

Project #: 2754-19597
Project Name: Browning Sportsplex

Schedule Path Impact: na
Workdays (M-F) Required:

[illegible]

Proposal



P.O. Box 5390
Kalispell, MT 59903
Office (406) 756-1100
Fax (406) 756-1700

To: Browning Public Schools
Attn: Mike Guelff
Date: 9/8/2021
Regarding: Browning Sports Plex Copper Network Cabling

Network Cabling

Scope of work:

Systems Northwest shall provide labor and material to install cat 6 network cabling in the grandstand and the softball buildings as identified in the attached marked up drawings. Installation includes riser rated cat 6 cable, a new 48 port patch panels, cat 6 jacks, and cable supports.

Once installed and terminated the cables will be labeled at each end and tested to industry standards.

Total Cost:	\$15,506.00
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Quotation Notes:

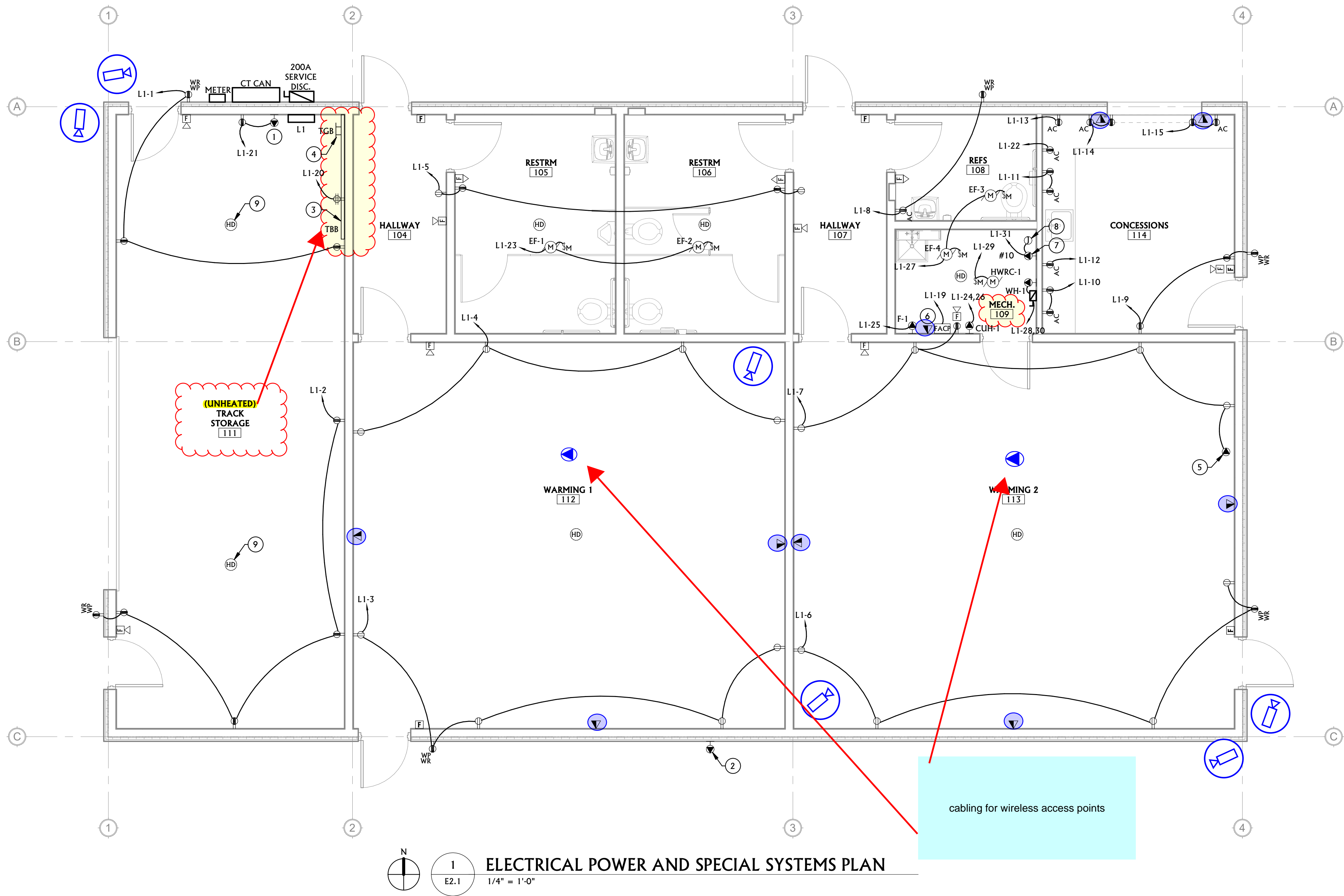
- **Cabling for all exterior camera locations will be terminated on the inside of the building in proximity of camera locations identified.**
- **Excludes network rack electronics.**
- **Cat 6 patch panels will mount in network equipment cabinets provided in previously approved scope of work.**
- **Pricing includes all shipping and handling cost.**
- **Work to be completed during normal business hours.**

