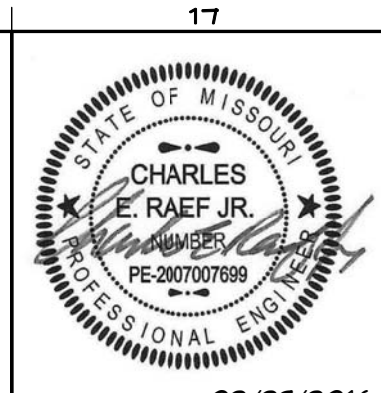
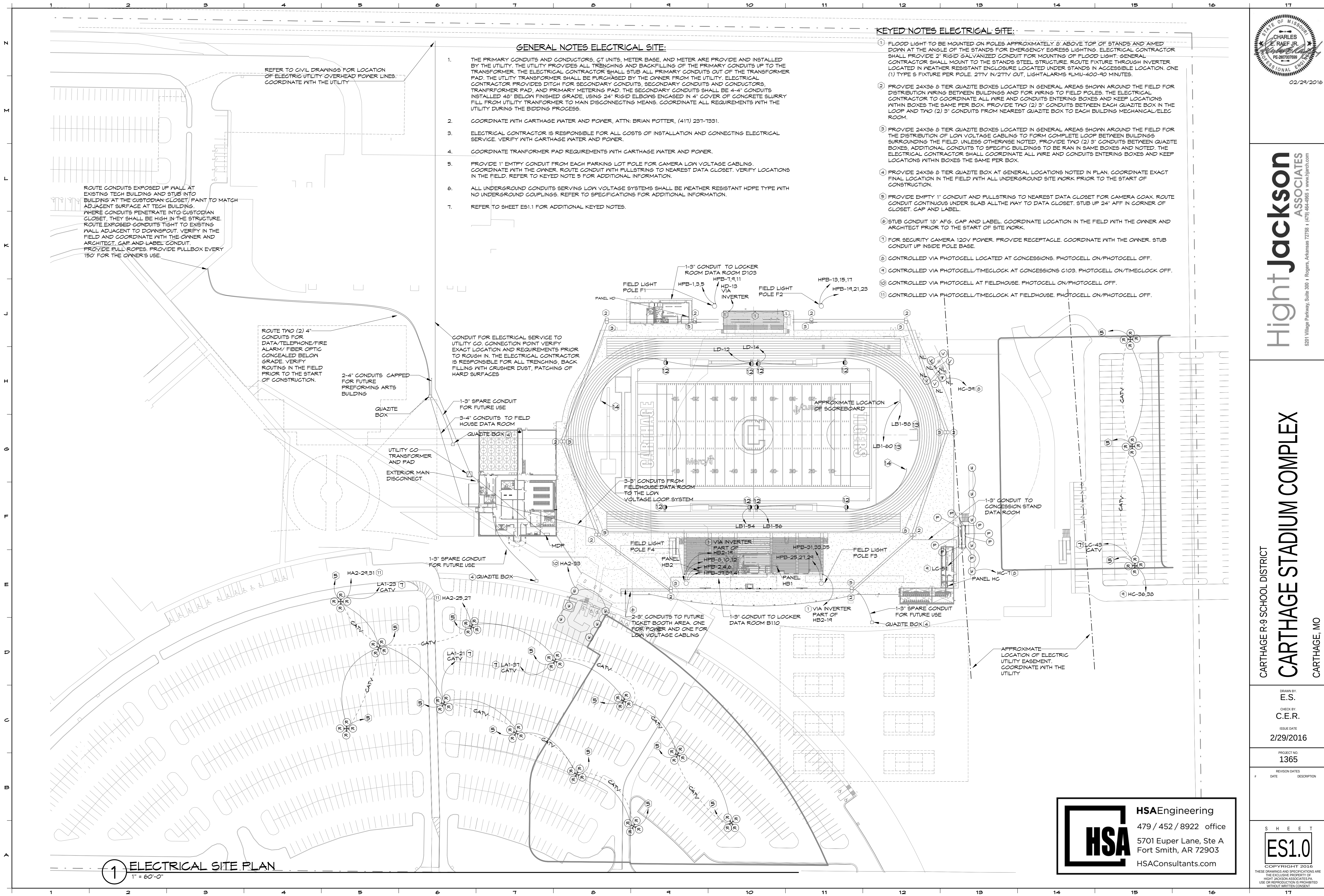




Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 664-6865 | www.hjarch.com

CARTHAGE R-9 SCHOOL DISTRICT
CARTHAGE STADIUM COMPLEX
CARTHAGE, MO

DRAWN BY: E.S.
CHECK BY: C.E.R.
ISSUE DATE: 2/29/2016
PROJECT NO: 1365
REVISION DATES
DATE DESCRIPTION
SHEET
ES1.0
COPYRIGHT 2016 THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF HIGHT JACKSON ASSOCIATES P.A. USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT



HSAEngineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com



PANEL SUMMARY						
CABINET #	CONTROL MODULE LOCATION	CONTRACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID (BY OTHERS)	CIRCUIT BREAKER POSITION (BY OTHERS)
1	1	C1	POLE F1	40.70	X	X
1	1	C2	POLE F2	40.70	X	X
1	1	C3	POLE F3	40.10	X	X
1	1	C4	POLE F4	40.10	X	X
1	1	C5	POLE F1	21.4	X	X
1	1	C6	POLE F2	21.4	X	X
1	1	C7	POLE F3	3.21	X	X
1	1	C8	POLE F4	3.21	X	X
1	1	C4	POLE F4	8.70	X	X

ZONE SCHEDULE					
ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	POLE ID	CONTRACTOR ID	
ZONE 1	1	FOOTBALL	F1 F2 F3 F4	C1 C2 C3 C4	
ZONE 2	2	BLEACHERS	F1 F2 F3 F4	C5 C6 C7 C8	
ZONE 3	3	PARKING	F4	C4	

EQUIPMENT LIST FOR AREAS SHOWN					
POLE			LUMINAIRES		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	QTY/POLE
2	F1-F2	40'	-	70'	2
1	F3	110'	-	90'	16
1	F3	110'	-	70'	4
1	F4	110'	-	110'	14
1	F4	110'	-	70'	4
1	F4	110'	-	100'	4
1	F4	110'	-	1500M HZ	14
4	TOTALS				86

GROUP SUMMARY			
GROUP	DESCRIPTION	LOAD	FIXTURE QTY
A	FOOTBALL/SOCCER	109.40 KM	70
B	BLEACHERS	4.73 KM	12
C	PARKING	4.40 KM	4

POLE FIXTURE SUMMARY			
GROUP	GROUP	DESCRIPTION	LOAD
F1	40'	16	A
		1500M HZ	B
F2	40'	2	A
		LED 5700K-45CRI	B
F3	110'	14	B
		1500M HZ	A
		LED 5700K-45CRI	B
F4	110'	14	A
		1500M HZ	B
		LED 5700K-45CRI	A
		1000M HZ	C
4		86	

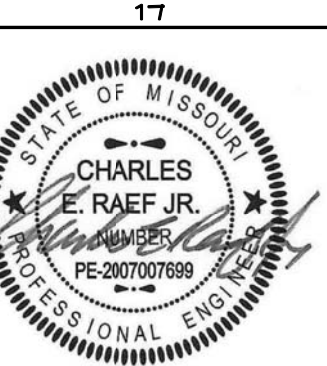
CIRCUIT SUMMARY BY ZONE							
POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	FULL LOAD AMPS	CONTRACTOR SIZE (AMPS)	CONTRACTOR ID	ZONE
F1	FOOTBALL	16	0	40.7	60	C1	1
F2	FOOTBALL	16	0	40.7	60	C2	1
F3	FOOTBALL	14	0	40.1	60	C3	1
F4	FOOTBALL	14	0	40.1	60	C4	1
F1	BLEACHERS	2	1	2.1	30	C5	2
F2	BLEACHERS	2	1	2.1	30	C6	2
F3	BLEACHERS	4	2	3.2	30	C7	2
F4	BLEACHERS	4	2	3.2	30	C8	2
F4	PARKING	4	0	8.7	30	C4	3

BALLAST SPECIFICATIONS NO MINIMUM POWER FACTOR	VOLTAGE 480V THREE PHASE					
BALLAST OPERATING VOLTAGE	208	220	240	277	347	480
1500 WATT METAL HALIDE LAMP OPERATING LINE AMPERAGE PER FIXTURE-MAXIMUM	8.6	8.3	7.5	6.5	5.1	3.7
1000 WATT METAL HALIDE LAMP OPERATING LINE AMPERAGE PER FIXTURE-MAXIMUM	6.5	6.4	5.8	4.9	4.0	2.4

STADIUM LIGHTING GENERAL NOTES:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL LIGHTING CONTRACTORS SHALL BE EITHER 30A OR 60A MECHANICALLY FIELD WITH 120V COIL VOLTAGE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. FOR ALL POLES PROVIDE AND INSTALL ALL REQUIRED MOUNTING HARDWARE FOR A COMPLETE AND WORKING INSTALLATION.
4. CONTACT MISCO LIGHTING, ATTN: TODD STICH (844)232-6157.
5. FINAL FIXTURE ADJUSTMENTS AND AIMING SHALL BE COMPLETED AFTER DARK WITH THE MANUFACTURERS REPRESENTATIVE AND OWNERS REPRESENTATIVE PRESENT. PROVIDE TEN(10) BUSINESS DAYS ADVANCE NOTICE PRIOR TO FINAL ADJUSTMENTS AND AIMING. PROVIDE FOOTCANDLE TEST REPORT VERIFYING ACTUAL LEVELS.

ES1.0 KEYED NOTES - CONTINUED

- ⑫ APPROXIMATE LOCATION OF UTILITY JUNCTION BOX FURNISHED AND INSTALLED BY OTHERS. ELECTRICAL JUNCTION BOX ROUTE MARKED IN CONDUIT FURNISHED BY OTHERS. COORDINATE WITH THE ARCHITECT AND SCORING SYSTEM INSTALLER.
- ⑬ PROVIDE TWO (2) DEDICATED 20A CIRCUITS FOR SCOREBOARD. VERIFY IN FIELD EXACT ELECTRICAL REQUIREMENTS PER THE ACTUAL EQUIPMENT FURNISHED. USE CONDUIT FURNISHED BY OTHERS.
- ⑭ APPROXIMATE LOCATION OF TIME CLOCK. REFER TO ARCHITECTURAL DETAIL ON SHEET A112. PROVIDE 120V CIRCUIT. USE CONDUIT FURNISHED BY OTHERS.



02/29/2016

Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4665 | www.hjarch.com

CARTHAGE R-9 SCHOOL DISTRICT
CARTHAGE STADIUM COMPLEX
CARTHAGE, MO

DRAWN BY:
E.S.

CHECK BY:
C.E.R.

ISSUE DATE:
2/29/2016

PROJECT NO:
1365

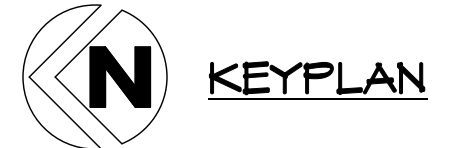
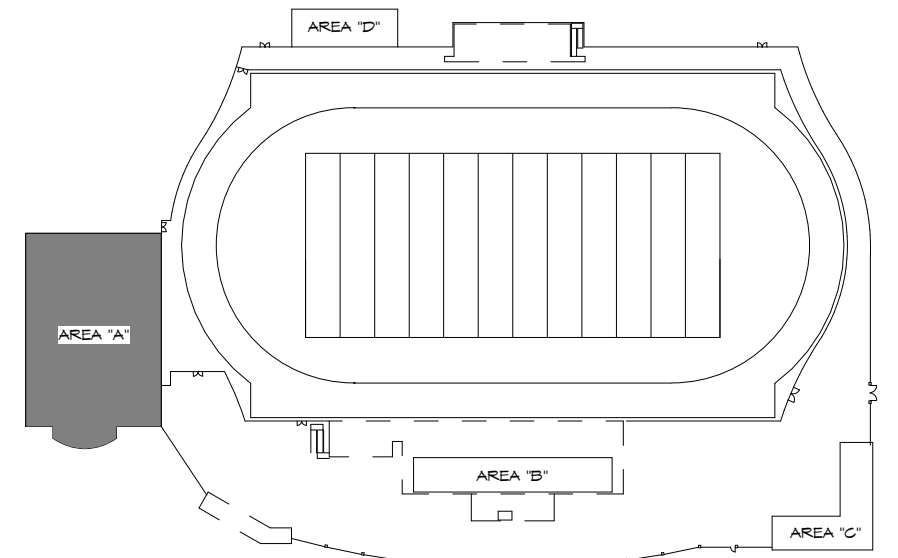
REVISION DATES

DATE DESCRIPTION

SHEET

L2.1A

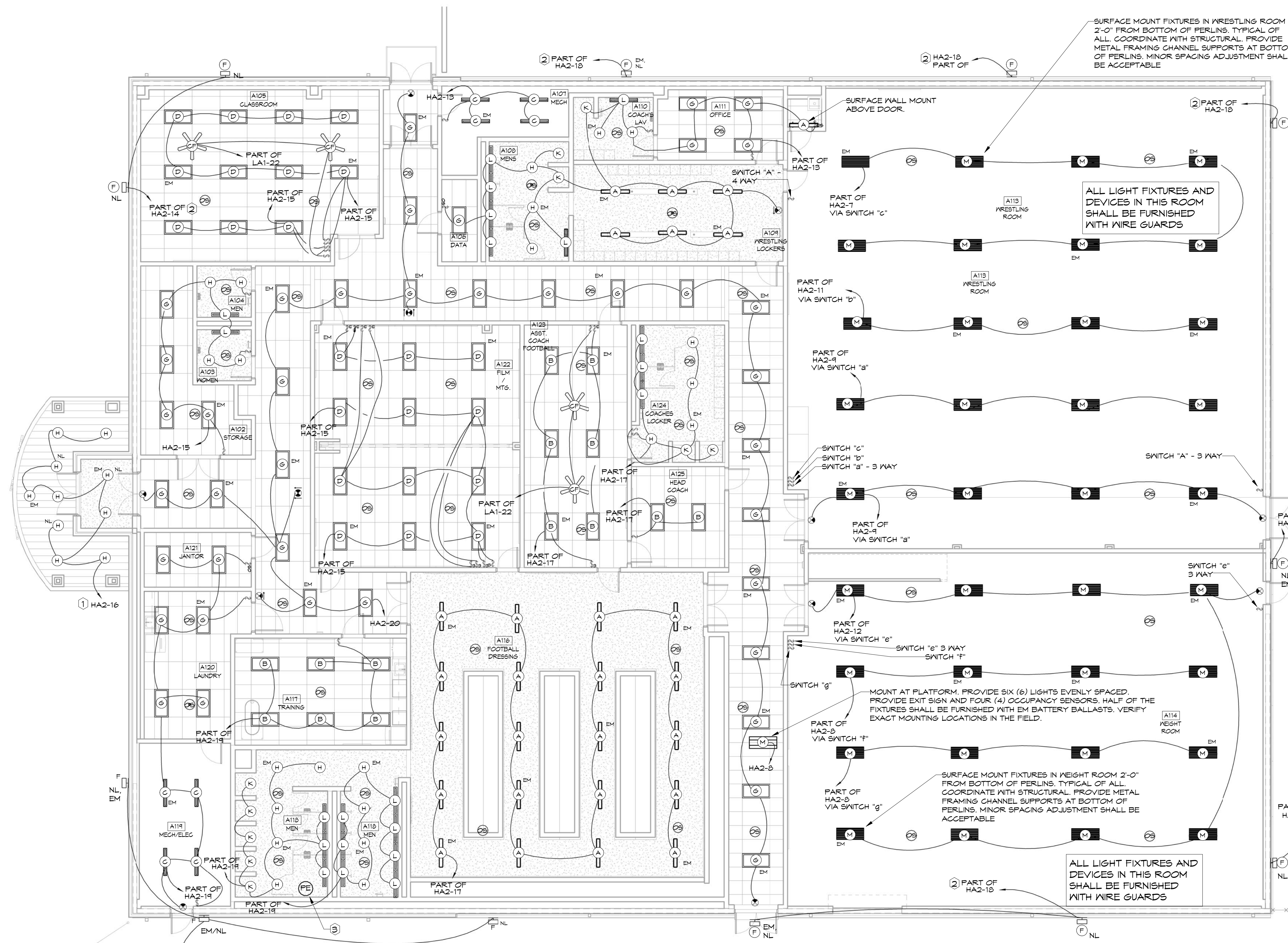
Copyright 2016
These drawings and specifications are the exclusive property of Hight Jackson Associates, P.A. Use or reproduction is prohibited without written consent.



KEYPLAN

KEYED LIGHTING NOTES

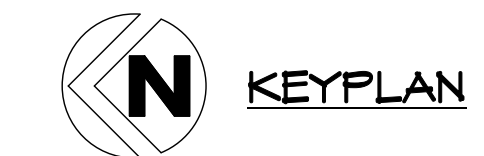
- 1 CONTROLLED VIA PHOTOCELL/TIMECLOCK. PHOTOCELL ON/TIMECLOCK OFF.
- 2 CONTROLLED VIA PHOTOCELL. PHOTOCELL ON/PHOTOCELL OFF.
- 3 APPROXIMATE LOCATION OF PHOTOCELL ON ROOF WITH EAST EXPOSURE. COORDINATE EXACT FINAL LOCATION IN THE FIELD WITH ARCHITECT.



1 FIELDHOUSE LIGHTING AREA A
1/8" = 1'-0"



HSAEngineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com



02/29/2016

Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 • Rogers, Arkansas 72759 • (479) 464-4965 • www.hjarch.com

520

CARTHAGE R-9 SCHOOL DISTRICT

CARTHAGE STADIUM COMPLEX

CARTHAGE, MO

DRAWN BY.
E.S.

CHECK BY.
C.E.R.

ISSUE DATE
/29/2016

PROJECT NO.
1365

REVISION DATES		
#	DATE	REASON
1	10/1/2018	Initial Release

#	DATE	DESCRIP
---	------	---------

S H E E

1045

121B

L2.1D

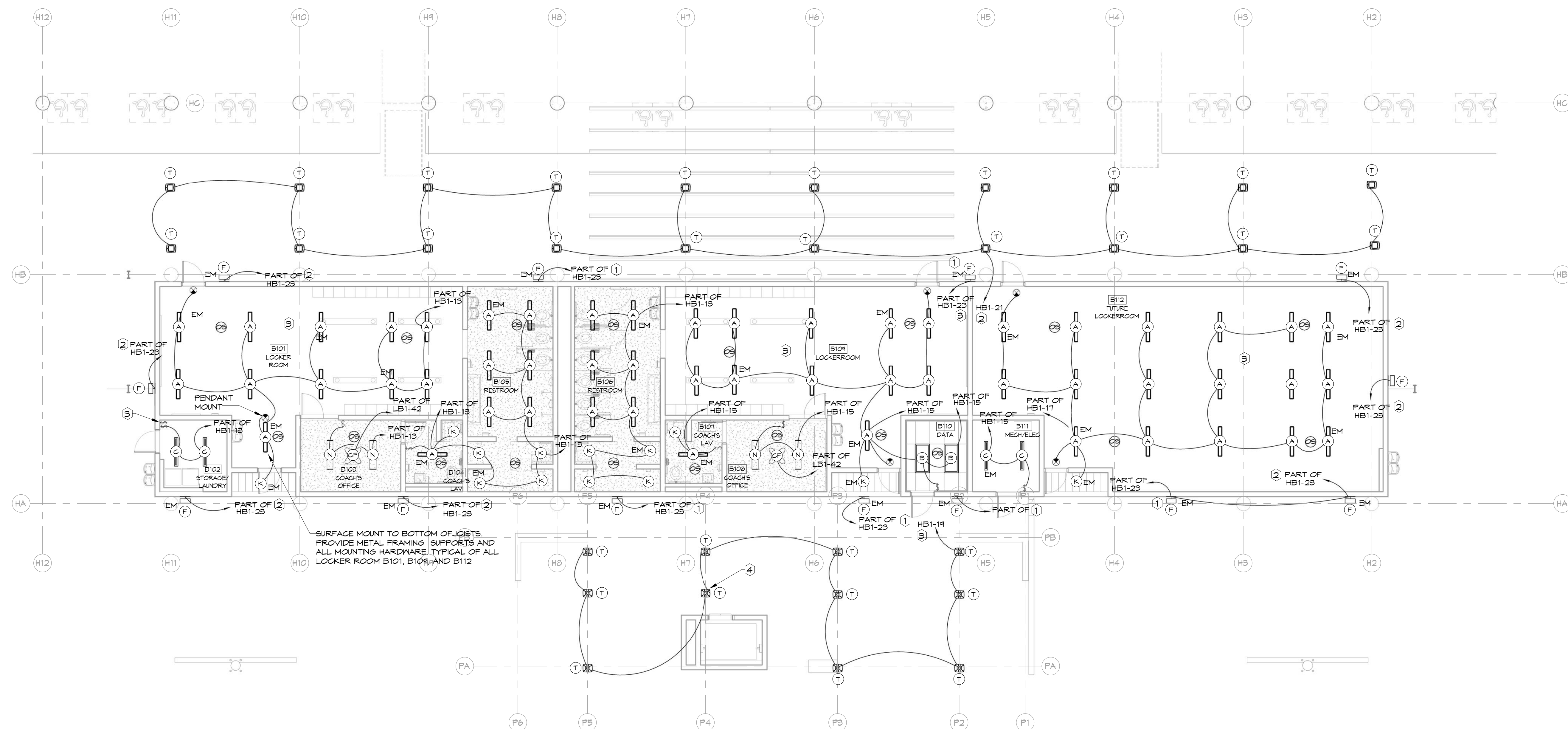
COPYRIGHT 201

THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF JACOB J. JACKSON ASSOCIATES, INC.

