HALLSVILLE LOCKER ROOM

421 MO-124 E, HALLSVILLE, MO 65255

FOR:

HALLSVILLE R-IV HIGH SCHOOL DISTRICT

BY A/E TEAM:

KLINGNER & ASSOCIATES P.C.
3622 Endeavor Ave, Suite 117
Columbia, Missouri 65201
Phone: (573) 355-5988

LOCATION MAP

GENERAL NOTES

1. THE CONTRACTOR(S) SHALL CONFIRM CONDITIONS DESCRIBED HEREIN AND TELL THE ARCHITECT OF ANY DISCREPANCIES AND INTERFERENCES ENCOUNTERED PRIOR TO STARTING WORK AFFECTED THEREBY.
2. THE CONTRACTOR(S) SHALL FIELD VERIFY EXISTING DIMENSIONS AND CONDITIONS AND TELL THE ARCHITECT OF ANY DISCREPANCIES AND INTERFERENCES ENCOUNTERED PRIOR TO STARTING WORK AFFECTED THEREBY.
3. THE CONTRACTOR(S) SHALL MEET ALL APPLICABLE CODES INCLUDING BUT NOT LIMITED TO:
   2015 INTERNATIONAL BUILDING CODE
   2015 INTERNATIONAL RESIDENTIAL CODE
   2015 INTERNATIONAL EXISTING BUILDING CODE
   2015 INTERNATIONAL FIRE CODE
   2014 NATIONAL ELECTRIC CODE
   2015 INTERNATIONAL MECHANICAL CODE
   2015 UNIFORM PLUMBING CODE
   2015 INTERNATIONAL ENERGY CONSERVATION CODE
   2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
4. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR OSHA COMPLIANCE AND JOB SITE SAFETY.
5. CONTRACTOR(S) SHALL VERIFY LOCATIONS OF ALL UTILITIES (TELEPHONE, DATA, GAS, ELECTRIC, SANITARY AND STORM SEWERS, ETC.) AT THE SITE BEFORE STARTING EXCAVATION OR CONSTRUCTION. THESE ITEMS SHALL BE MARKED AND PROTECTED.
6. THE CONTRACTOR(S) SHALL REPORT ANY SUSPICIOUS MATERIALS (POTENTIALLY HAZARDOUS) AT THE SITE IMMEDIATELY TO THE OWNER FOR HIS/HER FURTHER ACTION. UNLESS NOTED SPECIFICALLY ON THE DRAWINGS OR PROJECT MANUAL, THE ARCHITECT/ENGINEER IS NOT AWARE OF ANY HAZARDOUS MATERIALS AND HAS NOT BEEN HIRED BY THE OWNER TO DEAL WITH SUCH.
7. CONTRACTOR(S) SHALL TAKE PRECAUTIONS NECESSARY TO PROTECT ADJACENT PROPERTY FROM DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS.
8. THE CONTRACTOR(S) SHALL SUBMIT EVIDENCE OF INSURANCE TO OWNER AND HAVE IT APPROVED AS ACCEPTABLE TO OWNER PRIOR TO STARTING WORK. OWNER AND ARCHITECT SHALL BE NAMED AS ADDITIONAL INSURED.

SHEET INDEX

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REVISION HISTORY

	DESCRIPTION	DATE	APPR

ISSUED FOR **09/04/2024**

SCHEMATIC DESIGN

PRELIMINARY NOT FOR CONSTRUCTION

HALLSVILLE LOCKER ROOM

HALLSVILLE R-IV HIGH SCHOOL DISTRICT
421 MO-124 E, HALLSVILLE, MO 65255

Non-Reduced Sheet Size 24" x 36"

Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED	DRAWN
JRT	JRT
FIELD	FIELD BOOK
CHECKED KMF	CHECK DATE

SHEET TITLE

TITLE SHEET

PROJECT NO. **24-5008**

DRAWING ISSUED DATE: **09/04/2024**

SHEET

G001

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GENERAL NOTES

1. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
2. ANY DISCREPANCIES BETWEEN SPECIFICATIONS, DRAWINGS, AND/OR SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
3. ALL AREAS DESIGNATED TO REMAIN UNDISTURBED SHALL BE PROTECTED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE LOCATION OF ALL PROPOSED IMPROVEMENTS, INCLUDING ROUGH AND FINISHED ELEVATIONS AND ALL OTHER PROPOSED IMPROVEMENTS INDICATED ON THE DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY THAT ALL APPLICABLE LOCAL, STATE, & FEDERAL CODES ARE FOLLOWED. ALL APPLICABLE LOCAL AND STATE NOTIFICATIONS AND PERMITS SHALL BE ACQUIRED PRIOR TO CONSTRUCTION, INCLUDING ALL NECESSARY UTILITY CONNECTION PERMITS FROM THE RESPECTIVE UTILITIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND SERVICES REQUIRED DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL REFERENCE POINTS, BENCHMARKS, MONUMENTS, STAKES, AND PROPERTY CORNERS DURING CONSTRUCTION. REPLACEMENT OF LOST REFERENCE POINTS SHALL BE AT THE CONTRACTORS EXPENSE.
8. REMOVE ALL STRUCTURES, FOUNDATIONS, WALLS, PAVEMENTS, AND ALL OTHER ITEMS IN CONFLICT WITH PROPOSED IMPROVEMENTS IN ACCORDANCE WITH THE SPECIFICATIONS.
9. REFERENCES TO "STANDARD SPECIFICATIONS" SHALL MEAN THE MISSOURI DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", LATEST ADDITION.
10. THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. NO WORK SHALL BE PERFORMED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT OWNER APPROVAL.
12. SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. SIDEWALKS, PARKING LOTS. ROADWAYS, AND THE PROJECT SITE SHALL BE KEPT CLEAN AT ALL TIMES. CONTROL DUST IN AND AROUND ALL WORK AND STAGING AREAS.
13. ALL OPEN EXCAVATIONS SHALL BE PROTECTED.
14. MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
15. IF A DISCREPANCY IN THE SPOT ELEVATIONS IS NOTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTING. IF THERE IS A DISCREPANCY BETWEEN THE SPOT ELEVATIONS AND CONTOURS, THE CONTOURS SHALL GOVERN.
16. IF SOIL OR GROUNDWATER IS ENCOUNTERED WHICH EMITS A PETROLEUM ODOR OR IS DISCOLORED THE CONTRACTOR SHALL STOP EXCAVATION AND NOTIFY THE OWNER IMMEDIATELY. THE OWNER WILL COORDINATE ENVIRONMENTAL EFFORTS TO HANDLE THE IMPACTED SOIL OR GROUNDWATER IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL TAKE APPROPRIATE ACTION TO ENSURE PUBLIC AND EMPLOYEE SAFETY.

GRADING NOTES

1. TOPSOIL SHALL BE STRIPPED TO A DEPTH OF 6 INCHES WITHIN THE GRADING LIMITS AND STOCKPILED ON SITE FOR USE IN FINAL GRADING (COORDINATE WITH OWNER). IF ACCEPTABLE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE IT TO A DEPTH OF 6 INCHES.
2. TOPSOIL SHALL BE LOAMY IN NATURE, FREE FROM HARD CLODS, STIFF CLAY, SOD, STONES, ROOTS, STICKS, AND OTHER DEBRIS OVER 1 INCH IN SIZE. TOPSOIL SHALL BE FREE OF TOXIC MATERIALS AND SHALL HAVE A pH RANGE BETWEEN 5.5 AND 7.0.
3. ALL EXCESS MATERIALS NOT USED FOR CONSTRUCTION OF THE PROJECT SHALL BE DISPOSED OFF SITE BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
4. PROPOSED CONTOURS ARE INTENDED TO PROVIDE A MIN. 1% SLOPE IN PAVEMENT AREAS AND 2% IN TURFED AREAS. CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING A SMOOTH UNIFORM DRAINING SURFACE THAT DOES NOT CREATE PONDING WATER OR SHARP BREAKS. CONTOURS OR ELEVATIONS THAT WILL NOT PROVIDE SUCH SURFACE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER/ARCHITECT IMMEDIATELY.
5. FINAL ELEVATIONS INDICATED ARE THE FINISHED SURFACE ELEVATIONS, WHETHER GRASS, CONCRETE, PAVEMENT, OR MULCH. THE CONTRACTOR SHALL COORDINATE SUBGRADE ELEVATIONS TO ALLOW FOR PAVEMENT, CONCRETE OR MULCH DEPTHS.
6. ALL DISTURBED AREAS NOT WITHIN PAVEMENT & LANDSCAPE AREAS SHALL BE SEEDED PER THE SPECIFICATIONS. THE AREAS INDICATED TO BE SEEDED ON THIS PLAN ARE ESTIMATED DISTURBED AREAS. DISTURBED AREAS OUTSIDE OF THOSE INDICATED SHALL BE SEEDED REGARDLESS OF THE LIMITS INDICATED.
7. SLOPES 4:1 AND STEEPER SHALL RECEIVE A TEMPORARY EROSION CONTROL BLANKET. PROVIDING PROTECTION FOR UP TO 12 MONTHS IN ACCORDANCE WITH SECTION 806 OF THE MoDOT STANDARD SPECIFICATIONS.

EROSION CONTROL NOTES

1. EROSION CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, THE DETAILS IN THESE PLANS, AND THE MISSOURI DEPARTMENT OF NATURAL RESOURCES STANDARDS AND REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL.
2. THE EROSION CONTROL SHOWN ON THIS SET OF PLANS SHALL BE CONSIDERED THE MINIMUM ACCEPTABLE FOR THIS PROJECT. THERE MAY BE ADDITIONAL EROSION CONTROL REQUIRED DUE TO THE VARIOUS CONSTRUCTION TECHNIQUES, WHICH MAY BE USED. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AND MAINTAINING ALL THE RUNOFF FROM THE SITE, IN A MANNER WHICH KEEPS ALL SILT ON SITE.
3. A LAND DISTURBANCE PERMIT IS CURRENTLY IN PLACE FOR THIS SITE (PERMIT #MOR100038). THE CONTRACTOR WILL BE REQUIRED TO FOLLOW THE REQUIREMENTS OF THE PERMIT AND STORM WATER POLLUTION PREVENTION PLAN IN THE CONTRACT DOCUMENTS.
4. ALL INLET PROTECTION AND TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF PAVING OPERATIONS AND FINAL STABILIZATION OF LANDSCAPED AND SEED AREAS.

PAVEMENT NOTES

1. PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION.
2. PROOF-ROLL SUBGRADE WITH A MINIMUM 25 TON G.V.W. TRUCK TO IDENTIFY AREAS OF SOFT OR UNSTABLE SUBGRADE. REMOVE AND REPLACE UNSTABLE AREAS WITH SUITABLE COMPACTED MATERIALS.
3. PAVEMENT MARKING SHALL NOT BEGIN UNTIL PAVEMENT SURFACE HAS BEEN POWER BROOMED AND HAND SWEPT AS NECESSARY TO REMOVE LOOSE MATERIALS AND DIRT; AND NOT BEFORE ADEQUATE CURING TIME HAS BEEN OBTAINED ON THE PAVEMENT.
4. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, EDGE OF BUILDING, OR PROPERTY LINES UNLESS OTHERWISE NOTED. ALL RADII ARE TO EDGE OF PAVEMENT.

UTILITY NOTES

1. THE LOCATION OF EXISTING UTILITIES IN CONSTRUCTION AREAS SHALL BE FIELD VERIFIED BY THE CONTRACTOR BY CONTACTING THE MISSOURI ONE CALL SYSTEM, INC. OR THE INDIVIDUAL UTILITIES NOT PARTICIPATING IN THIS SYSTEM. EXISTING UTILITIES TO REMAIN SHALL BE PROTECTED. ANY REPAIR OR RELOCATION REQUIRED, AS A RESULT OF DAMAGE BY CONSTRUCTION ACTIVITIES SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PAY UTILITY PERMIT AND/OR INSPECTION FEES.
2. UTILITY TRENCHES WITHIN PAVEMENT AREAS SHALL BE BACKFILLED WITH APPROVED COMPACTED GRANULAR BACKFILL.
3. ALL ELECTRIC SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, CURRENT VERSION.
4. ADJUST ALL VALVES, MANHOLES, CASTINGS, GAS VENTS, ETC., TO MATCH THE NEW SURFACE. ADJUSTMENT SHALL BE COORDINATED WITH THE UTILITY COMPANIES AND THE COST FOR ALL ADJUSTMENTS SHALL BE INCIDENTAL TO THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. REPAIR ANY DAMAGE TO SAID STRUCTURES AND APPURTENANCES THAT OCCUR DURING CONSTRUCTION.
5. THE DRAWINGS INDICATE THE BEST KNOWLEDGE OF THE OWNER AND ENGINEER/ARCHITECT ON THE GENERAL LOCATION AND NATURE OF THE EXISTING AND OR PROPOSED UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION. EXPLORATORY EXCAVATIONS AT THE SITE TO DETERMINE INSITU LOCATIONS WERE NOT CONDUCTED. QUALITY LEVEL C IN ACCORDANCE WITH CI/ASCE 38-02, STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA, WAS UTILIZED. REGARDLESS OF THE LEVEL OF INVESTIGATION, THE UTILITIES SHOWN SHOULD NOT BE CONSIDERED A WARRANTY OR GUARANTEE OF ACTUAL PRESENCE OR LOCATION AND THE CONTRACTOR REMAINS RESPONSIBLE FOR THE LOCATION, VERIFICATION, AND PROPER NOTIFICATION OF POTENTIAL UTILITIES.

