

PROJECT TEAM

OWNER: Lewis Central Community School District
ARCHITECT: BCDM Architects
OWNER'S REP: Project Advocates

LEWIS CENTRAL HIGH SCHOOL WRESTLING WALL REMOVAL

3504 Harry Langdon Blvd, Council Bluffs, IA 51503

BCDM NO: 5551-06

NOTE: THIS SHEET ORIGINALLY PRINTED IN COLOR

CODES:

- 2015 International Building Code
2021 Uniform Plumbing Code
2021 International Mechanical Code
2020 National Electrical Code
2015 International Fire Code
2015 NFPA 101 Life Safety Code
2012 International Energy Conservation Code
2010 ADA Standards for Accessible Design
2018 International Existing Building Code

PROJECT ADDRESS:

3504 Harry Langdon Blvd, Council Bluffs, IA 51503



VICINITY MAP NOT TO SCALE

GENERAL NOTES

- 1. CONTRACTOR SHALL REVIEW CONTRACT REQUIREMENTS AND PROCEDURES OUTLINED IN THE SPECIFICATIONS. THE WORK OUTLINED IN THE DRAWING AND SPECIFICATIONS SHALL BE INCORPORATED INTO THE GENERAL CONTRACT.
2. VERIFY MECHANICAL AND ELECTRICAL CONDITIONS FOR SCOPE AND INTERFACE. CONTRACTOR SHALL COORDINATE LOCATION FOR ALL MECHANICAL AND ELECTRICAL ITEMS WITH GENERAL CONSTRUCTION.
3. PROTECT ALL SITE LOCATIONS THAT ARE NOT DESIGNATED FOR REMOVAL. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, UNLESS NOTED OTHERWISE. REVIEW PLACEMENT OF WALLS WITH DETAILS AND FURNISHINGS, CASEWORK, OR MECHANICAL AND ELECTRICAL ITEMS.
5. THE OWNER HAS CONTRACTED SEPARATELY FOR THE EQUIPMENT SPECIFICALLY NOTED AS N.I.C. ON THE DRAWINGS. VERIFY SIZE AND LOCATION PRIOR TO LAYING OUT WORK.
6. CONTRACTOR SHALL CONTACT THE ARCHITECT IN THE EVENT THAT UNFORESEEN CONDITIONS ARE ENCOUNTERED.
7. ALL MATERIALS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ALL MECHANICAL OPENINGS AND OTHER OPENINGS OR PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED TO MAINTAIN RATINGS.
9. ALL WORK SHALL COMPLY WITH APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
10. SEE STRUCTURAL FOR CONTROL JOINTS AT INTERIOR SLABS-ON-GRADE.
11. THE CONTRACTOR SHALL PERFORM ALL TESTS AS SPECIFIED OR AS NECESSARY TO DEMONSTRATE COMPLETE SATISFACTORY INSTALLATIONS FOR ALL SYSTEMS PROVIDED UNDER THIS CONTRACT.
12. IF INSTANCES ARISE DURING CONSTRUCTION OF THE PROJECT THAT REQUIRE PENETRATIONS OF STRUCTURAL MEMBERS DUE TO METHODS OF ROUTING DUCTS, PIPES, ETC. DIFFERENT FROM ROUTING SHOWN ON THE DRAWINGS, COSTS FOR PENETRATION OF STRUCTURAL MEMBERS SHALL BE BORNE BY THE CONTRACTOR REQUIRING THE PENETRATION. BEFORE PENETRATION THROUGH A STRUCTURAL MEMBER CAN BE MADE, THE CONTRACTOR SHALL INFORM THE ARCHITECT OF HIS/HER INTENT AND SHALL AWAIT INSTRUCTIONS FROM THE ARCHITECT AS TO EXACT PLACEMENT OR, AND DETAILS FOR, SUCH PENETRATIONS.
13. ALL CEILING HEIGHTS LISTED ON REFLECTED CEILING PLAN ARE FROM THE FINISH FLOOR OF THE LISTED ROOM UNLESS NOTED OTHERWISE.
14. ALL CMU IS 8" THICK UNLESS NOTED OTHERWISE.
15. ALL ANGLES ON PLAN ARE 90 DEGREES OR 45 DEGREES UNLESS NOTED OTHERWISE.
16. TYPICALLY OFFSET ELECTRICAL BOXES INSTALLED ON OPPOSITE SIDES OF A PARTITION WALL. SEE ELECTRICAL SPECIFICATIONS.
17. AT THE LARGE SCALE COLUMN PLAN DETAILS, WALL TYPES ARE INDICATED. FOR CLARITY, IN SOME INSTANCES, NOT ALL STUDS AND/OR FURRING ARE SHOWN ON THE DETAIL. CONTRACTOR SHALL FRAME USING NORMAL FRAMING METHODS AND SHALL ALSO COMPLY WITH THOSE OUTLINED IN THE SPECIFICATIONS.
18. CONTRACTOR SHALL VISIT THE SITE AND REVIEW CONDITIONS PRIOR TO BIDDING.
19. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS FOR WORKABILITY, ADJACENT CONDITIONS, EFFECTS AND ACCESSIBILITY. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS PRIOR TO ORDERING RELATED MATERIALS OF CONSTRUCTION.
20. CONTRACTOR TO PATCH ALL HOLES (NEW & EXISTING) IN RATED WALLS ABOVE CEILING AS REQUIRED TO MAINTAIN OR PROVIDE RATING INDICATED.
21. COORDINATE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION.
22. PROTECT ALL EXISTING MATERIALS AND EQUIPMENT TO REMAIN.
23. PROVIDE DUST PROTECTION AS REQUIRED TO ISOLATE CONSTRUCTION AREAS. DUST PROTECTION SHALL BE 3/8" METAL STUD FRAMING WITH 5/8" GWB BOTH SIDES, WITH TAPED JOINTS AT RATED CONDITIONS AND 5/8" GWB ON OWNER OCCUPIED SIDE WITH UNRATED JOINTS AT NON-RATED CONDITIONS. CONTRACTOR RESPONSIBLE FOR CLEANING AREAS SOILED BY CONSTRUCTION ACTIVITY.
24. IT IS THE INTENT OF THIS CONTRACT THAT ALL AREAS AFFECTED BY CONSTRUCTION TO BE A FINISHED AND COMPLETE PROJECT. CONTRACTOR SHALL PATCH, REPAIR, AND JUST AS REQUIRED TO ACHIEVE THIS FINISHED PRODUCT. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WORK AFFECTED OR DAMAGED BY DEMOLITION TO MATCH NEW CONSTRUCTION. FINISH ALL SURFACES CORNER TO CORNER.
25. PATCH FLOORS IN AREAS OF DEMOLITION TO ACHIEVE A SMOOTH SURFACE FOR NEW FLOORING. IT IS ANTICIPATED THAT THE FLOOR LEVEL CHANGES WILL OCCUR AT AREAS WHERE WALLS ARE TO BE REMOVED. CONTRACTOR SHALL PATCH AND REPAIR FLOOR TO OBTAIN 1/8" PER 5 FOOT SLOPE MAXIMUM FINISHED SURFACE SLOPE.
26. WHENEVER THE CONTRACTOR ENCOUNTERS MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS, THE CONTRACTOR SHALL STOP WORK AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.
27. PROVIDE NEW LINTELS, AS SCHEDULED, AT ALL MASONRY OPENINGS CREATED BY DEMOLITION. INCREASE DEMOLITION AREA AT MASONRY OPENINGS THAT RESULT IN A 16 INCH OR LESS SECTION OF CONCRETE MASONRY UNIT (CMU) REMAINING, AND PROVIDE NEW LINTEL AS DETAILED FOR INCREASED SIZE OF OPENING.
28. ALL CONCRETE MASONRY UNIT (CMU) PATCHING SHALL BE SIZE AND TYPE TO MATCH EXISTING CMU AND SHALL BE TOOTHED-IN AT EXPOSED LOCATIONS. CONCRETE OR PLASTER PATCH IS UNACCEPTABLE AT CMU WALLS.

ARCHITECTURAL

- A1-0 COVER SHEET & DEMOLITION PLAN
A1-1 FLOOR PLAN/CODE REVIEW PLAN AND REFLECTED CEILING PLAN

STRUCTURAL

- S1-1 STRUCTURAL NOTES, DESIGN DATA, PLANS, & DETAILS

MECHANICAL / PLUMBING

MECHANICAL

- M1-0 FLOOR PLAN - FIRE SUPPRESSION

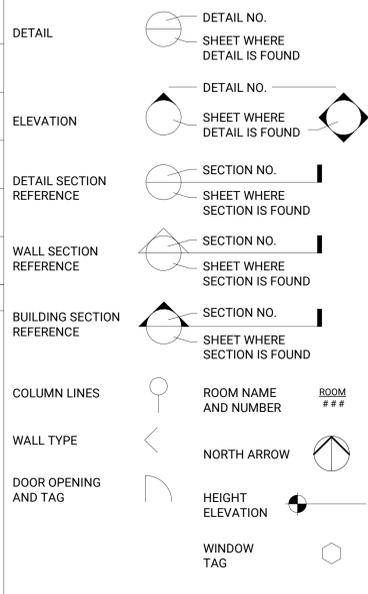
ELECTRICAL

- E0-0 ELECTRICAL COVER SHEET
E1-0 ELECTRICAL PLANS

MATERIALS

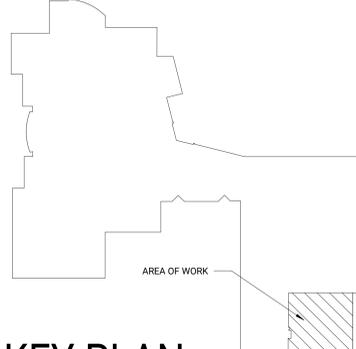
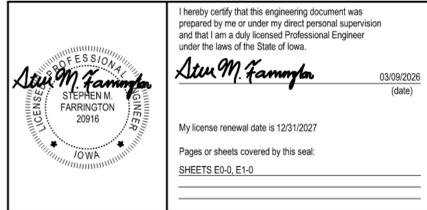
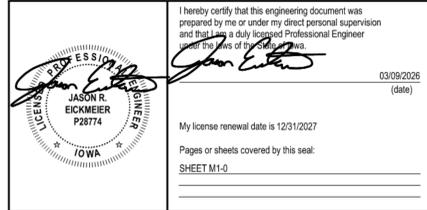
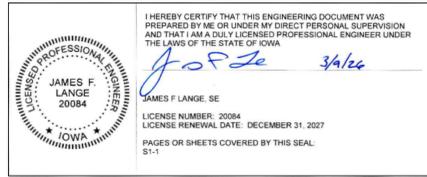
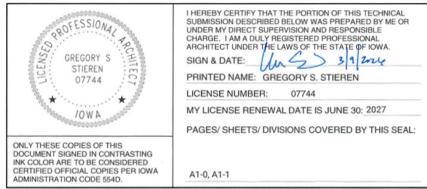
Table with columns for material type (EARTH, GRANULAR FILL, CONCRETE, etc.) and material description (GWB, BOARD OR PLAS., FOAMED IN PLACE INSUL., etc.).