RIGHT JACKSON ASSOCIATES, P.
USE OR REPRODUCTION IS PROHIBITED
WITHOUT WRITTEN CONSENT

17

2 PRSS BOX LIGHTING PLAN - AREA B
1/8" = 1'-0"



1 LOCKER ROOM LIGHTING PLAN - AREA B
1/8" = 1'-0"



HSAEngineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

S H E E

L2.1B

COPYRIGHT 201
THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF HIGH JACKSON ASSOCIATES, P.C. NO USE OR REPRODUCTION IS PERMITTED WITHOUT WRITTEN CONSENT.

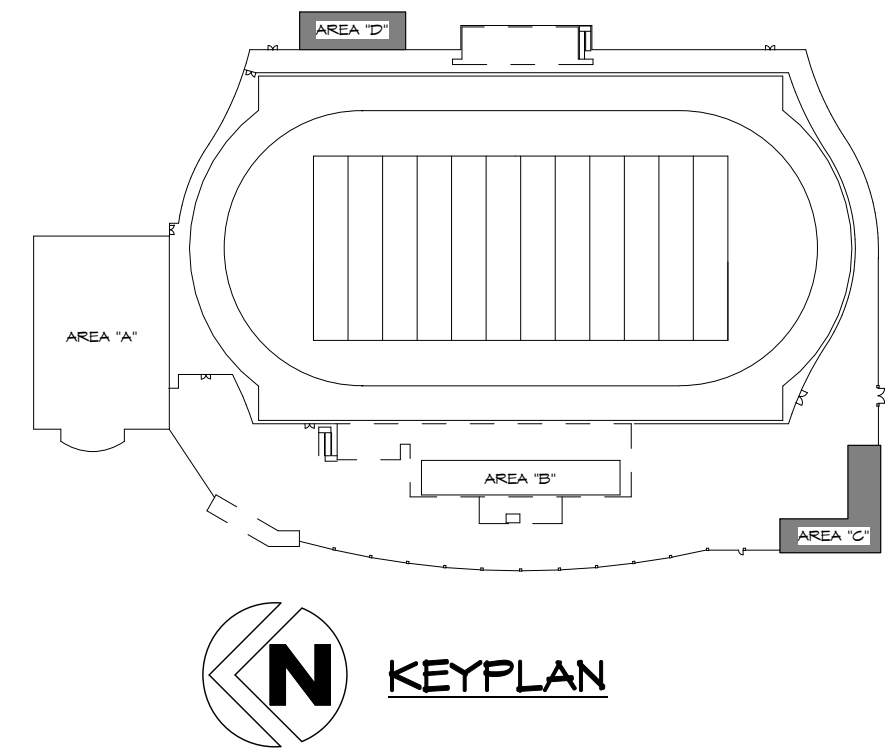
17

1 CONCESSIONS LIGHTING PLAN - AREA C
1/8" = 1'-0"

KEYED LIGHTING NOTES

- ① CONTROLLED VIA LOCAL MULTI EVENT PROGRAMMABLE TIMECLOCK.
② LOCAL SWITCH FOR CONTROL OF EXTERIOR LIGHT FIXTURES.
③ CONTROLLED VIA LOCAL SWITCH IN ROOM C103.

2 LOCKER ROOM LIGHTING PLAN - AREA D
1/8" = 1'-0"



HSA Engineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

CARTHAGE R-9 SCHOOL DISTRICT

CARTHAGE STADIUM COMPLEX

CARTHAGE, MO

DRAWN BY:
E.S.
CHECK BY:
C.E.R.
ISSUE DATE:
2/29/2016

PROJECT NO.
1365

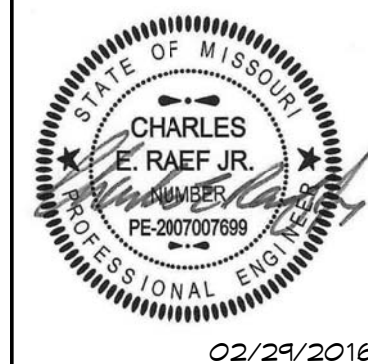
REVISION DATES

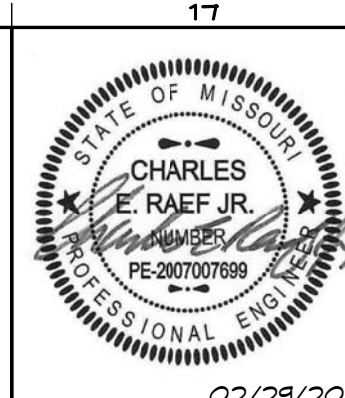
DATE DESCRIPTION

SHEET
L2.1C

COPYRIGHT 2016
THESE DRAWINGS AND SPECIFICATIONS ARE
THE EXCLUSIVE PROPERTY OF
HIGHT JACKSON ASSOCIATES P.A.
USE OR REPRODUCTION IS PROHIBITED
WITHOUT WRITTEN CONSENT

Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4865 | www.hjarch.com





02/29/20



1. REFER TO SHEETS E5.1, E5.2, E5.3, E5.4, E5.5 FOR PANEL SCHEDULES.
2. ROUTE ALL TEL/DATA CABLING TO DATA A106.

KEYED POWER NOTES

- 1 MOUNT IN ADJACENT CABINET FOR ACCESS.
- 2 **B** FOR WASHER. 480V-3PHASE. PROVIDE 30A-3P DISCONNECT. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH THE OWNER AND ARCHITECT BASED ON ACTUAL EQUIPMENT FURNISHED.
- 3 FOR GAS DRYER. 480V-3PHASE. PROVIDE 30A-3P DISCONNECT. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH THE OWNER AND ARCHITECT BASED ON ACTUAL EQUIPMENT FURNISHED.
- 4 FURNISHED WITH FACTORY DISCONNECT.
- 5 MOUNT AT STORAGE MEZZANINE.
- 6 **C** EXTEND CIRCUIT TO MOTORIZED LOUVER. COORDINATE IN THE FIELD.
- 7 INTERLOCK 120V EXHAUST FAN WITH LIGHTING CONTROLS. PROVIDE QUANTITY OF RELAYS AS REQUIRED. WHEN ROOM IS OCCUPIED, FAN SHALL BE ON.
- 8 ELECTRICAL CONTRACTOR SHALL PROVIDE LINE VOLTAGE THERMOSTAT FOR CONTROL OF EXHAUST FAN.
- 9 ELECTRICAL CONTRACTOR SHALL PROVIDE PILOT LIGHT SWITCH FOR CONTROL OF EXHAUST FAN.
- 10 MOUNT RECEPTACLE, DATA OUTLET, AND 4" SQUARE, 2 1/8" DEEP JUNCTION BOX WITH SINGLE GANG FLUSH WALL OPENING FOR SMARTBOARD PROJECTOR CENTER ON THE PROJECTOR SCREEN, AT LOCATIONS SHOWN ON ARCHITECTURAL SPECIALTY PLAN. ACTUAL HEIGHT SHALL BE COORDINATED IN THE FIELD PRIOR TO ROUGH IN. JUNCTION BOX REQUIRES 1 1/4" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING FOR OWNERS RAPID RUN A/V CABLING.
- 11 PROVIDE AND INSTALL A 4" SQUARE, 2 1/8" DEEP JUNCTION BOX WITH TWO GANG FLUSH WALL OPENING WITH ONE (1) 1 1/4" CONDUIT STUBBED UP INTO ACCESSIBLE CEILING SPACE FOR OWNERS RAPID RUN A/V CABLING AND ONE (1) 1" CONDUIT STUBBED UP INTO AN ACCESSIBLE CEILING SPACE FOR CATV. INSTALL ONE CATV COAX FROM LOCATION TO TV CABLE HUB. MOUNT JUNCTION BOX 18" AFF.
- 12 **E** MOUNT RECEPTACLE AND DATA OUTLET CENTERED BELOW SMARTBOARD AT LOCATIONS SHOWN ON ARCHITECTURAL SPECIALTY PLAN. ACTUAL HEIGHT SHALL BE COORDINATED IN THE FIELD PRIOR TO ROUGH IN.
- 13 FOR COMPRESSOR. COORDINATE EXACT LOCATION IN THE FIELD.



HSAEngineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

CARTHAGE R-9 SCHOOL DISTRICT

CARTHAGE STADIUM COMPLEX

СВЯТАГО МО

DRAWN BY.
E.S.

CHECK BY.
C.E.R.

ISSUE DATE
2/29/2016

PROJECT NO.
1365

REVISION DATES		
#	DATE	DESCRIPTION

#	DATE	DESCR
---	------	-------

--	--

S H E E

2014

E2 1 Δ

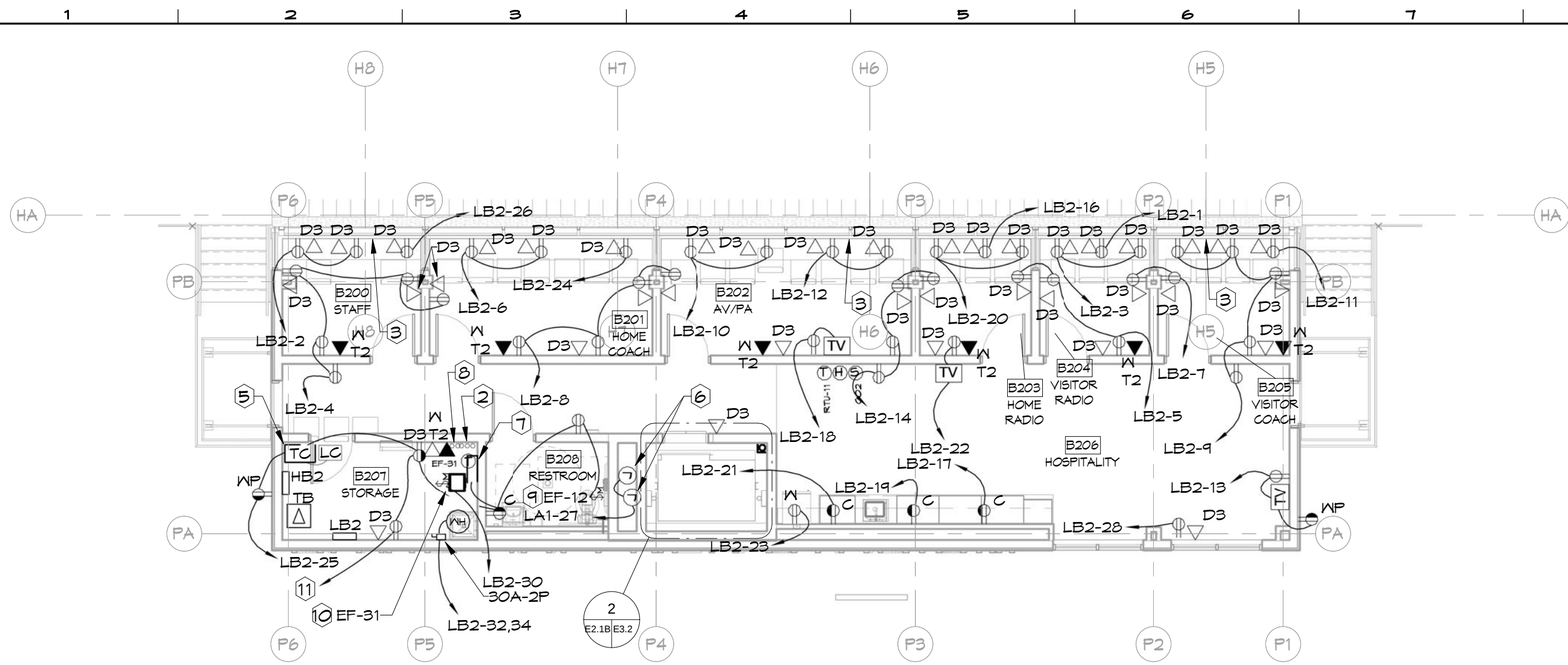
L2.1F

COPYRIGHT 20

THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF JACOBS JACKSON ASSOCIATES

USE OR REPRODUCTION IS PROHIBITED
WITHOUT WRITTEN CONSENT

17



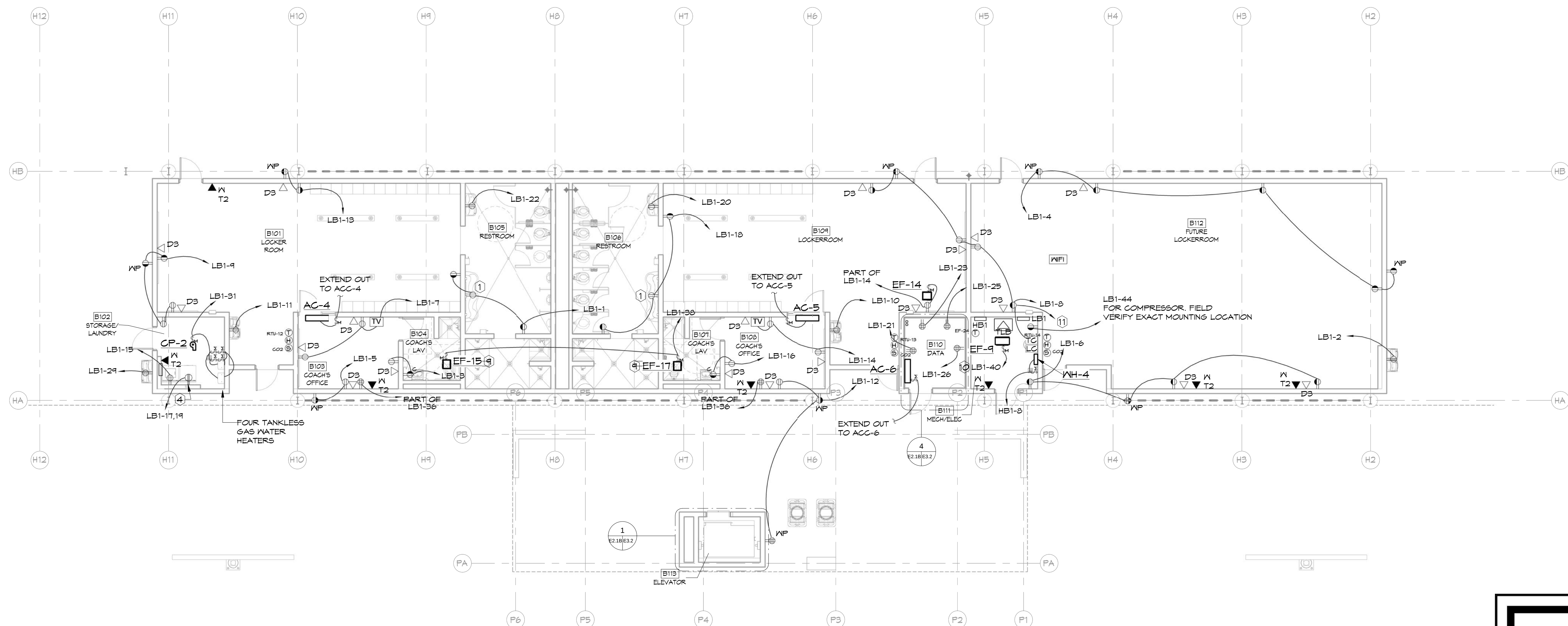
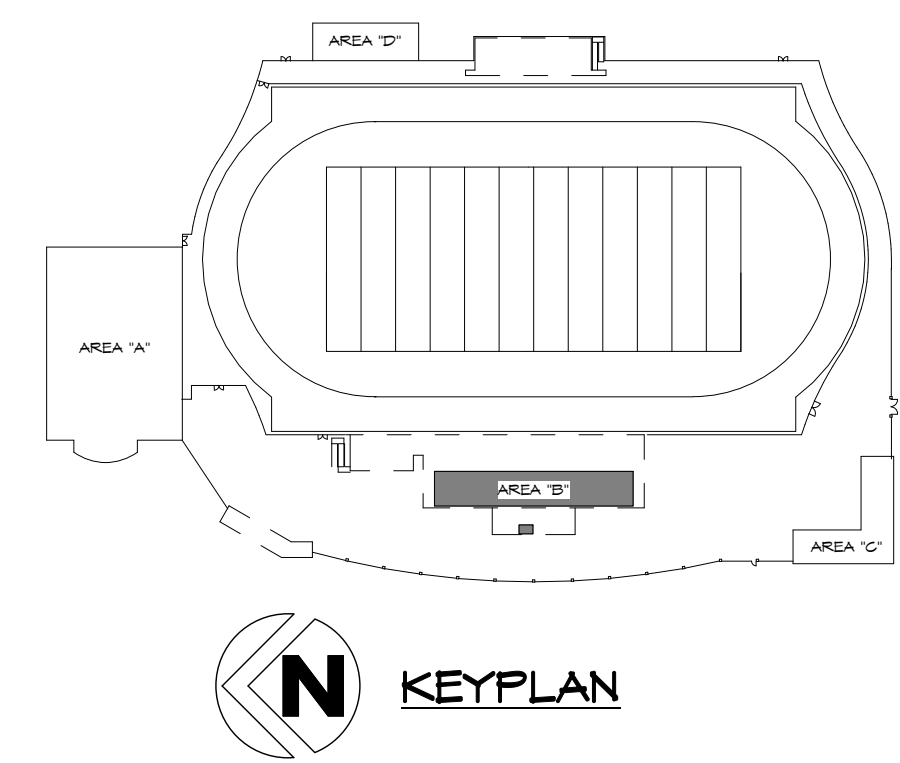
2 PRESS BOX POWER PLAN - AREA B
1/8" = 1'-0"

GENERAL POWER NOTES

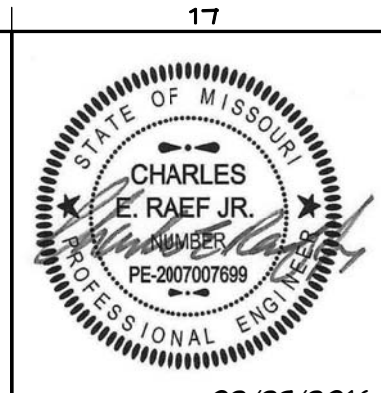
1. ROUTE ALL TEL/DATA CABLING TO DATA B110.
2. REFER TO SHEETS E5.1, E5.2, E5.3, E5.4, E5.5.

KEYED POWER NOTES

- 1 FOR LAVATORY, MOUNT APPROXIMATELY 24" AFF. COORDINATE IN THE FIELD WITH ACTUAL PLUMBING EQUIPMENT FURNISHED PRIOR TO ROUGH IN.
- 2 PROVIDE THREE (3) 2" EMPTY PVC CONDUITS TO THE ROOF OF THE PRESSBOX FOR OWNER'S USE. STUB UP 18" AFF IN CORNER OF ROOF ON FIELD SIDE, CAP AND LABEL EACH END. COORDINATE WITH THE OWNER PRIOR TO ROUGH IN.
- 3 ROUTE CONDUITS CONCEALED IN CONTINUOUS TROUGH. FLUSH MOUNT DEVICES IN ARCHITECTURAL TROUGH MOUNTED BELOW WINDOW AND COUNTER. REFER TO ARCHITECTURAL DRAWINGS FOR TROUGH INFORMATION AND LOCATION. TROUGH EXTENDS ALONG THE WHOLE PARTITION OF THE PRESSBOX.
- 4 PROVIDE 30A-2P RECEPTACLE FOR ELECTRIC DRYER. 208V-1 POLE. VERIFY NEMA CONFIGURATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH IN.
- 5 PROVIDE A MULTI-EVENT PROGRAMMABLE TIMECLOCK FOR CONTROL OF EXTERIOR LIGHTS.
- 6 FOR HEAT TRACE, FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR. COORDINATE IN THE FIELD EXACT LOCATION AND ELECTRICAL REQUIREMENTS.
- 7 APPROXIMATE LOCATION OF HEAT TRACE CONTROLLER. VERIFY IN THE FIELD.
- 8 INSTALL 2-4" CONDUITS WITH PULL STRINGS TO DATA B110.
- 9 INTERCONNECT WITH LOCAL LIGHTING CONTROLS. PROVIDE QUANTITY OF RELAYS AS REQUIRED. WHEN ROOM IS OCCUPIED, FAN SHALL BE ON.
- 10 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL LINE VOLTAGE THERMOSTAT.
- 11 EXTEND CIRCUIT TO BAS CONTROLLER.