If our pricing is accepted, please circle price values for materials and labor if needed, sign, date and return via fax to 406-756-1700 or email office@snwmt.com

Date Accepted	
Company Name	
Company Representative	

Respectfully,

Systems Northwest



ELECTRICAL POWER GENERAL NOTES	
A	REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION ON DEVICE LOCATIONS, DIMENSIONS, ETC. CAREFULLY EXAMINE ARCHITECTURAL FLOOR PLANS, CEILING PLANS, ELEVATIONS, ETC. FOR INFORMATION THAT AFFECTS ELECTRICAL WORK. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ELECTRICAL PLANS.
B	FIRE SEAL ALL PENETRATIONS IN FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL FOR LOCATIONS.

ELECTRICAL KEYNOTES	
1	PROVIDE POWER CONNECTION FOR TIMECLOCK. SEE DETAIL.
2	PROVIDE POWER CONNECTION FOR SCOREBOARD. COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECTURAL PRIOR TO ROUGH-IN. COORDINATE ALL REQUIREMENTS INCLUDING, BUT NOT LIMITED TO: VOLTAGE, PHASE, AMPS, ETC. WITH SCOREBOARD PROVIDER PRIOR TO ROUGH-IN.
3	PROVIDE TELECOMMUNICATIONS BACKBOARD. USE 3/4" FIRE RESISTANT PLYWOOD. SECURE TO FRAMING. PAINT TO MATCH WALLS.
4	PROVIDE TELECOMMUNICATIONS GROUND BAR. USE 2"x1/2"x1/4" COPPER WITH STANDOFFS. CONNECT TO PANEL 'L1' WITH #6AWG GROUND WIRE.
5	PROVIDE POWER CONNECTION FOR MOTORIZED DAMPER. COORDINATE LOCATION AND REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN.
6	PROVIDE (2) COMMUNICATIONS CONNECTIONS FOR FIRE ALARM CONTROL PANEL. PROVIDE FIRE ALARM COMMUNICATOR AT PANEL. COORDINATE TYPE(S) AND CONNECTIONS WITH OWNER AND AHJ.
7	PROVIDE RAYCHEM #ECW-GF CONTROLLER WITH ASSOCIATED TEMPERATURE SENSOR FOR HEAT TAPE. COORDINATE CONTROLLER LOCATION WITH ARCHITECTURAL PRIOR TO ROUGH-IN.
8	PROVIDE APPROXIMATELY 100' OF RAYCHEM #XL-TRACE CABLE FOR FREEZE PROTECTION OF WATER PIPING. PROVIDE JUNCTION BOX FOR HEAT TAPE SPLICE POINT. COORDINATE HEAT TAPE LOCATIONS WITH PLUMBING PRIOR TO ROUGH-IN. COORDINATE REQUIREMENTS WITH HEAT TAPE MANUFACTURER PRIOR TO ROUGH-IN.
9	PROVIDE ROUGH SERVICE TYPE HEAT DETECTOR. PROVIDE ADDRESSABLE MODULES LOCATED IN MECHANICAL ROOM.

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www.lpwarehitecture.com

PHONE | 406.771.0770

15 FIFTH ST. SOUTH
GREAT FALLS | MT 59401

JOHN PATRICK
KNOLL
13431 PE
04/10/2020
LICENSED PROFESSIONAL ENGINEER

ACE INC.