REFERENCE SYMBOLS



DEMOLITION GENERAL NOTES

- 1. COORDINATE WITH MECHANICAL AND ELECTRICAL SHEETS FOR INFORMATION REGARDING NEW MECHANICAL PLUMBING AND ELECTRICAL ITEMS THAT REQUIRE EXISTING FLOOR SLAB, CEILING, AND WALL REMOVAL. ALSO, SEE MECHANICAL AND ELECTRICAL SHEETS FOR REMOVAL OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS. ALL PLUMBING FIXTURES, LIGHTING FIXTURES, AND OUTLETS SHALL BE CAPPED BELOW SLABS IN ACCORDANCE WITH PREVAILING CODE REQUIREMENTS.
2. DISCONNECT AND CAP ALL SERVICES (ELECTRICAL, MECHANICAL AND PLUMBING) IN EXISTING WALLS, FLOORS, AND CEILING TO BE REMOVED.
3. THE OWNER SHALL HAVE THE FIRST RIGHT OF SALVAGE FOR ALL ITEMS BEING REMOVED OR DEMOLISHED. IF OWNER DECLINES, THE CONTRACTOR SHALL REMOVE FROM THE PREMISES AND DISPOSE OF PROPERLY. VERIFY OWNERS INTENT PRIOR TO REMOVAL OR DEMOLITION.
4. REMOVE ALL WALLS, DOORS, WINDOWS, AND OTHER ITEMS SHOWN DASHED IN THE DRAWINGS. VERIFY THE SCOPE OF DEMOLITION WITH THE NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY WALL OR ITEM NOT SPECIFICALLY DESIGNATED OR NOTED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.
5. SEE DEMOLITION DRAWINGS FOR SALVAGE ITEMS.
6. PATCH FLOORS IN AREAS OF DEMOLITION TO ACHIEVE A SMOOTH SURFACE FOR NEW FLOORING AND WALLS AS REQUIRED TO RECEIVE NEW FLOOR FINISHES INDICATED ON THE ROOM FINISH SCHEDULE. FLOOR DEVIATIONS OVER 1/8" PER 5 FEET SHALL BE GROUND OUT OR FILLED TO ACHIEVE UNIFORM TRANSITION.
7. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING TO DETERMINE THE TOTAL QUANTITIES AND SCOPE OF DEMOLITION THAT IS TO OCCUR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING MATERIALS TO REMAIN RESULTING FROM WORK UNDER THIS CONTRACT, AND SHALL RESTORE SUCH DAMAGE TO ITS ORIGINAL CONDITION.
9. ALL WALLS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ELECTRICAL OUTLETS, SWITCHES, AND CONDUITS, TELEPHONE OUTLETS, WIRING, MECHANICAL PIPING, BASES AND PLUMBING, ETC.
10. ALL WINDOWS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL WINDOW TREATMENTS, ETC., UNLESS NOTED OTHERWISE.
11. COORDINATE ALL DEMOLITION WORK BETWEEN ALL TRADES.
12. CONTRACTOR SHALL NOTIFY ARCHITECT IF DEMOLITION WORK APPEARS TO AFFECT THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING BEFORE PROCEEDING.
13. ALL INFORMATION SHOWN ON THE DEMOLITION PLAN, INCLUDING DOORS, WALLS, CHASES, EQUIPMENT, CEILING, ETC., ARE NOT INTENDED TO REPRESENT THE TOTAL SCOPE OF THE DEMOLITION CONTRACT. THE INTENT OF THESE DRAWINGS IS TO ASSIST THE GENERAL CONTRACTOR WITH ESTIMATION ONLY WITHOUT LIMITING DEFINITION OF SCOPE. THE INTENT OF DEMOLITION IS TO COMPLETELY REMOVE ALL ITEMS, EXCEPT AS NOTED OTHERWISE, WITHIN THE CONTRACT AREA TO THE ORIGINAL STRUCTURE AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION WORK SHOWN IN THESE CONTRACT DOCUMENTS.
14. ALL DIMENSIONS ARE FOR BIDDING PURPOSES ONLY, AND SHALL BE VERIFIED AND COORDINATED WITH NEW CONSTRUCTION.
15. AT AREAS WHERE FLOOR REMOVAL IS REQUIRED FOR INSTALLATION OF NEW FOOTINGS, PLUMBING, ELECTRICAL, C/DUCTWORK, ETC., EXISTING CONCRETE SLAB SHALL BE SAW CUT AT PERIMETER OF DEMO AREA AND REPLACED WITH 4-INCH GRANULAR FILL, 1.5 MIL. VAPOR BARRIER AND 4-INCH CONCRETE WITH MESH.
16. COORDINATE REMOVAL OF ALL STRUCTURAL ITEMS WITH STRUCTURAL PLANS PRIOR TO DEMOLITION. REFER TO SPECIFICATION SECTION 02 41 00 FOR ADDITIONAL LANGUAGE.
17. CONTRACTOR SHALL HAUL ALL DEMOLITION DEBRIS COMPLETELY AWAY FROM THE SITE AND DISPOSE OF PROPERLY.
18. WHENEVER THE CONTRACTOR ENCOUNTERS MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS, THE CONTRACTOR SHALL STOP WORK AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.



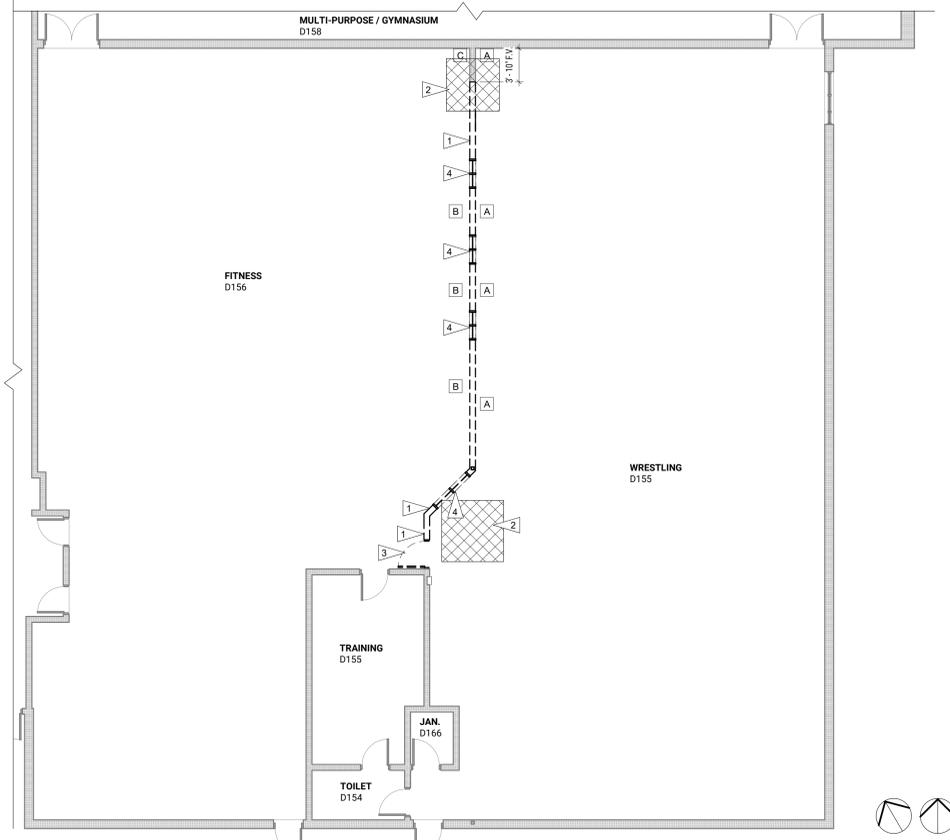
KEY PLAN

DEMOLITION FLAG NOTES

- 1. REMOVE WALL IN ITS ENTIRETY. COORDINATE EXTENT OF REMOVAL WITH ARCHITECTURAL FLOOR PLAN. PATCH AND PREP FLOOR TO RECEIVE NEW FINISHES. PATCH DISTURBED AREAS AS REQUIRED. PROVIDING SHORING AS REQUIRED.
2. REMOVE PORTION OF EXISTING FLOOR SLAB SHOWN SEE FLOOR PLANS AND STRUCTURAL FOR EXTENTS OF WORK.
3. REMOVE DOOR, FRAME, HARDWARE, AND ASSOCIATED GLAZING IN ITS ENTIRETY.
4. REMOVE WINDOW FRAME AND ASSOCIATED GLAZING IN ITS ENTIRETY.

DEMOLITION SALVAGE NOTES

- A. REMOVE AND EXISTING WALL MOUNTED PADS AND TURN OVER TO OWNER.
B. REMOVE EXISTING WALL MOUNTED TV AND TURN OVER TO OWNER.
C. AT THIS WALL, PROTECT PORTION OF WALL NORTH OF NEW COLUMN LOCATION TO REMAIN. CONTRACTOR TO COORDINATE LOCATION OF NEW COLUMN WITH STRUCTURAL.