1 LOCKER ROOM POWER PLAN - AREA B
1/8" = 1'-0"



Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 664-6665 | www.hjarch.com

CARTHAGE R-9 SCHOOL DISTRICT
CARTHAGE STADIUM COMPLEX
CARTHAGE, MO

DRAWN BY:
E.S.
CHECK BY:
C.E.R.
ISSUE DATE:
2/29/2016

PROJECT NO.
1365

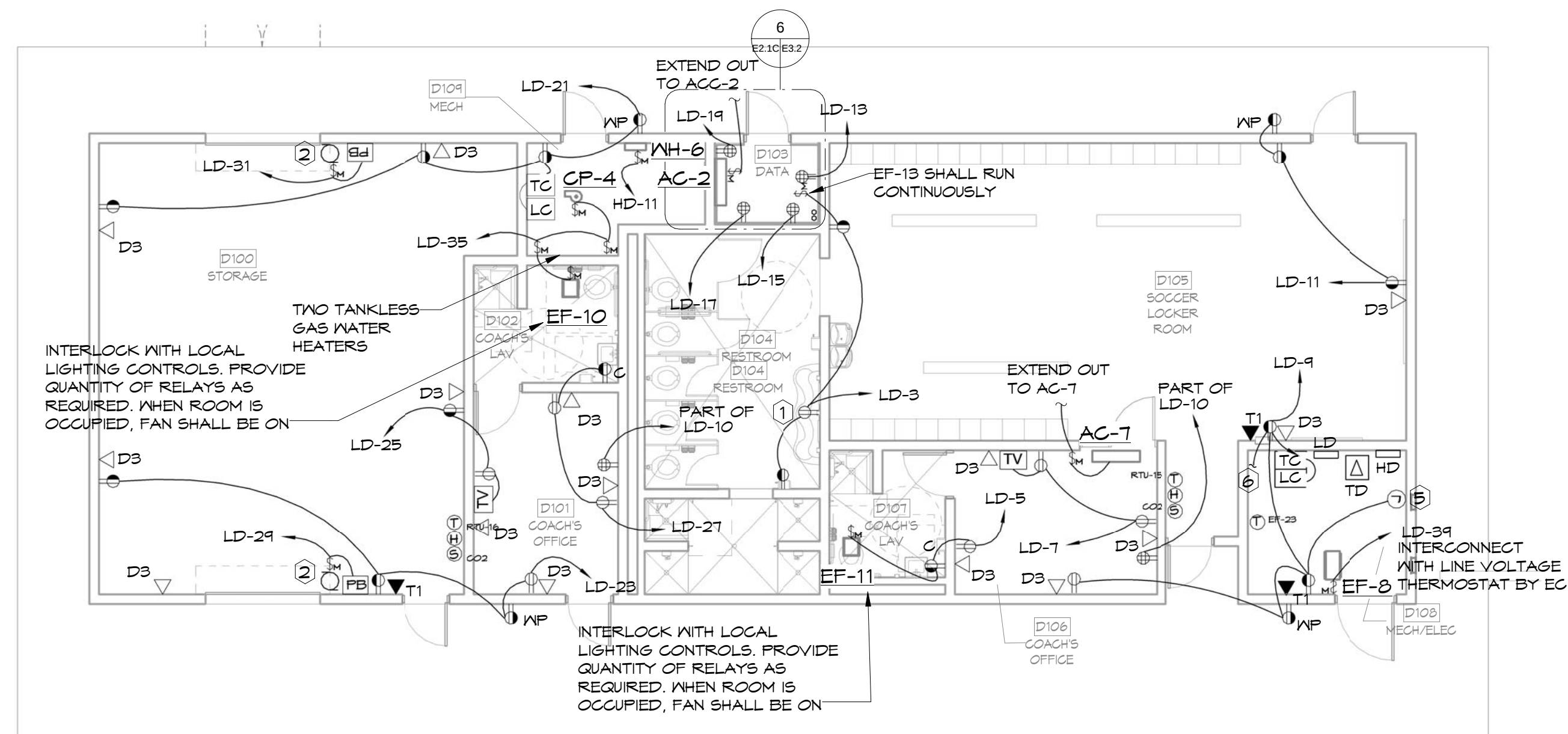
REVISION DATES	
#	DESCRIPTION

SHEET
E2.1B
COPYRIGHT 2016
THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF HIGHT JACKSON ASSOCIATES P.A. USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT

HSAEngineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

2 LOCKER ROOM POWER PLAN - AREA D

1/8" = 1'-0"



GENERAL POWER NOTES

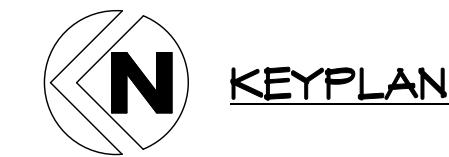
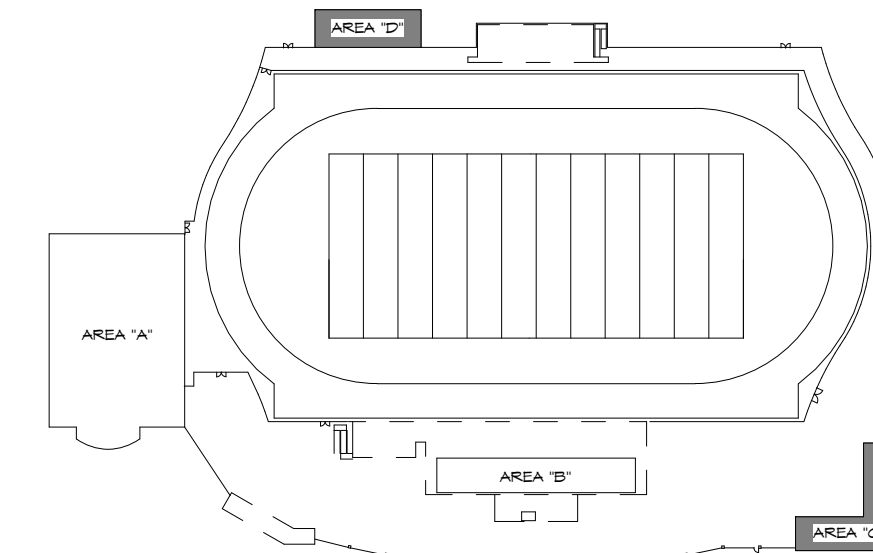
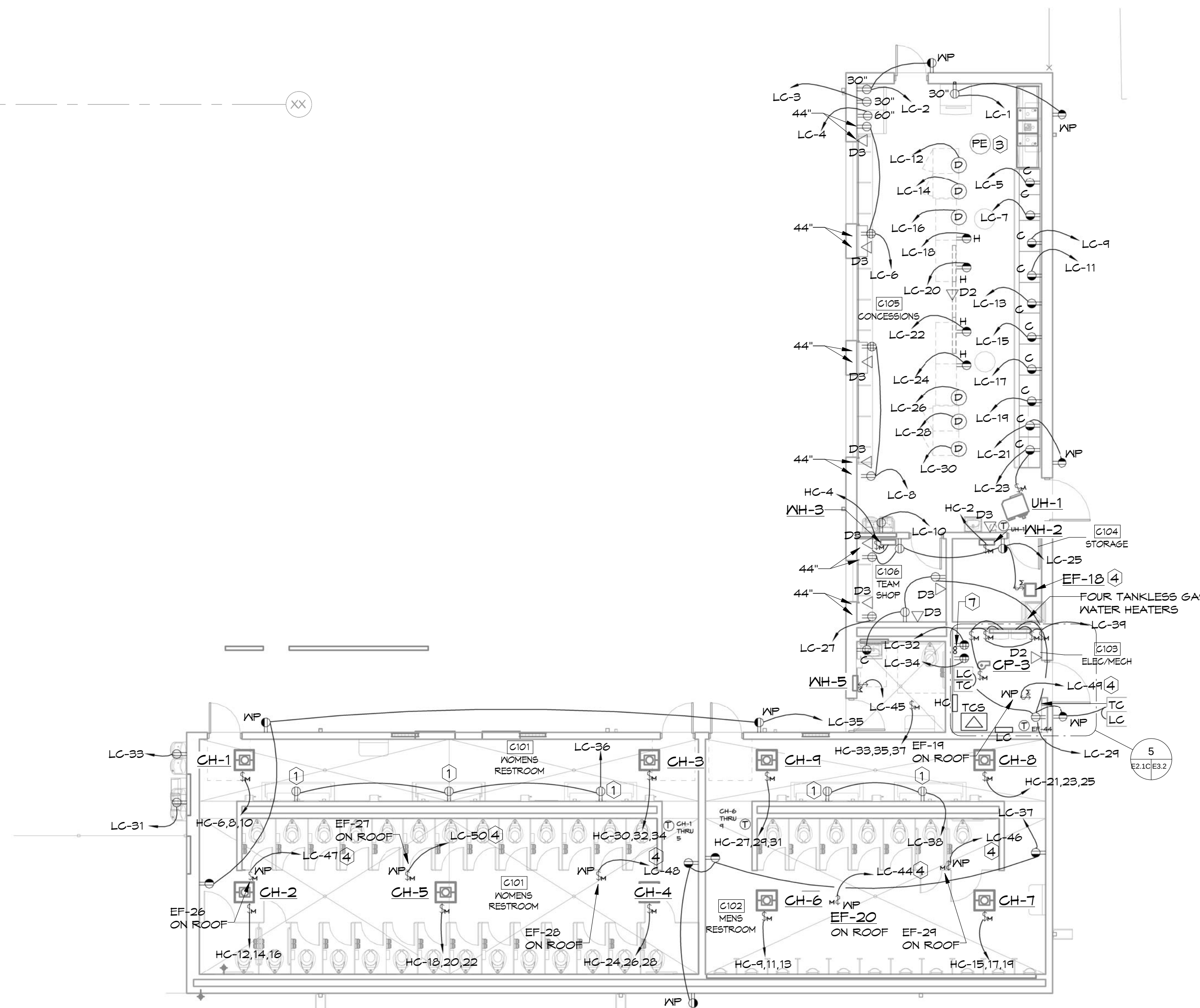
1. REFER TO SHEETS E5.1, E5.2, E5.3, E5.4, E5.5 FOR PANEL SCHEDULES.
2. AT AREA C ROUTE ALL TEL/DATA CABLING TO ELEC C103.
3. AT AREA D ROUTE ALL TEL/DATA CABLING TO DATA D103.

KEYED POWER NOTES

1. FOR LAVATORY, MOUNT APPROXIMATELY 24" AFF. COORDINATE IN THE FIELD WITH ACTUAL PLUMBING EQUIPMENT FURNISHED PRIOR TO ROUGH IN.
2. OVERHEAD DOOR MOTOR, INSTALL DOOR SENSORS FURNISHED WITH UNIT. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH THE ACTUAL EQUIPMENT FURNISHED. PROVIDE OPEN/CLOSE/STOP PUSHBUTTON FOR CONTROL.
3. PHOTOCELL MOUNTED ON ROOF WITH EAST EXPOSURE. COORDINATE EXACT MOUNTING LOCATION WITH THE ARCHITECT IN THE FIELD.
4. INTERLOCK EXHAUST FAN WITH LOCAL LIGHTING CONTROLS. IF ROOM IS OCCUPIED, FAN SHALL BE ON. PROVIDE QUANTITY OF RELAYS AS REQUIRED. COORDINATE WITH HVAC CONTRACTOR.
5. EXTEND CIRCUIT TO MOTORIZED LOUVER.
6. EXTEND CIRCUIT TO BAS CONTROLLER.
7. UNDERGROUND CONDUIT STUB UPS FOR LOW VOLTAGE SYSTEMS. STUB 24" AFF. CAP AND LABEL.

1 CONCESSIONS STAND POWER PLAN - AREA C

1/8" = 1'-0"



KEYPLAN



HSAEngineering

479 / 452 / 8922 office

5701 Euper Lane, Ste A

Fort Smith, AR 72903

HSAConsultants.com

CARTHAGE R-9 SCHOOL DISTRICT

CARTHAGE STADIUM COMPLEX

CARTHAGE, MO

DRAWN BY:
E.S.

CHECK BY:
C.E.R.

ISSUE DATE:
2/29/2016

PROJECT NO.
1365

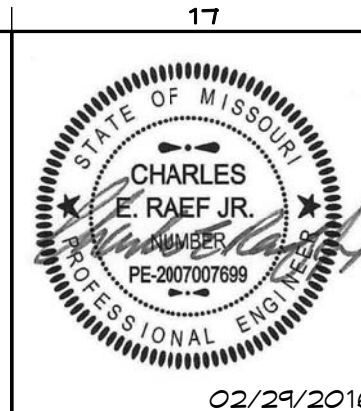
REVISION DATES

DATE DESCRIPTION

SHEET

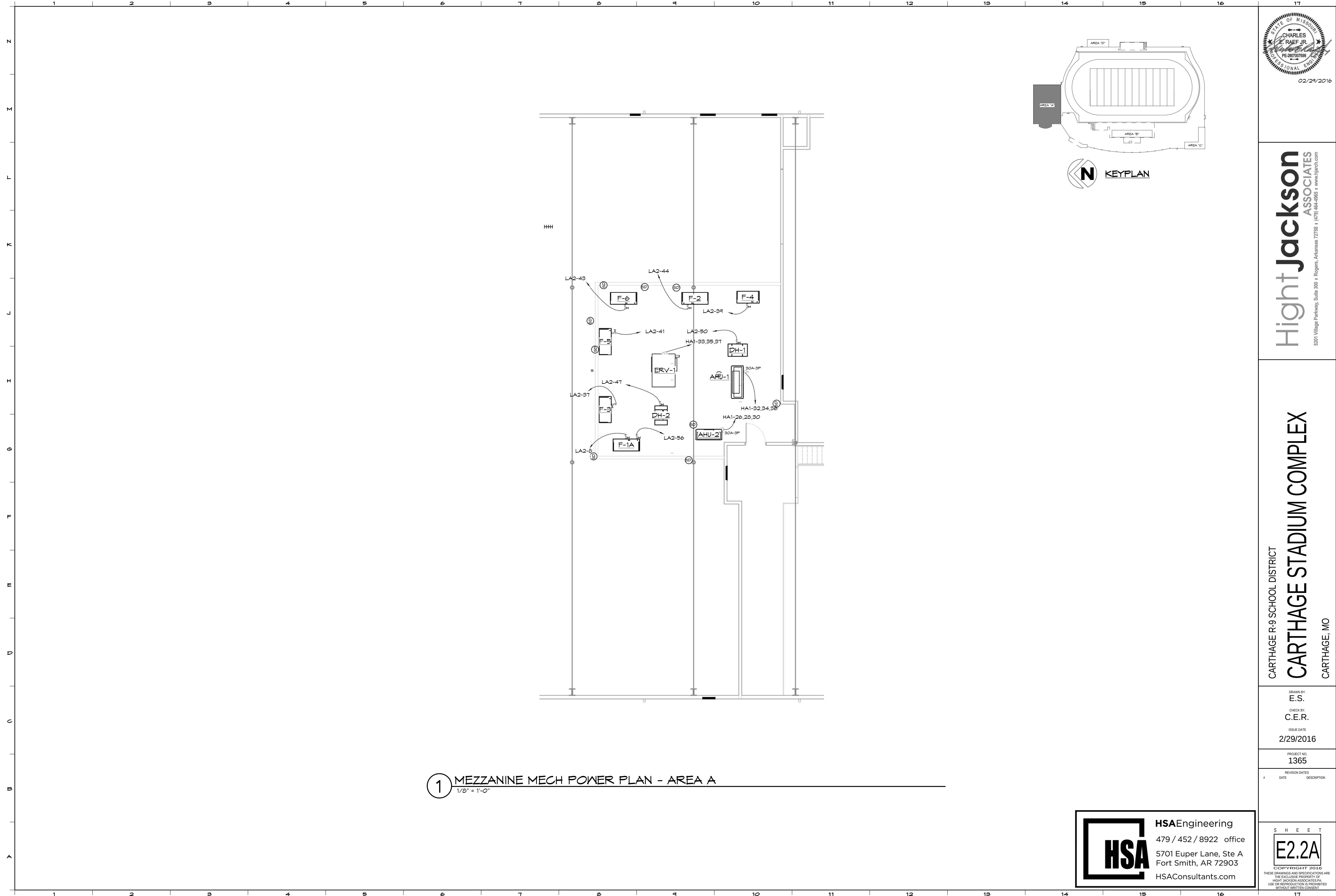
E2.1C

COPYRIGHT 2016
THESE DRAWINGS AND SPECIFICATIONS ARE
THE EXCLUSIVE PROPERTY OF
HIGHT JACKSON ASSOCIATES P.A.
USE OR REPRODUCTION IS PROHIBITED
WITHOUT WRITTEN CONSENT

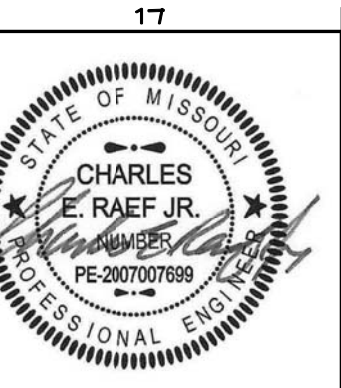
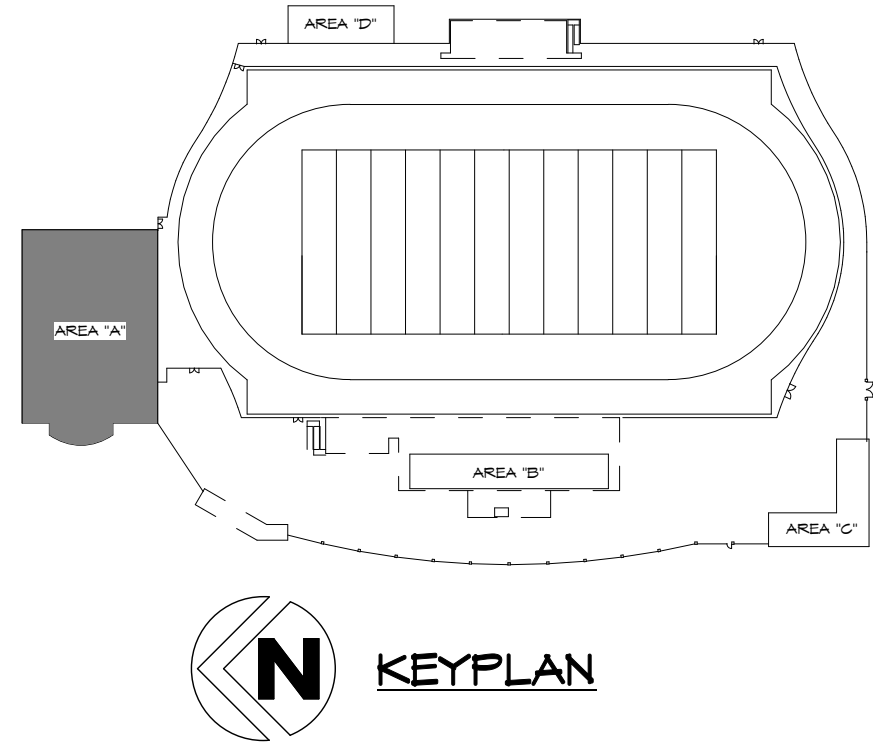