ASSOCIATED • CONSTRUCTION • ENGINEERING

3860 O'LEARY STREET SUITE B
MISSOULA, MT 59808
406-546-4160
ACE JOB 19H54937.004

BHS SPORTS COMPLEX
WARMING/CONCESSIONS BUILDING
BROWNING, MT

ELECTRICAL POWER AND SPECIAL SYSTEMS PLAN

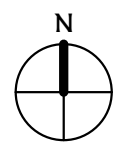
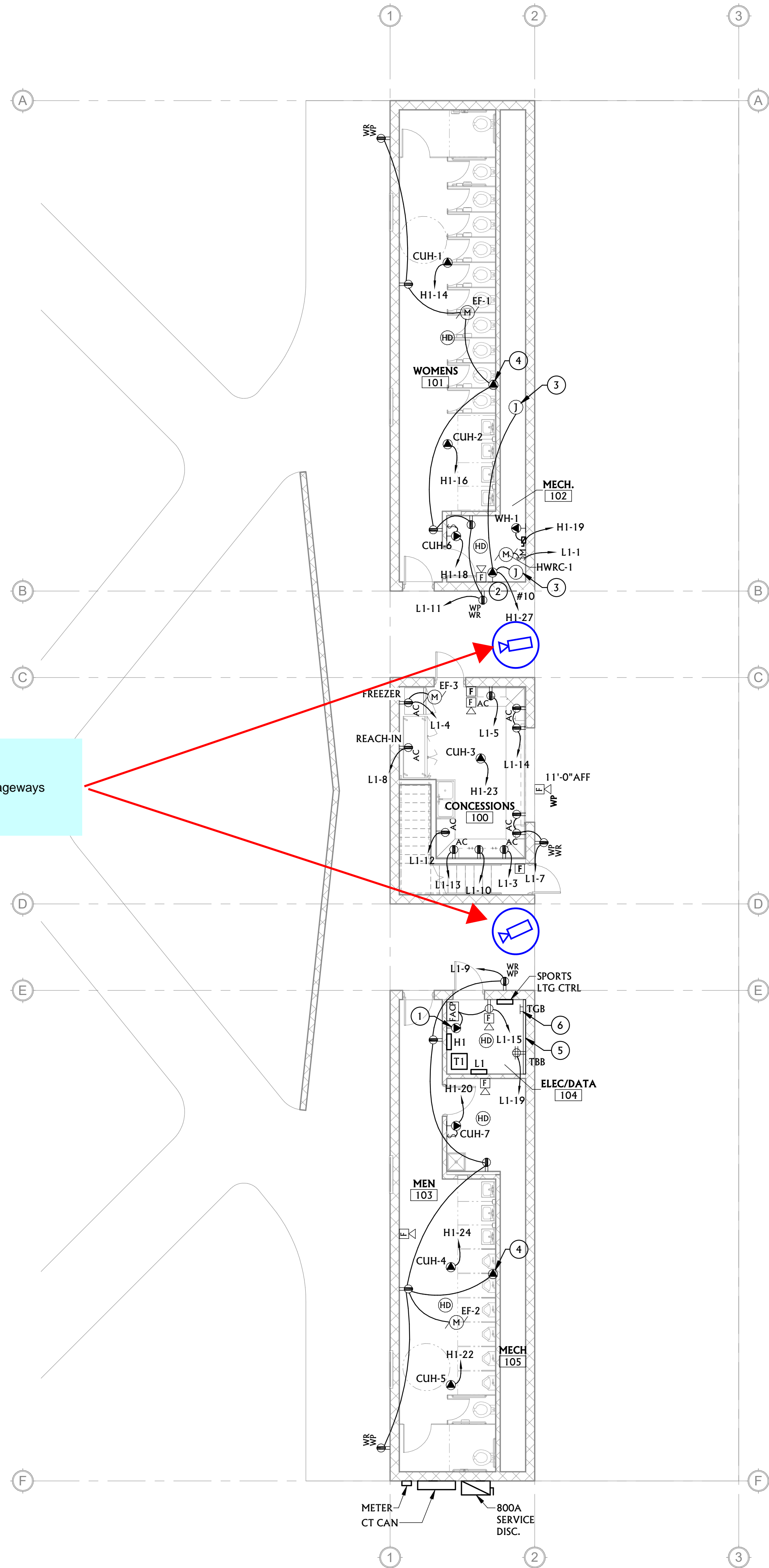
Revision Schedule		
No.	Revision	Date