QUALITY LEVELS:

QUALITY LEVEL A - PROVIDES THE HIGHEST LEVEL OF ACCURACY. BY LOCATING OR POTHOLING UTILITIES IN ADDITION TO QUALITY LEVELS B, C, AND D TASKS. THE LOCATED UTILITY INFRASTRUCTURE IS SURVEYED AND MAPPED TO DEVELOP PLAN AND PROFILE INFORMATION.

QUALITY LEVEL B - INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND RECORDING THE INFORMATION THROUGH A SURVEY METHOD. IN ADDITION TO QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL C - INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. IN ADDITION TO QUALITY LEVEL D TASKS.

QUALITY LEVEL D - INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS, THAT MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICE MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASE, CONSTRUCTION PLANS, ETC. DATABASES, CONSTRUCTION PLANS, ETC.

LEGEND

EXISTING	PROPOSED	
		PROPERTY LINE
		LOT LINE
		RIGHT OF WAY LINE
		CENTERLINE
		EASEMENT
		BUILDING SETBACK
		CONSTRUCTION LIMITS
X	X	FENCE LINE
O	O	CHAIN LINK FENCE
[]	[]	FENCE W/ SQUARE POSTS
		STREAM
		STRUCTURE
		PAVEMENT MARKINGS
		EDGE OF PAVEMENT
		CURB AND GUTTER
		RAILROAD TRACKS
W W	W W	WATER LINE
FP FP	FP FP	FIRE PROTECTION
G G	G G	GAS LINE
OE OE	OE OE	OVERHEAD ELECTRIC
UE UE	UE UE	UNDERGROUND ELECTRIC
OT OT	OT OT	OVERHEAD TELEPHONE
UT	UT UT	UNDERGROUND TELEPHONE
CATV CATV	CATV CATV	CABLE TELEVISION
FO FO	FO FO	FIBER OPTIC
COM COM	COM COM	COMMUNICATION LINE
) ST)	) ST)	STORM SEWER
->SAN> ->SAN>	->SAN> ->SAN>	SANITARY SEWER
FM FM	FM FM	FORCE MAIN
	ST-SAN	COMBINED SEWER
IR IR	IR IR	IRRIGATION SYSTEM
		MAST ARM SIGNAL (3 SIGNALS)
		MAST ARM SIGNALS (2 SIGNALS)
		UTILITY TRAFFIC SIGN
		SIGN
		MANHOLE
		STORM WATER INLET
		CATCH BASIN
C/O	C/O	CLEANOUT
		CULVERT
		BOX CULVERT
		WATER VALVE
		FIRE HYDRANT
PIV	PIV	POST INDICATOR VALVE
W	W	WATER METER
		GAS VALVE
G	G	GAS METER
T	T	TELEPHONE PEDESTAL
TV	TV	CABLE TV PEDESTAL
E	E	ELECTRIC METER
		UTILITY POLE
		LIGHT STANDARD
		LIGHT POLE
		GUY WIRE
		SUMMIT / HIGH POINT
601		CONTOURS
600		INDEX CONTOURS
		DIRECTION OF DRAINAGE
+ 600.00	600.00	SPOT ELEVATION
		DECIDUOUS SHRUB
		DECIDUOUS TREE
		CONIFEROUS SHRUB
		CONIFEROUS TREE

ABBREVIATIONS

FL	FLOWLINE ELEVATION
TC	TOP OF CURB ELEVATION
GL	GUTTER LINE ELEVATION
TG	TOP OF GRATE ELEVATION
STA	STATION
FES	FLARED END SECTION
SWI	STORM WATER INLET
FFE	FINISH FLOOR ELEVATION
HP	HIGH POINT
LP	LOW POINT
TW	TOP OF WALL ELEVATION
BW	BOTTOM OF WALL ELEVATION
DS	DOWNSPOUT

	REBAR SET
	REBAR FOUND
	REBAR "SQUARE"
	STONE
	IRON PIPE
	CHISELED PLUS
	SPIKE
	RIGHT OF WAY MARKER
	RAILROAD SPIKE
	AXLE
	CONCRETE MONUMENT
	MAG NAIL
	SURVEY CONTROL POINT

AC	A/C UNIT
	AREA DRAIN
EJB	ELECTRIC JUNCTION BOX
TRANS	TRANSFORMER
MB	MAILBOX
MW	MONITORING WELL
S	SPRINKLER
VP	VENT PIPE
WP	WARNING POST

Know what's **below.**
Call before you dig.

NOTE
UTILITY INFORMATION IS FOR THE CONVENIENCE OF THE CONTRACTOR. BEFORE CONSTRUCTION BEGINS THE CONTRACTOR SHALL CONTACT MISSOURI ONE CALL SYSTEM, INC. AT 811 OR 1-800-344-7483 AND THE INDIVIDUAL UTILITIES NOT INCLUDED IN THIS SYSTEM FOR THE LOCATION OF ALL EXISTING UTILITIES.

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REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR

ISSUED FOR 8/29/2024

SCHEMATIC DESIGN

PRELIMINARY NOT FOR CONSTRUCTION

HALLSVILLE LOCKER ROOM AND BLEACHER ADDITION

CLIENT NAME
ADDRESS
CITY, STATE

Non-Reduced Sheet Size: 22" x 34"
Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED	DRAWN
DDR	DDR
FIELD	FIELD BOOK
XXXXX	XXXX
CHECKED	CHECK DATE
DCD	

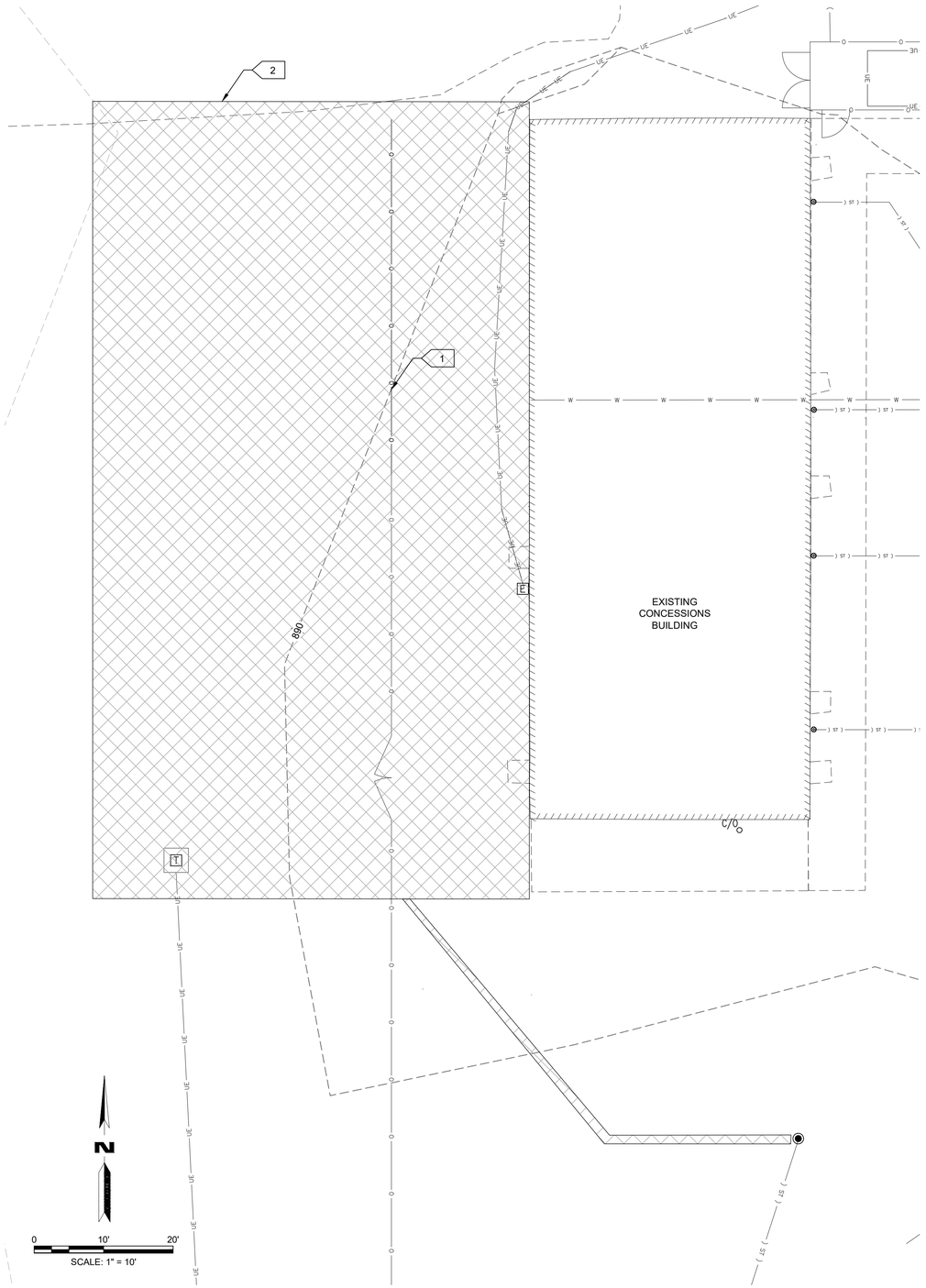
SHEET TITLE

GENERAL NOTES & LEGEND

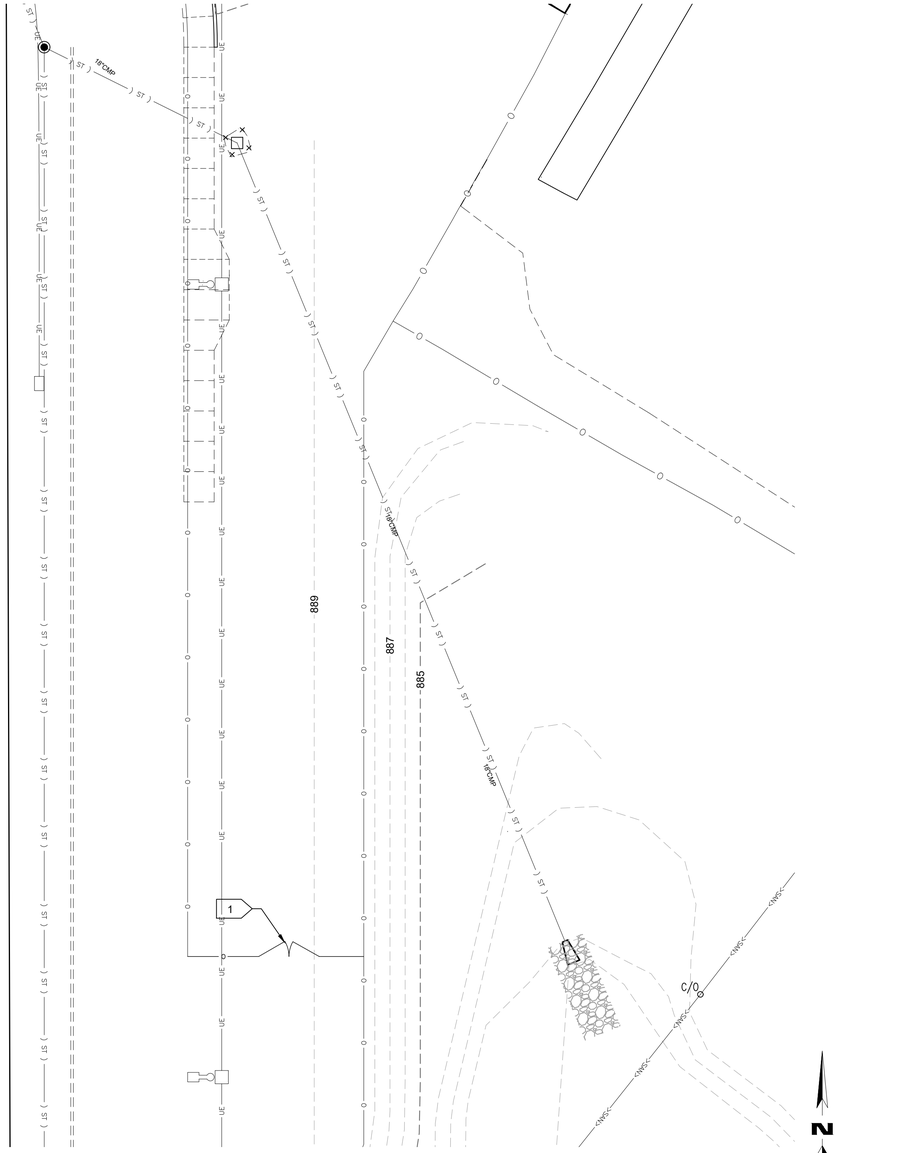
PROJECT NO.
24-5008

DRAWING ISSUED DATE:
8/29/2024

SHEET
C001



LOCKER ROOM SITE DEMOLITION PLAN



BLEACHER SITE DEMOLITION PLAN

DEMO LEGEND

REMOVALS

DEMO KEY NOTES

1 REMOVE FENCE AND SALVAGE FABRIC FOR REUSE

2 REMOVE GRAVEL AS NEEDED TO ACHIEVE PROPOSED GRADES. REUSE IF NO ORGANICS PRESENT

DEMO NOTES

1. REMOVE ALL EXISTING PAVEMENTS, STRUCTURES, CURBS, LANDSCAPING AND ALL OTHER EXISTING SITE FEATURES IN CONFLICT WITH PROPOSED IMPROVEMENTS UNLESS CALLED OUT FOR PRESERVATION ON THIS SHEET.
2. UTILITY LOCATIONS INDICATED ON THIS SHEET ARE APPROXIMATIONS AND ARE NOT INTENDED TO SERVE IN LIEU OF LOCATES PROVIDED BY THE RESPECTIVE UTILITY COMPANIES.
3. COORDINATE UTILITY REMOVALS AND/OR RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES AND THE OWNER.
4. DEMOLITIONS SHALL INCLUDE REMOVAL AND PROPER DISPOSAL OF MATERIALS. CONTRACTOR TO PAY ALL PERMIT AND DISPOSAL FEES.