Hight Jackson
ASSOCIATES

5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 664-6665 | www.hjarch.com



1 MEZZANINE MECH POWER PLAN - AREA A
1/8" = 1'-0"



Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4665 | www.hjarch.com

CARTHAGE R-9 SCHOOL DISTRICT
CARTHAGE STADIUM COMPLEX
CARTHAGE, MO

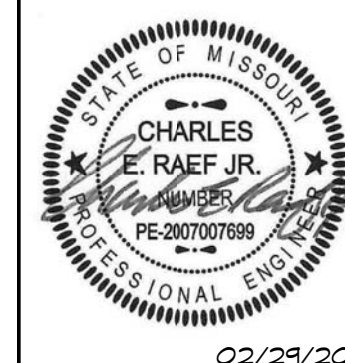
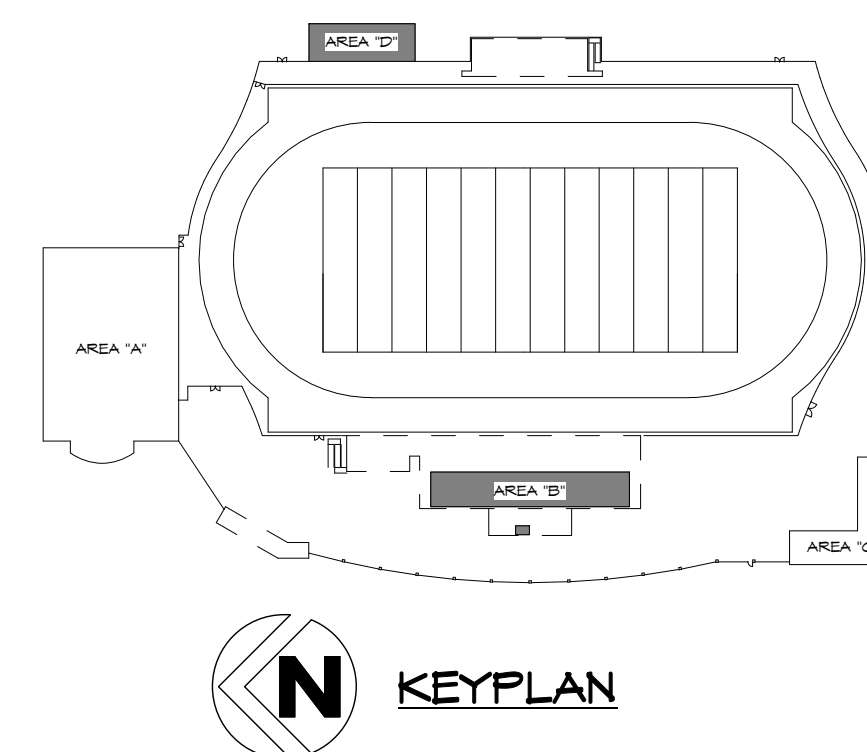
DRAWN BY:
E.S.
CHECK BY:
C.E.R.
ISSUE DATE:
2/29/2016

PROJECT NO.
1365

REVISION DATES	
#	DESCRIPTION

HSA HSAEngineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

SHEET
E2.2A
COPYRIGHT 2016
THESE DRAWINGS AND SPECIFICATIONS ARE
THE EXCLUSIVE PROPERTY OF
HIGHT JACKSON ASSOCIATES, P.A.
USE OR REPRODUCTION IS PROHIBITED
WITHOUT WRITTEN CONSENT



Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72756 | (479) 464-4965 | www.hjarc.com

The diagram shows a railway track layout with several stations and signals. The stations are labeled EM (Eisenbahn) and LB (Lokomotivbahnhof). The signals are labeled LB2-33, LB2-27, LB2-29, LB2-31, and RTU-1. The track is divided into sections by signals. The layout includes a main track with a signal box (LB2-33) and a side track (LB2-27). The main track has a signal box (LB2-29) and a signal box (LB2-31). The side track has a signal box (RTU-1). The diagram also shows a signal box (LB2-33) and a signal box (LB2-27) on the left side of the track. The layout is a schematic representation of a railway track with various stations and signals.



2 ROOF POWER PLAN - AREA "D" - LOCKER ROOM
1/8" = 1'-0"

1. REFER TO SHEETS E5.1, E5.2, E5.3, E5.4, E5.5 FOR PANEL SCHEDULES.

- ① THREE (3) 2" EMPTY PVC CONDUITS STUBBED ABOVE ROOF FROM STORAGE D207.
- ② MOUNT LIGHT FIXTURES ON THE BACKSIDE OF THE PARAPET WALL FOR FILMING PLATFORM AREA. COORDINATE IN THE FIELD WITH THE ARCHITECT AND ROOFING CONTRACTOR PRIOR TO ROUGH IN. TYPICAL OF ALL.
- ③ INTERCONNECT WITH LOCAL LIGHTING CONTROLS. PROVIDE QUANTITY OF RELAYS AS REQUIRED. WHEN ROOM IS OCCUPIED, FAN SHALL BE ON.



HSAEngineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

DRAWN BY.
Author

CHECK BY.
CER

ISSUE DATE
2/29/2016

PROJECT NO.
1365

REVISION DATES	
DATE	DESCRIPTION

DATE	DESCRIPTION
10/1/2010	...
10/2/2010	...
10/3/2010	...
10/4/2010	...
10/5/2010	...
10/6/2010	...
10/7/2010	...
10/8/2010	...
10/9/2010	...
10/10/2010	...
10/11/2010	...
10/12/2010	...
10/13/2010	...
10/14/2010	...
10/15/2010	...
10/16/2010	...
10/17/2010	...
10/18/2010	...
10/19/2010	...
10/20/2010	...
10/21/2010	...
10/22/2010	...
10/23/2010	...
10/24/2010	...
10/25/2010	...
10/26/2010	...
10/27/2010	...
10/28/2010	...
10/29/2010	...
10/30/2010	...
10/31/2010	...

S H E E

--	--

■ ● ● ■

1525

F22B

7.7D

RESULTS

COPYRIGHT 201

THESE DRAWINGS AND SPECIFICATIONS

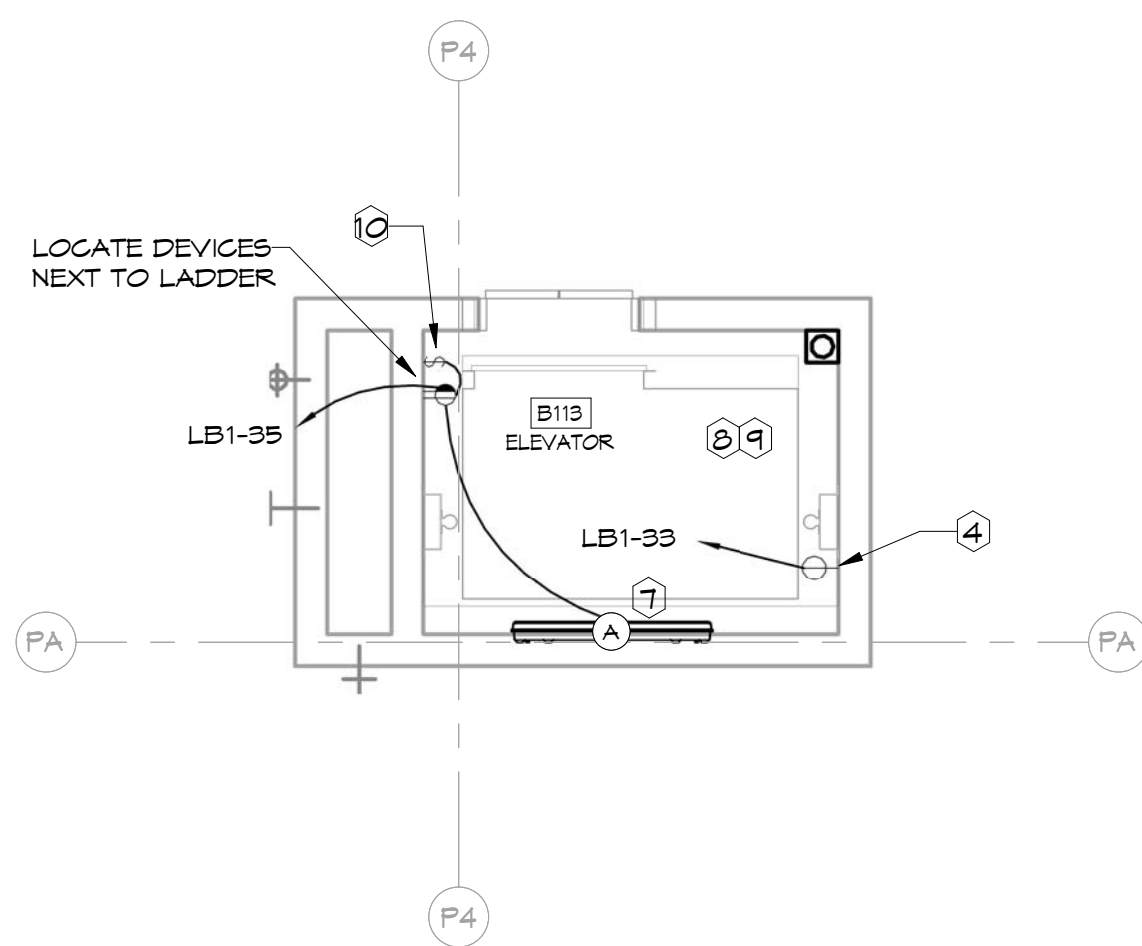
THE EXCLUSIVE PROPERTY OF
LEWIS J. JOHNSON ASSOCIATES

HIGHT JACKSON ASSOCIATES.
USE OR REPRODUCTION IS PROHIBITED.

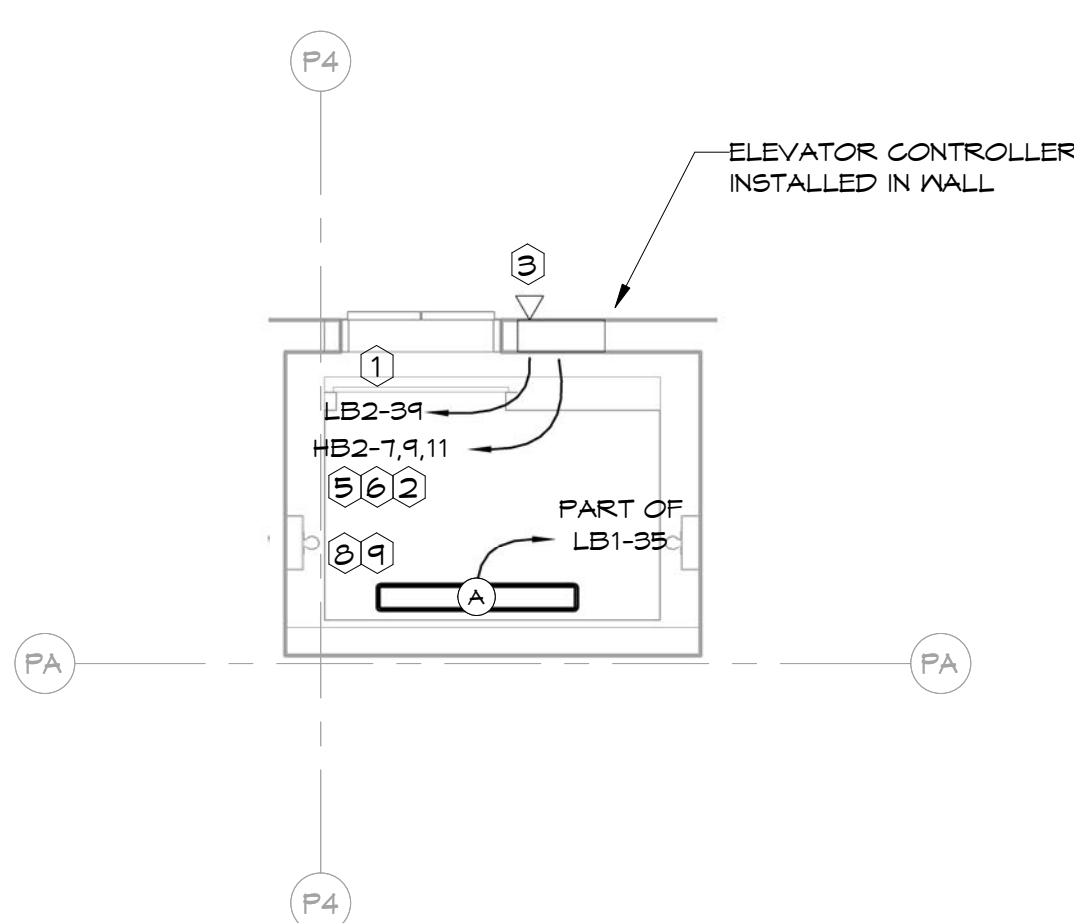
USE OR REPRODUCTION IS PROHIBITED
WITHOUT WRITTEN CONSENT

17

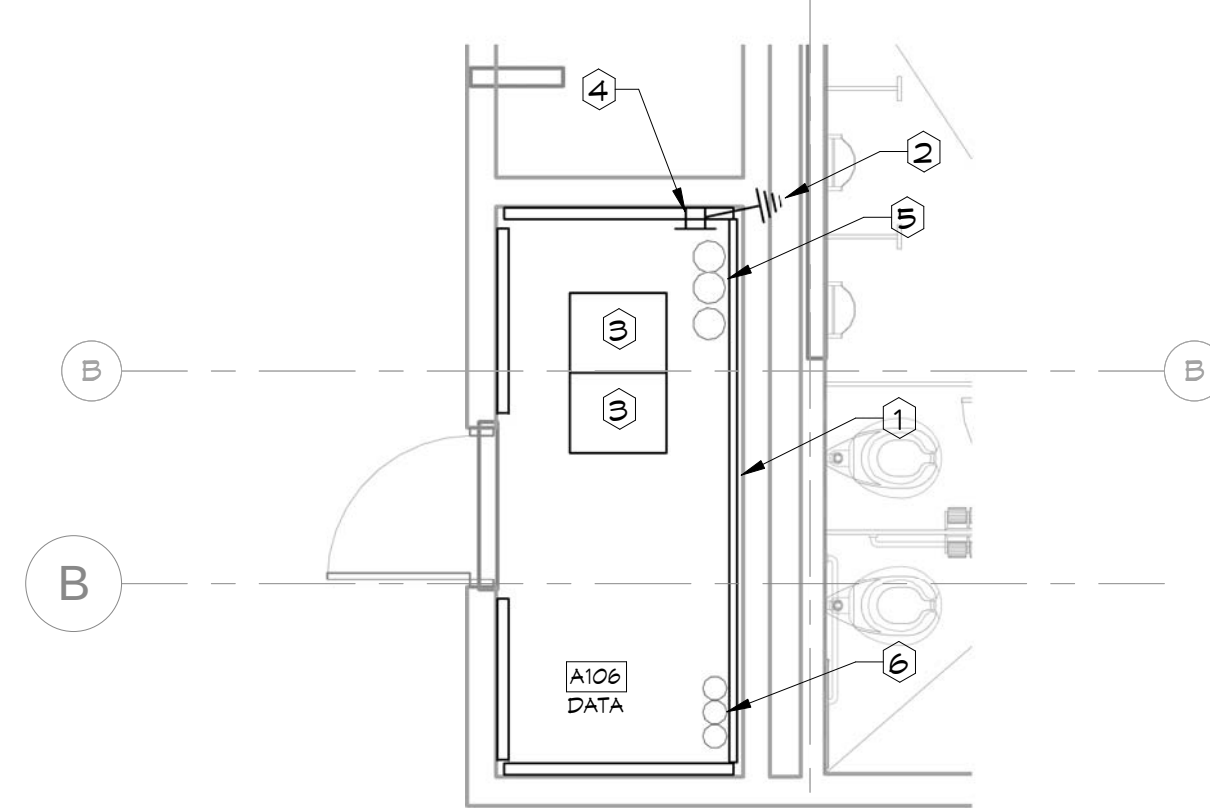
"



1 ENLARGED ELEVATOR PIT POWER PLAN
1/4" = 1'-0"



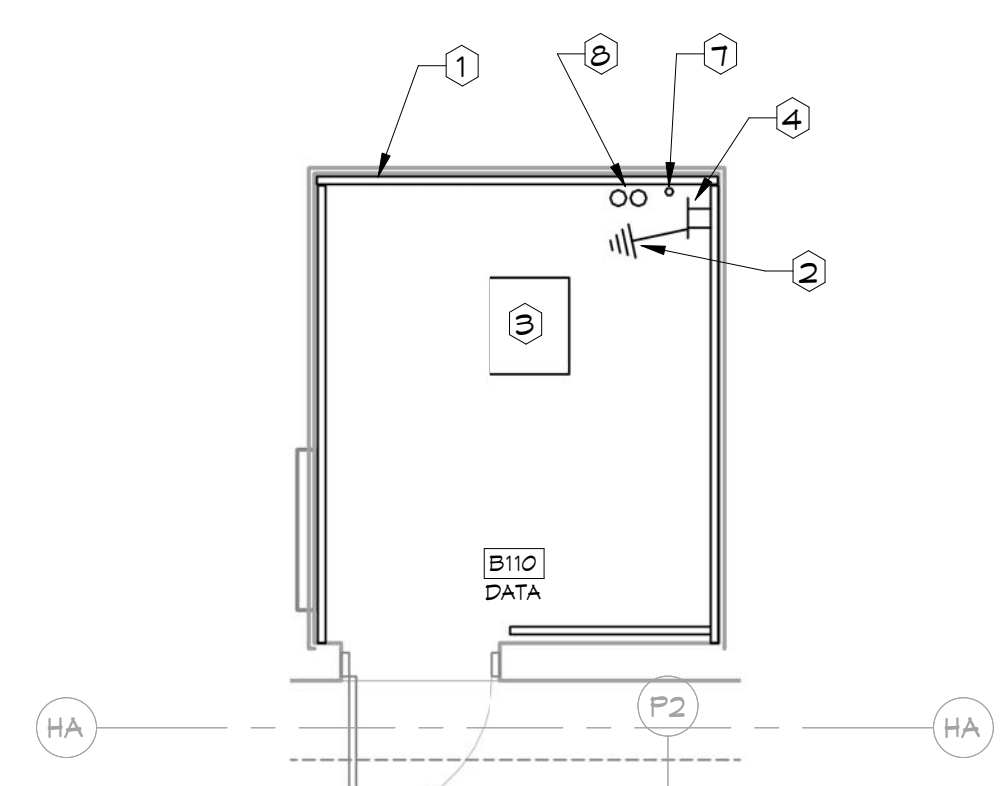
2 ENLARGED ELEVATOR POWER PLAN
1/4" = 1'-0"



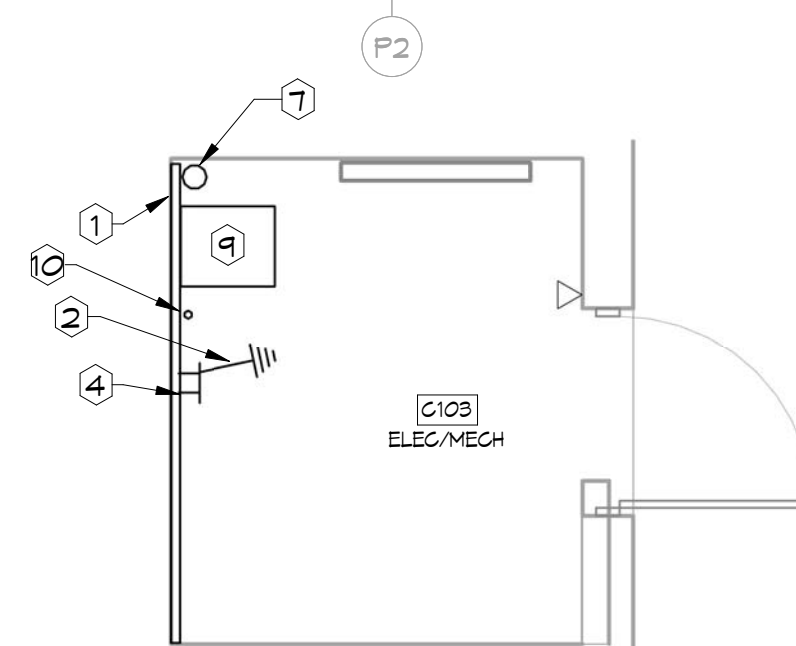
3 ENLARGED POWER PLAN DATA A106
1/4" = 1'-0"

- KEYED NOTES (DETAILS 1 & 2 THIS SHEET)
- POWER FOR ELEVATOR CAB LIGHTING, CAB TOP RECEPTACLE, AUXILIARY LIGHTING, AND CAR VENTILATION CIRCUIT IS TO BE ROUTED TO THE TOP OF THE CONTROLLER, INSTALLED IN THE WALL AND TERMINATED IN THE CONTROLLER. PROVIDE SHUNT TRIP CIRCUIT BREAKER AT THE SERVING PANELBOARD. COORDINATE WITH THE ELEVATOR INSTALLERS.
 - POWER TO ELEVATOR CONTROLLER, INSTALLED IN THE WALL IS TO BE ROUTED TO THE TOP OF THE CONTROLLER. THE ELEVATOR INSTALLER PROVIDES AND INSTALLS THE 150A, 3P, 480V, SHUNT TRIP TYPE CIRCUIT BREAKER IN THE CONTROLLER AND THE ELECTRICAL CONTRACTOR TERMINATES THE CONDUCTORS. COORDINATE WITH THE ELEVATOR INSTALLERS.
 - TWO DEDICATED TELEPHONE LINES TO BE INSTALLED TO THE ELEVATOR CONTROLLER LOCATED IN THE WALL.
 - 30A, 120V RECEPTACLE FOR ELEVATOR SUMP PUMP. COORDINATE NEMA CONFIGURATION WITH SUMP PUMP PROVIDED. SUMP PUMP SHALL BE PLUG-CONNECTED TO NON-SFCI WEATHER RESISTANT SIMPLEX RECEPTACLE WITH IN-USE COVER. DO NOT PROVIDE SHUNT TRIP ON THIS CIRCUIT.
 - PROVIDE CONNECTION TO FIRE ALARM INITIATION DEVICES IN THE ELEVATOR SHAFT. INDICATING SIGNALS MUST BE DIRECT FROM THE FIRE ALARM INITIATION DEVICES. THE SIGNAL SHALL NOT BE SUB-FED VIA THE FIRE ALARM CONTROL PANEL. PROVIDE RELAY BASE FOR EACH INITIATION DEVICE TO DISTRIBUTE THESE SIGNALS.
 - PROVIDE THAT THE CONTROL VOLTAGE FOR SHUNT TRIP CIRCUIT IS MONITORED BY THE FIRE ALARM PANEL. LOSS OF VOLTAGE SHALL ACTIVATE THE FIRE ALARM PANEL AND SHALL INDICATE A "TROUBLE SIGNAL ALARM" OF THE ELEVATOR SHUNT TRIP MECHANISM.
 - PROVIDE LOCKABLE 120V-SINGLE PHASE, 20A NEMA 1 FUSED DISCONNECT SWITCH, FUSED AT 20A FOR THE ELEVATOR SHAFT LIGHTING AND PIT RECEPTACLE. PROVIDE SHUNT TRIP BREAKER AT THE SERVING PANELBOARD. PROVIDE CONTROL CIRCUIT FOR SHUNT TRIP. EXTEND CIRCUIT UP TO FIXTURE AT TOP OF SHAFT.
 - PROVIDE JUNCTION BOX IN ELEVATOR SHAFT AND CONNECT TO THE VENDOR'S TRAVELING CABLES FOR ELEVATOR CAB ONBOARD EMERGENCY PHONE. ROUTE DEDICATED OUTSIDE PHONE LINE TO THE TELEPHONE BOARD VIA ELEVATOR CONTROLLER.
 - PROVIDE JUNCTION BOX ADJACENT TO THE ELEVATOR SHAFT AND CONNECT TO THE VENDOR'S TRAVELING CABLES FOR ELEVATOR CAB ONBOARD LIGHTING. THE SERVICE RECEPTACLES, IF PRESENT ON THE TOP OR BOTTOM OF THE CAB, SHALL BE ON THE SAME CIRCUIT. ROUTE CIRCUIT THROUGH SHUNT TRIP DISCONNECT SWITCH IN ELEVATOR MACHINE ROOM.
 - FOR SHAFT LIGHTING, LOCATE LIGHT SWITCH WITHIN 20' REACH OF OPEN ELEVATOR DOOR AT LEVEL OF ACCESS TO PIT.