Submital Schedule		
No.	Submital	Date
1	Review Set	04-02-20
2	Bid Set	04-10-20

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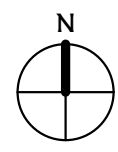
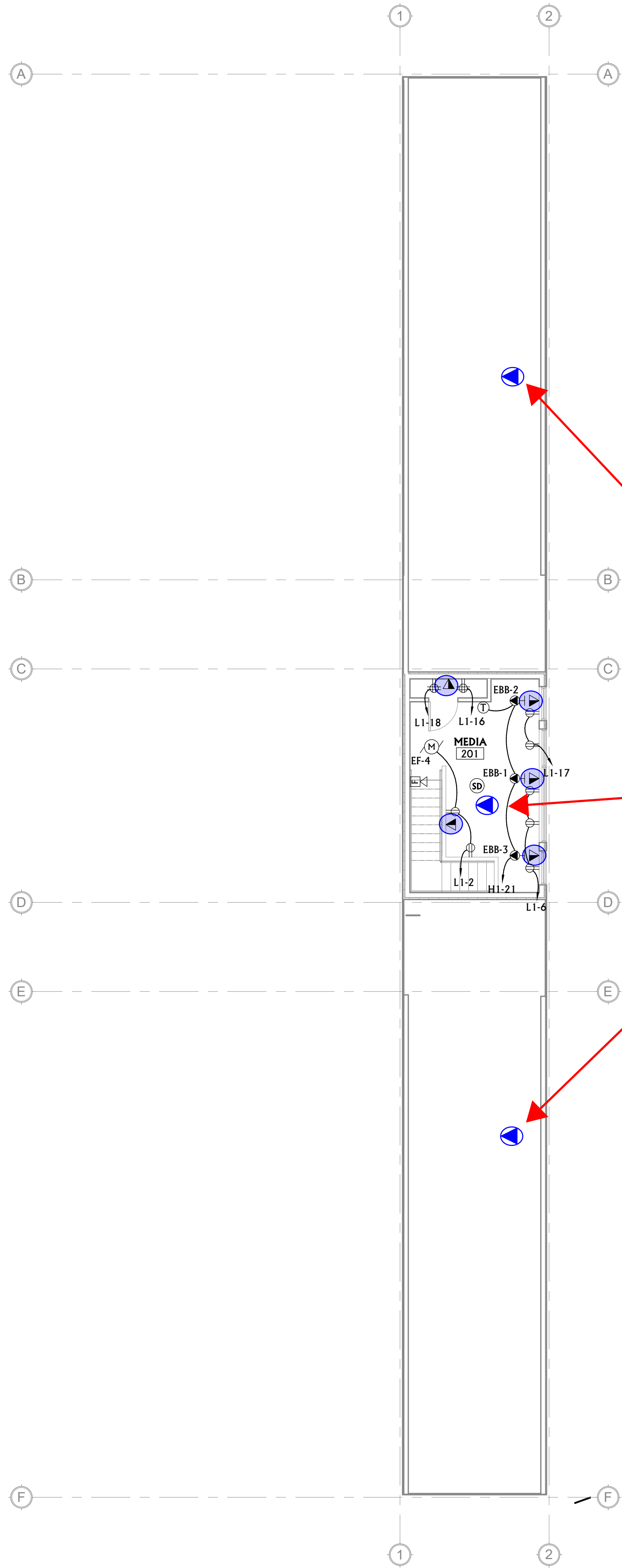
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CHECKED BY:	PK
DATE:	4/10/2020
PROJECT NUMBER:	17-054
SHEET NUMBER:	E2.1

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1
E2.1

MAIN LEVEL ELECTRICAL POWER AND SPECIAL SYSTEMS PLAN
1/8" = 1'-0"



2
E2.1

UPPER LEVEL ELECTRICAL POWER AND SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

ELECTRICAL POWER GENERAL NOTES

A	REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION ON DEVICE LOCATIONS, DIMENSIONS, ETC. CAREFULLY EXAMINE ARCHITECTURAL FLOOR PLANS, CEILING PLANS, ELEVATIONS, ETC. FOR INFORMATION THAT AFFECTS ELECTRICAL WORK. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ELECTRICAL PLANS.
B	FIRE SEAL ALL PENETRATIONS IN FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL FOR LOCATIONS.

ELECTRICAL KEYNOTES

1	PROVIDE POWER CONNECTION FOR TIMECLOCK. SEE DETAIL.
2	PROVIDE RAYCHEM #ECW-GF CONTROLLER WITH ASSOCIATED TEMPERATURE SENSOR FOR HEAT TAPE. COORDINATE CONTROLLER LOCATION WITH ARCHITECTURAL PRIOR TO ROUGH-IN.
3	PROVIDE 310' OF RAYCHEM #XL-TRACE CABLE FOR FREEZE PROTECTION OF WATER PIPING. PROVIDE JUNCTION BOX FOR HEAT TAPE SPLICE POINT. COORDINATE HEAT TAPE LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN. COORDINATE REQUIREMENTS WITH HEAT TAPE MANUFACTURER PRIOR TO ROUGH-IN.
4	PROVIDE POWER CONNECTION FOR FLUSH VALVE TRANSFORMER. COORDINATE LOCATION AND REQUIREMENTS WITH PLUMBING PRIOR TO ROUGH-IN.
5	PROVIDE TELECOMMUNICATIONS BACKBOARD. USE 3/4" FIRE RESISTANT PLYWOOD. SECURE TO FRAMING. PAINT TO MATCH WALLS.
6	PROVIDE TELECOMMUNICATIONS GROUND BAR. USE 2"x12"x1/4" COPPER WITH STANDOFFS. CONNECT TO PANEL 'L1' WITH #6AWG GROUND WIRE.