BENCHMARKS:

1. CHISELED "+" EAST BOLT FIRE HYDRANT SOUTH OF TICKET SHED - ELEV 890.16
2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01)
3. CHISELED "+" NORTH BOLT FIRE HYDRANT AT SOUTHWEST CORNER PLAYGROUND - ELEV 890.16
4. CHISELED "+" SOUTH BOLT FIRE HYDRANT AT NORTHEAST CORNER EXISTING SCHOOL BUILDING- ELEV 893.02

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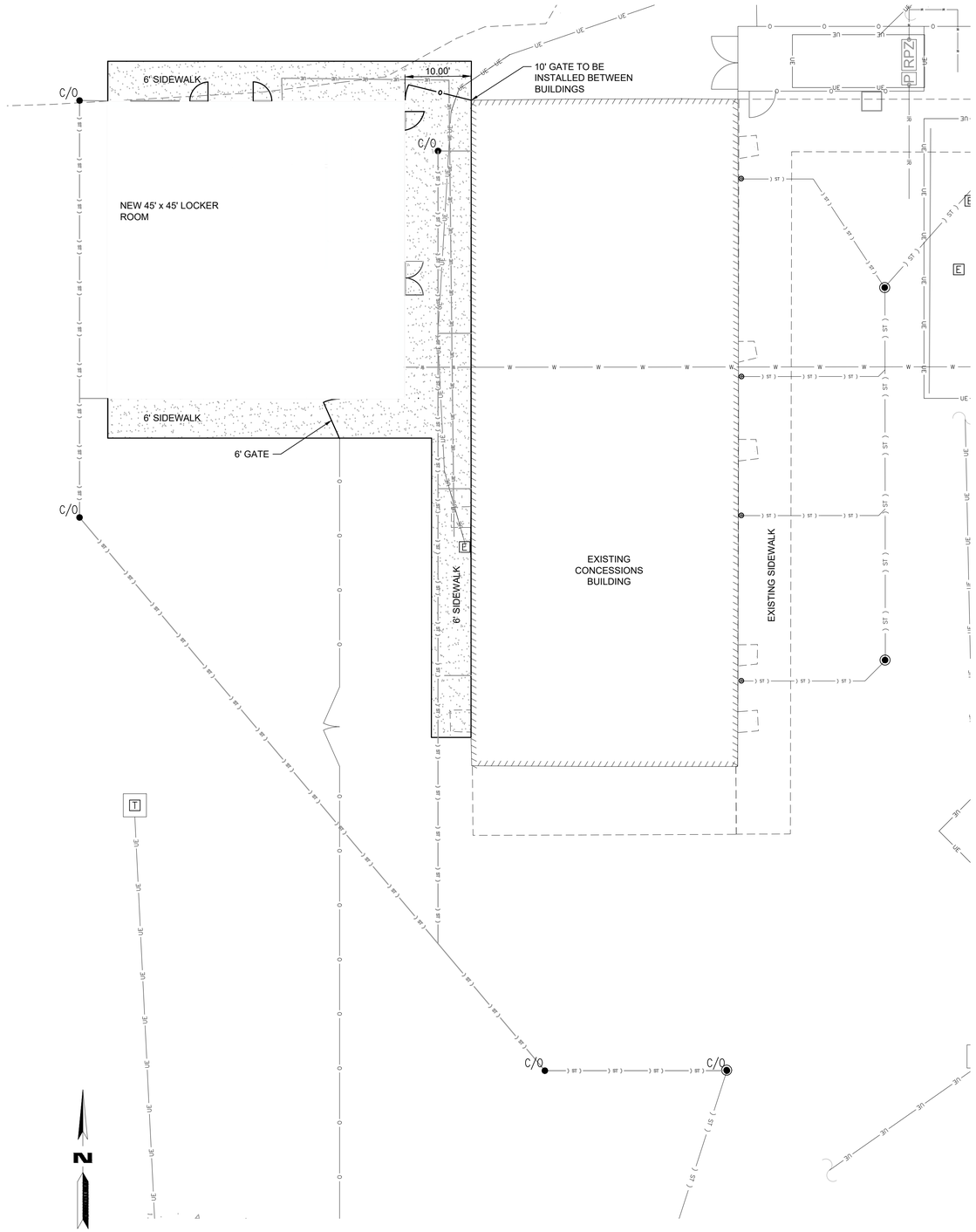
EXISTING CONDITIONS & SITE DEMOLITION PLANS

PROJECT NO. 24-5008

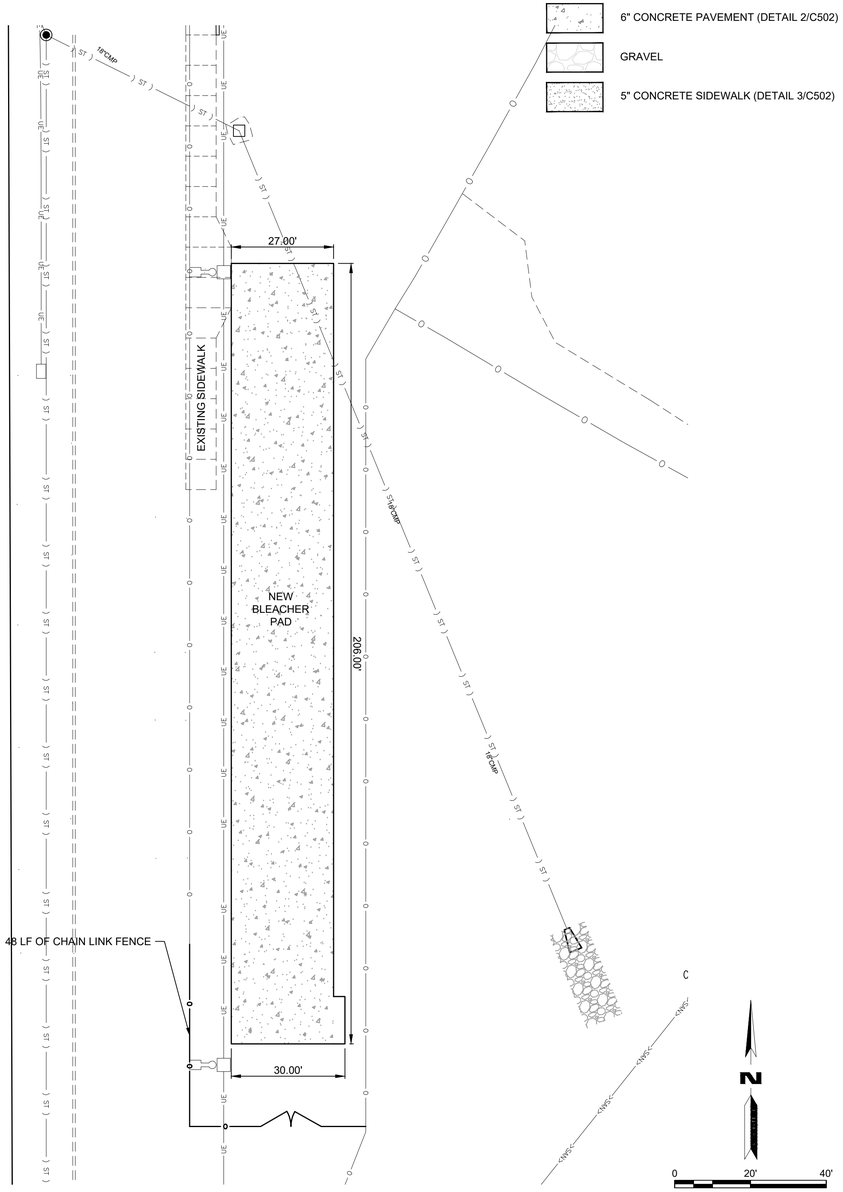
DRAWING ISSUED DATE: 8/29/2024

SHEET

CD101



LOCKER ROOM SITE PLAN



BLEACHER SITE PLAN

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SITE PLAN

PROJECT NO.
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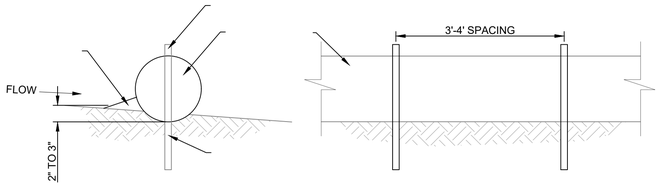
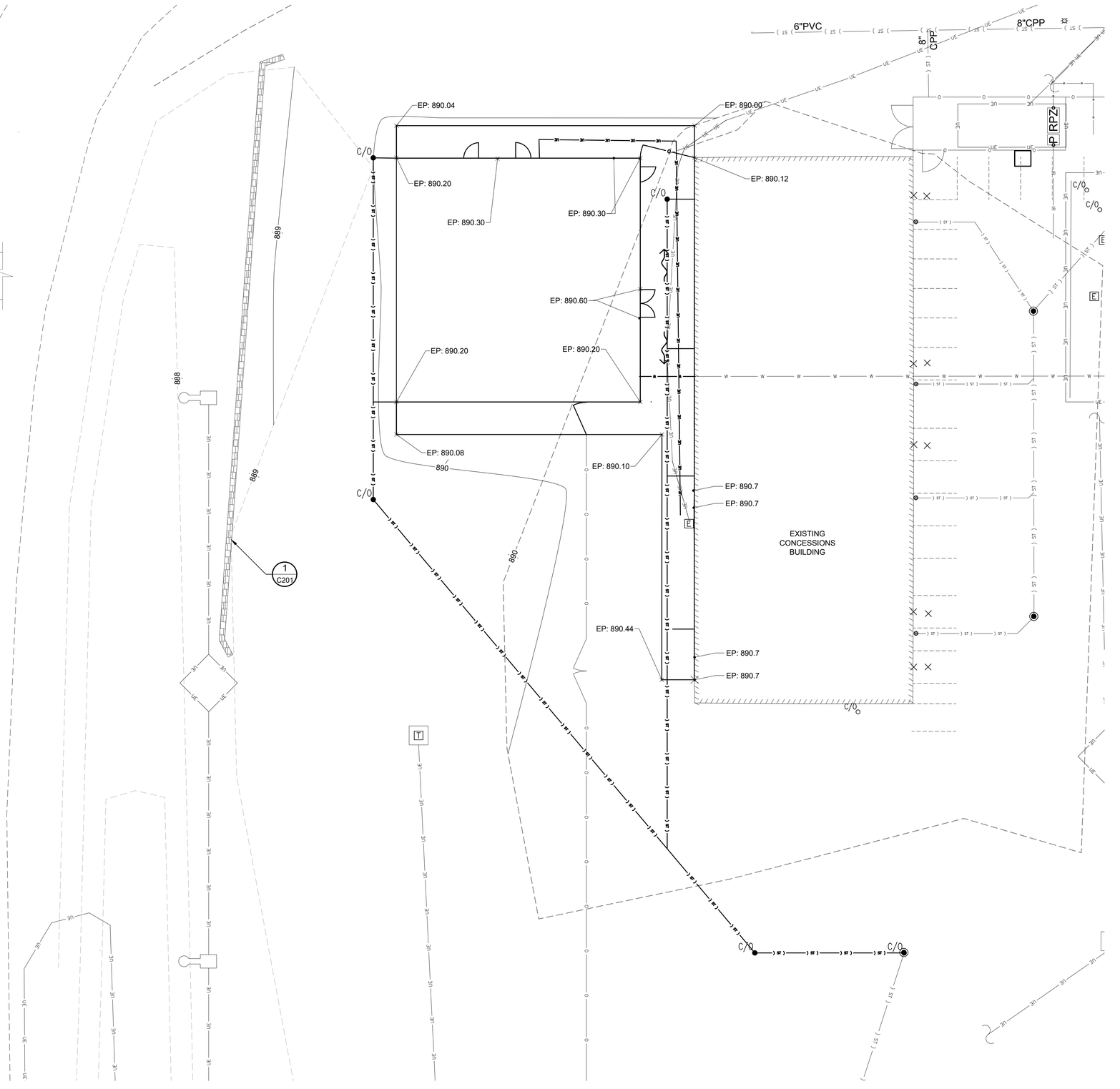
SHEET
C101

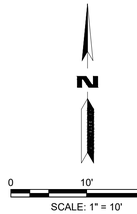
LEGEND

EXISTING	PROPOSED	
		SUMMIT / HIGH POINT
601	601	CONTOURS
600	600	INDEX CONTOURS
		DIRECTION OF DRAINAGE
+600.00		SPOT ELEVATION
		EROSION CONTROL BARRIER (DETAILS 1/C201)
		ROCK DITCH LINER



1 EROSION CONTROL WATTLE CHECK
N.T.S.





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CITY, STATE

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Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED	DRAWN
DDR	DDR
FIELD	FIELD BOOK
XXXXX	XXXX
CHECKED	CHECK DATE
DCD	

SHEET TITLE

LOCKER ROOM GRADING PLAN

PROJECT NO. 24-5008

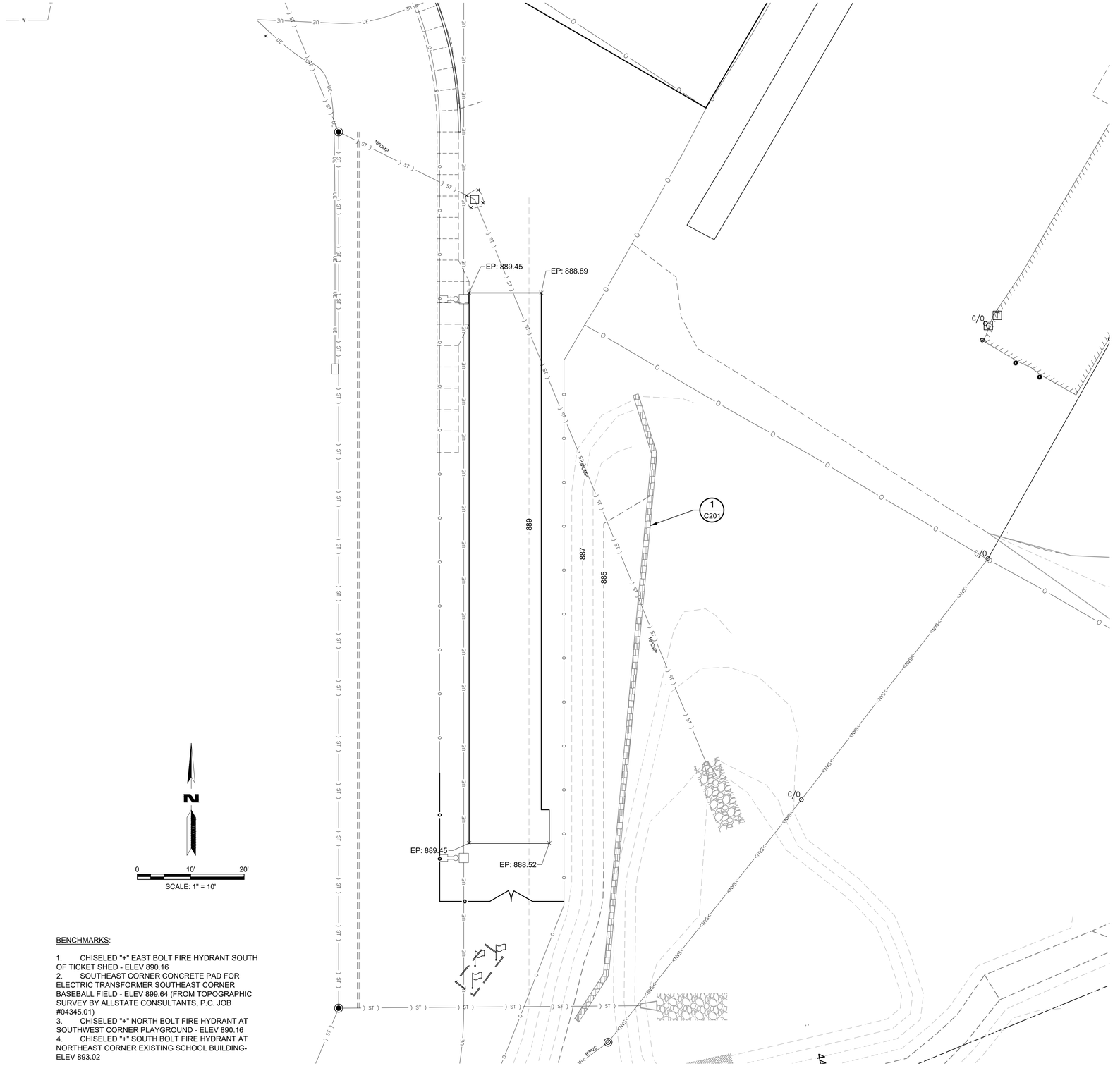
DRAWING ISSUED DATE: 8/29/2024

SHEET

C201

LEGEND

EXISTING	PROPOSED	
		SUMMIT / HIGH POINT
601	601	CONTOURS
600	600	INDEX CONTOURS
		DIRECTION OF DRAINAGE
+600.00		SPOT ELEVATION
		EROSION CONTROL BARRIER (DETAIL 1/C201)
		ROCK DITCH LINER



BENCHMARKS:

1. CHISELED "+" EAST BOLT FIRE HYDRANT SOUTH OF TICKET SHED - ELEV 890.16
2. SOUTHEAST CORNER CONCRETE PAD FOR ELECTRIC TRANSFORMER SOUTHEAST CORNER BASEBALL FIELD - ELEV 899.64 (FROM TOPOGRAPHIC SURVEY BY ALLSTATE CONSULTANTS, P.C. JOB #04345.01)
3. CHISELED "+" NORTH BOLT FIRE HYDRANT AT SOUTHWEST CORNER PLAYGROUND - ELEV 890.16
4. CHISELED "+" SOUTH BOLT FIRE HYDRANT AT NORTHEAST CORNER EXISTING SCHOOL BUILDING- ELEV 893.02

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217.223.3670
Hannibal, MO Burlington, IA
Galesburg, IL Pella, IA Davenport, IA
Columbia, MO Carbondale, IL

REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR

ISSUED FOR 8/29/2024

SCHEMATIC DESIGN

PRELIMINARY NOT FOR CONSTRUCTION

HALLSVILLE LOCKER ROOM AND BLEACHER ADDITION

CLIENT NAME
ADDRESS
CITY, STATE

Non-Reduced Sheet Size: 22" x 34"

Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

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SHEET TITLE

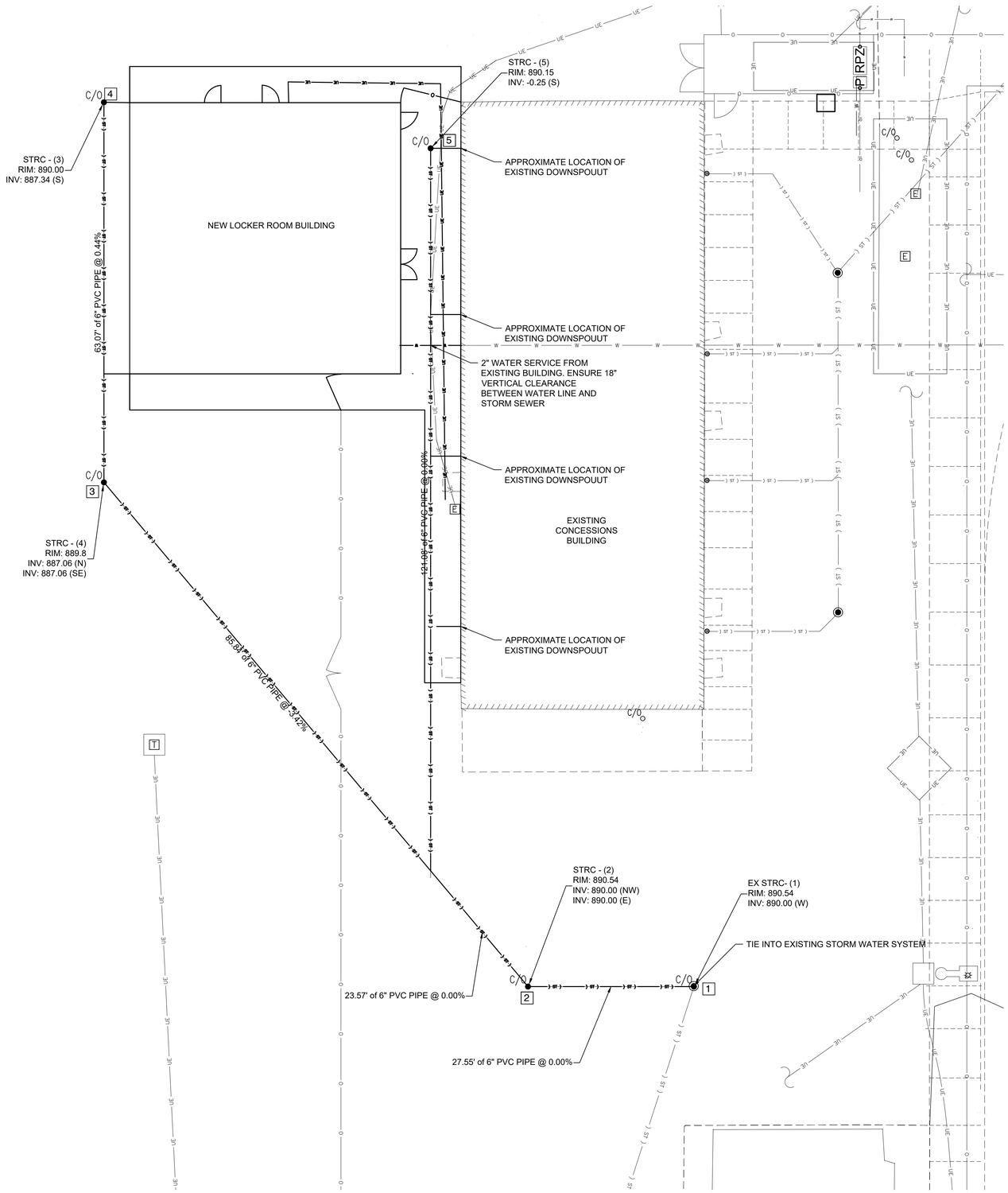
BLEACHER GRADING PLAN

PROJECT NO. 24-5008

DRAWING ISSUED DATE: 8/29/2024

SHEET

C201



SANITARY SEWER STRUCTURE SCHEDULE

STRUCTURE NO.	DESCRIPTION	GRATE TYPE
1	EXISTING STORM STRUCTURE	N/A
2	CLEANOUT (DETAIL 4/C501)	TRAFFIC RATED
3	CLEANOUT (DETAIL 4/C501)	TRAFFIC RATED
4	CLEANOUT (DETAIL 4/C501)	TRAFFIC RATED
5	CLEANOUT (DETAIL 4/C501)	TRAFFIC RATED

BENCHMARKS:

1. CHISELED "+" EAST BOLT FIRE HYDRANT SOUTH OF TICKET SHED - ELEV 890.16
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CLIENT NAME
ADDRESS
CITY, STATE

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DCD	

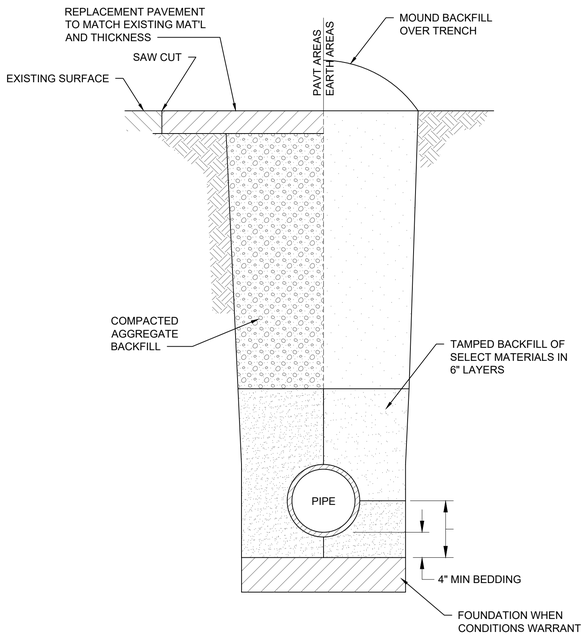
SHEET TITLE

UTILITIES

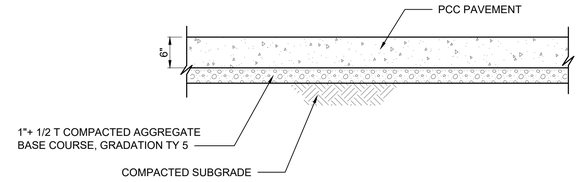
PROJECT NO.
24-5008

DRAWING ISSUED DATE:
8/29/2024

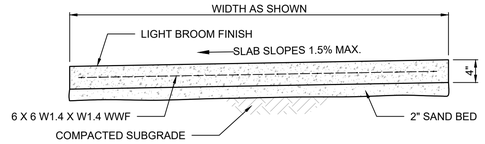
SHEET
C301



1 SEWER TRENCH DETAIL
N.T.S.



2 PCC PAVING DETAIL
N.T.S.



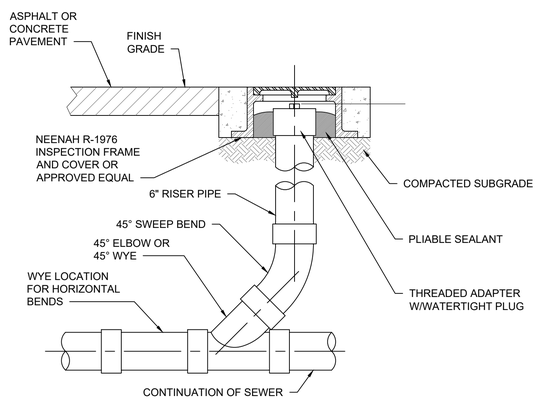
NOTES:
ALL SIDEWALK JOINTS SHALL BE TOOLED OR EDGED, MAX. SPACING = WIDTH OF SIDEWALK.

1/2" EXP. JTS. W/ POLYURETHANE SEALER AT MAX. 50' INTERVALS.

SEE PLAN FOR SIDEWALK WIDTH.

MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5%.

3 TYPICAL SIDEWALK
N.T.S.



VEHICLE TRAFFIC AREAS

4 CLEANOUT DETAILS
N.T.S.

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REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR

ISSUED FOR 8/29/2024

SCHEMATIC DESIGN

PRELIMINARY NOT FOR CONSTRUCTION

HALLSVILLE LOCKER ROOM AND BLEACHER ADDITION
CLIENT NAME
ADDRESS
CITY, STATE

Non-Reduced Sheet Size: 22" x 34"
Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

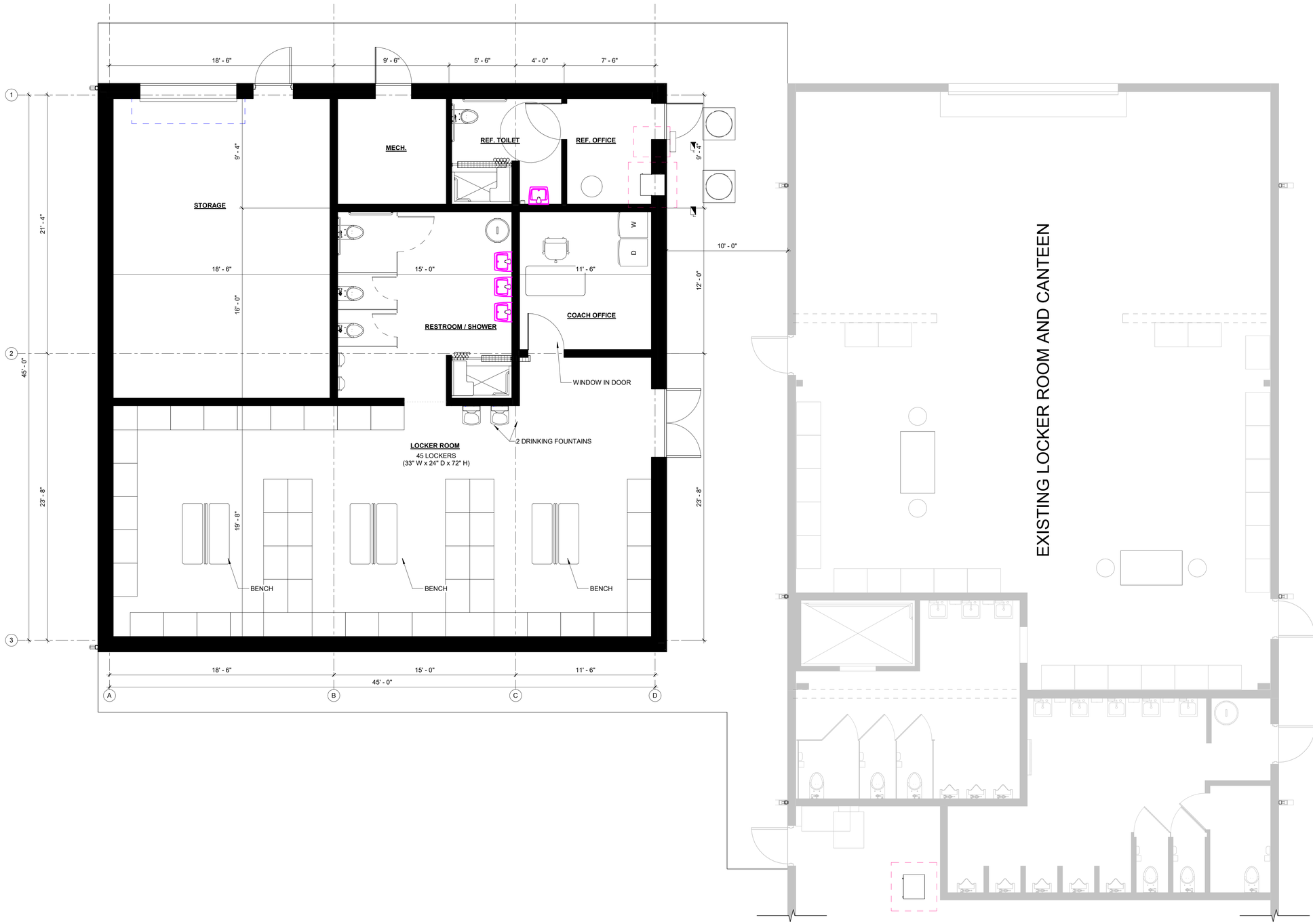
DESIGNED	DRAWN
DDR	DDR
FIELD	FIELD BOOK
XXXXX	XXXX
CHECKED	CHECK DATE
DCD	

SHEET TITLE
DETAILS

PROJECT NO.
24-5008

DRAWING ISSUED DATE:
8/29/2024

SHEET
C501



1 LOCKER ROOM PLAN
1/4" = 1'-0"

TOTAL GROSS SQUARE FOOTAGE: 2,195

0 5' 10'
SCALE: 3/16" = 1'-0"

9/4/2024 9:54:36 AM
C:\Users\jtotten\Documents\A22_24-5008 HALLSVILLE R-IV LOCKER ROOM_1_jtotten3385U.rvt

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Columbia, Missouri
3622 Endeavor Ave, Suite 117
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REVISION HISTORY

	DESCRIPTION	DATE	APPR

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SCHEMATIC DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

HALLSVILLE LOCKER ROOM

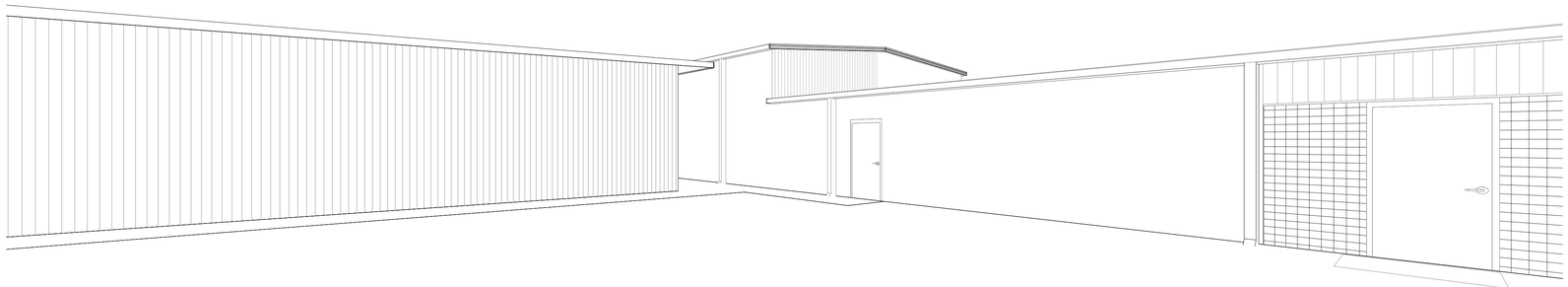
HALLSVILLE R-IV HIGH SCHOOL DISTRICT
421 MO-124 E, HALLSVILLE, MO 65255

Non-Reduced Sheet Size 24" x 36"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

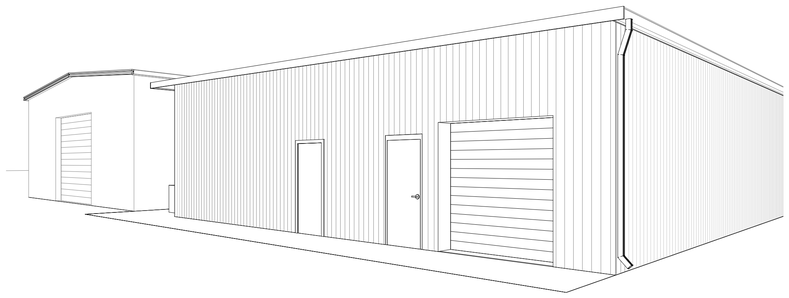
DESIGNED	DRAWN
JRT	JRT
FIELD	FIELD BOOK
CHECKED	CHECK DATE
KMF	N/A

SHEET TITLE
LOCKER ROOM PLAN

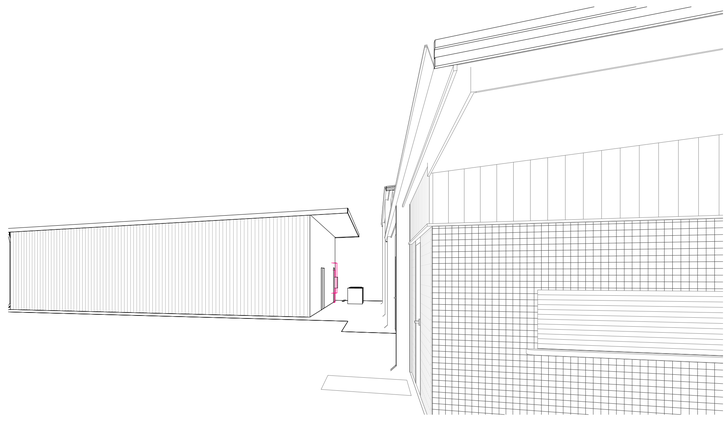
PROJECT NO.
24-5008
DRAWING ISSUED DATE:
09/04/2024
SHEET
A110



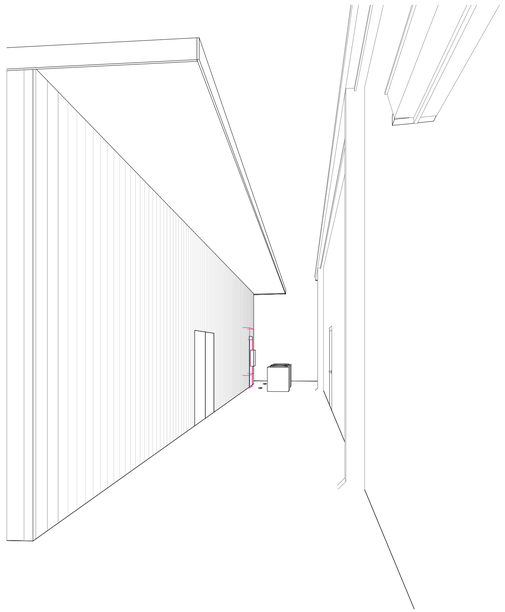
A 3D - LOOKING NORTH-EAST



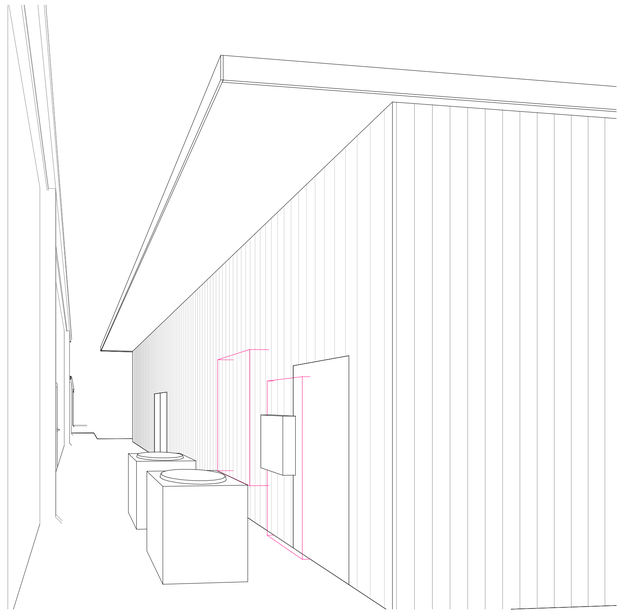
B 3D - LOOKING SOUTH-EAST



C LOOKING SOUTH-WEST

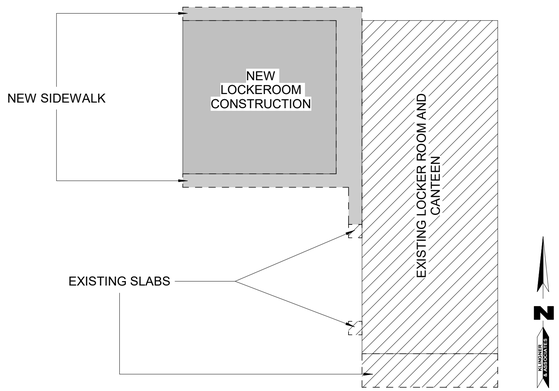


D 3D - LOOKING NORTH



E 3D - LOOKING SOUTH

KEY PLAN LEGEND



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REVISION HISTORY

	DESCRIPTION	DATE	APPR

ISSUED FOR **09/04/2024**

SCHEMATIC DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

HALLSVILLE LOCKER ROOM

HALLSVILLE R-IV HIGH SCHOOL DISTRICT
421 MO-124 E, HALLSVILLE, MO 65255

Non-Reduced Sheet Size 24" x 36"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED	DRAWN
JRT	JRT
FIELD	FIELD BOOK
CHECKED KMF	CHECK DATE N/A

SHEET TITLE

3D EXTERIOR VIEWS

PROJECT NO. **24-5008**

DRAWING ISSUED DATE: **09/04/2024**

SHEET

A801

DESIGN CRITERIA

1. BUILDING/DESIGN CODES:
   A. IBC 2015
   B. ASCE 7-10
2. DESIGN LOADS:
   A. Risk Category III
   B. Dead Loads
      a. Roof Dead Load: Refer to Load Plans on S-0XX for assumed dead loads.
      b. Roof Collateral: 10 psf
      c. See roof framing plan for additional loads (RTUs, Point Loads, etc.) and their locations.
   C. Live Loads
      a. Roof: 20 psf
   D. Roof Snow Loads
      a. Ground Snow Load, P_g: 20 psf
      b. Flat Roof Snow Load, P_f: 15.4 psf
      c. Minimum Snow Load, P_m: 22 psf
      d. Uniform Roof Design Snow Load: 22 psf
      e. Snow Importance Factor, I_s: 1.1
      f. Roof Slope Factor, C_s: 1.0
      g. Snow Exposure Factor, C_e: 1.0
      h. Thermal Factor, C_t: 1.0
      i. Rain-on-Snow Surcharge: 0 psf (Applies to Balanced Snow)
      j. Drifting: See Snow Drift Plan on S-0XX for Drift Loads
   E. Wind Loads
      a. Basic Wind Speed, V_{ult}: 120 mph
      b. Exposure Category: C
      c. Directional Factor, K_d: 0.85
      d. Topographic Factor, K_{zt}: 1.0
      e. Ground Elevation Factor, K_e: 1.0
      f. Gust-effect Factor, G: 0.85
      g. Internal pressure Coeffecient, GC_{pi}: ±0.18
      h. Main Wind Force Resisting System (MWFRS):
         - Base Pressure, q_h: 26.6
      i. Components & Cladding (C&C):
         - Refer to Panel C&C Wind Pressure Diagram on S-0XX
   F. Seismic Loading
      a. Importance Factor, I_e: 1.25
      b. Site Class D (assumed)
      c. S_{ds}: 0.171 (S_s: 0.160)
      d. S_{d1}: 0.146 (S_1: 0.091)
      e. Seismic Design Category C
      f. Seismic Force-Resisting System (Both Directions): Structural Steel Systems Not Specifically Detailed for Seismic Resistance
         1. Response Coefficient, R: 3.00
         2. System Overstrength Factor, Ω_o: 2.50
         3. Deflection Amplification Factor, C_d: 3.00
         4. Seismic Response Coefficient, C_s: 0.071
      g. Component Design per ASCE 7-16
      h. Seismic Base Shear, V = W x C_s
3. DEFLECTION LIMITS:
   A. 0.020*hsx allowable story drift.
   B. Roof Framing: Vertical deflection of L/240 for live loads & L/180 for total loads.
   C. Wall Secondary Framing: Lateral deflection of L/90 for 10yr Wind.

EXISTING WORK

1. Existing conditions shown or noted on the drawings were obtained from field measurements, existing drawings, or were assumed. If conditions other than those shown exist, immediately notify the Engineer before proceeding with the work at that location. If conditions other than those shown exist, alternate methods of construction may need to be used.
2. Where specifically noted on the drawings that existing construction be verified, notify the Engineer in writing of the findings. Verification shall take place prior to preparation of shop drawings and shop drawings shall show all field verified existing conditions. Modifications to details may be required should actual condition significantly differ from those presumed. Any required modifications will be made during the review of the shop drawings.
3. Use appropriate construction methods and equipment as necessary to support existing structures and to avoid over stressing the existing structures.
4. Existing framing is assumed to be in original condition. If deterioration has occurred notify the Engineer in writing of the findings.

ABBREVIATIONS

&	AND	LG	LONG
AB	ANCHOR BOLT	LL	LIVE LOAD
ALT	ALTERNATE	LLH	LONG LEG HORIZONTAL
ARCH	ARCHITECT	LLV	LONG LEG VERTICAL
@	AT	LONG	LONGITUDINAL
		LWC	LIGHT WEIGHT CONCRETE
BLDG	BUILDING		
BM	BEAM	MAX	MAXIMUM
BO	BOTTOM OF	MECH	MECHANICAL
BOT	BOTTOM	MIN	MINIMUM
BRG	BEARING		
BRDG	BRIDGING	NO (#)	NUMBER
BTW	BETWEEN	NTS	NOT TO SCALE
BYD	BEYOND		
		OC	ON CENTER
		OH	OPPOSITE HAND
CIP	CAST IN PLACE	OPNG	OPENING
CJ	CONSTRUCTION JOINT	OPP	OPPOSITE
CL (℄)	CENTERLINE		
CLR	CLEAR	PAR	PARALLEL
CMU	CONCRETE MASONRY UNIT	PEMB	PRE-ENGINEERED METAL BUILDING
COL	COLUMN	PERP	PERPENDICULAR
CONC	CONCRETE	PL (▭)	PLATE
CTR	CENTER	PSF	POUNDS PER SQUARE FOOT
		PT	PRESSURE TREATED
DBA	DEFORMED BAR ANCHOR		
DBL	DOUBLE	REINF	REINFORCING
DIA (Ø)	DIAMETER	RO	ROUGH OPENING
DIAPH	DIAPHRAGM	RTU	ROOF TOP UNIT
DL	DEAD LOAD		
DWLS	DOWELS	SCH	SCHEDULE
		SIM	SIMILAR
EA	EACH	SL (℄)	STEEL LINE
EF	EACH FACE	STAGG	STAGGERED
ELEV (EL)	ELEVATION	STD	STANDARD
EMBED	EMBEDMENT	STIFF	STIFFENER
EW	EACH WAY		
EX	EXISTING	TBR	TO BE REMOVED
		THK	THICK
FB	FIELD BEND	THRU	THROUGH
FDN	FOUNDATION	TO	TOP OF
FF	FINISHED FLOOR	TOF	TOP OF FOOTING
FLR	FLOOR	TOS	TOP OF STEEL
FTG	FOOTING	TOW	TOP OF WALL
FV	FIELD VERIFY	TRANS	TRANSVERSE
		TYP	TYPICAL
GA	GAUGE		
GALV	GALVANIZED	UNO	UNLESS OTHERWISE NOTED
HDG	HOT DIP GALVANIZED	VERT	VERTICAL
HDR	HEADER		
HGR	HANGER	W/	WITH
HORIZ	HORIZONTAL	WF	WIDE FLANGE
HS	HEADED STUD	W/O	WITHOUT
HSS	HOLLOW STRUCTURAL SECTION	WP	WORKING POINT
HT	HEIGHT	WWF	WELDED WIRE FABRIC
		W.R.	WATER REDUCER
ID	INSIDE DIAMETER		
JST	JOIST		

GENERAL

1. The structure is designed to be self-supporting and stable after it is fully completed. It is solely the contractor's responsibility to determine erection procedure and sequence and ensure the safety of the construction personnel, public, building and its components parts, and adjacent buildings and properties. This includes the addition of whatever temporary or permanent shoring, bracing, needling, underpinning, or sheet piling, etc. that may be necessary to brace new construction, adjacent buildings, so that the structure is braced for wind, seismic, gravity, construction loads, etc. and that no horizontal or vertical settlement or any damage occurs to the adjacent existing structure. Temporary supports shall be maintained in place until permanent supports and/or shoring and bracing are installed.
2. Fall protection shall be provided in accordance with Climax policies and procedures. It is the contractor's responsibility to read and understand Climax policies and procedures and apply them to this job.
3. It is the contractor's responsibility to enforce all applicable safety codes and regulations during all phases of construction.
4. The contractor shall perform all construction for the project in a manner and sequence that are based on accepted industry standards that recognize the interaction of the components that comprise the structure, without causing distress, unanticipated movements or irregular load paths as a result of the construction means and methods employed.
5. Construction loads shall not exceed design live loads. The contractor shall be responsible for all design required to support construction equipment used in constructing this project. Shoring and reshoring is the responsibility of the contractor.
6. Principal openings through the framing are shown on these drawings. The general contractor shall examine the project's drawings for the required openings and shall verify size and location of all openings with the mechanical contractor. Providing all openings required by the mechanical, electrical, piping, or other trades shall be part of the general contract, whether or not shown in the structural drawings. Any deviation from the openings shown on the structural drawings shall be brought to the engineer's attention for review.
7. All contractors are required to examine the drawings and specifications carefully, visit the site and fully inform themselves as to all existing conditions and limitations, prior to agreeing to perform the work. Failure to visit the site and familiarize themselves with the existing conditions and limitations will in no way relieve the contractor from furnishing any materials or performing any work in accordance with drawings and specifications without additional cost to the owner.
8. Contractor shall verify all dimensions and conditions at the job site before commencing work and shall report any discrepancies to the engineer.
9. Omissions or conflicts between various elements of the drawings, notes and details shall be brought to the attention of the engineer and resolved before proceeding with the work.
10. Details labeled "Typical Details" on drawings apply to situations occurring on the project that are the same or similar to those specifically details. Such details apply whether or not details are referenced at each location. Notify engineer for clarification regarding applicability of "Typical Details".
11. Work these drawings with all other discipline drawings.
12. Do not scale drawings.
13. Should any of the general notes conflict with any details, instructions on plans, or specifications, the strictest provision shall govern.
14. Shop drawings and submittals:
    A. These drawings shall be checked and coordinated with other materials and contracts by the general contractor and shop drawings and submittals shall bear the contractor's review stamp with the checker's initials before being submitted to the engineer for approval.
    B. When the fabricator has been authorized to use the architect and engineer's drawings as erection drawings, the fabricator must remove all title blocks, professional seals and any other reference to the engineer from that erection drawing. The fabricator's name and title shall be placed on the erection drawing.
    C. Any deviations from these drawings shall be noted and brought to the attention of the Engineer.

CAST-IN-PLACE CONCRETE

1. All concrete construction shall conform to ACI 301, "Specification for Structural Concrete" and ACI 302, "Guide for Concrete Floor and Slab Construction", ACI 305 "Specification for Hot Weather Concreting" and ACI 306, "Standard Specification for Cold Weather Concreting", unless noted otherwise for the year referenced in the building code noted.
2. All detailing, fabrication and placing of reinforcing bars, unless otherwise noted, shall conform to ACI 318, "Building Code Requirements for Structural Concrete", ACI 117, "Specification for Tolerances for Concrete Construction and Materials", and the latest ACI detailing manual.
3. Concrete Types:
   A. Interior Concrete (Interior Slab-on-Grade & Interior Footings):
      a. Max Water-Cement Ratio = 0.45
      b. Specified 28-day Compressive Strength, fc' = 3000 psi
      c. Specified Air Content % by Volume = 0 - 3 (Entrapped)
      d. Max Size Aggregate = 1"
   B. Concrete Permanently Exposed to Weather or in Contact with Ground within Frost Zone (Exterior Slabs, Exterior Walls, Exterior Footings):
      a. Max Water-Cement Ratio = 0.45
      b. Specified 28-day Compressive Strength, fc' = 4000 psi
      c. Specified Air Content % by Volume = 6.5 ± 1.5 (Entrained)
      d. Max Size Aggregate = 3/4"
   C. All cement shall be Type I or Type III Portland Cement per ASTM C150. Types IA and IP are not acceptable. Use one brand of cement throughout the project.
   D. Minimum cementitious content shall consist of 100% cement or a combination of flyash per Note e, or a combination of cement and ground granulated blast furnace slag (GGBFS) per note f. Flyash shall not be used in combination with GGBFS as a substitute for cement.
   E. Flyash is permitted and shall conform to ASTM C618 Type C or F, but shall not exceed 20% of cementitious content by weight indicated above on a substitution basis and shall be included in the water-cement ratio.
   F. Ground granulated blast furnace slag (GGBFS) is permitted and shall conform to ASTM C989, but shall not exceed 15% of cementitious content by weight indicated above on a substitution basis and shall be included in the water-cement ratio.
   G. All admixtures other than superplasticizers shall be added at the batch plant. Superplasticizers, designed for addition to the mix at the plant, may be added at the batch plant with verifications from the engineer and verification that the water-cement ratio has not been exceeded. Superplasticizers added at the site shall be in pre-measured containers from the batch plant.
   H. All concrete used for cast-in-place concrete slabs shall contain the specified water reducing or water reducing/retarding admixture. All concrete slabs, placed at air temperature 50°F shall contain the specified non-corrosive, non-chloride accelerator. All concrete placed at air temperature above 80°F shall contain specific water-reducing/retarder admixture. All concrete required to be air-entrained shall contain an approved air-entraining admixture. All pumped concrete shall contain the specified high-range water-reducing admixture. Concrete with a water-cement ratio between 0.4 and 0.6 shall contain the specified water-reducer.
   I. Calcium chloride shall not be permitted nor shall any admixture containing calcium chloride be permitted.
4. All pipe sleeve openings through concrete slabs and foundations shall be formed with standard steel pipe. Sleeves to be provided for storm water, fire protection, and other penetrations as required. Coordinate with other disciplines. All pipe sleeves to be sealed with Link-Seal.
5. All aluminum in contact with concrete or dissimilar metals shall be coated with two coats of coal tar epoxy, approved by the engineer, unless otherwise noted.
6. Concrete shall be discharged at the site within 1 ½ hours after water has been added to the cement and aggregates. Addition of water to the mix at the project site will not be permitted. All water must be added at the batch plant. Slump may be adjusted only through the use of additional water reducing admixtures or high range water reducing admixture.
7. All concrete shall be placed without horizontal construction joints, except where specifically noted.
8. All exposed edges of concrete members shall be chamfered ¾" unless shown otherwise.
9. The placement of sleeves, outlet boxes, box-outs, anchors, etc., for the mechanical, electrical and plumbing trades is the responsibility of the trade involved; however, any box-outs not covered by typical details in structural drawings shall be submitted for approval.
10. Reinforcing bars shall conform to ASTM A615, Grade 60, No tack welding of reinforcing in the field will be permitted.
11. Reinforcing bars for welded applications shall conform to ASTM A706, 60 ksi yield strength.
12. Wire bar supports shall be furnished for all reinforcing within slabs, inclusive of welded wire fabric. Bottom bars in slabs-on-grade may be supported by other suitable supports. Reinforcing shall be properly positioned prior to concrete placement and may not be re-positioned once concrete operations have begun. Wire bar and other types of supports shall be in accordance with the concrete reinforcing steel institute manual of standard practice.
13. Reinforcement shall be continuous through all construction joints unless otherwise noted on drawings.
14. All hooks shown on drawings shall be standard hooks, unless otherwise noted.
15. Where continuous bars are called for, they shall run continuously around corners and be lapped at necessary splices. Lap lengths shall be as given in the splice and development table.
16. Provide additional reinforcing at the sides and corners (including re-entrant) of all openings in concrete in accordance with the typical details and the following:
    A. Minimum additional requirements are as follows:
       a. (2) #5 bars (one top and one bottom) in concrete slabs-on-grade
       b. (2) #5 bars (one on each face) in walls
       c. (2) #5 x 4'-0" long bars diagonally at each corner in walls
17. The following minimum concrete cover shall be provided for reinforcement, unless otherwise noted:
    A. Earth formed and cast directly against soil: 3"
    B. Cast against forms but exposed to earth and weather
       a. #6 and Larger: 2"
       b. #5 and Smaller: 1 ½"
    C. Slabs and walls not exposed to earth or weather: ¾"
    D. Others: 2"
18. Reinforcing bars shall have a minimum clear spacing of 4" (except those that are lapped).
19. Splice lengths per detail X/S-XXX
    A. When lapping two different size bars, use the lap dimension of the smaller bar or the anchorage dimension of the larger bar, use whichever dimension is larger.

ANCHORS & GROUT

1. Detailing, fabrication and erection shall conform to the AISC Specifications and Standard Code of Practice for the year referenced in the building code noted, except as modified by these notes and the project specifications.
2. Steel shall conform to the following grades unless otherwise noted:
   A. Cast-in-Place Anchor Rods (Bolts):
      a. Building Columns – ASTM F1554 Grade 36 (Fy=36 ksi) (If exposed to weather or in contact with treated lumber, Hot Dip Galvanize per ASTM A123)
   B. Heavy Hex Nuts – ASTM A563 Grade A
   C. Washers
      a. Standard size holes: ASTM F844
      b. Oversized holes: A36 Plate Washers
      c. Field-welded plate washers at all holes: A36 Plate Washers
   D. Deformed Bar Anchors (DBA) – ASTM A1064 (Grade 70) or AWS D1.1
   E. Welding Electrodes – E70xx
3. Hot dip galvanize per ASTM A123. Repair galvanized surfaces according to ASTM A780.
4. Unless being galvanized, all structural steel shall be primed. Asphaltic paints are not acceptable. Exposed steel shall be painted per Painting Specification. Field Touch up Primer and Paint.
5. All welding shall be in accordance with the "Structural Welding Code", AWS D1.1, Latest Edition.
6. Anchor Rods shall be located using templates with exposed threads (only) of rods greased after concrete has set.
7. Grout for Baseplates: Prepacked, non-metallic, non-gaseous and non-shrink per CRD C621 and ASTM C1107 at fluid consistency (flow cone) of 20-30 seconds. Minimum 28-Day Compressive Strength = 5000 PSI.

POST INSTALLED ANCHORS

1. Concrete adhesive anchors Hilti HY200 or approved equal. Concrete Mechanical Anchors Hilti Kwik Bolt TZ2 or approved equal.
2. Submit ICC-ES reports for all post installed anchors.
3. Install all post installed anchors per the product's ICC-ES report and the manufacturer's written instructions.
4. Post installed anchors shall be inspected per the product's ICC-ES report.
5. Install adhesive anchors in dry hammer drilled holes.

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REVISION HISTORY

	DESCRIPTION	DATE	APPR

ISSUED FOR **09/04/2024**

SCHEMATIC DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

HALLSVILLE LOCKER ROOM

HALLSVILLE R-IV HIGH SCHOOL DISTRICT
421 MO-124 E, HALLSVILLE, MO 65255

Non-Reduced Sheet Size 24" x 36"

Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

DESIGNED	DRAWN JEK/AJK
FIELD	FIELD BOOK
CHECKED	CHECK DATE

SHEET TITLE

STRUCTURAL NOTES

PROJECT NO. **24-5008**

DRAWING ISSUED DATE: **09/04/2024**

SHEET

S001

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STRUCTURAL STEEL

1. Detailing, fabrication and erection shall conform to the AISC Specifications and Standard Code of Practice for the year referenced in the building code noted, except as modified by these notes and the project specifications.
2. Steel shall conform to the following grades unless otherwise noted:
   A. W Shapes – ASTM A992 Grade 50 (Fy=50 ksi)
   B. Plates (excluding base plates), Angles, M, S, and C Shapes – ASTM A572 Grade 50 (Fy=50 ksi)
   C. Base Plates – ASTM A572 Grade 50 (Fy=50 ksi)
   D. Brace Rods – ASTM A572 Grade 50 (Fy=50 ksi)
   E. HSS Rectangular Shapes – ASTM A500 Grade C (Fy=50 ksi)
   F. HSS Round Shapes – ASTM A500 Grade C (Fy=46 ksi)
   G. Pipes – ASTM A53 (Fy=35 ksi)
   H. Bolts – ASTM F3125, Type A325-N, ¾"Ø minimum.
   I. Washers – ASTM F436
   J. Welding Electrodes – E70xx
3. Unless being Galvanized, all structural steel shall be primed. Asphaltic paints are not acceptable.
4. All column base plates shall have a minimum of four (4) anchor rods.
5. The minimum plate thickness shall be 3/8", unless otherwise noted.
6. The minimum length of connection angle shall be equal to 1/2 the depth of the member to be supported.
7. Bolts not designated and slip critical bolts shall be considered bearing bolts. Tighten bearing bolts to a snug condition per AISC Specifications.
8. All welding shall be in accordance with the "Structural Welding Code", AWS D1.1, Latest Edition.
9. Fabricate all beams with the mill camber up.
10. General contractor shall verify all structural beam locations, mechanical unit weights, and opening sizes and locations with mechanical contractor and vendor's drawings for actual mechanical unit purchased.
11. Splicing of structural members where not detailed on the drawings is prohibited without prior approval of the structural engineer.
12. Cuts, holes, coping, etc. required for work of other trades shall be shown on the shop drawings and made in the shop. Cuts or burning of holes in the structural steel members in the field will not be permitted, unless specifically approved in each case by the engineer.
13. Anchor Rods shall be located using templates with exposed threads (only) of rods greased after concrete has set.
14. Grout for Baseplates: Prepacked, non-metallic, non-gaseous and non-shrink per CRD C621 and ASTM C1107 at fluid consistency (flow cone) of 20-30 seconds. Minimum 28 Day Compressive Strength = 7000 PSI.
15. Hot dip galvanize after fabrication all exterior exposed structural steel members per ASTM A123 and all exterior fastening components per ASTM A153, unless noted otherwise. Repair galvanized surfaces according to ASTM A780.
16. Slip critical bolts shall be used at moment connections, column splices, and cross bracing connections, unless noted otherwise. Slip critical bolts shall be tightened per AISC Specifications.
17. Unless otherwise noted, all connections at HSS sections shall be designed and detailed in accordance with the AISC "Hollow Structural Sections Connection," first edition.
18. Provide 1 1/2" x 3/16" galvanized, Type 19-W-4, serrated Welded Steel Bar Grating, unless otherwise noted. Material shall comply with ASTM A-1101. Attach grating panels with Type H-3 Saddle clips. Each grating panel shall have a minimum of two (2) clips per supporting member. Grating shall be fabricated so that cross bars or adjacent panels are aligned when installed. Exposed ends shall have welded banding.
19. Stair treads shall be 1 1/2" x 3/16" galvanized, Type 19-W-4, serrated Welded Steel Bar Grating, serrated, with non-slip abrasive nosing.
20. Stair landings shall have slip resistant nosing to match nosing on stair treads.
21. Guardrail and posts shall be shop welded, 1 1/2"Ø (nominal diameter), schedule 40 steel pipe. Handrail shall be shop welded, 1 1/4"Ø (nominal diameter), schedule 40 steel pipe. Guardrails shall have two rails and be ground smooth at joints. Guardrail/handrail corners shall be connected in the field. Guardrail/handrail splices to be field welded and ground smooth. Guardrail/handrail and posts shall be primed and painted safety yellow, unless exterior. If exterior, rail and posts to be Hot Dip galvanized. Field touch up primer, paint, or galvanize.
22. Lifting and monorail beams shall have the load ratings permanently installed on each side and on the bottom flange following installation.
23. Installing contractors will be responsible for anchoring all equipment. Contractors to post-install anchors using epoxy as specified in the project manual. Assume anchors are 1" diameter and 18" long with an embed of 6" – 10". Final details will be provided to the winning contractor as the information becomes available.

METAL DECKING

1. Fabricated roof decks, without top-flange stiffening grooves, shall comply with "Steel Deck Institute (SDI) Standard for Steel Roof Decks" in ANSI/SDI RD-2010.
2. Deck shall be prime painted by the manufacturer. Exposed deck shall be painted per painting specification.
3. Lap deck 4" minimum at splices center on support.
4. Deck manufacturer shall coordinate size and location of roof openings with architectural and mechanical drawings and suppliers.
   A. Furnish 2x4 wood blocking beneath deck flutes at bearing at steel supports beneath mechanical units to prevent crushing of deck.
   B. Mechanical units shall be attached to the structural steel framing.
   C. Unless noted otherwise, all openings in metal roof deck shall have 4x4x1/4 angle frame set between joists. Support mechanical equipment with 4x4x1/4 angles laid between joists and 4x4x5/16 angles (length + mechanical unit + 2'-0" or 4'-0" minimum) welded to top of bottom chord of joists to distribute load to joist panel points. Where curb is parallel to joist, maximum spacing between angles laid between joists shall be 6'-0", or as required by equipment manufacturer, whichever is less.
5. No light gage framing, mechanical, electrical or other equipment shall be suspended from or attached to any metal roof deck.
6. See drawings for deck attachment patterns and galvanized coatings.

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ISSUED FOR **09/04/2024**

SCHEMATIC DESIGN

PRELIMINARY
NOT FOR CONSTRUCTION

HALLSVILLE LOCKER ROOM

HALLSVILLE R-IV HIGH SCHOOL DISTRICT
421 MO-124 E, HALLSVILLE, MO 65255

Non-Reduced Sheet Size 24" x 36"
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.

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SHEET TITLE

STRUCTURAL NOTES

PROJECT NO.
24-5008

DRAWING ISSUED DATE:
09/04/2024

SHEET

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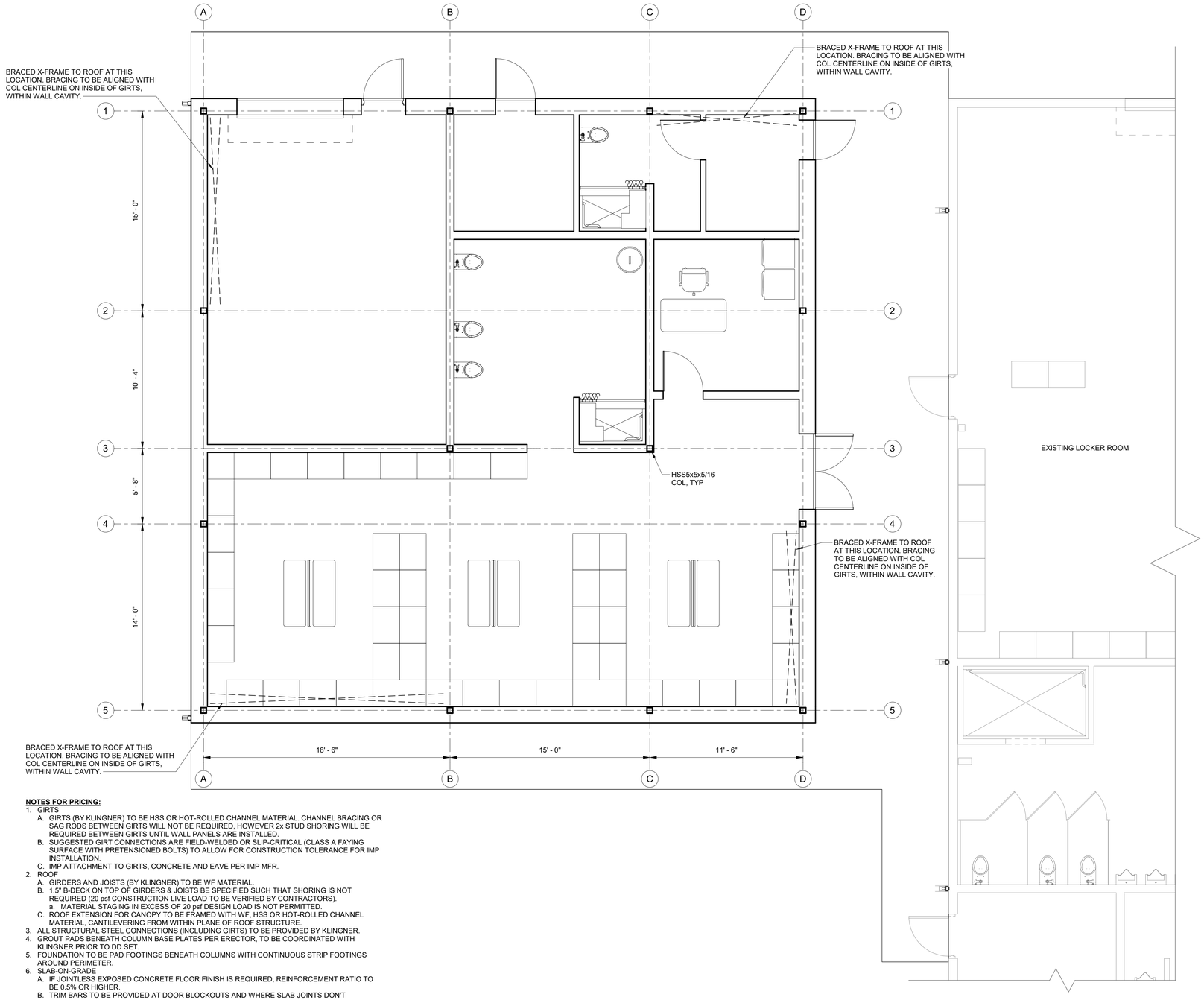

NOTES FOR PRICING:

1. GIRTS
   A. GIRTS (BY KLINGNER) TO BE HSS OR HOT-ROLLED CHANNEL MATERIAL. CHANNEL BRACING OR SAG RODS BETWEEN GIRTS WILL NOT BE REQUIRED, HOWEVER 2x STUD SHORING WILL BE REQUIRED BETWEEN GIRTS UNTIL WALL PANELS ARE INSTALLED.
   B. SUGGESTED GIRT CONNECTIONS ARE FIELD-WELDED OR SLIP-CRITICAL (CLASS A FAYING SURFACE WITH PRETENSIONED BOLTS) TO ALLOW FOR CONSTRUCTION TOLERANCE FOR IMP INSTALLATION.
   C. IMP ATTACHMENT TO GIRTS, CONCRETE AND EAVE PER IMP MFR.
2. ROOF
   A. GIRDERS AND JOISTS (BY KLINGNER) TO BE WF MATERIAL.
   B. 1.5" B-DECK ON TOP OF GIRDERS & JOISTS BE SPECIFIED SUCH THAT SHORING IS NOT REQUIRED (20 psf CONSTRUCTION LIVE LOAD TO BE VERIFIED BY CONTRACTORS).
      a. MATERIAL STAGING IN EXCESS OF 20 psf DESIGN LOAD IS NOT PERMITTED.
   C. ROOF EXTENSION FOR CANOPY TO BE FRAMED WITH WF, HSS OR HOT-ROLLED CHANNEL MATERIAL, CANTILEVERING FROM WITHIN PLANE OF ROOF STRUCTURE.
3. ALL STRUCTURAL STEEL CONNECTIONS (INCLUDING GIRTS) TO BE PROVIDED BY KLINGNER.
4. GROUT PADS BENEATH COLUMN BASE PLATES PER ERECTOR, TO BE COORDINATED WITH KLINGNER PRIOR TO DD SET.
5. FOUNDATION TO BE PAD FOOTINGS BENEATH COLUMNS WITH CONTINUOUS STRIP FOOTINGS AROUND PERIMETER.
6. SLAB-ON-GRADE
   A. IF JOINTLESS EXPOSED CONCRETE FLOOR FINISH IS REQUIRED, REINFORCEMENT RATIO TO BE 0.5% OR HIGHER.
   B. TRIM BARS TO BE PROVIDED AT DOOR BLOCKOUTS AND WHERE SLAB JOINTS DON'T INTERSECT.
   C. ALTERNATING DIAMOND PLATE DOWELS & REBAR DOWELS TO BE PROVIDED ALONG CONSTRUCTION JOINTS.

1 LOCKER ROOM FLOOR PLAN
1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

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LOCKER ROOM FLOOR PLAN

PROJECT NO. **24-5008**

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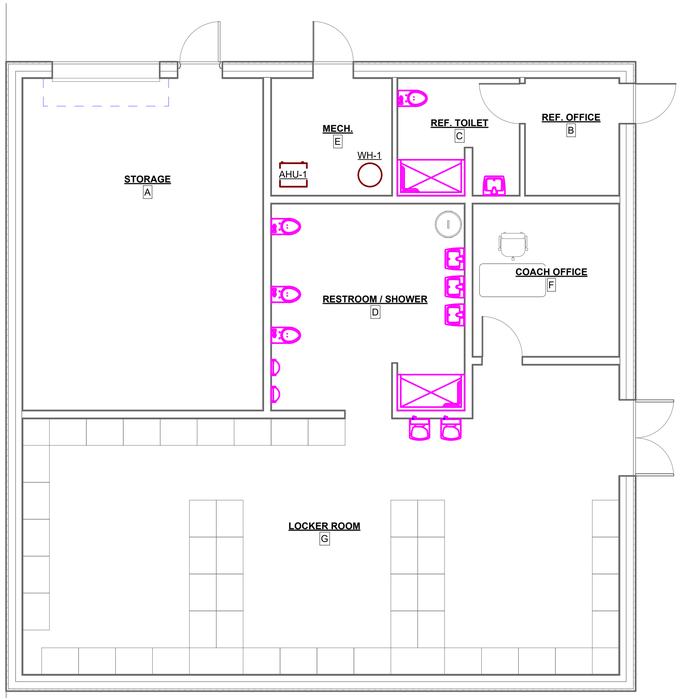
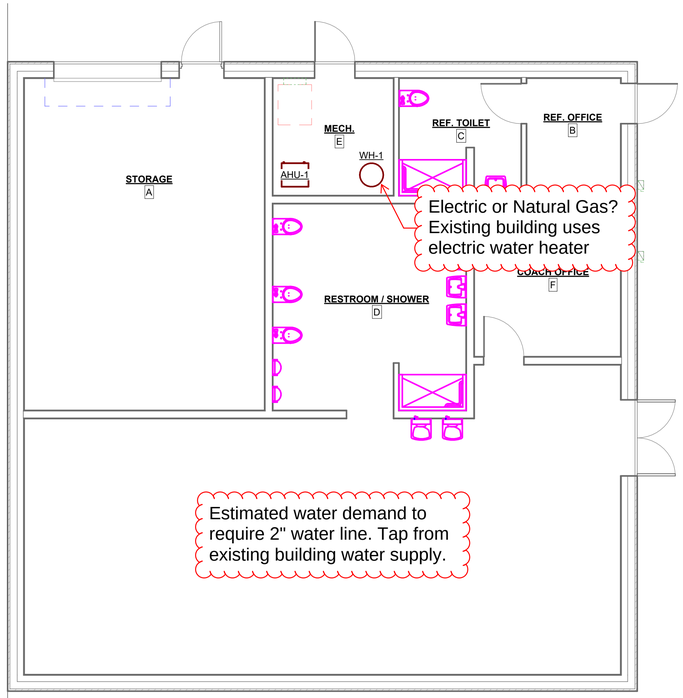


1 DRAIN, WASTE & VENT PLAN
3/16" = 1'-0"



2 DOMESTIC WATER & NATURAL GAS PLAN
3/16" = 1'-0"

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HALLSVILLE FOOTBALL LOCKER ROOM

HALLSVILLE R-IV SCHOOL DISTRICT
421 E HWY 124
HALLSVILLE, MO 65255

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Designer	Author
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SHEET TITLE
PLUMBING PLANS

PROJECT NO.
24-5008
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SHEET
P101

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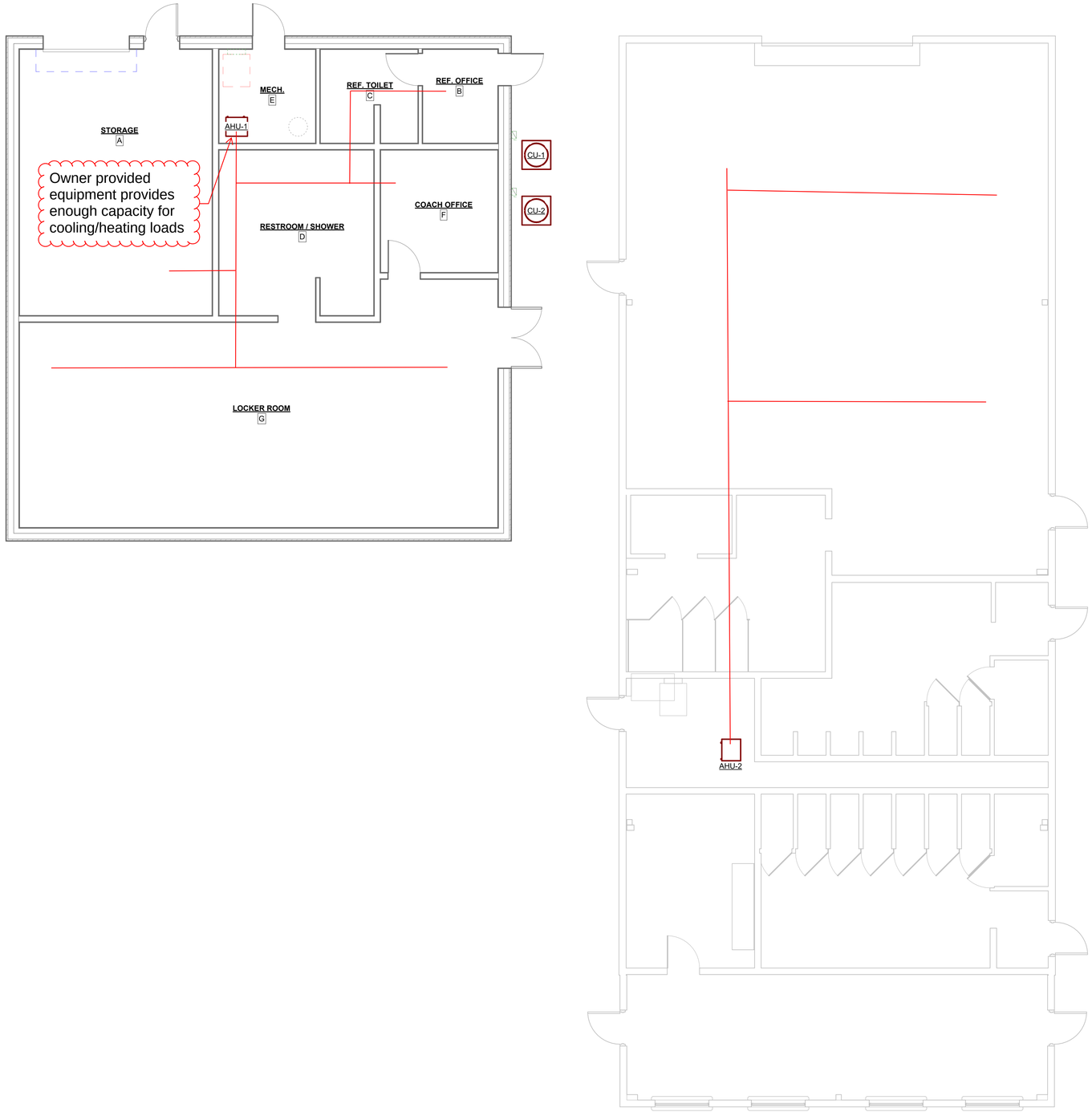

1 HVAC PLAN
3/16" = 1'-0"

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SHEET TITLE
HVAC PLAN

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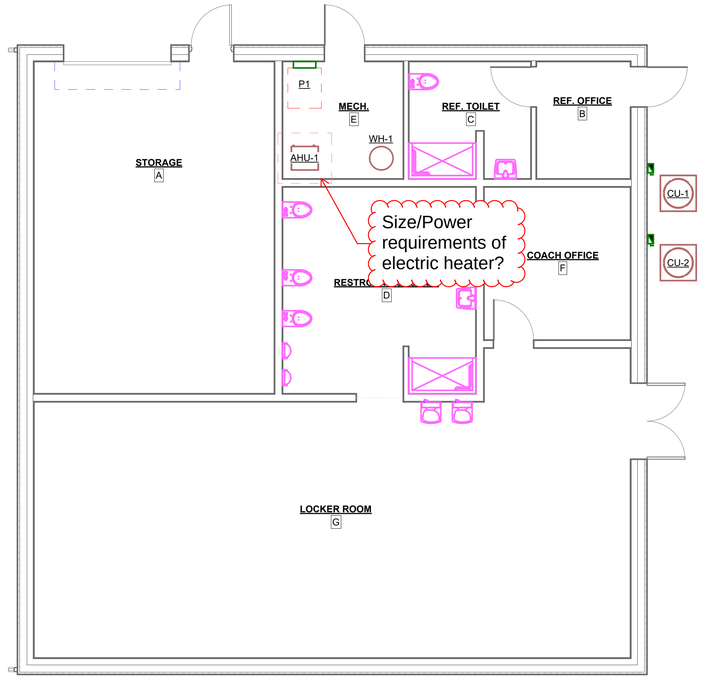
SHEET
M101



1 POWER PLAN
3/16" = 1'-0"

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