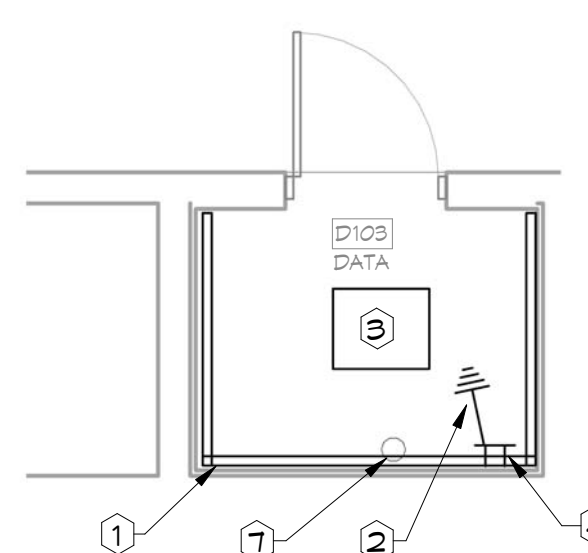
- KEYED POWER NOTES - ENLARGED DATA CLOSETS
- HARDWOOD 3/4", AC, FIRE RETARDANT PLYWOOD BACKBOARD. PLYWOOD SHALL BE FREE OF DEFECTS (KNOTS AND VOIDS). PLYWOOD SHALL BE MOUNTED WITH "A" SIDE EXPOSED TO INTERIOR OF ROOM AND "C" SIDE AGAINST WALL. PLYWOOD SHALL BE MOUNTED SO AS TO BE CAPABLE OF SUPPORTING 50 LBS. PER LINEAR FOOT OF WALL SPACE. DO NOT PAINT THE PLYWOOD. FROM FLOOR TO CEILING ON ENTIRE WALL. MOUNT ON ALL WALLS.
 - FROM GROUND BAR INSTALL 1 #1/0 INSULATED GROUND CONDUCTOR IN 1-1/4" CONDUIT TO THE MAIN SERVICE ENTRANCE GROUND BAR, AND 1 #1/0 INSULATED GROUND CONDUCTOR IN 1-1/4" CONDUIT TO THE NEAREST BRANCH CIRCUIT PANEL IN ELECTRIC ROOM.
 - POST TYPE EQUIPMENT RACK. PROVIDED AND INSTALLED BY OWNER.
 - PROVIDE 1/4" X 20" X 4" GROUNDING BAR. INSTALL A #1/0 GROUND WIRE FROM GROUND BAR TO EACH RACK, CABLE TRAY SEGMENT, CROSS CONNECT ENCLOSURE, AND FIBER SHELF.
 - THREE (3) 4" UNDERGROUND CONDUITS FOR LOW VOLTAGE SYSTEMS. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION. STUB 18" AFF IN CORNER, CAP AND LABEL.
 - THREE (3) 3" UNDERGROUND CONDUITS FOR LOW VOLTAGE SYSTEMS. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION. STUB 18" AFF IN CORNER, CAP AND LABEL.
 - ONE (1) 3" UNDERGROUND CONDUIT FOR LOW VOLTAGE SYSTEMS. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION. STUB 18" AFF IN CORNER, CAP AND LABEL.
 - TWO (2) 4" CONDUITS FROM PRESSBOX ROOM B207.
 - WALL MOUNTED EQUIPMENT RACK. PROVIDED AND INSTALLED BY THE OWNER.
 - CONDUIT STUB UP FOR COAX. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.



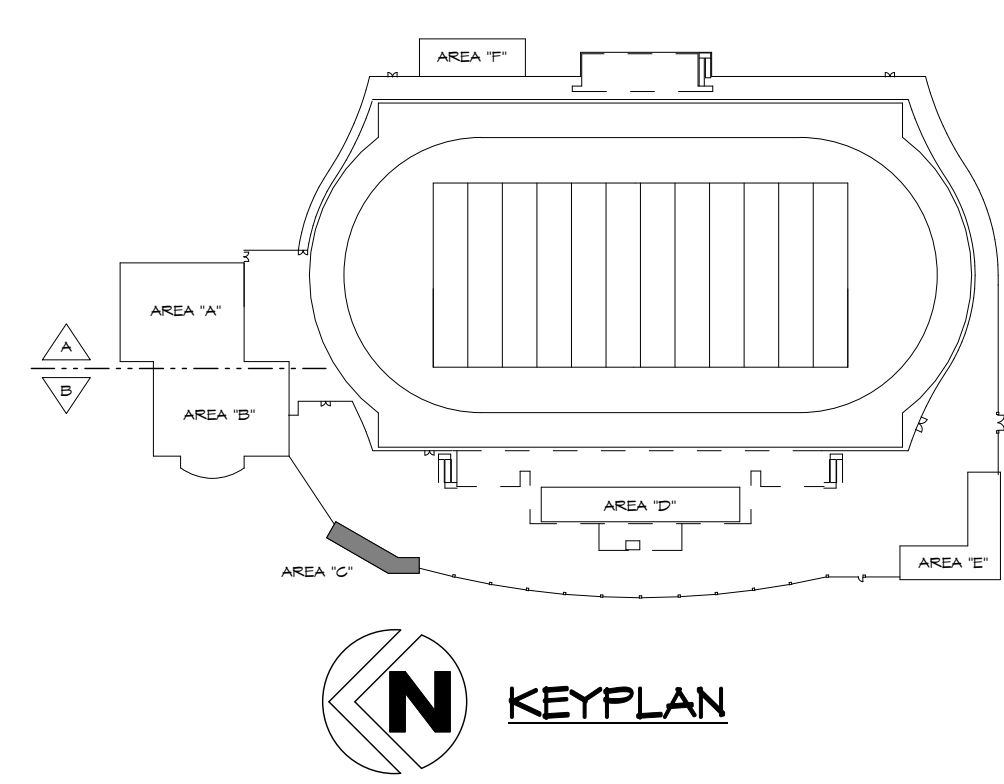
4 ENLARGED POWER PLAN DATA B110
1/4" = 1'-0"



5 ENLARGED POWER PLAN ELEC/MECH C103
1/4" = 1'-0"



6 ENLARGED POWER PLAN DATA D103
1/4" = 1'-0"



HSA Engineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

STATE OF MISSOURI
CHARLES E. RAEF JR.
Professional Engineer
PE-007070708
02/29/2016

Hight Jackson Associates
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4665 | www.hjarch.com

CARTHAGE R-9 SCHOOL DISTRICT
CARTHAGE STADIUM COMPLEX
CARTHAGE, MO

DRAWN BY:
E.S.
CHECK BY:
C.E.R.
ISSUE DATE:
2/29/2016
PROJECT NO:
1365
REVISION DATES
DATE DESCRIPTION
#

SHEET
E3.2
COPYRIGHT 2016
THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF HIGHT JACKSON ASSOCIATES P.A. USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT



DESIGNED BY: E.S.	PROJECT NO. 1365
CHECKED BY: C.E.R.	
ISSUE DATE: 02/29/2016	
REVISIONS	
DATE	DESCRIPTION

HSA

Engineering

479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAconsultants.com

COPYRIGHT 2016
THESE DRAWINGS ARE PRELIMINARY AND
NOT FOR CONSTRUCTION
WITHOUT WRITTEN CONSENT

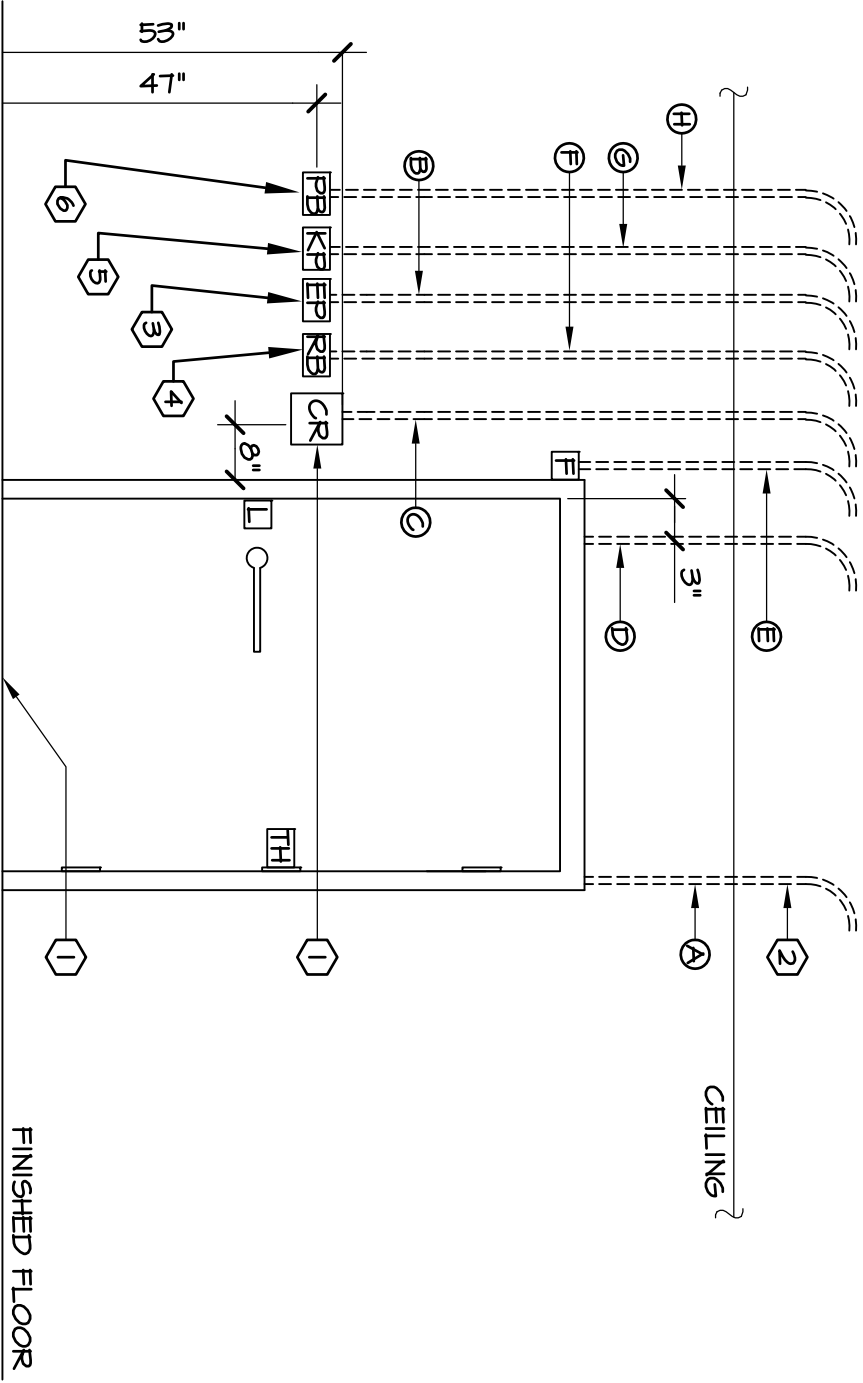
E3.3

SECURITY/ACCESS CONTROL SYSTEMS RESPONSIBILITIES	
TEAM MEMBER	INSTALLATION
ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL BACKBOXES AND CONDUIT AS NOTED ON DETAIL. ELECTRICAL CONTRACTOR SHALL FURNISHED AND INSTALL 120V EMT CONDUIT FROM BACKBOX TO POWER SUPPLY. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO POWER SUPPLY.
OWNER	OWNER SHALL FURNISH AND INSTALL CARD READER CABLING FROM CARD READER TO POWER SUPPLY. OWNER SHALL FURNISH AND INSTALL CABLING FROM HEAD END CONTROLLER TO POWER SUPPLY. KEYPAD AND CABLING FURNISHED AND INSTALLED BY THE OWNER. ACCESS CONTROL RELEASE BUTTON AND CABLING FURNISHED AND INSTALLED BY THE OWNER. LOCKDOWN SWITCH AND CABLING FURNISHED BY THE OWNER. SECURITY LOCKDOWN PANIC BUTTON FURNISHED AND INSTALLED BY THE OWNER. SECURITY CAMERAS AND CABLING FURNISHED AND INSTALLED BY THE OWNER. READER INTERFACE AND CABLING FURNISHED AND INSTALLED BY THE OWNER.
DOOR HARDWARE SUPPLIER	ELECTRIC DOOR STRIKE FURNISHED AND INSTALLED BY DOOR HARDWARE SUPPLIER. POWER TRANSFER HINGE AND CABLING FURNISHED AND INSTALLED BY DOOR HARDWARE SUPPLIER. TRANSFER HINGE TO EXIT SWITCH AND CABLING FURNISHED AND INSTALLED BY DOOR HARDWARE SUPPLIER. POWER SUPPLY AND CABLING FURNISHED AND INSTALLED BY THE DOOR HARDWARE SUPPLIER.

KEYED NOTES:

- ① BACKBOX FOR CARD READER, BACKBOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, OPEN TO UNSECURED SIDE.
- ② CONDUIT WITH PULLSTRINGS STUBBED ABOVE CEILING
- ③ BACKBOX FOR PANIC HARDWARE, BACKBOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, OPEN TO SECURED SIDE.
- ④ BACKBOX FOR PANIC HARDWARE, BACKBOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, OPEN TO SECURED SIDE.
- ⑤ BACKBOX FOR KEYPAD BACKBOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, OPEN TO SECURED SIDE.
- ⑥ BACKBOX FOR PANIC BUTTON, BACKBOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, OPEN TO SECURED SIDE.

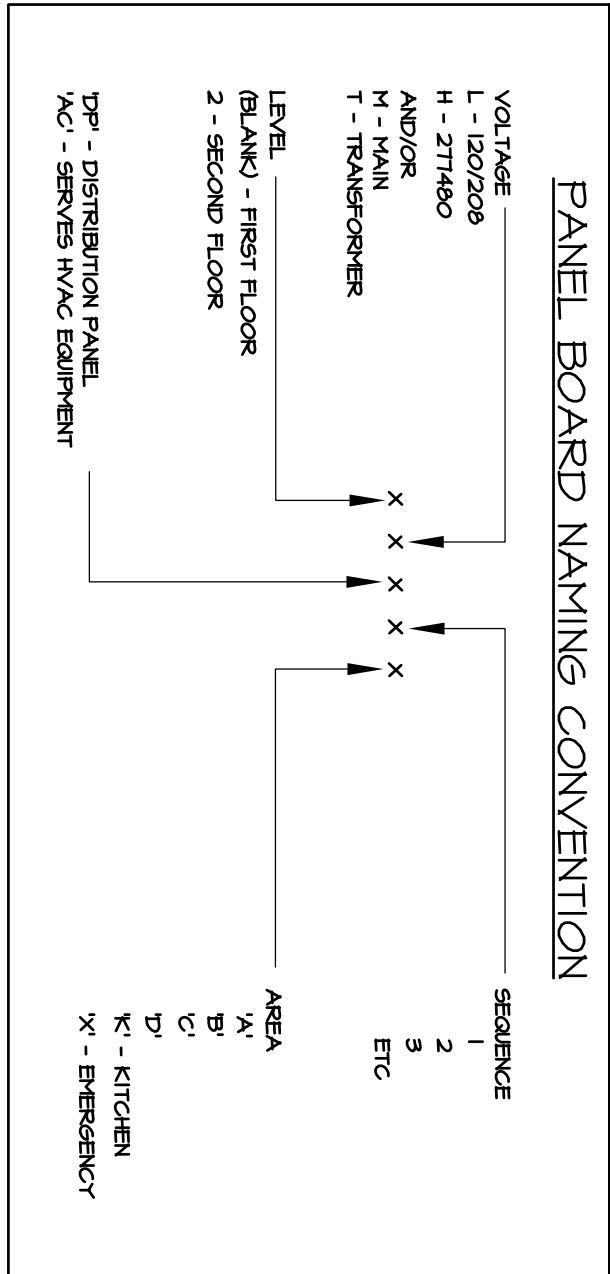
- ⑦ CONDUIT 'A': ¾" CONDUIT FOR ELECTRIFIED HARDWARE MINING
- ⑧ CONDUIT 'B': ¾" CONDUIT FOR ELECTRIFIED HARDWARE MINING
- ⑨ CONDUIT 'C': 1" EMT CONDUIT FROM BACKBOX WITH PULL STRING
- ⑩ CONDUIT 'D': ¾" EMT CONDUIT WITH PULL STRING
- ⑪ CONDUIT 'E': ¾" EMT CONDUIT WITH PULL STRING
- ⑫ CONDUIT 'F': ¾" EMT CONDUIT WITH PULL STRING
- ⑬ CONDUIT 'G': ¾" EMT CONDUIT WITH PULL STRING
- ⑭ CONDUIT 'H': ¾" EMT CONDUIT WITH PULL STRING



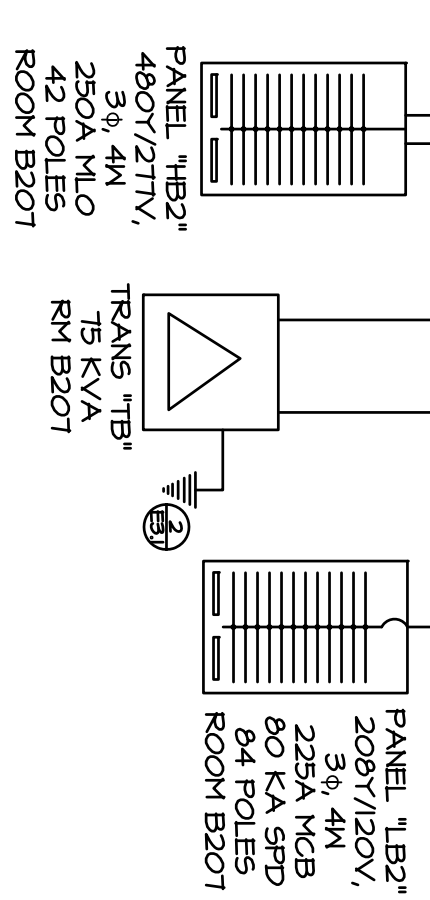
① CONDUIT REQUIREMENTS AT ACCESS CONTROLLED DOORS
N.T.S.