Cabling for cameras in passageways

cabling for wireless access points

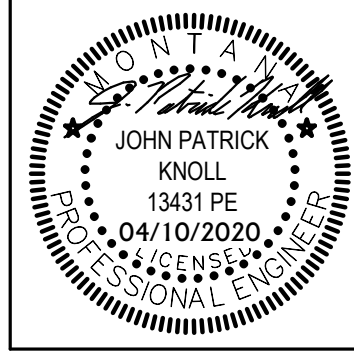
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PHONE | 406.771.0770

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ACE JOB 19454937

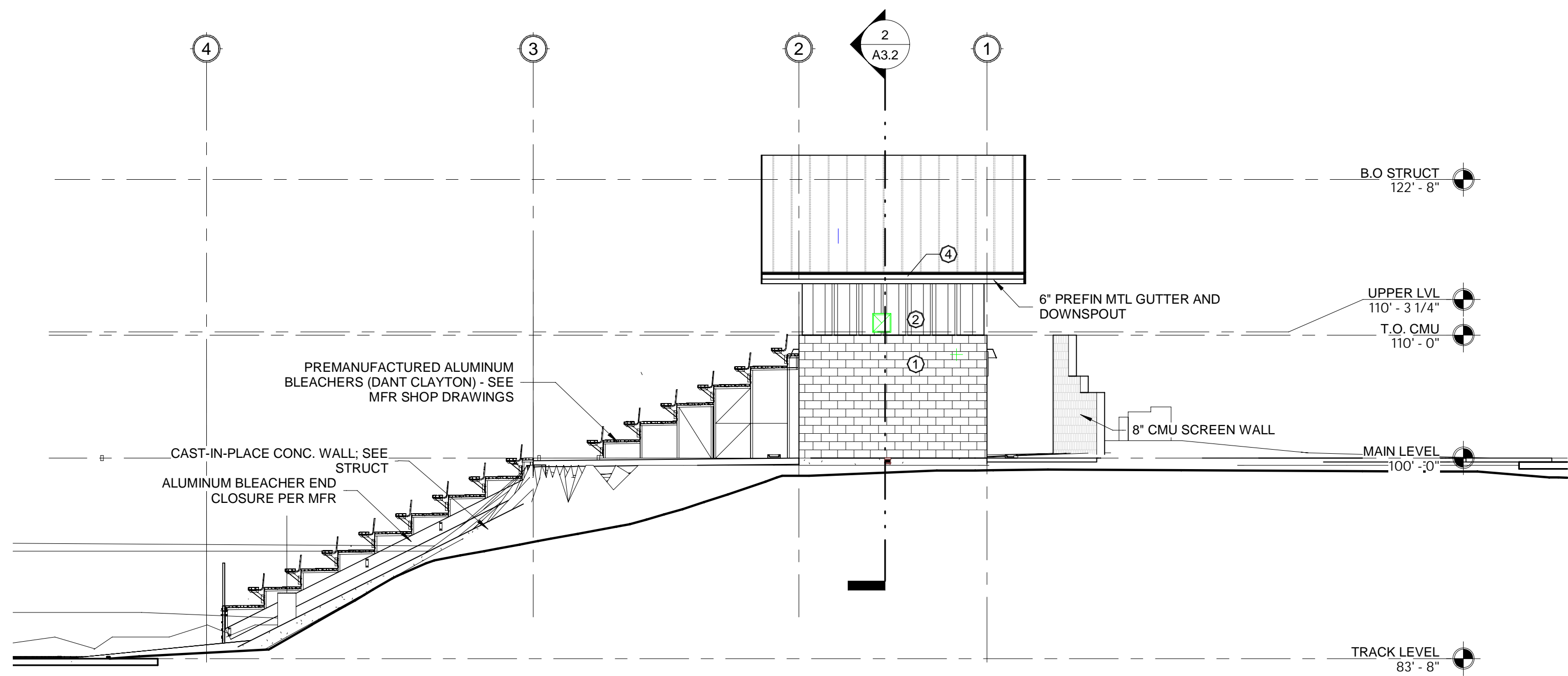
BHS SPORTS COMPLEX
BROWNING, MT
ELECTRICAL POWER AND SPECIAL SYSTEMS PLAN

Revision Schedule		
No.	Revision	Date

Submital Schedule		
No.	Submital	Date
1	100% DD Set	12-20-19
2	Review Set	04-02-20
3	Bid Set	04-10-20

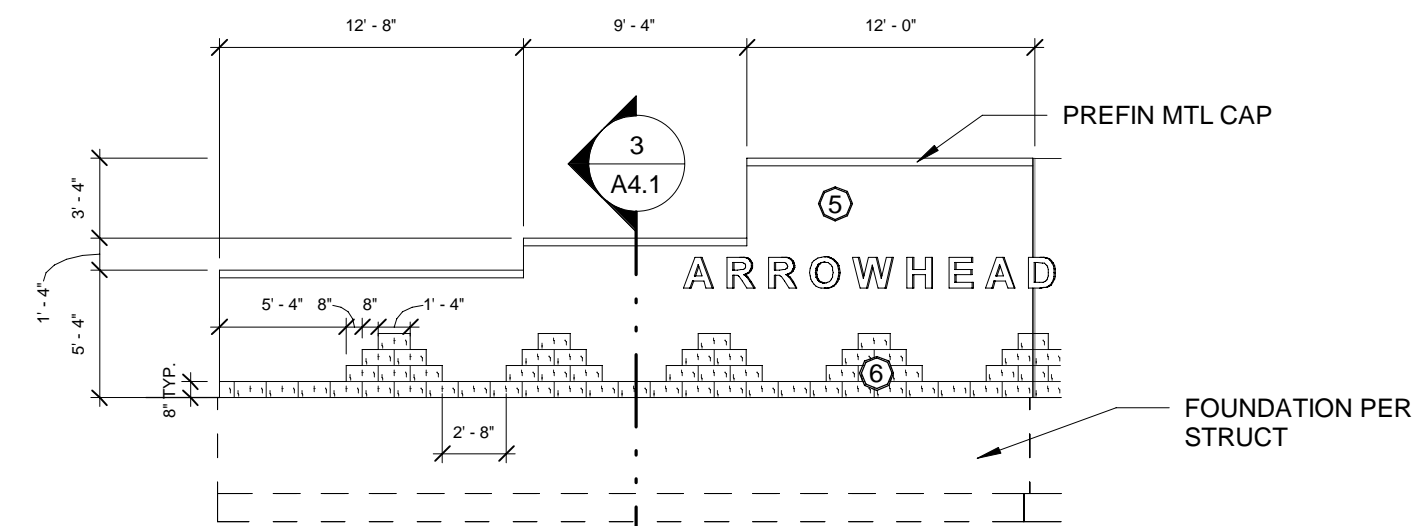
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SHEET NUMBER:	E2.1

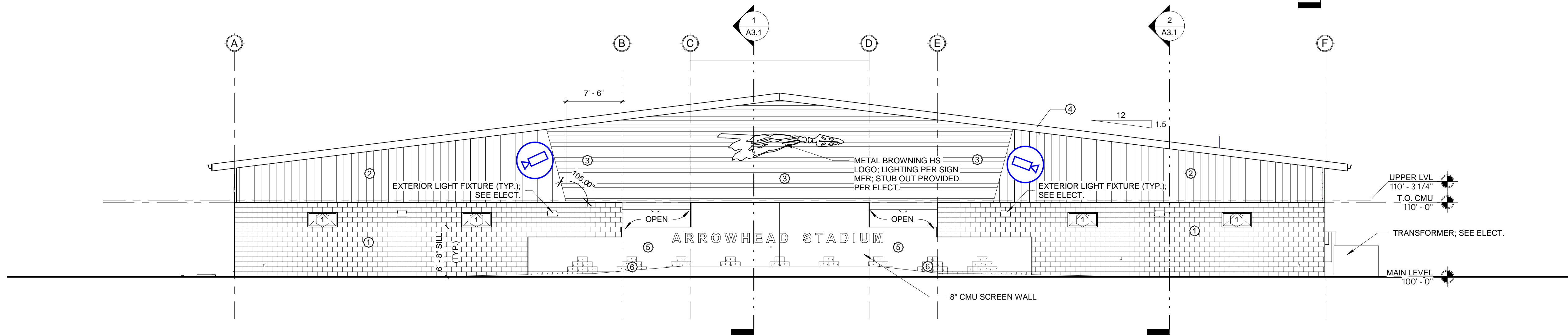


1 NORTH ELEVATION
1/8" = 1'-0"

Exterior Finish Schedule		
Key Name	Name	Description
1	12" HIGH-R CMU BLOCK	COLOR: SABLE
2	VERTICAL PREFIN CORR MTL PANEL	COLOR 1 (PARCHMENT)
3	HORIZ PREFIN CORR MTL PANEL	COLOR 2 (PATRIOT RED)
4	PREFIN MTL FASCIA	BLACK
5	8" CMU SCREEN WALL	COLOR: WINTER SKY
6	8" SPLIT FACE CMU ACCENT	COLOR: SABLE