1 DEMOLITION PLAN A1-0 1/8" = 1'-0" 0' 1' 8' 16'



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LEWIS CENTRAL HIGH SCHOOL WRESTLING WALL REMOVAL

3504 Harry Langdon Blvd, Council Bluffs, IA 51503

LEWIS CENTRAL COMMUNITY SCHOOL DISTRICT

COVER SHEET & DEMOLITION PLAN

A1-0

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-06
03/09/2026

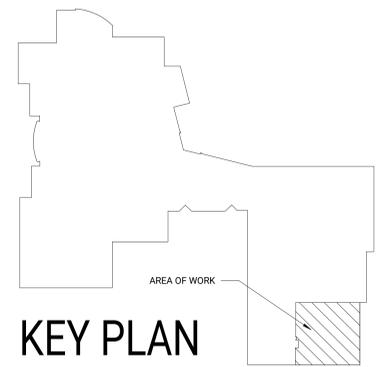
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KEY PLAN

REFLECTED CEILING PLAN GENERAL NOTES

1. WALLS THAT ARE INDICATED TO BE RATED SHALL EXTEND TO THE BOTTOM OF THE STRUCTURAL DECK. SEAL AT THE TOP OF SUCH WALLS AND AT PENETRATIONS THROUGH SUCH WALLS WITH FIRE SEALANT AND FIRE SAFING INSULATION.

REFLECTED CEILING PLAN FLAG NOTES

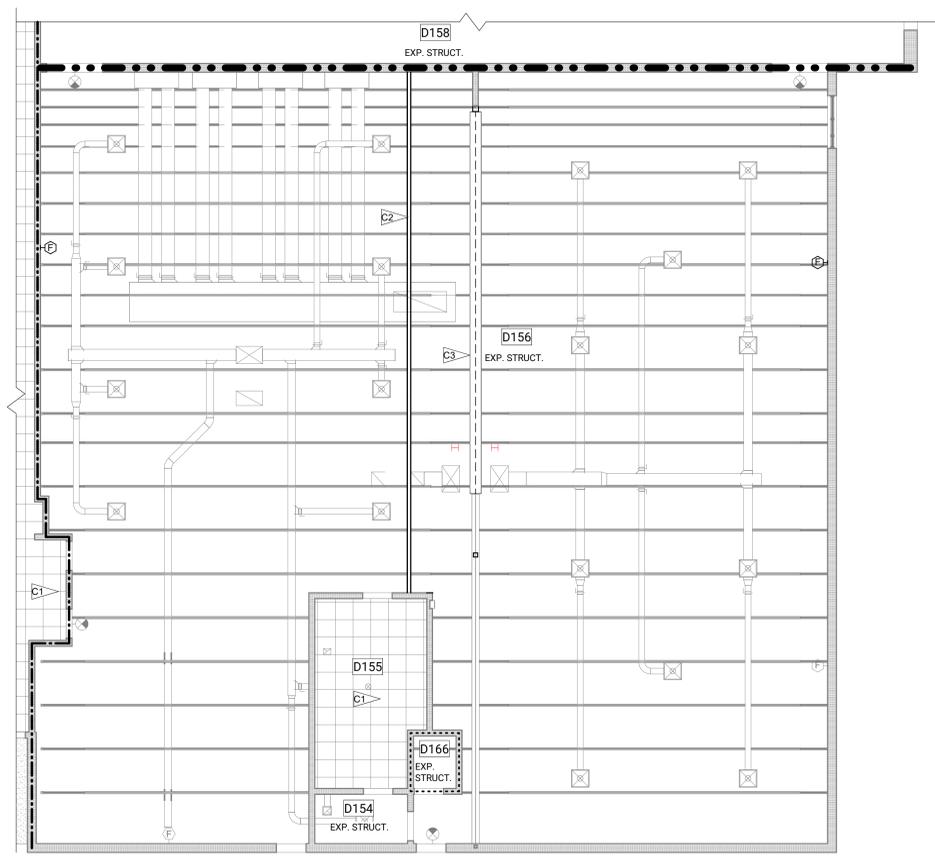
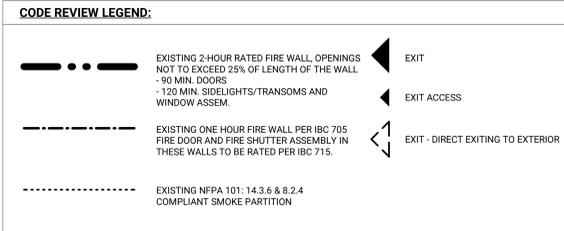
FLAG NOTES APPLY TO DETAIL 2/ A1-1 ONLY.

- C1 EXISTING ATC AND GRID TO REMAIN.
- C2 TEMPORARY PARTITION FOR DUST PROTECTION TO ISOLATE CONSTRUCTION AREAS. SEE GENERAL NOTES FOR WALL CONSTRUCTION.
- C3 TOUCH UP PAINT AT FACTORY PAINTED BEAM AS NEEDED TO MATCH EXISTING.

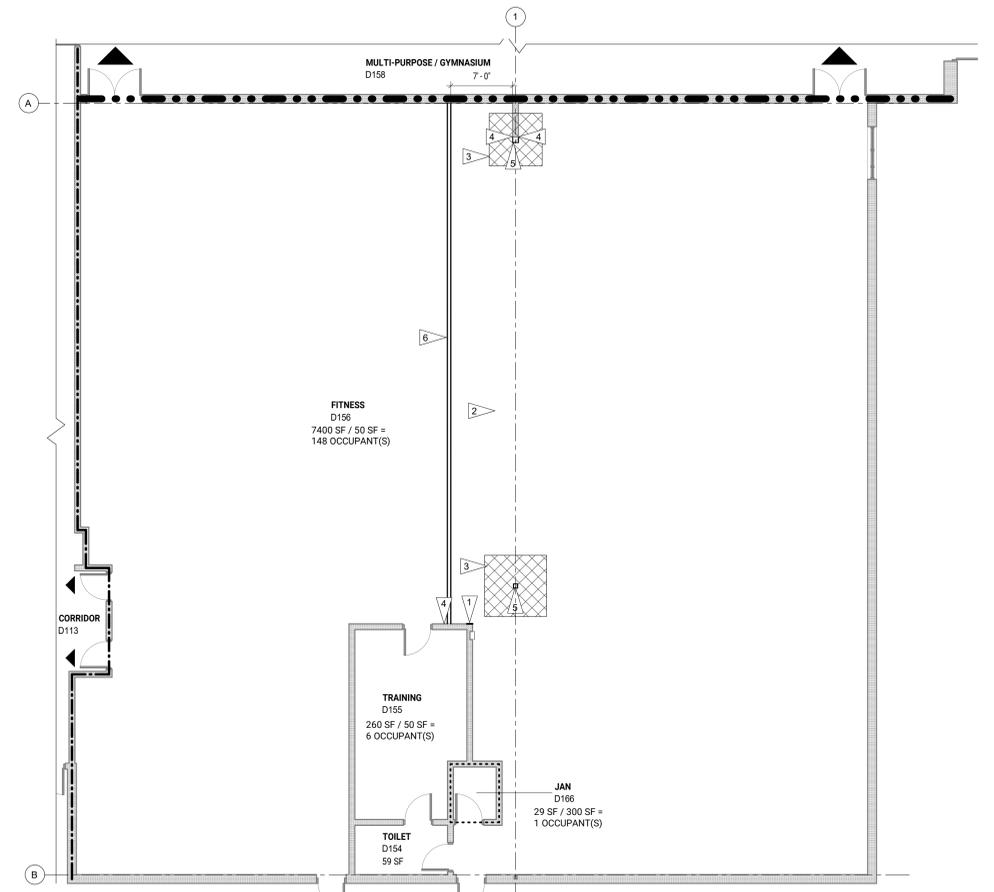
ARCHITECTURAL FLAG NOTES

FLAG NOTES APPLY TO DETAIL 1/A1-1 ONLY.

- 1 AT EXPOSED CMU WALL, PROVIDE 2x6 WOOD STUD FROM FLOOR TO TOP OF CMU, ANCHORED TO CMU WALL W/ (2) SIMPSON THD37300CS @ 24" OC STAGGERED. SEAL EDGES AND PAINT TO MATCH ADJACENT CONDITIONS.
- 2 CONTRACTOR TO GRIND EXISTING CONCRETE FLOOR AND/OR PROVIDE CONCRETE FLOOR UNDERLAYMENT AS REQUIRED TO PROVIDE A LEVEL FLOOR TO RECEIVE FLOOR FINISHES AT REMOVED WALL. MAXIMUM ACCEPTABLE VERTICAL IRREGULARITY SHALL BE 1/8" MEASURED OVER A 5'-0" TEMPLATE.
- 3 CONCRETE SLAB INFILL SHOWN [X] AS REQUIRED AT LOCATIONS FOR NEW CONCRETE FOOTINGS. SEE STRUCTURAL FOR ADDITIONAL INFORMATION AND EXTENTS OF WORK.
- 4 PATCH AND PAINT EXISTING WALLS TO MATCH ADJACENT CONDITIONS.
- 5 PROVIDE SEALANT AT EDGES BETWEEN CMU AND COLUMN. TOUCH UP PAINT AT FACTORY PAINTED COLUMN AS NEEDED TO MATCH EXISTING.
- 6 TEMPORARY PARTITION FOR DUST PROTECTION TO ISOLATE CONSTRUCTION AREAS. SEE GENERAL NOTES FOR WALL CONSTRUCTION.