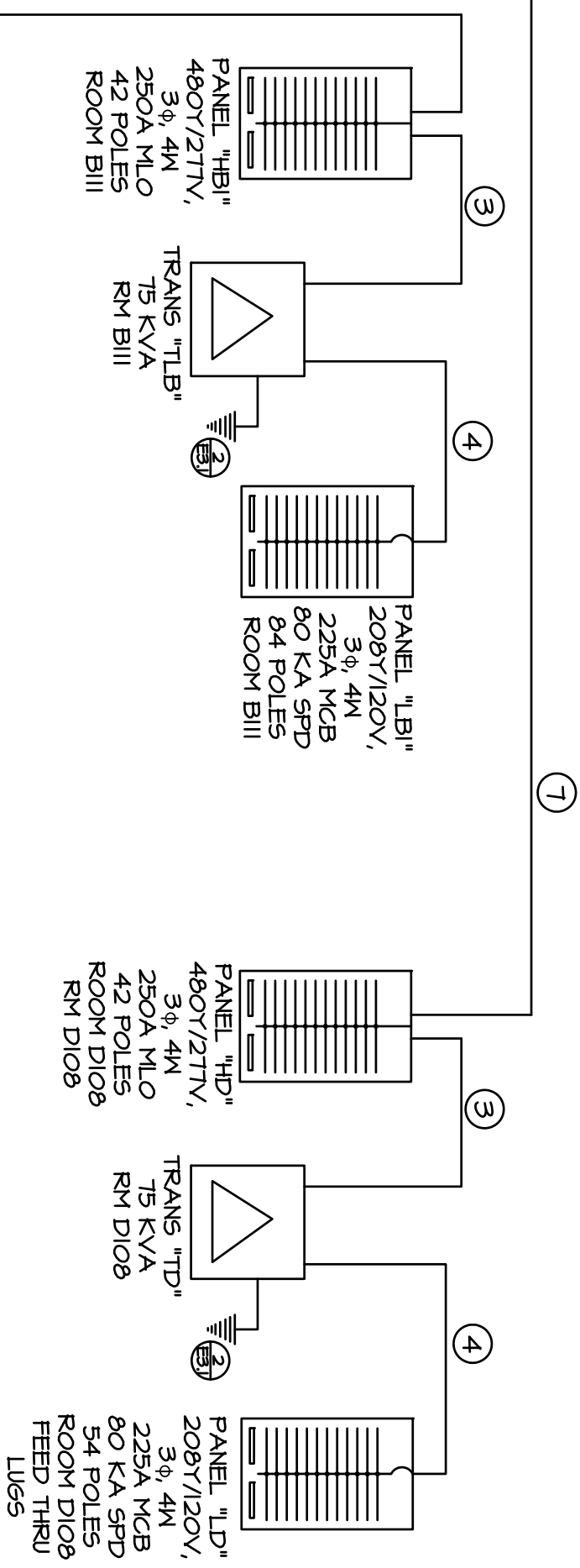
#	DATE	DESCRIPTION



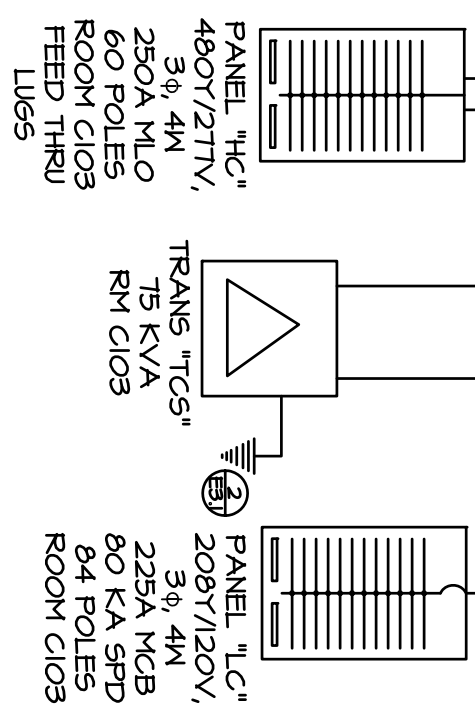
4 AREA "B" PRESSBOX
N.T.S.



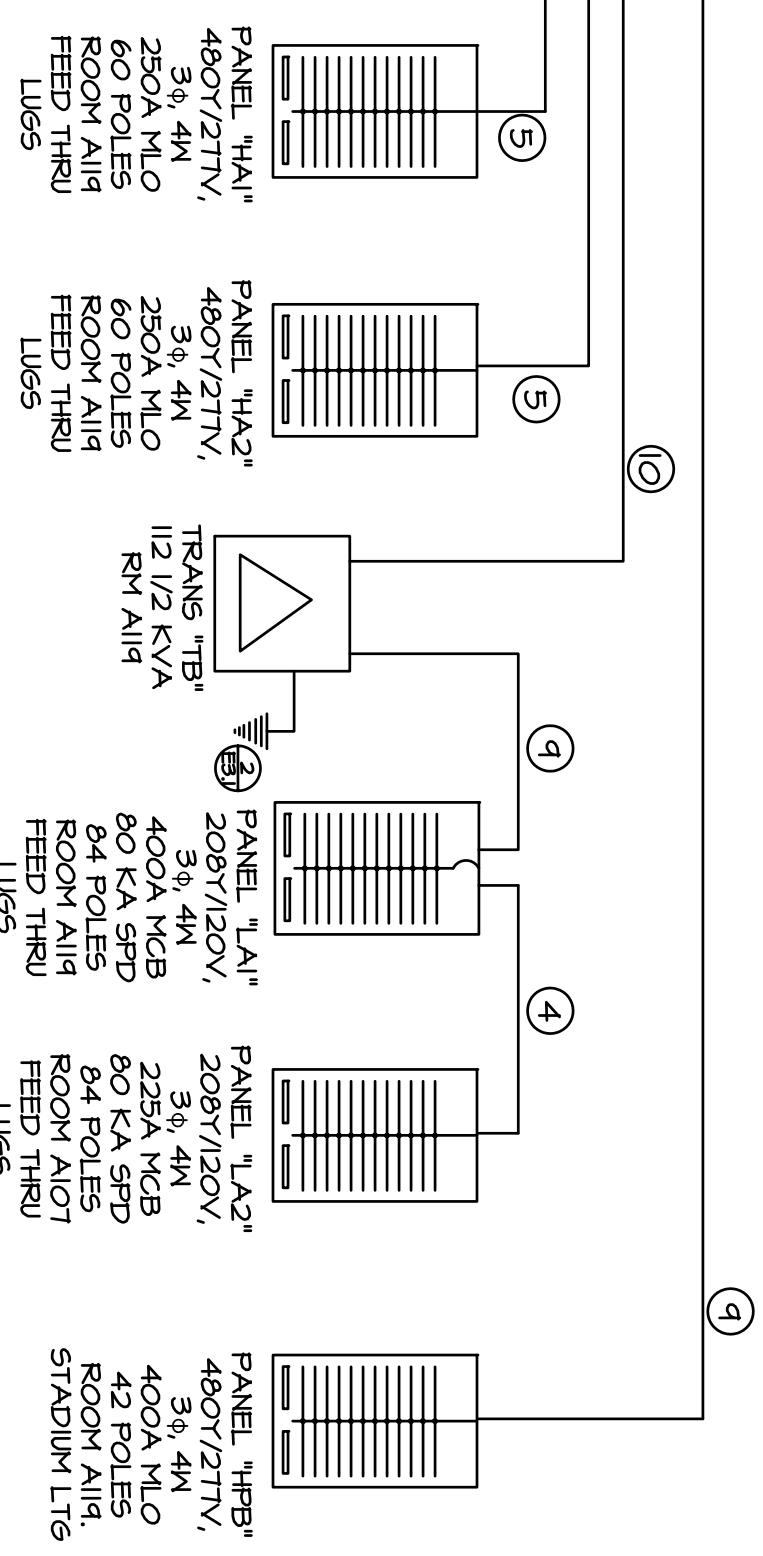
7 AREA "D"
N.T.S.



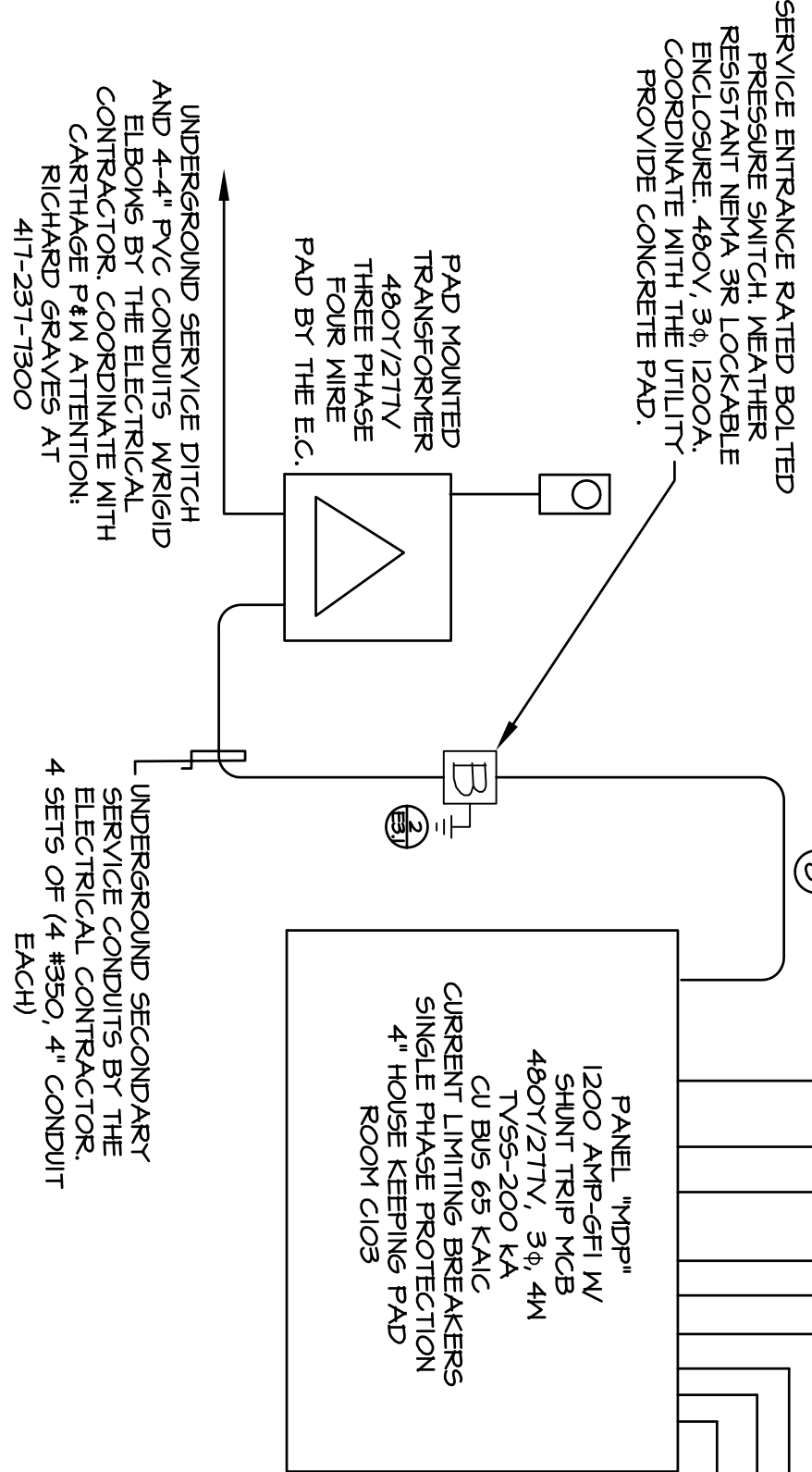
6 AREA "B"
N.T.S.



3 AREA "C"
N.T.S.



2 AREA "A"
N.T.S.



5/8" EMPTY 3" CONDUIT WITH
PULLSTRING AT FUTURE TICKET BOOTH
AREA 18" AFG, CAP AND LABEL. REFER
TO E5.10 FOR ADDITIONAL INFORMATION

1 ELECTRICAL RISER
N.T.S.

FEEDER SCHEDULE

- 1 4 #3, 1 #6 GRD, 1 1/4" C
- 2 3 #2, 1 #10 GRD, 3/4" C
- 3 3 #2, 1 #6 GRD, 1 1/2" C
- 4 4 #4/0 & 1 #4 GRD, 2 1/2" C
- 5 4 #250 & 1 #2 GRD, 3" C
- 6 4 #1/0 & 1 #6 GRD, 3" C
- 7 4 #250 & 1 #2 GRD, 3" C
- 8 4 SETS OF (4 #350 & 1 #4/0 GRD, 4" C EACH)
- 9 2 SETS OF (4 #3/0 & 1 #2 GRD, 2" C EACH)
- 10 3 #2/0 & 1 #6 GRD, 2" C

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

Panel Name: MDP

Amp Rating: 1200 A

Mains: MCB

MCB Rating: 1200 A

Volts/Phase/Wire: 480/277 Vye / 3 / 4

Manufacturer: SQUARE D

Panel Type: SWITCHBOARD

Remarks: CU Buss

Fault Current: COORD....

Ground Fault Breaker:

Shunt Trip Breaker: 1200

CKT	Circuit Description	Frame	Rating	Poles	A	B	C	Remarks
1	TRANSFORMER "TB"	200 A	175 A	3	19828 VA	20040 VA	19868 VA	
2	PANEL "HA2"	250 A	250 A	3	17234 VA	9037 VA	11220 VA	
3	PANEL "HA1"	250 A	250 A	3	35085 VA	35175 VA	32085 VA	
4	PANEL "HD"	250 A	250 A	3	14746 VA	15447 VA	15234 VA	
5	PANEL "HB1"	250 A	250 A	3	28720 VA	26152 VA	22713 VA	
6	PANEL "HB2"	250 A	250 A	3	27268 VA	24448 VA	23706 VA	
7	PANEL "HC"	250 A	250 A	3	31945 VA	29775 VA	25470 VA	
8	Spare	--	250 A	3	0 VA	0 VA	0 VA	FUTURE TICKET BOOTH
9	PANEL "HPB"	400 A	400 A	3	54638 VA	54638 VA	54638 VA	MUSCO STADIUM LIGHTING
10	SPD	30 A	30 A	1	0 VA			3 POLE
11	Spare	--	250 A	3	0 VA	0 VA	0 VA	
12	Spare	--	100 A	1	0 VA			
13	Spare	--	100 A	1	0 VA			
14	Spare	--	60 A	1	0 VA			
15	Spare	--	60 A	1	0 VA			
16	Spare	--	60 A	1	0 VA			
17	Spare	--	--	--	0 VA			
18	Spare	--	--	--	0 VA			
19	Spare	--	--	--	0 VA			
20	Spare	--	--	--	0 VA			
					Connected Load:	229463 VA	214712 VA	204934 VA
					Connected Amps:	834 A	781 A	740 A

Load Classification

Lighting

Receptacle

HVAC

Motor

Other

Kitchen

Connected Load

28227 VA

92410 VA

0 VA

2320 VA

149614 VA

4500 VA

Demand Factor

100.00%

55.41%

0.00%

100.00%

100.00%

100.00%

Estimated Demand

28227 VA

51205 VA

0 VA

2320 VA

149614 VA

4500 VA

Panel Totals

Total Conn. Load: 649109 VA

Total Est. Demand: 614787 VA

Total Conn. Current: 785 A

Total Est. Demand Current: 739 A

Panel Name: HA2

Amp Rating: 250 A

Mains: MLO

MCB Rating:

Volts/Phase/Wire 480/277 Vye / 3 / 4

Manufacturer: SQUARE D

Panel Type: NF

Mounting: Surface

Remarks: CU BUS

Fault Rating: SERIES

Feed: REFER TO ELECTRICAL RISER

FEED THRU LUGS

PANEL SCHEDULE																			
Panel Name: LA1										Manufacturers: SQUARE D					Fault Rating: SERIES				
Amp Rating: 400 A										Panel Type:					Feed: REFER TO ELECTRICAL RISER				
Mains: MCB										Mounting: Surface					FEED THRU LUGS				
MCB Rating: 400 A										Remarks: CU BUS									
Volts/Phase/Wire 120/208 Nye / 3 / 4																			
Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF WIRES	POLES	TRIP	CKT	A	B	C	CKT	TRIP	POLES	# OF WIRES	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description	
Receptacle	3/4	12	12	3	1	20	1	720	1800		2	20	1	3	12	12	3/4	Receptacle	
ICE MAKER	3/4	12	12	3	1	20	3		1200	360	4	20	1	3	12	12	3/4	Receptacle	
Receptacle	3/4	12	12	3	1	20	5			180	6	20	1	3	12	12	3/4	Receptacle	
Receptacle	3/4	12	12	3	1	20	7	180	1800		8	20	1	3	12	12	3/4	Receptacle	
UG REFRIG	3/4	12	12	3	1	20	9		1200	1740	10	20	1	3	12	12	3/4	Receptacle	
ENG	3/4	12	12	3	1	20	11			600	12	20	1	3	12	12	3/4	Receptacle	
Receptacle	3/4	12	12	3	1	20	13	540	1200		14	20	1	3	12	12	3/4	Receptacle	
Receptacle	3/4	12	12	3	1	20	15		600	540	16	20	1	3	12	12	3/4	Receptacle	
Receptacle	3/4	12	12	3	1	20	17			900	18	20	1	3	12	12	3/4	EF-3	
Receptacle	3/4	12	12	3	1	20	19	180	550		20	20	1	3	12	12	3/4	EF-4	
PARKING LOT CAMERAS	3/4	10	10	3	1	20	21		400	400	22	20	1	3	12	12	3/4	CELLING FANS	
PARKING LOT CAMERAS	3/4	10	10	3	1	20	23			400	24	30	3	--	--	--	--	Spare	
Other	3/4	10	10	3	1	20	25	500	0		26	--	--	--	--	--	--	Spare	
Other	3/4	10	10	3	1	20	27		500	0	28	--	--	--	--	--	--	Spare	
LA2	2 1/2	4/0	4	5	3	225	24			15000	30	30	3	--	--	--	--	Spare	
--	--	--	--	--	--	--	31	12050	0		32	--	--	--	--	--	--	Spare	
--	--	--	--	--	--	--	33		12420	0	34	--	--	--	--	--	--	Spare	
FIRE ALARM CONTROL PANEL ***	3/4	12	12	3	1	20	35			600	36	20	3	--	--	--	--	Spare	
PARKING LOT CAMERAS		10	10	3	1	20	37	300	0		38	--	--	--	--	--	--	Spare	
Receptacle	3/4	12	12	3	1	20	39		180	0	40	--	--	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	41			0	42	30	3	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	43	0	0		44	--	--	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	45		0	0	46	--	--	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	47			0	48	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	49	0	0		50	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	51		0	0	52	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	53			0	54	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	55	0	0		56	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	57		0	0	58	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	59			0	60	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	61	0	0		62	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	63		0	0	64	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	65			0	66	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	67	0	0		68	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	69		0	0	70	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	71			0	72	20	1	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	73	0	0		74	--	--	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	75		0	0	76	--	--	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	77			0	78	--	--	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	79	0	0		80	--	--	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	81		0	0	82	--	--	--	--	--	--	Spare	
Spare	--	--	--	--	--	--	83			0	84	--	--	--	--	--	--	Spare	
Total Load:								19825 VA	20040 VA	19865 VA									
Total Amps:								165 A	167 A	166 A									
Load Classification		Connected Load			Demand Factor			Estimated Demand			Panel Totals								
Lighting		0 VA			0.00%			0 VA			Total Conn. Load: 54736 VA								
Receptacle		35340 VA			64.15%			22670 VA			Total Est. Demand: 47102 VA								
HVAC		0 VA			0.00%			0 VA			Total Conn. Current: 166 A								
Motor		0 VA			0.00%			0 VA			Total Est. Demand Current: 131 A								
Other		18445 VA			100.00%			18445 VA											
Kitchen		0 VA			0.00%			0 VA											

PANEL SCHEDULE																			
Panel Name: HA1										Manufacturers: SQUARE D					Fault Rating: SERIES				
Amp Rating: 250 A										Panel Type: NF					Feed: REFER TO ELECTRICAL RISER				
Mains: MLO										Mounting: Surface					FEED THRU LUGS				
MCB Rating:										Remarks: CU BUS									
Volts/Phase/Wire 480/277 Nye / 3 / 4																			
Circuit Description	COND. SIZE																		