3 SCREEN WALL ELEVATION (TYP)
1/8" = 1'-0"



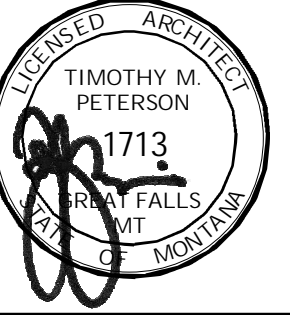
2 WEST ELEVATION
1/8" = 1'-0"

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BHS NEW SPORTSPLEX - Phase II

105 US HWY 89

BROWNING, MT

EXTERIOR ELEVATIONS

Revision Schedule		
No.	Revision	Date

Submittal Schedule		
No.	Submittal	Date
1	100% DD	12-20-18
2	BID SET	4-10-20

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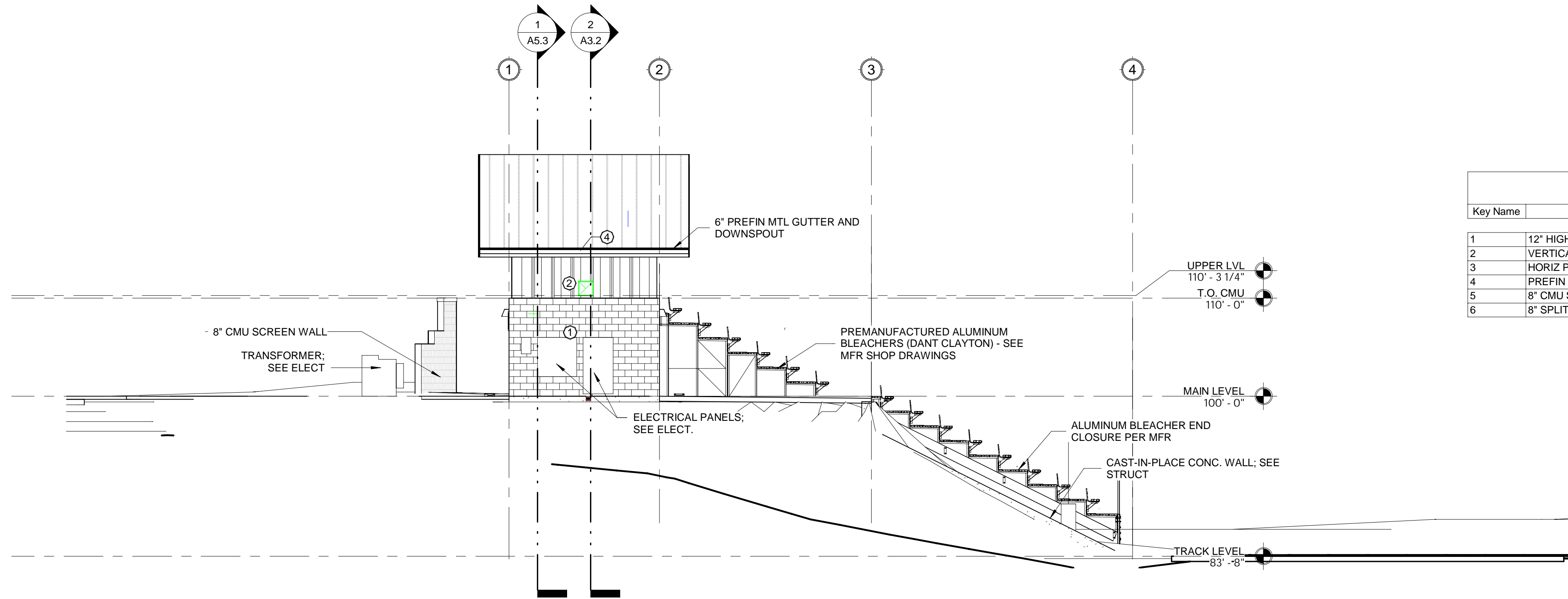
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DATE: 4-10-20