2 REFLECTED CEILING PLAN
A1-1 1/8" = 1'-0" 0' 8' 16'



1 FLOOR PLAN/CODE REVIEW PLAN
A1-1 1/8" = 1'-0" 0' 8' 16'

REVISION SCHEDULE

#	Description	Date

LEWIS CENTRAL HIGH SCHOOL WRESTLING WALL REMOVAL

3504 Harry Langdon Blvd,
Council Bluffs, IA 51503

LEWIS CENTRAL COMMUNITY SCHOOL DISTRICT

FLOOR PLAN & REFLECTED CEILING PLAN

A1-1

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KEY PLAN

GENERAL ROOF PLAN NOTES

- REFER TO DESIGN DATA, SCHEDULES & TYP DETAILS
- # INDICATES KEYNOTE REFER TO PLAN FOR LOCATION
- UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO FACE OF WALL FRAMING OR CENTERLINE OF COLUMNS
- FRAMING KEY
— BEAR ON COLUMN
— FRAME INTO COLUMN
- INDICATES BOTTOM FLANGE KICKER - REFER TO DETAILS
- INDICATES SHORING POST REFER TO PLAN FOR CAPACITY

ROOF KEYNOTES

- REFER TO PLAN FOR LOCATION NOT ALL NOTES OCCUR ON EA SHEET
- WELD COLUMN CAP PL TO BEAM w/ 3/16" FILLET ALL AROUND
- PROVIDE 3/8" SHEAR PL EA SIDE OF WEB BOLTED TO NEW BEAM & FIELD WELDED TO EXISTING BEAM w/ 5/16" FILLET THREE SIDES & DOUBLE SHIM EA SIDE
- PROVIDE TEMPORARY L2x3x1/8 BOTTOM CHORD BRACING AT SHORING POSTS. ANGLE UP TO TOP CHORD AT EACH END
- PROVIDE 5" DIAMETER HOLE THROUGH BEAM WEB @ MID-HEIGHT FOR EXISTING FIRE SPRINKLER LINE. FIELD VERIFY LOCATION

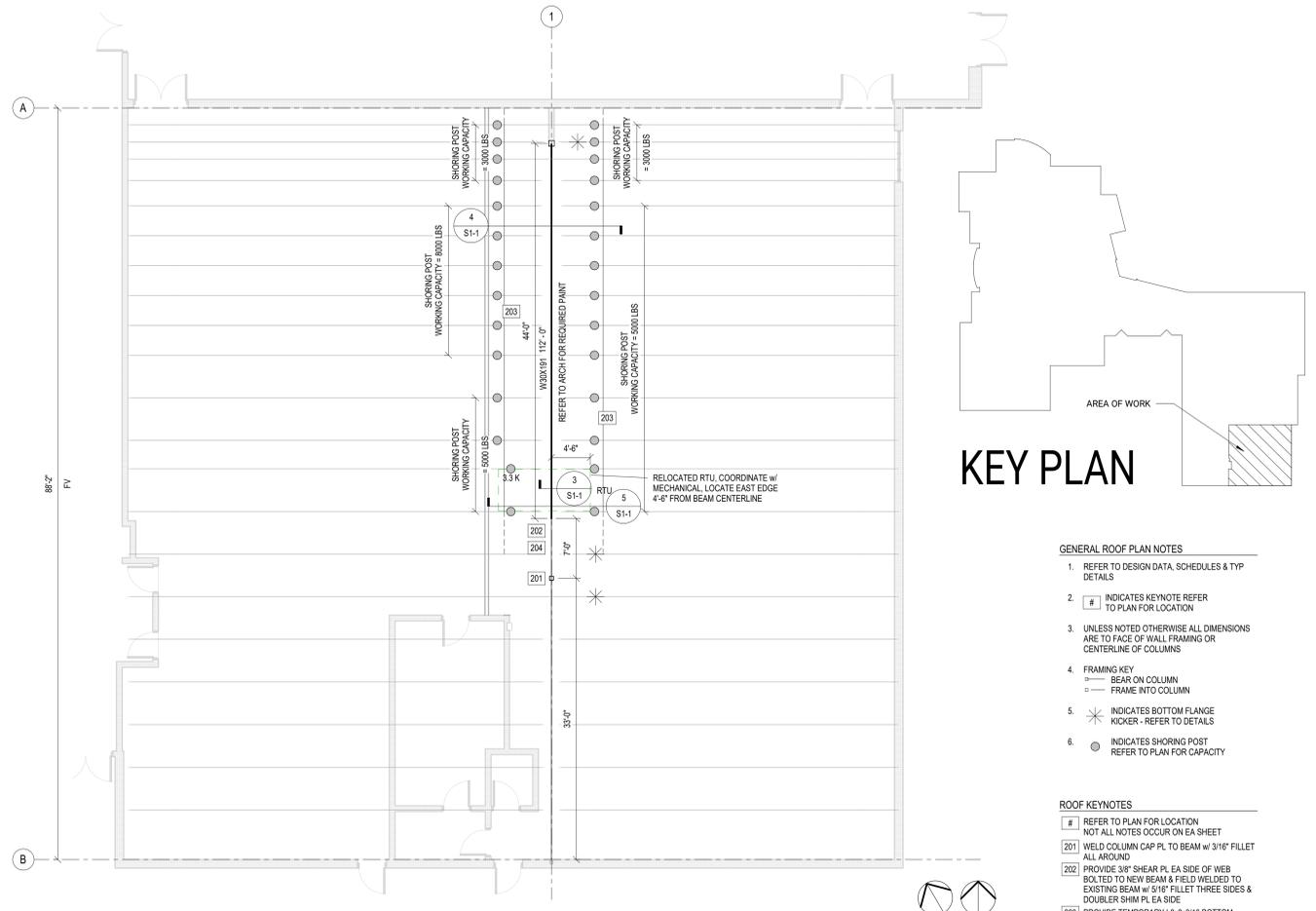
GENERAL FOUNDATION PLAN NOTES

- REFER TO DESIGN DATA, SCHEDULES & TYP DETAILS
- # INDICATES KEYNOTE REFER TO PLAN FOR LOCATION
- TOP = 89.4 UNLESS NOTED OTHERWISE
- COLUMN SCHEDULE GUIDE:
C-X COLUMN MARK
BP-X BASE PLATE MARK
F-X FOOTING MARK
XXX TOP OF FOOTING
- INDICATES SHORING POST REFER TO PLAN FOR CAPACITY PROTECT SHORING DURING DEMO

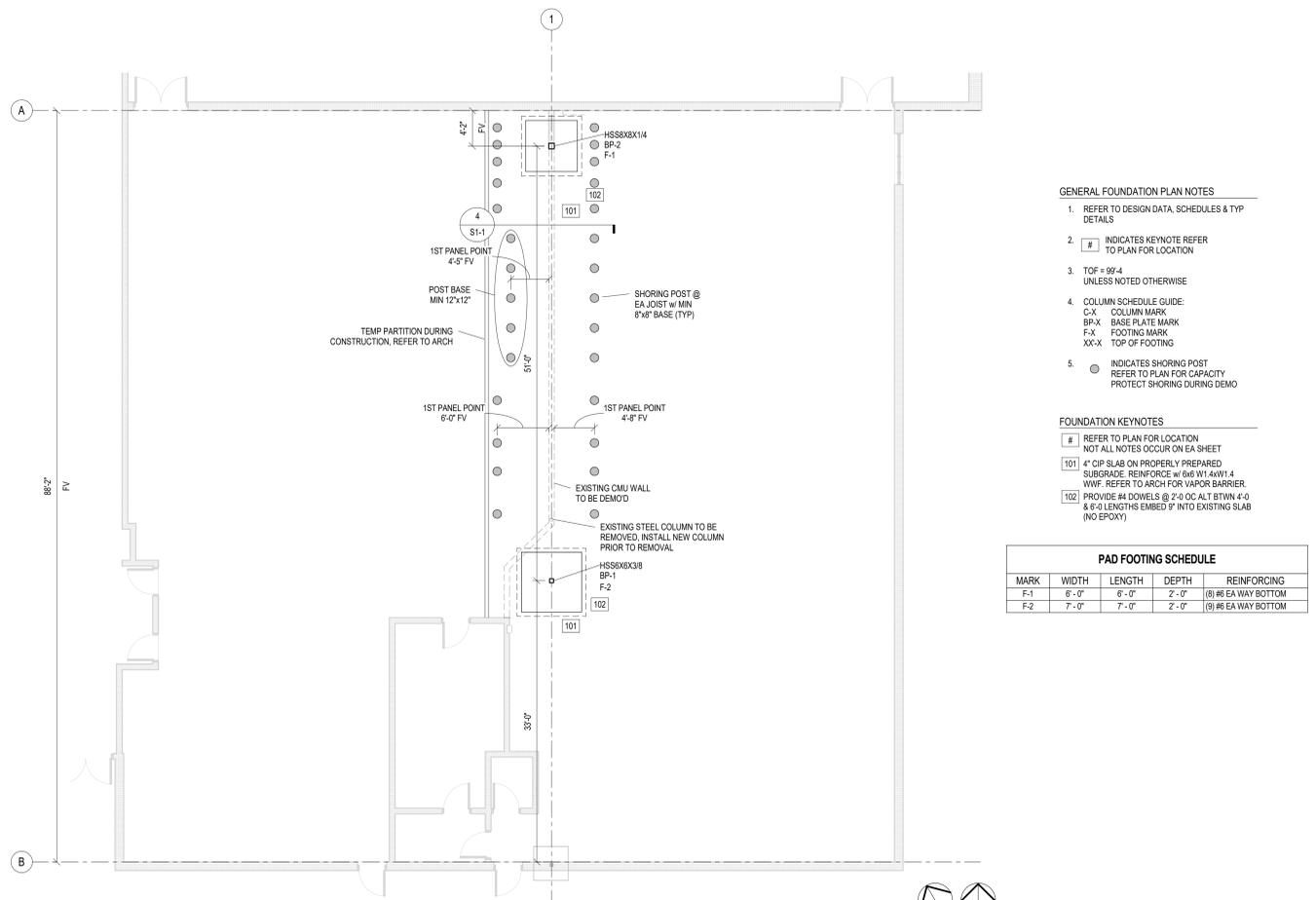
FOUNDATION KEYNOTES

- REFER TO PLAN FOR LOCATION NOT ALL NOTES OCCUR ON EA SHEET
- 4" CIP SLAB ON PROPERLY PREPARED SUBGRADE. REINFORCE w/ #6 W/ 4xW1.4 WW. REFER TO ARCH FOR W/WR BARRIER
- PROVIDE #4 DOWELS @ 2'-0" OC ALT BTWN 4'-0" & 6'-0" LENGTHS EMBED 9" INTO EXISTING SLAB (NO EPOXY)