PANEL SCHEDULE																								
Panel Name: HB1										Manufacturer: SQUARE D					Fault Rating: SERIES									
Amp Rating: 250 A										Panel Type: NF					Feed: REFER TO ELECTRICAL RISER									
Mains: MLO										Mounting: Surface														
MCB Rating:										Remarks: CU BUS														
Volts/Phase/Wire 480/277 Vye / 3 / 4																								
Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF WIRES	POLES	TRIP	CKT	A	B	C	CKT	TRIP	POLES	# OF WIRES	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description						
RTU-12	3/4	12	12	5	3	15	1	3540	3540		2	15	3	5	12	12	3/4	RTU-13						
--	--	--	--	--	--	--	3		3540	3540	4	--	--	--	--	--	--							
--	--	--	--	--	--	--	5			3540	6	--	--	--	--	--	--							
RTU-14	3/4	12	12	5	3	20	7	3540	2000		8	20	1	3	12	12	3/4	WH-4						
--	--	--	--	--	--	--	9		3540	0	10	20	1	--	--	--	--	Spare						
--	--	--	--	--	--	--	11			3540	12	20	1	--	--	--	--	Spare						
Lighting	3/4	12	12	3	1	20	13	2411	0		14	20	1	--	--	--	--	Spare						
Lighting	3/4	12	12	3	1	20	15		1443	0	16	20	1	--	--	--	--	Spare						
Lighting	3/4	12	12	3	1	20	17			1440	18	20	1	--	--	--	--	Spare						
Lighting	3/4	12	12	3	1	20	19	710	0		20	20	1	--	--	--	--	Spare						
Lighting - Exterior	3/4	12	12	3	1	20	21		1330	0	22	20	1	--	--	--	--	Spare						
TLB	1 1/4	2	6	4	3	110	23	12762	0		24	20	1	--	--	--	--	Spare						
--	--	--	--	--	--	--	27		12536	0	26	20	3	--	--	--	--	Spare						
--	--	--	--	--	--	--	29			4422	30	--	--	--	--	--	--							
Spare	--	--	--	--	--	3	15	31	0	0	32	20	1	--	--	--	--	Spare						
--	--	--	--	--	--	--	33		0	0	34	20	1	--	--	--	--	Spare						
--	--	--	--	--	--	--	35			0	36	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	37	0	0	38	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	39		0	40	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	41		0	42	20	1	--	--	--	--	Spare						
Total Load:								20787 VA	26153 VA	22141 VA														
Total Amps:								106 A	96 A	82 A														
Load Classification								Connected Load	Demand Factor	Estimated Demand	Panel Totals													
Lighting								7994 VA	100.00%	7994 VA														
Receptacle								17860 VA	78.00%	13930 VA														
HVAC								0 VA	0.00%	0 VA														
Motor								0 VA	0.00%	0 VA														
Other								5460 VA	100.00%	5460 VA														
Kitchen								4500 VA	100.00%	4500 VA														
												Total Conn. Load: 77631 VA				Total Est. Demand: 74217 VA								
												Total Conn. Current: 95 A				Total Est. Demand Current: 84 A								

PANEL SCHEDULE																								
Panel Name: LB1										Manufacturer: SQUARE D					Fault Rating: SERIES									
Amp Rating: 225 A										Panel Type: NQ					Feed: REFER TO ELECTRICAL RISER									
Mains: MLO										Mounting: Surface														
MCB Rating: 225 A										Remarks: CU BUS														
Volts/Phase/Wire 120/208 Vye / 3 / 4																								
Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF WIRES	POLES	TRIP	CKT	A	B	C	CKT	TRIP	POLES	# OF WIRES	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description						
Receptacle	3/4	12	12	3	1	20	1	540	600		2	20	1	3	12	12	3/4	EXC *						
Receptacle	3/4	12	12	3	1	20	3		360	900	4	20	1	3	12	12	3/4	Receptacle						
Receptacle	3/4	12	12	3	1	20	5			360	6	20	1	3	12	12	3/4	Receptacle						
Receptacle	3/4	12	12	3	1	20	7	660	900		8	20	1	3	12	12	3/4	Receptacle						
Receptacle	3/4	12	12	3	1	20	9			720	10	20	1	3	12	12	3/4	Receptacle						
EXC *	3/4	12	12	3	1	20	11			600	12	20	1	3	12	12	3/4	Receptacle						
Receptacle	3/4	12	12	3	1	20	13	360	900		14	20	1	3	12	12	3/4	Receptacle						
WASHER *	3/4	12	12	3	1	20	15		1200	360	16	20	1	3	12	12	3/4	Receptacle						
ELEC DRYER	3/4	8	10	4	2	30	17			2250	18	20	1	3	12	12	3/4	Receptacle						
--	--	--	--	--	--	--	19	2250	600		20	20	1	3	12	12	3/4	EXC *						
Receptacle	3/4	12	12	3	1	20	21		360	600	22	20	1	3	12	12	3/4	EXC *						
Receptacle	3/4	12	12	3	1	20	23			360	24	20	1	--	--	--	--	Spare						
Receptacle	3/4	12	12	3	1	20	25	360	360		26	20	1	3	12	12	3/4	Receptacle						
R. ROOF TOP	3/4	12	12	3	1	20	27		900	1352	28	20	2	4	12	12	3/4	AC-5 & AGC-5						
EXC *	3/4	12	12	3	1	20	29			600	30	--	--	--	--	--	--							
WATER HEATERS	3/4	12	12	3	1	20	31	900	1352		32	20	2	4	12	12	3/4	AC-6 & AGC-6						
SUMP PUMP	3/4	12	12	3	1	30	33		1400	1352	34	--	--	--	--	--	--							
AC-4 & AGC-4	3/4	12	12	3	1	20	35			360	36	20	1	3	12	12	3/4	Receptacle						
--	--	--	--	--	--	--	37	1352	160		38	20	1	3	12	12	3/4	EF-15, 17						
--	--	--	--	--	--	--	39		1352	200	40	20	1	3	12	12	3/4	EF-4						
FIRE ALARM CONTROL PANEL ***	3/4	12	12	3	1	20	41			600	42	20	1	3	12	12	3/4	CEILING FANS						
EF-23, 24, 25	3/4	12	12	3	1	20	43	600	180		44	20	1	3	12	12	3/4	COMPRESSOR						
EF-20, 21, 22	3/4	12	12	3	1	20	45		200	0	46	20	2	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	47		0	48	--	--	--	--	--	--							
Spare	--	--	--	--	--	1	20	49	0	0	50	20	2	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	51		0	52	--	--	--	--	--	--							
Spare	--	--	--	--	--	1	20	53			54	20	1	3	10	6	3/4	Receptacle						
Spare	--	--	--	--	--	1	20	55	0	540	56	20	1	3	10	6	3/4	Receptacle						
Spare	--	--	--	--	--	1	20	57		0	58	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	59			60	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	61	0	0	62	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	63		0	64	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	65			66	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	67	0	0	68	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	69		0	70	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	71		0	72	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	73	0	0	74	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	75		0	76	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	77			78	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	79	0	0	80	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	81		0	82	20	1	--	--	--	--	Spare						
Spare	--	--	--	--	--	1	20	83			84	20	1	--	--	--	--	Spare						
Total Load:								12762 VA	12536 VA	4422 VA														
Total Amps:								110 A	108 A	83 A														
Load Classification								Connected Load	Demand Factor	Estimated Demand	Panel Totals													
Lighting								180 VA	100.00%	180 VA														
Receptacle								17860 VA	78.00%	13930 VA														
HVAC								0 VA	0.00%	0 VA														
Motor								0 VA	0.00%	0 VA														
Other								3460 VA	100.00%	3460 VA														
Kitchen								4500 VA	100.00%	4500 VA														
												Total Conn. Load: 35220 VA				Total Est. Demand: 31290 VA								
												Total Conn. Current: 100 A				Total Est. Demand Current: 81 A								

PANEL SCHEDULE																								
Panel Name: LB2										Manufacturer: SQUARE D					Fault Rating: SERIES									
Amp Rating: 225 A										Panel Type: NQ					Feed: REFER TO ELECTRICAL RISER									
Mains: 225										Mounting: Surface														
MCB Rating: 225 A										Remarks: CU BUS														

Panel Name: HC																							
Amp Rating: 250 A								Manufacturer: SQUARE D								Fault Rating: SERIES							
Mains: MLO								Panel Type: NF, FEED THRU...								Feed: REFER TO ELECTRICAL RISER							
MCB Rating: 250 A								Mounting: Surface															
Volts/Phase/Wire 480/277 Vye / 3 / 4								Remarks: CU BUS															
Circuit Description		COND. SIZE	WIRE SIZE	GRD. SIZE	# OF WIRES	Poles	TRIP	CKT	A		B		C		CKT	TRIP	Poles	# OF WIRES	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description	
Lighting		3/4	12	12	3	1	20	1	1050	2000					2	20	1	3	12	12	3/4	WH-2	
Lighting		3/4	12	12	3	1	20	3			2520	2000			4	20	1	3	12	12	3/4	WH-3	
Lighting		3/4	12	12	3	1	20	5					511	1667	6	20	3	5	12	12	3/4	CH-1	
Lighting - BOLLARDS		3/4	12	12	3	1	20	7	125	1667					8	--	--	--	--	--	--	--	
CH-6		3/4	12	12	5	3	20	4			1333	1667			10	--	--	--	--	--	--	--	
---		--	--	--	--	--	--	11					1333	1667	12	20	3	5	12	12	3/4	CH-2	
---		--	--	--	--	--	--	13	1333	1667					14	--	--	--	--	--	--	--	
CH-7		3/4	12	12	5	3	20	15			1333	1667			16	--	--	--	--	--	--	--	
---		--	--	--	--	--	--	17					1333	1667	18	20	3	5	12	12	3/4	CH-5	
---		--	--	--	--	--	--	19	1333	1667					20	--	--	--	--	--	--	--	
CH-8		3/4	12	12	5	3	20	21			1333	1667			22	--	--	--	--	--	--	--	
---		--	--	--	--	--	--	23					1333	1667	24	20	3	5	12	12	3/4	CH-4	
---		--	--	--	--	--	--	25	1333	1667					26	--	--	--	--	--	--	--	
CH-9		3/4	12	12	5	3	20	27			1333	1667			28	--	--	--	--	--	--	--	
---		--	--	--	--	--	--	29			1333	1667	30	20	3	5	12	12	3/4	3/4	CH-3		
---		--	--	--	--	--	--	31	1333	1667					32	--	--	--	--	--	--	--	
CH-10		3/4	12	12	5	3	20	33			667	1667			34	--	--	--	--	--	--	--	
---		--	--	--	--	--	--	35					667	1248	36	20	2	4	10	10	1	PARKING LOT LIGHTING	
---		--	--	--	--	--	--	37	667	1248					38	--	--	--	--	--	--	--	
Lighting		3/4	12	12	3	1	20	39			414	O			40	20	3	--	--	--	--	Spare	
Spare		--	--	--	--	--	--	41					O	O	42	--	--	--	--	--	--	--	
TCS		1 1/4	2	6	4	3	110	43	13254	O					44	--	--	--	--	--	--	--	
---		--	--	--	--	--	--	45			10918	O			46	20	2	--	--	--	--	Spare	
---		--	--	--	--	--	--	47					9556	O	48	--	--	--	--	--	--	--	
Spare		--	--	--	--	--	--	3	20	44	O	O			50	O	1	--	--	--	--	Spare	
---		--	--	--	--	--	--	51				O	O		52	O	1	--	--	--	--	Spare	
---		--	--	--	--	--	--	53					O	O	54	O	1	--	--	--	--	Spare	
Spare		--	--	--	--	--	--	1	20	55	O	O			56	O	1	--	--	--	--	Spare	
Spare		--	--	--	--	--	--	1	20	57		O	O		58	O	1	--	--	--	--	Spare	
Spare		--	--	--	--	--	--	1	20	59			O	O	60	O	1	--	--	--	--	Spare	
Total Load:									32010 VA		30186 VA		25648 VA										
Total Amps:									118 A		111 A		93 A										
Load Classification								Connected Load				Demand Factor				Estimated Demand				Panel Totals			
Lighting								4269 VA				100.00%				4269 VA							
Receptacle								18180 VA				71.50%				14090 VA				Total Conn. Load: 87844 VA			
HVAC								O VA				0.00%				O VA				Total Est. Demand: 84690 VA			
Motor								O VA				0.00%				O VA				Total Conn. Current: 101 A			
Other								55348 VA				100.00%				55348 VA				Total Est. Demand Current: 102 A			
Kitchen								O VA				0.00%				O VA							

Panel Name: HPB

Amp Rating: 400 A

Mains: MLO

MCB Rating:

Volts/Phase/Wire 480/277 Vye / 3 / 4

Manufacturer: SQUARE D

Panel Type: NF

Mounting: Surface

Remarks: CU BUS

Fault Rating: SERIES

Feed: REFER TO ELECTRICAL RISER

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF Wires	Poles	TRIP	CKT	A	B	C	CKT	TRIP	Poles	# OF Wires	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description	
F1, CONTACTOR C1	3/4	6	8	5	3	60	1	11349	888			2	30	3	5	10	10	3/4	F4, CONTACTOR C8
--	--	--	--	--	--	--	3					4	--	--	--	--	--	--	--
--	--	--	--	--	--	--	5					6	--	--	--	--	--	--	--
F1, CONTACTOR C5	3/4	10	10	5	3	30	7	542	13286			8	60	3	5	8	6	3/4	F4, CONTACTOR C4
--	--	--	--	--	--	--	9			542	13286	10	--	--	--	--	--	--	--
--	--	--	--	--	--	--	11					12	--	--	--	--	--	--	--
F2, CONTACTOR C2	3/4	6	8	5	3	60	13	11349	0			14	60	3	--	--	--	--	Spare
--	--	--	--	--	--	--	15			11349	0	16	--	--	--	--	--	--	--
--	--	--	--	--	--	--	17					18	--	--	--	--	--	--	--
F2, CONTACTOR C6	3/4	10	10	5	3	30	14	542	0			20	60	3	--	--	--	--	Spare
--	--	--	--	--	--	--	21			542	0	22	--	--	--	--	--	--	--
--	--	--	--	--	--	--	23					24	--	--	--	--	--	--	--
F3, CONTACTOR C3	3/4	6	8	5	3	60	25	13286	0			26	30	3	--	--	--	--	Spare
--	--	--	--	--	--	--	27					28	--	--	--	--	--	--	--
--	--	--	--	--	--	--	29			13286	0	30	--	--	--	--	--	--	--
F3, CONTACTOR C7	3/4	10	10	5	3	30	31	888	0			32	30	3	--	--	--	--	Spare
--	--	--	--	--	--	--	33			888	0	34	--	--	--	--	--	--	--
--	--	--	--	--	--	--	35					36	--	--	--	--	--	--	--
F4, CONTACTOR C4	3/4	10	10	5	3	30	37	2408	0			38	30	3	--	--	--	--	Spare
--	--	--	--	--	--	--	39					40	--	--	--	--	--	--	--
--	--	--	--	--	--	--	41			2408	0	42	--	--	--	--	--	--	--
Total Load:								54638 VA	54638 VA	54638 VA									
Total Amps:								197 A	197 A	197 A									
Load Classification				Connected Load			Demand Factor			Estimated Demand			Panel Totals						
Lighting				0 VA			0.00%			0 VA									
Receptacle				0 VA			0.00%			0 VA			Total Conn. Load: 163914 VA						
HVAC				0 VA			0.00%			0 VA			Total Est. Demand: 163914 VA						
Motor				0 VA			0.00%			0 VA			Total Conn. Current: 197 A						
Other				0 VA			0.00%			0 VA			Total Est. Demand Current: 197 A						
Kitchen				0 VA			0.00%			0 VA									

NOTES:

* PROVIDE GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER

** PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER

*** PROVIDE HANDLE LOCKING TYPE CIRCUIT BREAKER

HSA

HSAEngineering

479 / 452 / 8922 office

5701 Euper Lane, Ste A

Fort Smith, AR 72903

HSAConsultants.com

CARTHAGE R-9 SCHOOL DISTRICT

CARTHAGE STADIUM COMPLEX

CARTHAGE, MO

DRAWN BY:
E.S.

CHECK BY:
C.E.R.

ISSUE DATE:
2/29/2016

PROJECT NO:
1365

REVISION DATES

#

DATE

DESCRIPTION

SHEET

E5.5

COPYRIGHT 2016

THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF HIGHT JACKSON ASSOCIATES P.A. USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT

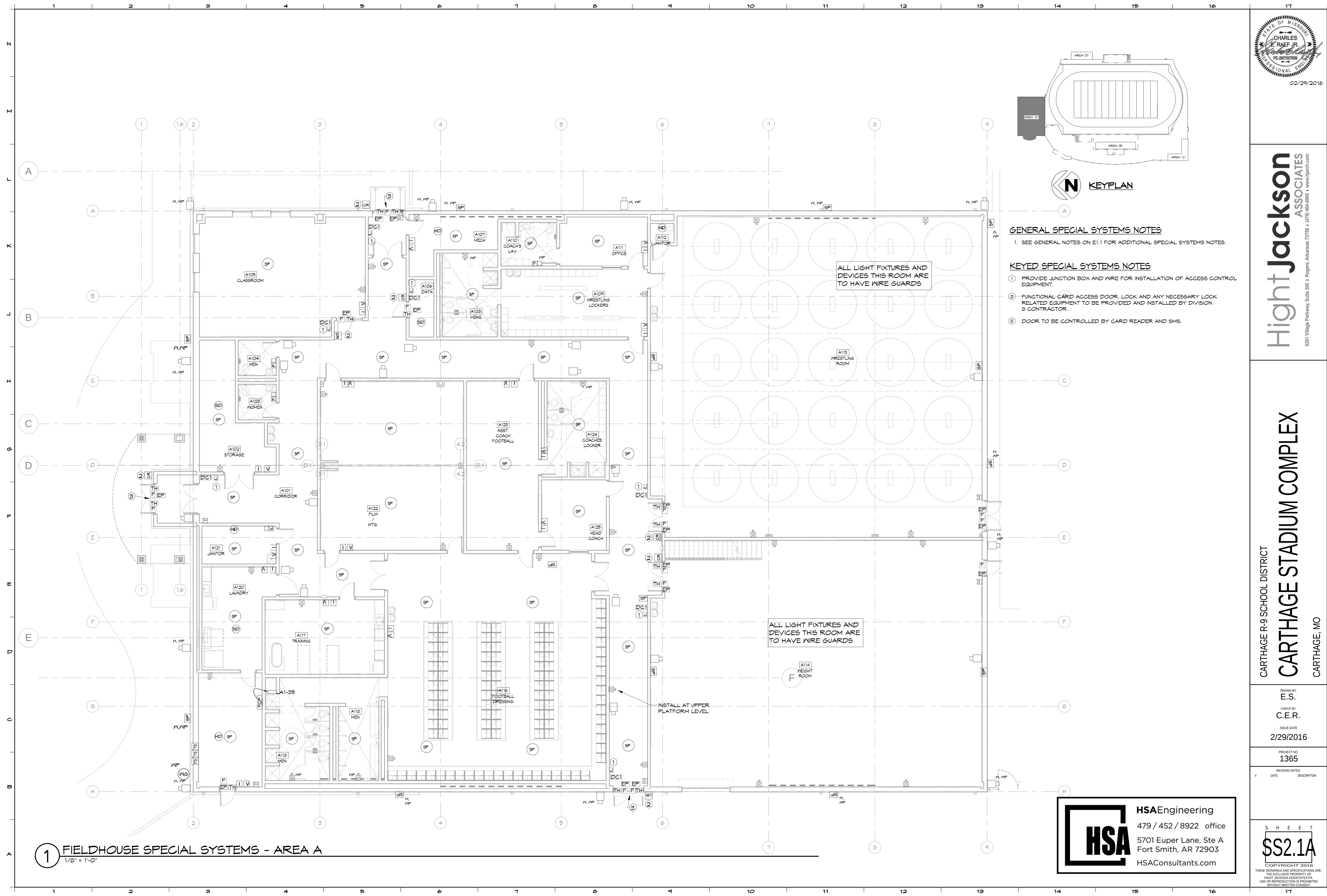
STATE OF MISSOURI

CHARLES E. RAEF JR.