PROJECT NUMBER: 17-054

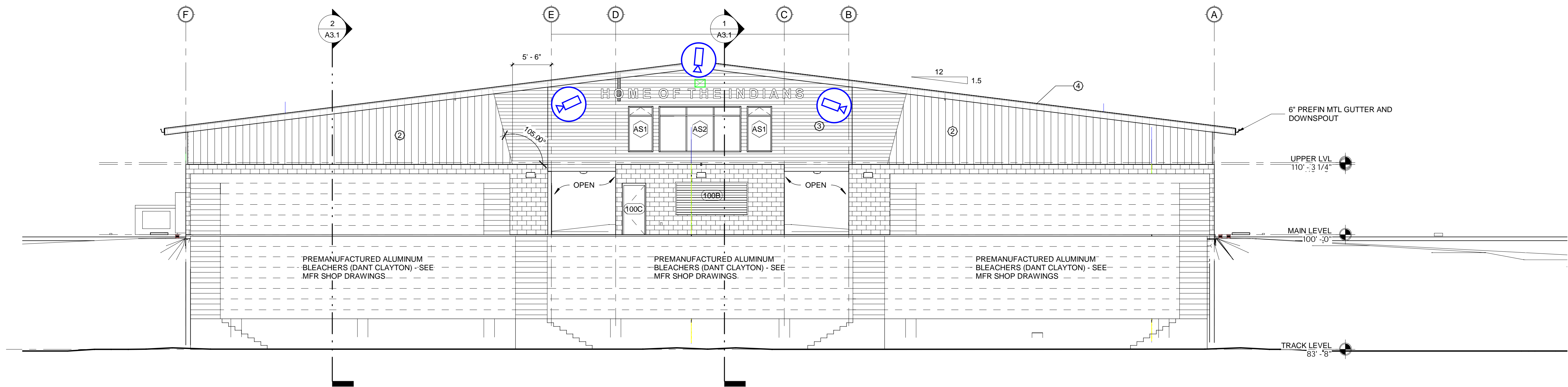
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Exterior Finish Schedule		
Key Name	Name	Description
1	12" HIGH-R CMU BLOCK	COLOR: SABLE
2	VERTICAL PREFIN CORR MTL PANEL	COLOR 1 (PARCHMENT)
3	HORIZ PREFIN CORR MTL PANEL	COLOR 2 (PATRIOT RED)
4	PREFIN MTL FASCIA	BLACK
5	8" CMU SCREEN WALL	COLOR: WINTER SKY
6	8" SPLIT FACE CMU ACCENT	COLOR: SABLE

2 SOUTH ELEVATION
1/8" = 1'-0"



1 EAST ELEVATION
1/8" = 1'-0"

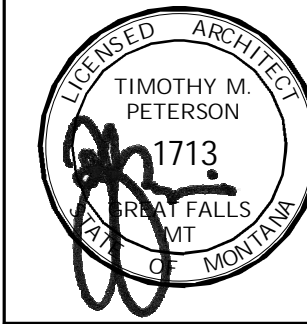
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BHS NEW SPORTSPLEX - Phase II

105 US HWY 89

BROWNING, MT

EXTERIOR ELEVATIONS

Revision Schedule		
No.	Revision	Date

Submittal Schedule		
No.	Submittal	Date
1	100% DD	12-20-18
2	BID SET	4-10-20

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DATE:	4-10-20
PROJECT NUMBER:	17-054
SHEET NUMBER:	A6.2

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Project #: 2754-19597
Project Name: Browning Sportsplex

Schedule Path Impact: na
Workdays (M-F) Required:

[illegible]

Project #: 2754-19597
Project Name: Browning Sportsplex

Schedule Path Impact: na
Workdays (M-F) Required:

[illegible]

Project #: 2754-19597
Project Name: Browning Sportsplex

SCC TOTALS:	0
SUBCON TOTALS:	11,379
INSURANCE:	59
BOND:	63
SUBTOTAL:	11,501
OH AND PROFIT:	920
MT GRT:	124
TRIBAL FEES:	869
TOTAL:	13,414

[illegible]

Proposal



P.O. Box 5390
Kalispell, MT 59903
Office (406) 756-1100
Fax (406) 756-1700

To: Browning Public Schools
Attn: Everett Holm
Date: 8/12/2021
Regarding: Browning High School R1

Fiber Optic infrastructure

Scope of work:

Systems Northwest shall provide labor and material to install a 6 Strand Single Mode fiber infrastructure from the HS IT room out to the Sports Complex and Softball building. Installation includes indoor/outdoor fiber optic cable, a new wall mounted Cabinet in each outbuilding, fiber optic patch panels, fiber bulk heads, fusion splice LC pigtails and LC patch cables.

Once installed and terminated the fiber will be labeled at each end and tested to industry standards.

Total Cost: \$11,379.00

Quotation Notes:

- It is assumed the HS IT room has an existing network rack with room for a 1U fiber patch panel.
- Existing conduit between buildings must be complete, intact, and usable.
- Pricing includes all shipping and handling cost.
- Work to be completed during normal business hours.

If our pricing is accepted, please circle price values for materials and labor if needed, sign, date and return via fax to 406-756-1700 or email office@snwmt.com

Date Accepted	
Company Name	
Company Representative	

Respectfully,

A handwritten signature in black ink that reads "Pete Kushner".

Systems Northwest