MARK	WIDTH	LENGTH	DEPTH	REINFORCING
F-1	6'-0"	6'-0"	2'-0"	(8) #6 EA WAY BOTTOM
F-2	7'-0"	7'-0"	2'-0"	(9) #6 EA WAY BOTTOM



2 ROOF FRAMING
S1-1 1/8" = 1'-0" 0' 1' 8' 16'



1 FOUNDATION PLAN
S1-1 1/8" = 1'-0" 0' 1' 8' 16'

STRUCTURAL NOTES

GENERAL

- CONTRACT DOCUMENTS ARE INTENDED TO CONVEY THE STRUCTURAL DESIGN INTENT. THEY REPRESENT THE STRUCTURAL SYSTEMS, MATERIALS USED, TYPICAL DETAILS AND SPECIFIC DETAILS OF THE COMPLETED STRUCTURE. DETAILS MAY NEED TO BE ADAPTED BY THE CONTRACTOR, SUBCONTRACTOR, OR SUPPLIER IN SOME LOCATIONS. ANY DIVERGENCE FROM THESE DRAWINGS SHALL BE APPROVED BY THE ARCHITECT AND EOR AND SHALL BE CONSISTENT WITH THE DESIGN INTENT SHOWN.
- GENERAL CONTRACTORS RESPONSIBILITIES INCLUDE BUT ARE NOT LIMITED TO:
 - DETERMINE CONSTRUCTION SEQUENCE AND PROCEDURES.
 - PROVIDE A SAFE JOBSITE FOR WORKERS, SUBCONTRACTORS, TESTING AND INSPECTION AGENCIES, AND DESIGN PROFESSIONALS.
 - DESIGN AND INSTALLATION OF ALL SHORING AND TEMPORARY BRACING NECESSARY TO ENSURE THE SAFETY OF THE BUILDING, ITS COMPONENTS AND OCCUPANTS.
 - VERIFY AND COORDINATE DIMENSIONS AND ELEVATIONS SHOWN IN THE DRAWINGS. IF DISCREPANCIES EXIST, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO COMMENCING THAT PROCEDURE.
 - COORDINATE THE LOCATION AND LOADS OF MECHANICAL AND OWNER EQUIPMENT WITH THE STRUCTURE. OPENINGS AND EQUIPMENT SHOWN IN THE DRAWINGS ARE REPRESENTATIVE OF EQUIPMENT THAT MAY BE USED ON THIS PROJECT AND WHAT WAS USED AS THE BASIS FOR THE STRUCTURAL DESIGN, AND BIDDING PURPOSES. DEVIATIONS SHALL BE APPROVED BY THE ARCHITECT AND EOR.
 - IF CONFLICTS EXIST IN THE CONSTRUCTION DOCUMENTS THE STRICTEST PROVISIONS SHALL GOVERN.
 - DETAILS SHOWN IN TYPICAL LOCATIONS SHALL APPLY TO ALL LOCATIONS WITH THE SAME OR SIMILAR CONDITIONS.

REINFORCED CONCRETE

- REFER TO DESIGN DATA.
- ACI FIELD REFERENCE MANUAL, SP-15 SHALL BE FOLLOWED. AT LEAST ONE COPY SHALL BE AVAILABLE ON SITE DURING CONCRETING OPERATIONS.
- PROVIDE CONTROL JOINTS IN SLAB ON GRADE AS INDICATED BY THE DRAWINGS. IF NO CONTROL JOINTS ARE SHOWN, PROVIDE CONTROL JOINTS NO FURTHER THAN 30 TIMES THE SLAB THICKNESS (4" THICK SLAB = 12'-0"). CONTROL JOINTS SHALL PROVIDE A SQUARE SECTION WITH THE LENGTH NO GREATER THAN 1 1/2 TIMES THE WIDTH.
- UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, ALL CIP AND CMU WALLS SHALL BE CONNECTED TO THE FOUNDATION WITH DOWELS THAT MATCH THE WALL REINFORCING SIZE AND SPACING.
- REFER TO SCHEDULES FOR TYPICAL REINFORCING DETAILS.
- REBAR SHALL BE SPLICED TO PROVIDE A MINIMUM LAP AS FOLLOWS. TOP BARS ARE HORIZONTAL REINFORCING THAT IS PLACED WITH 12" OR MORE OF CONCRETE BELOW THE BAR.

BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BAR	24"	32"	40"	48"	70"	80"	91"	102"	113"
TYP BAR	19"	25"	31"	37"	54"	62"	70"	79"	87"

- PROVIDE CONCRETE COVER FOR ALL REINFORCING AS FOLLOWS:
 - CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
 - EXPOSED TO EARTH OR WEATHER
#8 BAR AND LARGER 3"
#5 BAR AND SMALLER 1 1/2"
 - INTERIOR EXPOSURE
BEAMS & COLUMNS 1 1/2"
WALLS 1 1/2"
SLABS AND JOISTS 3/4"
- PROVIDE AN ADDITIONAL (2) #5 BARS AROUND ALL RECTANGULAR OPENINGS IN CIP WALLS AND (1) #5 BAR AROUND ALL RECTANGULAR OPENINGS IN CIP SLABS. ADDITIONAL BAR SHALL EXTEND 24" MINIMUM BEYOND THE OPENING.
- ALL REBAR, EXCLUDING DOWELS INTO FOUNDATION, TO BE PROPERLY CHAIRED AND SECURED PRIOR TO PLACING OF CONCRETE. WET SETTING OF REBAR IS NOT PERMITTED.

STRUCTURAL STEEL

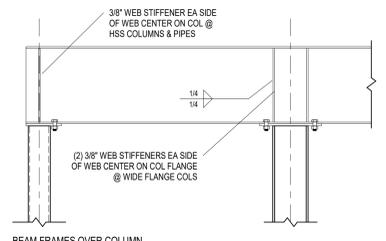
- REFER TO DESIGN DATA.
- FIELD CUTTING OR OTHER FIELD MODIFICATIONS TO THE STRUCTURAL STEEL SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE EOR.
- SIZES OF FILLET WELDS NOT SHOWN SHALL CONFORM TO THE MINIMUM SIZES AS SPECIFIED BY AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS."
- PROVIDE TWO COATS OF ASPHALTIC PAINT ON ALL STRUCTURAL STEEL EXPOSED TO THE SOIL OR BELOW SLAB ON GRADE.

SPECIAL INSPECTION

- SPECIAL INSPECTIONS TO BE PERFORMED BY A LICENSED STRUCTURAL ENGINEER OR CERTIFIED SPECIAL INSPECTOR WHO HAS BEEN CERTIFIED IN THE MATERIAL BEING INSPECTED.
- SPECIAL INSPECTION AND TESTING IS REQUIRED ON THIS PROJECT. THE FOLLOWING ENTITIES SHALL PERFORM THE FOLLOWING:
 - THE OWNER: SHALL HIRE A QUALIFIED SPECIAL INSPECTOR/TESTING AGENCY AS INDICATED BELOW.
 - THE GENERAL CONTRACTOR: SHALL COORDINATE THE REQUIRED SPECIAL INSPECTIONS WITH THE SPECIAL INSPECTOR AND SUB CONTRACTOR PERFORMING THE WORK.
 - THE SPECIAL INSPECTOR: SHALL INSPECT THE REQUIRED WORK AND SUBMIT A REPORT TO THE ARCHITECT/STRUCTURAL ENGINEER, AND THE BUILDING OFFICIAL, AS REQUIRED BY THE BUILDING OFFICIAL. THE REPORT SHALL INDICATE THE WORK WHICH WAS INSPECTED, THE WORK WHICH MET THE DESIGN SPECIFICATIONS, AND WORK WHICH DID NOT MEET THE DESIGN SPECIFICATIONS. REMEDIAL ACTION REQUIRED BY THE STRUCTURAL ENGINEER OF RECORD, AND REMEDIAL ACTION COMPLETED. ONCE THE INSPECTIONS ARE COMPLETE, A FINAL STATEMENT OF SPECIAL INSPECTION SHALL BE SUBMITTED INDICATING THAT THE CONSTRUCTION MET THE REQUIRED SPECIFICATIONS, OR ANY NON-COMPLIANCE WHICH EXISTS.
- SCOPE AND FREQUENCY OF INSPECTIONS SHALL BE AS PER SPECIFICATIONS OR AS MINIMUM PER REFERENCED STANDARDS.
- THE FOLLOWING TABLE PROVIDES A GENERAL OVERVIEW OF THE REQUIRED INSPECTIONS. REFER TO REFERENCED CODE SECTIONS FOR SPECIFIC REQUIREMENTS.

MATERIAL (IBC2018)	REFERENCED STANDARD	APPLIES TO	NOTES
STEEL (1705.2)	ASCE 360-16	WELDING HIGH-STRENGTH BOLTING STEEL FRAME DETAILS (BRACING, STIFFENING, MEMBER LOCATIONS, AND CONNECTIONS)	SHOP FABRICATION SEE 1704.2.5
CONCRETE (1705.3)	IBC TABLE ACI 318-14	REINFORCEMENT MATERIAL, WELDING, AND PLACEMENT ANCHORS CAST AND POST-INSTALLED DEPEND ON AND INST. STRENGTH PLACEMENT / ERECTION / CURING	EXCLUDES SLAB ON GRADE, SIDEWALKS AND PAVING
SOILS (1705.6)	IBC TABLE	SITE PREPARATION; COMPACTED FILL	
WIND (1705.11)	NOT REQUIRED	NOT REQUIRED	
SEISMIC (1705.12)	NOT REQUIRED	NOT REQUIRED	

BEAM SIZE	W27	W30
2" COPE	6	7
4 1/2" COPE	6	7



BEAM CONNECTION SCHEDULE AND TYPICAL DETAILS

DESIGN DATA

GOVERNING CODE: 2015 INTERNATIONAL BUILDING CODE

FOUNDATION PARAMETERS:

A SOILS INVESTIGATION HAS NOT BEEN PERFORMED ON THIS SITE. THE CONTRACTOR SHALL VERIFY THAT THE FOUNDATION SUBGRADE IS SUITABLE TO SUPPORT THE STRUCTURE BASED ON THE ASSUMED BEARING PRESSURE. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF THE SUBGRADE IS FOUND TO BE UNACCEPTABLE.

MINIMUM FOOTING DEPTH FOR FROST (BELOW FINISH GRADE) 42 IN
ASSUMED ALLOWABLE SOIL BEARING PRESSURE: FOOTINGS 3500 PSF

DESIGN LOADS:

BUILDING RISK CATEGORY III
ROOF LIVE LOAD:
MINIMUM LIVE LOAD 20 PSF
MECH. UNITS REFER TO PLAN

SNOW:

GROUND SNOW (P_s) 25 PSF
FLAT ROOF SNOW (P_f) 20 PSF
MIN FOR DESIGN (ASD) 25 PSF
SNOW EXPOSURE (C_e) 1.0
THERMAL FACTOR (C_t) 0.8
SLOPE FACTOR (C_s) 1.0
SNOW IMPORTANCE FACTOR (I_s) 1.1
UNBALANCED SNOW LOADS ASCE 7-16 SECTION 7.8
SNOW DRIFTING REFER TO PLAN

RAIN INTENSITY:

60 MIN DURATION 4.28 INHR
15 MIN DURATION 7.99 INHR

WIND:

ULTIMATE WIND SPEED (V) 120 MPH
ASD WIND SPEED (V_{asd}) 93 MPH
SERVICE WIND (25 YR MR) 84 MPH
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT 0.18
NET UP/LIFT ON JOIST 15 PSF

SEISMIC:

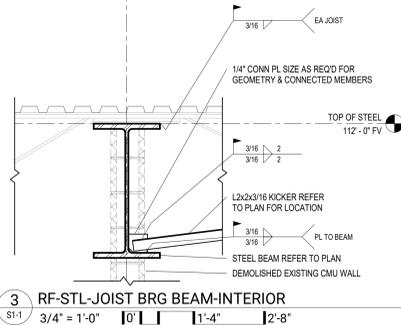
SEISMIC IMPORTANCE FACTOR (I_s) 1.0
SITE CLASS D
S₁ 0.045
S₂ 0.088
S₃ 0.071
SEISMIC DESIGN CATEGORY B
BASIC SEISMIC-FORCE RESISTING SYSTEM EXISTING MASONRY BEARING WALLS

MATERIAL PROPERTIES:

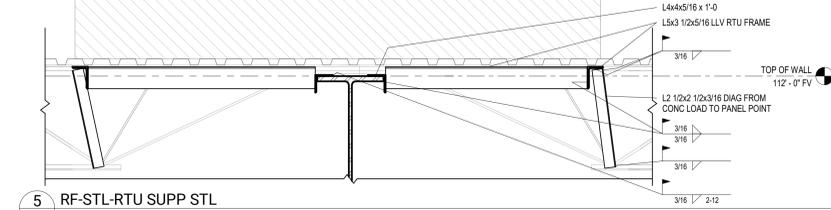
REINFORCED CONCRETE:
28 DAY CONCRETE STRENGTHS (MINIMUM):
FOOTINGS f_c 4000 PSI w/c 0.48
SLAB ON GRADE f_c 3500 PSI 0.50
SUPPORTED SLABS AND STOOPS 4000 PSI 0.48
WALLS 4000 PSI 0.48
REINFORCING BARS ASTM A615 GRADE 60
WELDED BARS AND ANCHORS ASTM A706 GRADE 60
WELDED WIRE FABRIC A185 CSA G30.5

STRUCTURAL STEEL:

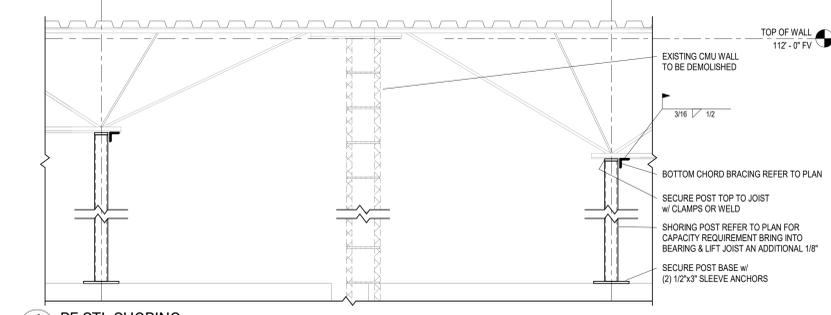
W SHAPES ASTM A992
ROLLED SHAPES & PLATES ASTM A36
TUBES ASTM A575 GRADE B
PIPES ASTM A53 TYPE E OR S
WELDING ELECTRODES E70XX
BOLTS ASTM F1554 GRADE A325
ANCHOR RODS ASTM F1554 GRADE 55
EXPANSION BOLTS HLTJ KVIK BOLT 3 OR APPROVED EQUIV.
ADHESIVE ANCHORS HILTI HIT-HY 200 (HY 270 MASONRY) OR APPROVED EQUIV. SIMPSON TITEN HD OR HILTI HUS-H
SCREW ANCHORS OR APPROVED EQUIV.
SLEEVE ANCHORS HLTJ HLC
FASTENERS IN CONTACT W/ TREATED LUMBER 304 OR 316 STAINLESS, GALVANIZED ASTM F2329 OR A193 OR APPROVED EQUIV.



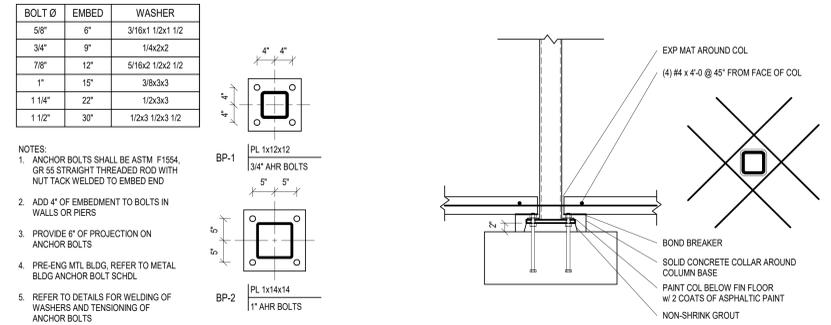
3 RF-STL-JOIST BRG BEAM-INTERIOR
S1-1 3/4" = 1'-0" 0' 1' 4" 2'-8"



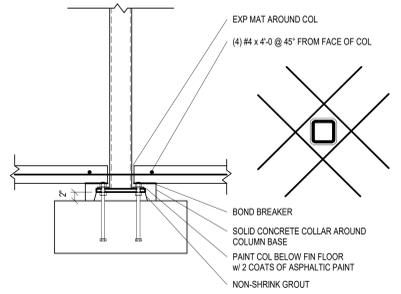
5 RF-STL-RTU SUPP STL
S1-1 3/4" = 1'-0" 0' 1' 4" 2'-8"



4 RF-STL-SHORING
S1-1 3/4" = 1'-0" 0' 1' 4" 2'-8"



1 BASE PLATE AND ANCHOR BOLT SCHEDULE



2 TYPICAL COLUMN BASE DETAIL

LEWIS CENTRAL HIGH SCHOOL WRESTLING WALL REMOVAL

3504 Harry Langdon Blvd,
Council Bluffs, IA 51503

LEWIS CENTRAL COMMUNITY SCHOOL DISTRICT

STRUCTURAL NOTES, DESIGN DATA, PLANS, & DETAILS

S1-1

MECHANICAL SPECIFICATIONS

SECTION 210100 - GENERAL REQUIREMENTS FOR FIRE SUPPRESSION

A. RELATED DOCUMENTS

- 1. Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this Section.
- 2. Division 21, 22 and 23 Conditions apply to this Section.

B. SUMMARY

- 1. This Section includes general mechanical requirements and shall apply to all phases of the work specified indicated on the drawings or required to provide for complete installation of fire suppression systems.
- 2. Refer to Section 230100 for General Requirements for Mechanical
- 3. Refer to Section 230500 for Basic Mechanical Materials and Methods

SECTION 211000 - WATER-BASED FIRE SUPPRESSION SYSTEMS

- A. The existing building is protected by a wet pipe NFPA 13 fire sprinkler system. Contractor shall verify existing conditions including pipe sizes and locations, sprinkler head locations, flow switches, zone valves, available pressure, etc. Contractor shall provide all equipment and materials necessary to modify system to meet requirements of NFPA 13 and the Authority Having Jurisdiction.
- B. Fire sprinkler heads and piping shall be installed as high as possible. Coordinate location of all sprinkler heads and piping with all other trades. If conflicts do occur such that lights, ductwork or ceiling systems cannot be installed due to sprinkler piping interference, the piping shall be relocated at no additional cost to the project.
- C. Coordinate existing fire sprinkler piping layout and new layout with sheet metal contractor, all other trades and Owner. Existing fire sprinkler system including all main piping shall be modified to accommodate new duct routing.
- D. New fire sprinkler heads in areas without ceilings shall be upright or pendant type heads with cages.
- E. All fire sprinkler piping, heads and accessories shall be constructed of materials that meet the requirements of NFPA 13 and Authority Having Jurisdiction.
- F. All fire sprinkler piping, heads and accessories shall be constructed of materials that meet the requirements of NFPA 13 and Authority Having Jurisdiction. Thinwall and CPVC piping will not be allowed.

SECTION 230100 - GENERAL REQUIREMENTS FOR MECHANICAL

- A. WARRANTIES - All materials, workmanship and equipment shall be warranted against defects or against injury from proper and usual wear for a period of one year after the date of substantial completion. Any item that becomes defective within the warranty period shall be repaired or replaced, at no additional cost to the Owner. Warranty shall include repair of faulty workmanship.

B. DEFINITIONS ABBREVIATIONS - The following shall apply throughout the contract documents:

Furnish Indicated	Supply and deliver to site ready for installation
Provide ADA	Noted, scheduled or specified
ANSI	Americans with Disabilities Act
ASME	American National Standards Institute
ASHRAE	American Society of Mechanical Engineers
NEC	National Electric Code (NFPA 70)
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
SMACTA	Sheet Metal and Air Conditioning Contractors National Association
UL	Underwriters Laboratories Inc.

- C. CODES AND STANDARDS - All work shall be performed by competent craftsmen skilled in the trade involved and shall be done in a manner consistent with normal industry standards. All work shall conform to the currently adopted edition of the National Electric Code (NEC), Local Building Code, Local Plumbing Code, Local Mechanical Code, Local Fire Code, and all other applicable state and local codes or standards. Where there is a conflict between the code and the contract documents, the code shall have precedence only then is more stringent than the contract documents.

- D. PERMITS - Contractor shall become familiar and comply with all requirements regarding permits, fees, licenses, etc. All permits, licenses, inspections and arrangements required for the work shall be obtained by Contractor's effort and expense. All utilities shall be installed in accordance with the local rules and regulations and all charges shall be paid by the Contractor.

- E. SUBMITTALS - Shop drawings shall be submitted to Architect/Engineer for all items of mechanical equipment including the following:

- 1. Shop drawings include fabrication and installation drawings, diagrams, schedules and other data specifically prepared for the project. Include dimensions and notations showing compliance with specified standards. Unless otherwise noted, submit a minimum of six (6) copies of shop drawings for review. Electronic copies (in pdf format) by e-mail are acceptable in lieu of hard copies.

- 2. Architect/Engineer will review or take appropriate action for submittals. Review is only to determine general conformance with design shown in contract documents. Review of submittals shall not relieve contractor of responsibility for deviation from requirements of the contract documents or from errors or omissions within submittals.

- F. MATERIALS - All materials and equipment used in the construction of the project shall be new unused and undamaged unless otherwise specified. Materials and equipment shall be of latest design standards of manufacturer specified. Verify installation details and requirements for materials and equipment furnished by others and installed under this contract.

- G. DEMONSTRATION AND TRAINING - Instruct Owner's personnel to adjust, operate, and maintain mechanical systems. Schedule training with Owner with at least seven days' advance notice.

- H. STARTING AND ADJUSTING - Start and test all equipment and operating components to confirm proper operation. Test and adjust all systems to achieve designed capacity and performance. All equipment and systems discrepancies shall be corrected prior to final acceptance.

SECTION 230500 - BASIC MECHANICAL MATERIALS AND METHODS

- A. PIPING INSTALLATION: Install piping at required slope. Install components with pressure rating equal to or greater than system operating pressure. Install piping in concealed locations, except in equipment rooms and service areas. Install piping free of sags and bends. Install piping at right angles or parallel to building walls. Install piping tight to slabs, beams, joists, columns, walls, and other building elements. Locate groups of pipes parallel to each other, spaced to permit valve servicing. Install fittings for changes in direction and branch connections. Install pipe escutcheons for exposed pipe penetrations walls and ceilings. Install sleeves for pipes passing through concrete and masonry walls, and concrete floor and roof slabs. Provide dielectric fittings where two different types of pipe materials are joined. Comply with MSS-60 for pipe hanger selection and application.

- B. EQUIPMENT INSTALLATION: Install equipment per manufacturer's recommendations. Install equipment as high as possible. Install equipment level and plumb, parallel and perpendicular to building. Install mechanical equipment to facilitate service, maintenance, and repair or replacement of components. Connect equipment for ease of disconnecting, with minimum interference to other installations. Install equipment giving right of way to piping installed at required slope.

- C. LABELING AND IDENTIFYING
Piping: Provide pipe markers on each system where pipe is exposed to view and above removable ceilings. Include pipe description of system and arrows showing normal direction of flow.
Equipment: Install engraved plastic-laminate sign or equipment marker on or near each major item of mechanical equipment.

- D. CUTTING AND PATCHING: Cut, channel, chase, and drill floors, walls, partitions, ceilings, and other surfaces necessary for mechanical installations. Perform cutting by skilled mechanics of trades involved. Repair out surfaces to match adjacent surfaces.

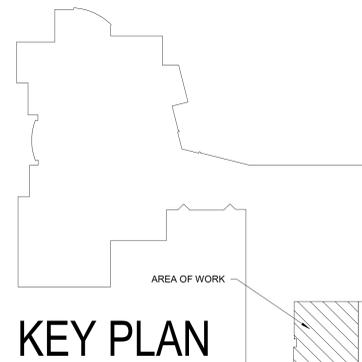
MECHANICAL SYMBOLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
FIRE PROTECTION			
P 1 V	POST INDICATOR VALVE	~	FIRE HYDRANT
F D C	FIRE DEPARTMENT CONNECTION	—S—	O.S. & Y. VALVE
☒	FIRE HOSE CABINET	☒	FLOW SWITCH
☒	FIRE VALVE CABINET		

GENERAL DEMOLITION NOTES

- 1. ALL MECHANICAL ITEMS SHOWN ARE EXISTING. NOT ALL EXISTING MECHANICAL ITEMS ARE SHOWN. ITEMS MARKED (E) SHALL REMAIN AS IS UNLESS OTHERWISE NOTED. REMOVE ITEMS SHOWN DASHED AND/OR MARKED (D). RELOCATE ITEMS MARKED (R).
- 2. EXISTING DRAWINGS ARE BASED ON EXISTING CONSTRUCTION DOCUMENTS AND APPROXIMATIONS FROM FIELD OBSERVATIONS. DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING WORK. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, OR FIELD CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION BEFORE PROCEEDING.
- 3. HOLES CUT IN WALLS, FLOORS, AND CEILINGS TO PERMIT THE REMOVAL OF EQUIPMENT, PIPING, ETC. SHALL BE CAREFULLY MADE AND RESTRICTED TO THE SMALLEST PRACTICAL SIZE. PATCH ALL HOLES NOT REQUIRED FOR NEW WORK TO MATCH EXISTING.
- 4. THE OWNER RESERVES THE FIRST RIGHT OF SALVAGE OF ANY ITEMS REMOVED. CONTRACTOR SHALL REMOVE ALL UNWANTED MATERIALS FROM THE SITE. OWNER'S DUMPSTER OR OTHER TRASH RECEPTACLES ARE NOT TO BE UTILIZED.
- 5. COORDINATE PHASING OF DEMOLITION AND REMOVAL WITH GENERAL CONTRACTOR. PLAN ALL WORK TO MINIMIZE SHUT DOWNS. WHERE APPLICABLE, COORDINATE EXTENT OF DEMOLITION WORK WITH NEW WORK.
- 6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING EQUIPMENT AND SYSTEMS DURING CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST.

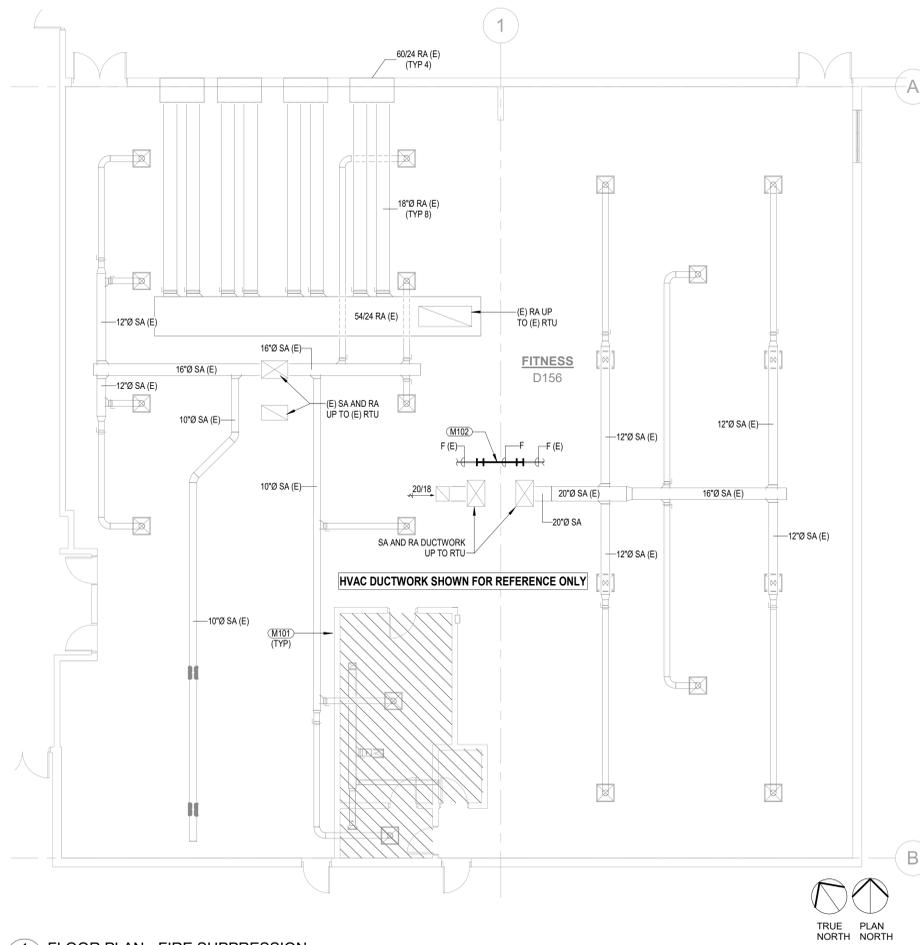
FIRE SPRINKLER GENERAL NOTES

- 1. THE MAJORITY OF THE BUILDING IS CURRENTLY PROTECTED BY A WET PIPE NFPA 13 FIRE SPRINKLER SYSTEM. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS INCLUDING PIPE SIZES AND LOCATIONS, SPRINKLER HEAD LOCATIONS, FLOW SWITCHES, ZONE VALVES, AVAILABLE PRESSURE, ETC. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND MATERIALS NECESSARY TO MODIFY EXISTING SYSTEM TO ACCOMMODATE MODIFICATIONS TO FLOOR AND CEILING PLANS AND MEET REQUIREMENTS OF NFPA 13 & THE AUTHORITY HAVING JURISDICTION.
- 2. EXISTING FIRE SPRINKLER SYSTEM CONSISTS OF BLACK STEEL MAINS AND BRANCH PIPING. SPRINKLER HEADS ARE RECESSED, CHROME WITH CHROME ESCUTCHEONS (FIELD VERIFY). ALL NEW MATERIALS SHALL MATCH EXISTING.
- 3. INSTALL NEW PIPING AND SPRINKLER HEADS IN AREAS OF NEW WORK TO PROVIDE SPRINKLER SYSTEM MEETING THE REQUIREMENTS OF NFPA 13 AND THE AUTHORITY HAVING JURISDICTION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



KEYNOTES

- M101 DO NOT ROUTE PIPING OVER ELECTRICAL PANELS. MAINTAIN ALL CODE REQUIRED CLEARANCES.
- M102 REMOVE EXISTING FIRE SPRINKLER MAIN PIPING THROUGH EXISTING WALL. PROVIDE NEW PIPING TO ROUTED THROUGH NEW STRUCTURAL BEAM AND RECONNECT TO EXISTING MAIN PIPING. COORDINATE EXACT LOCATION THROUGH BEAM WITH STRUCTURAL. FIELD VERIFY EXACT SIZE, LOCATION AND ELEVATION OF EXISTING PIPING PRIOR TO CONNECTION. TRANSITION, EXTEND AND OFFSET NEW PIPING AS REQUIRED TO MAKE CONNECTION AND AVOID CONFLICTS. EXPOSED FIRE SPRINKLER PIPING IN THIS SPACE WILL BE PAINTED TO MATCH THE CEILING.



1 FLOOR PLAN - FIRE SUPPRESSION
M1-0 1/8" = 1'-0" [0' | 8' | 16']



MEI PROJECT NO. 26110

morrissey engineering inc
mechanical | electrical | lighting | technology | sustainability
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Nebraska COA Number: CA-0835
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LANGE STRUCTURAL GROUP
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Lincoln, NE 68506

MECHANICAL + ELECTRICAL ENGINEER

MORRISSEY ENGINEERING
4940 North 118th Street
Omaha, NE 68164

#	Description	Date

LEWIS CENTRAL HIGH SCHOOL WRESTLING WALL REMOVAL
3504 Harry Langdon Blvd,
Council Bluffs, IA 51503

LEWIS CENTRAL COMMUNITY SCHOOL DISTRICT

FLOOR PLAN - FIRE SUPPRESSION

M1-0

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-06
03/09/2025

KEYNOTES

E001 REMOVE DEVICE AND SET ASIDE FOR RELOCATION. SEE NEW WORK PLANS FOR NEW LOCATION.

E002 REMOVE DEVICE AND ALL WIRING BACK TO SOURCE.

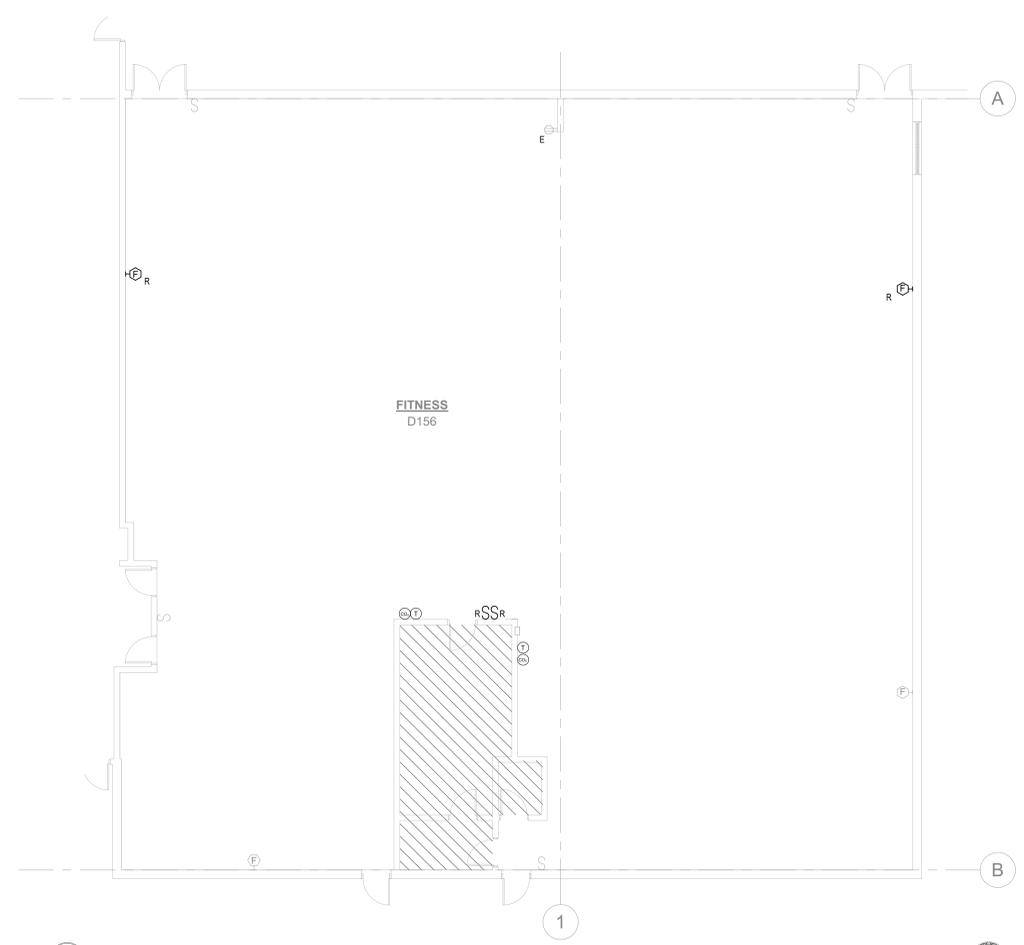


PROJECT TEAM

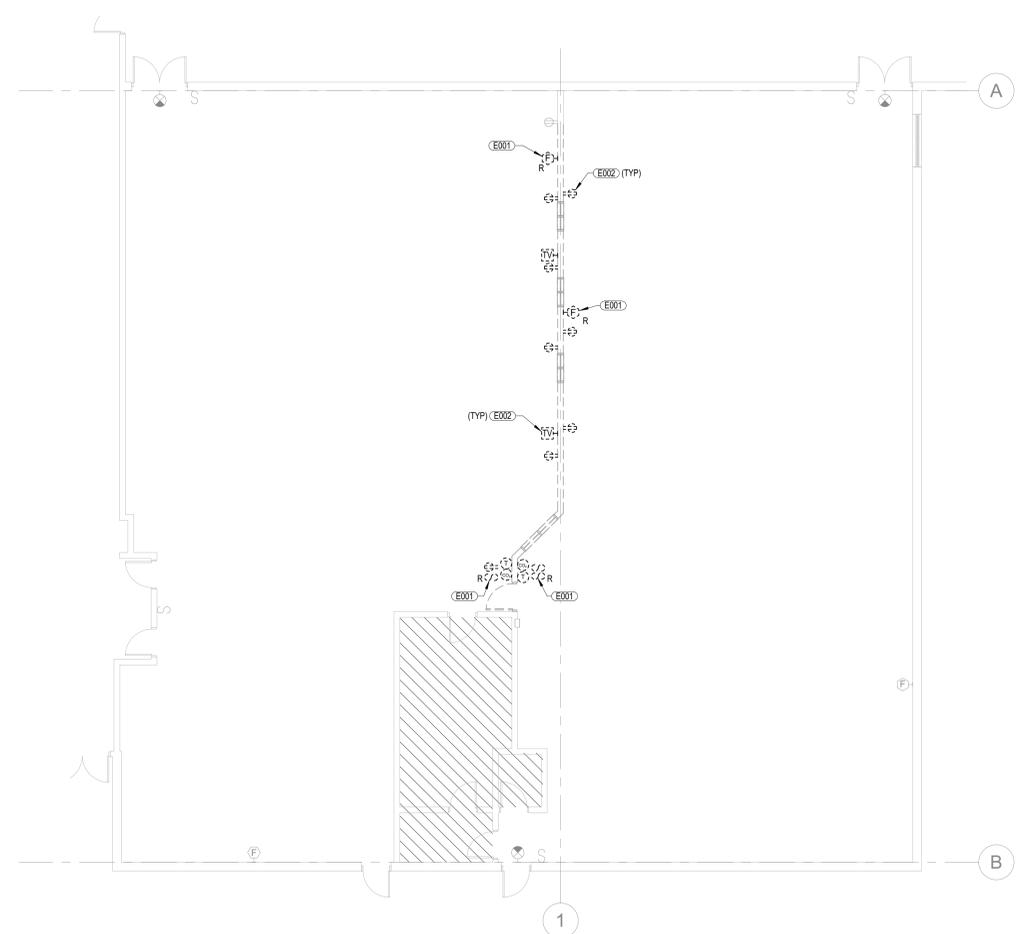
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3 FIRST FLOOR - ELECTRICAL
 E1-0 1/8" = 1'-0"



1 FIRST FLOOR - ELECTRICAL DEMOLITION
 E1-0 1/8" = 1'-0"

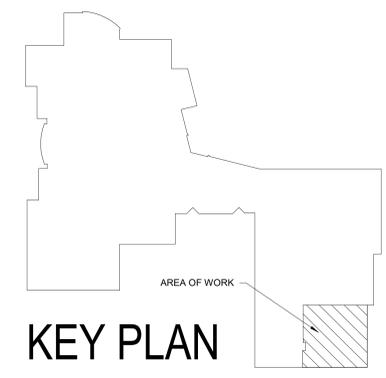


#	Description	Date

LEWIS CENTRAL HIGH SCHOOL WRESTLING WALL REMOVAL
 3504 Harry Langdon Blvd,
 Council Bluffs, IA 51503

LEWIS CENTRAL COMMUNITY SCHOOL DISTRICT

ELECTRICAL PLANS



MEI PROJECT NO. 26110

morrissey engineering inc

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note:

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E1-0

CONSTRUCTION DOCUMENTS
 BCDM NO. 5551-06
 03/09/2026