Professional Engineer

PE-007070789

02/29/2016



STATE OF MISSOURI
CHARLES E. RAEF JR.
Professional Engineer
PE-200707089
02/29/2016

Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 664-6665 | www.hjarch.com

CARTHAGE R-9 SCHOOL DISTRICT
CARTHAGE STADIUM COMPLEX
CARTHAGE, MO

DRAWN BY:
E.S.
CHECK BY:
C.E.R.
ISSUE DATE:
2/29/2016

PROJECT NO.
1365

REVISION DATES
DATE DESCRIPTION

SHEET
SS2.1A
COPYRIGHT 2016
THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF HIGHT JACKSON ASSOCIATES P.A. USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT

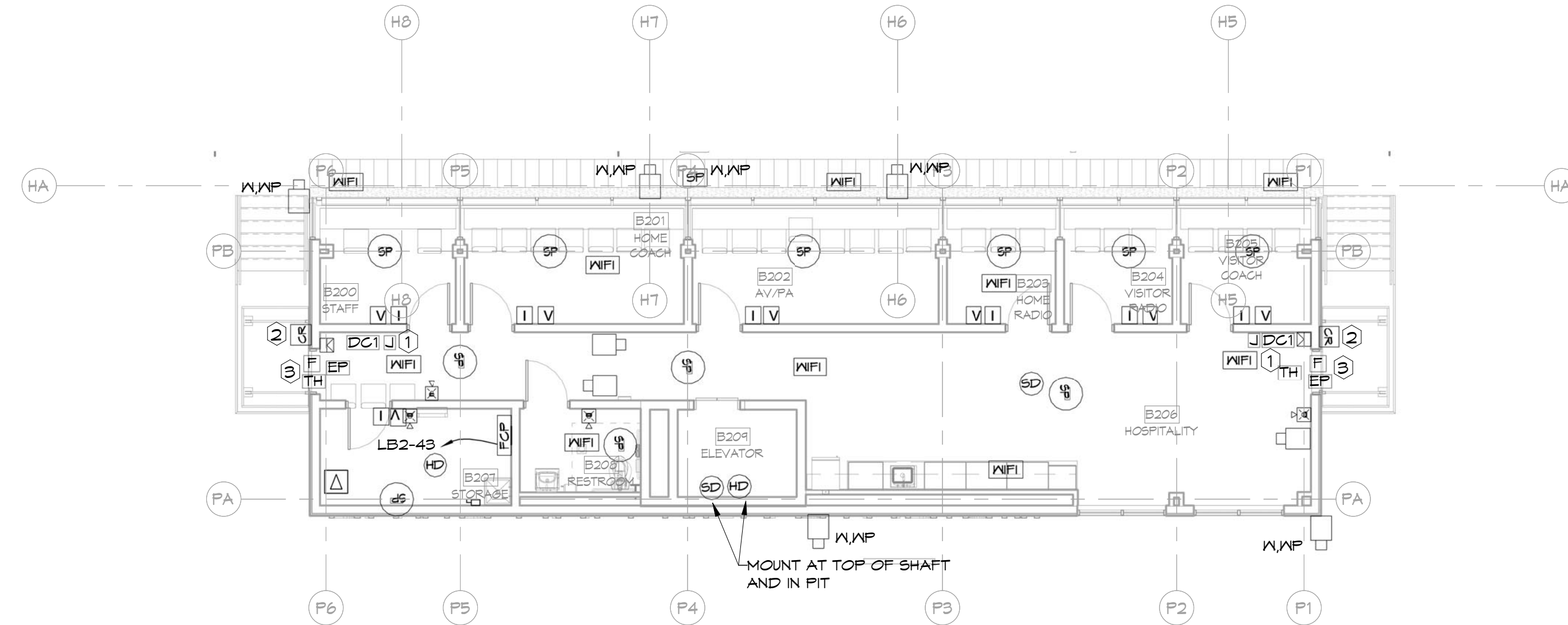
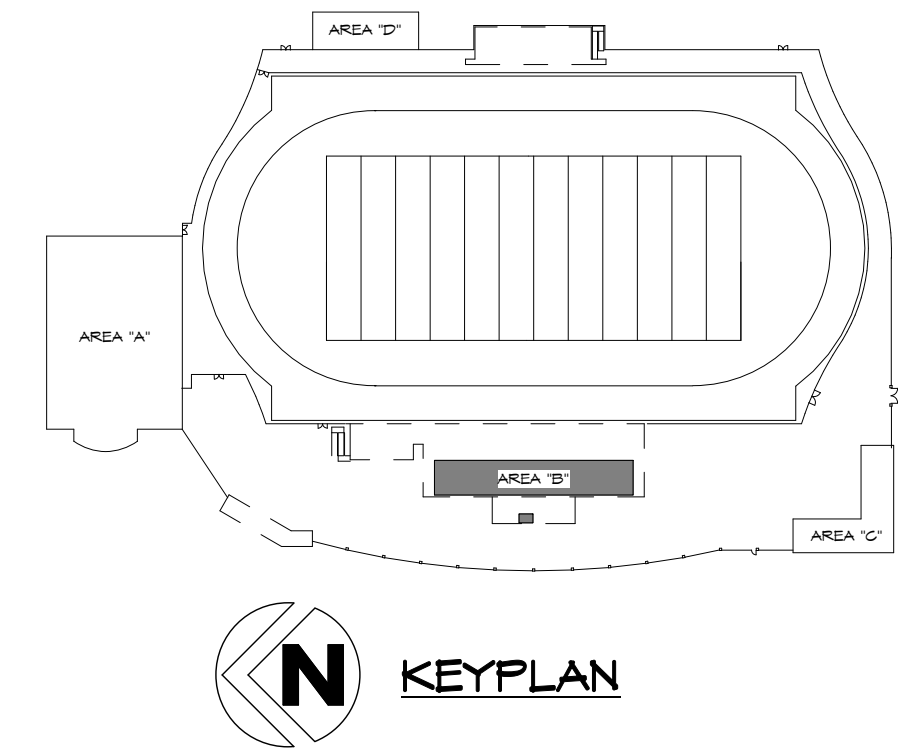
HSA
HSAEngineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

GENERAL SPECIAL SYSTEMS NOTES

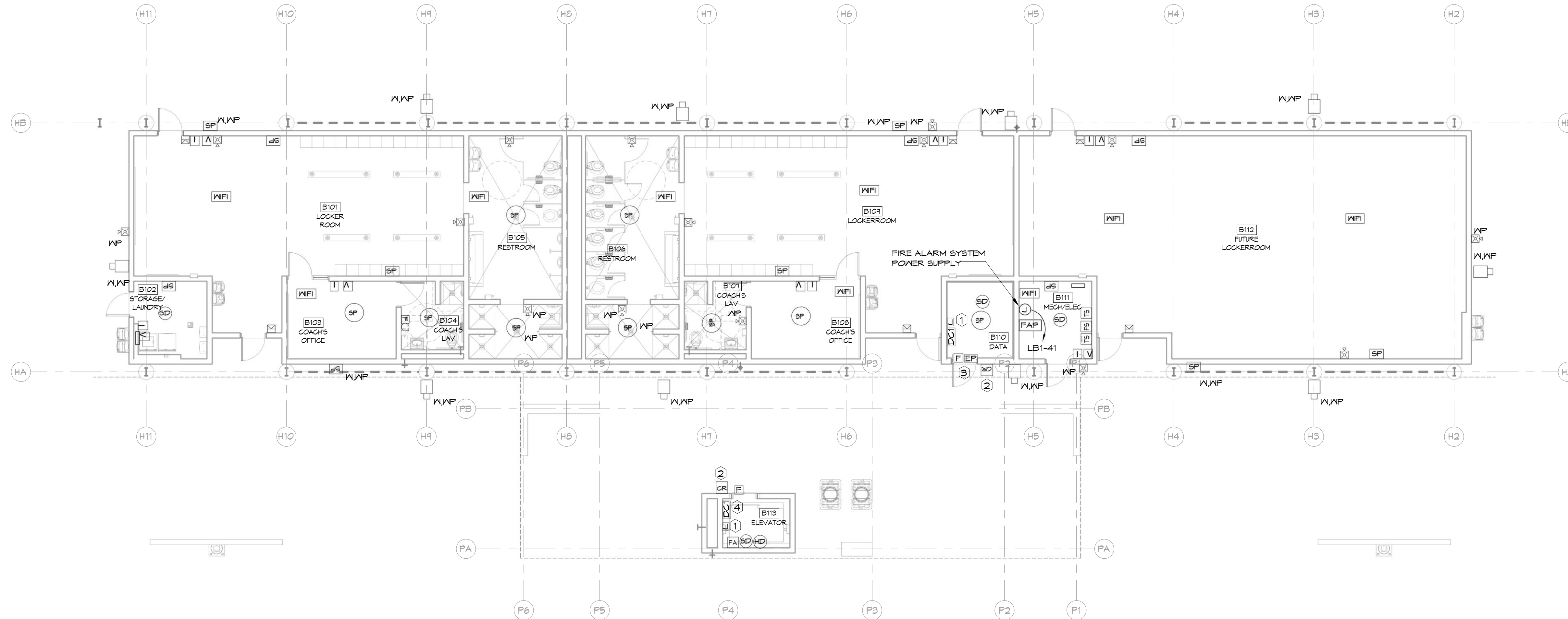
1. SEE GENERAL NOTES ON E1.1 FOR ADDITIONAL SPECIAL SYSTEMS NOTES.

KEYED SPECIAL SYSTEMS NOTES

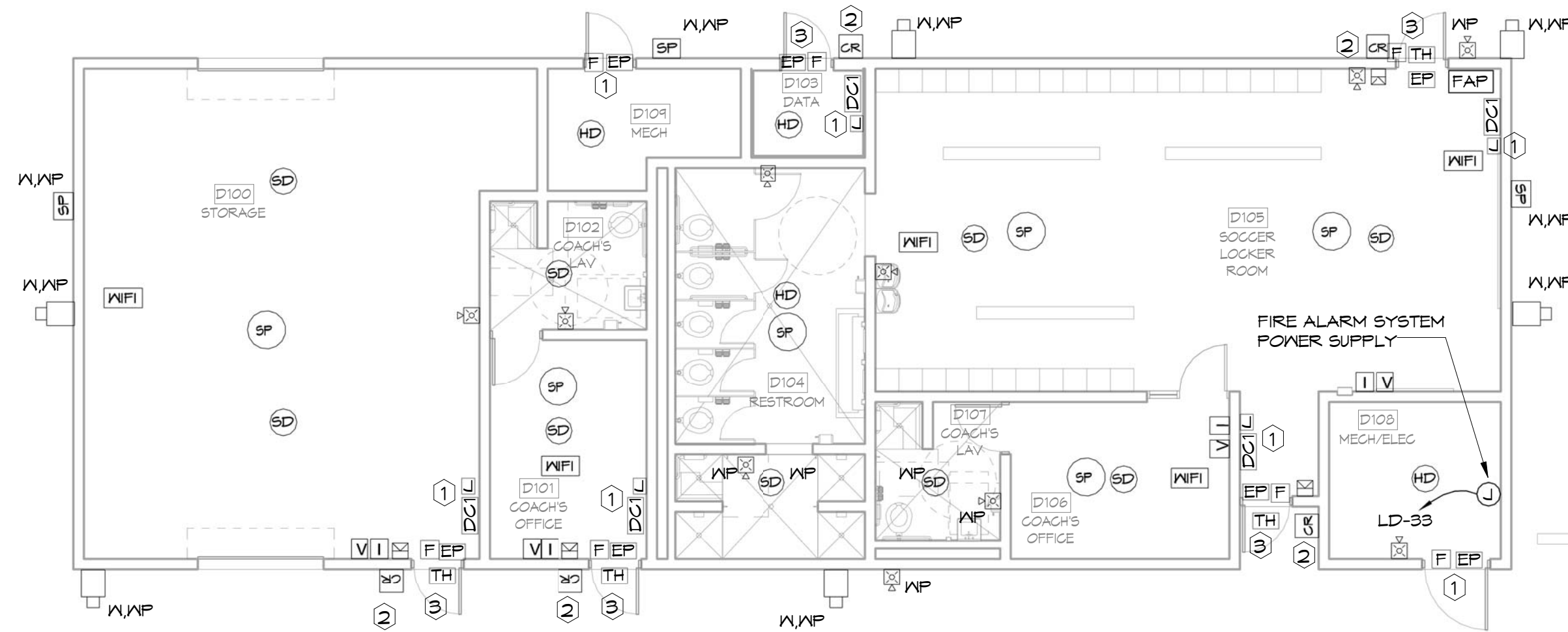
- 1 PROVIDE JUNCTION BOX AND WIRE FOR INSTALLATION OF ACCESS CONTROL EQUIPMENT.
- 2 FUNCTIONAL CARD ACCESS DOOR, LOCK AND ANY NECESSARY LOCK RELATED EQUIPMENT TO BE PROVIDED AND INSTALLED BY DIVISION 8 CONTRACTOR.
- 3 DOOR TO BE CONTROLLED BY CARD READER AND SMS.
- 4 INTERCONNECT WITH ELEVATOR CONTROL PANEL. PROVIDE ALL REQUIRED HARDWARE AND COORDINATE WITH THE ELEVATOR MANUFACTURER.



2 PRESS BOX SPECIAL SYSTEMS PLAN - AREA B
1/8" = 1'-0"



1 LOCKER ROOM SPECIAL SYSTEMS PLAN - AREA B
1/8" = 1'-0"



1 LOCKER ROOM SPECIAL SYSTEMS PLAN - AREA D
1/8" = 1'-0"

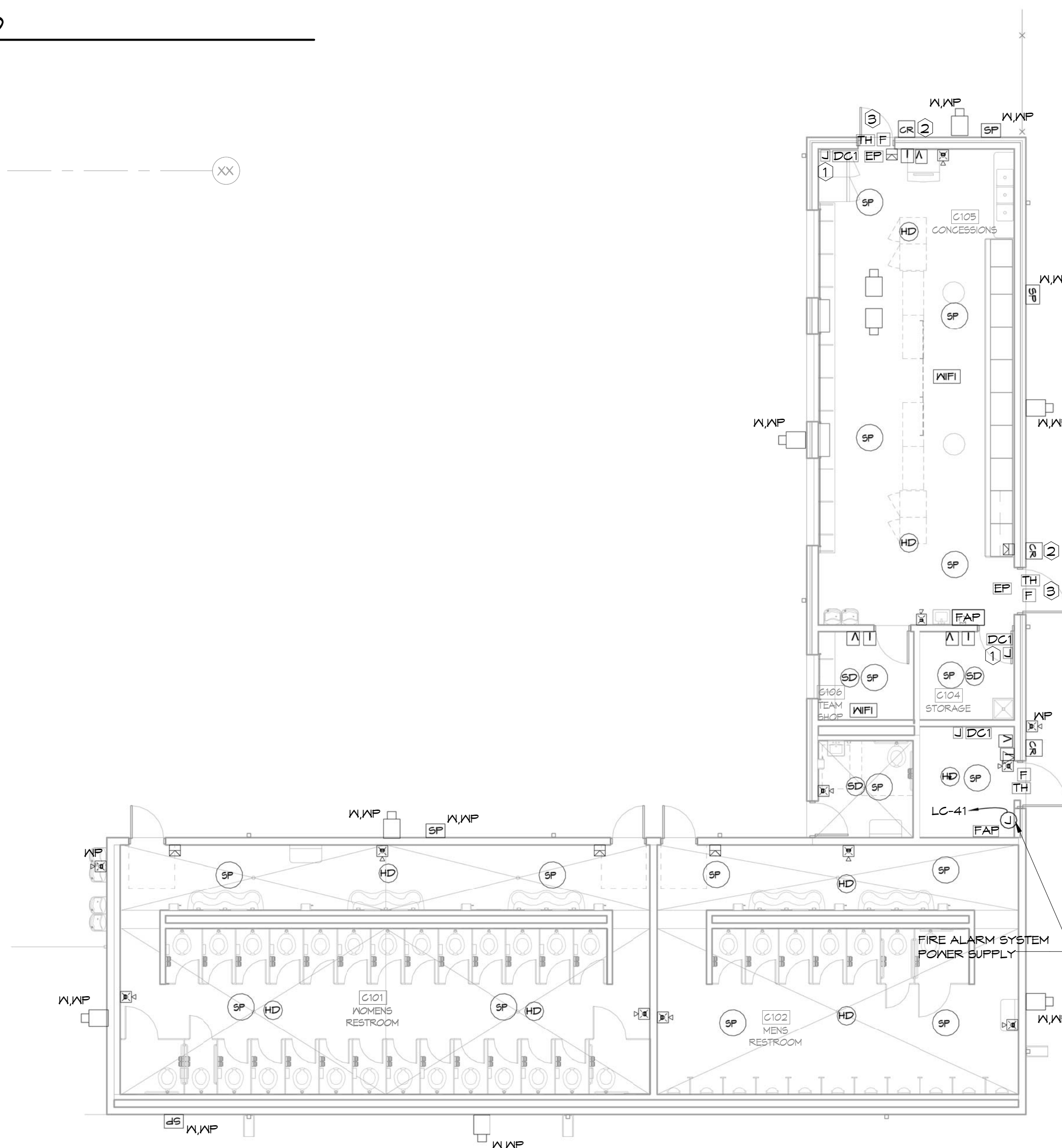
GENERAL SPECIAL SYSTEMS NOTES

1. SEE GENERAL NOTES ON E1.1 FOR ADDITIONAL SPECIAL SYSTEMS NOTES.

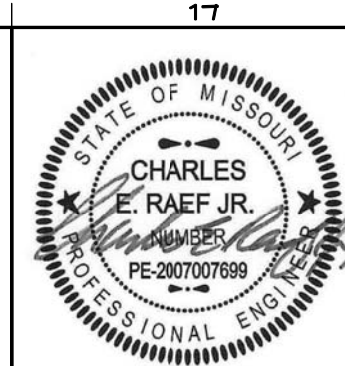
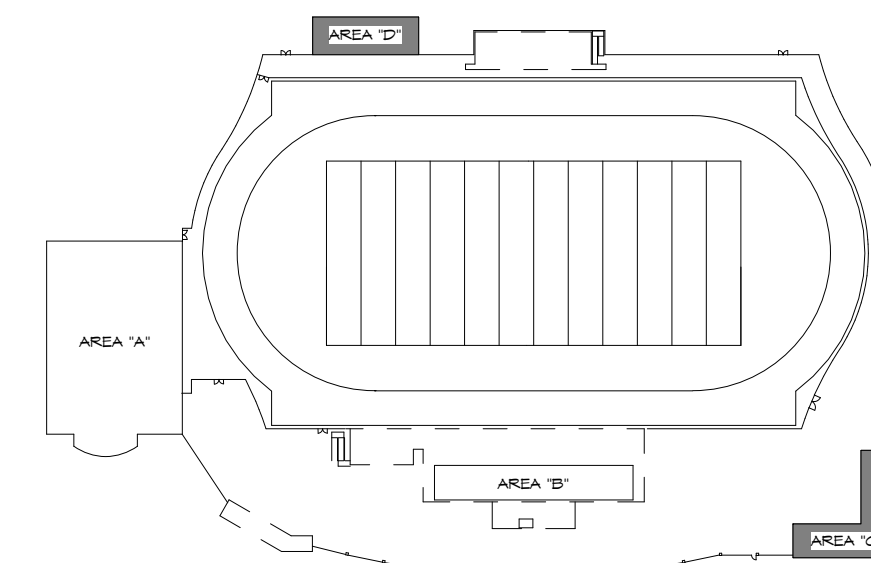
KEYED SPECIAL SYSTEMS NOTES

- ① PROVIDE JUNCTION BOX AND WIRE FOR INSTALLATION OF ACCESS CONTROL EQUIPMENT.
② FUNCTIONAL CARD ACCESS DOOR, LOCK AND ANY NECESSARY LOCK RELATED EQUIPMENT TO BE PROVIDED AND INSTALLED BY DIVISION 8 CONTRACTOR.
③ DOOR TO BE CONTROLLED BY CARD READER AND SMS.

XX-----XX



2 CONCESSIONS STAND SPECIAL SYSTEMS PLAN - AREA C
1/8" = 1'-0"



Hight Jackson
ASSOCIATES
5201 Village Parkway, Suite 300 | Rogers, Arkansas 72758 | (479) 464-4665 | www.hjarch.com

CARTHAGE R-9 SCHOOL DISTRICT
CARTHAGE STADIUM COMPLEX
CARTHAGE, MO

DRAWN BY:
E.S.
CHECK BY:
C.E.R.
ISSUE DATE:
2/29/2016

PROJECT NO.
1365

REVISION DATES

DATE DESCRIPTION

HSA Engineering
479 / 452 / 8922 office
5701 Euper Lane, Ste A
Fort Smith, AR 72903
HSAConsultants.com

SHEET
SS2.1C
COPYRIGHT 2016
THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF HIGHT JACKSON ASSOCIATES P.A. USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT