

# ADDENDUM

ADDENDUM NO: 2

PROJECT: Hamilton Heights High School Phase 2 Projects

PROJECT NO: 2023060

DATE: 02/27/2024

BY: Brent Hite



This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages:

**1-6**

Attached Documents:

-

Attached Drawing Sheets:

**C111, C112, C301, C302, C303, C401, C402, C501, C502, C601, L210, L202, L203, L204, L205, L221, L222, S101, S102, S201OB, S401, S402, S701OB, A350OB, A451OB, A471OB, A551OB**

## **PART 0 - GENERAL INFORMATION**

0.1 NOT USED

A. Not Used

## **PART 1 - BIDDING REQUIREMENTS**

1.1 NOT USED

A. Not Used

## **PART 2 - SPECIFICATIONS**

2.1 NOT USED

A. Not Used

## **PART 3 - DRAWINGS**

### **CIVIL**

#### **3.1 C111 – DEMOLITION PLAN & C112 – DEMOLITION PLAN**

- A. Wedge and level shown for ADA parking area
- B. Keynote added for relocation of ADA parking signs
- C. Keynote added for removal of parking striping
- D. Keynote added for removal of football lighting
- E. Additional concrete removal shown at northwest corner of tennis courts
- F. Sanitary lateral no longer called out to be abandoned. Upstream portion called out to be removed per new sanitary connection to pressbox.
- G. Fence removal called out for utility equipment area south of AG Lab Addition.

#### **3.2 C301 – GRADING PLAN, C302 – GRADING PLAN, & C303 – STORM STRUCTURE DATA TABLE**

- A. Grading revised for larger parking lot islands
- B. Grading revised to reflect 6" curb along parking entry drive
- C. Wedge and level shown for ADA parking spaces
- D. Grading shown for added walkway along southeast portion of track
- E. Elevator pit and mechanical room FFE adjusted to 856.90
- F. Curb shown for walk connected to AG Lab drive-in

#### **3.3 C401 – UTILITY PLAN & C402 – UTILITY PLAN**

- A. Updated telecom and electrical linework shown for reference
- B. 1" water line to pressbox now in civil scope / keynote W10
- C. Roof drain added from pressbox
- D. Sanitary lateral added from pressbox



3.4 C501 – EROSION CONTROL PLAN & C502 – EROSION CONTROL PLAN

- A. Seeding extents revised around visitor's bleachers
- B. Seeding updated in parking lot islands

3.5 C601 – SITE DETAILS

- A. Added detail for transition wedge and level

**LANDSCAPE**

3.6 L201 – LAYOUT PLAN

- A. ADD sheet to set in its entirety

3.7 L202 – LAYOUT PLAN

- A. ADD sheet to set in its entirety

3.8 L203 – LAYOUT PLAN

- A. ADD sheet to set in its entirety

3.9 L204 – LAYOUT PLAN

- A. ADD sheet to set in its entirety

3.10 L205 – LAYOUT PLAN

- A. ADD sheet to set in its entirety

3.11 L221 – LAYOUT PLAN ENLARGEMENT

- A. ADD sheet to set in its entirety

3.12 L222 – LAYOUT PLAN ENLARGEMENT

- A. ADD sheet to set in its entirety

**STRUCTURAL**

3.13 S101 – ADMINISTRATION FOUNDATION PLAN (ALTERNATE)

- A. The north foundation wall of the new addition shall be revised as shown on the attached drawing.

3.14 S102 – AGRICULTURE FOUNDATION PLAN

- A. New foundation section at the overhead doors shall be added as shown on the attached drawing.

3.15 S102OB – OUTBUILDINGS ROOF FRAMING PLANS

- A. Masonry lintel callouts at the locker room building shall be revised shown on the attached drawing.

3.16 S401 – TYPICAL DETAILS

- A. Detail 21, "Typical Detail at Exterior Door" shall be revised as shown on the attached drawing.

3.17 S402 – TYPICAL DETAILS

- A. Detail 7, "Typical Detail at Overhead Door" shall be added to this sheet as shown on the attached drawing.

3.18 S701OB – FRAMING SECTIONS

- A. Section 11 shall be revised as shown on the attached drawing.

**ARCHITECTURAL**

3.19 A350OB – OUTBUILDINGS EXTERIOR ELEVATIONS

- A. MODIFY height of F34 as indicated in details 1 & 2

3.20 A451OB – OUTBUILDINGS WALL SECTIONS & DETAILS

- A. MODIFY 6/A451OB to match structural detailing
- B. REVISE keynote from ~~07-27-26-A~~ to 07 25 00-A as indicated on detail 7
- C. ADD elevation to bottom of metal panel as indicated on detail 7
- D. REVISE detailing on 4/A451OB to match enlarged detail.
- E. REVISE detailing on 2/A451OB to match enlarged detail.

3.21 A471OB – SECTION DETAILS

- A. MODIFY detailing on 6/A471OB

3.22 A551OB – OUTBUILDINGS DOOR SCHEDULE, ELEVATIONS, AND DETAILS

- A. MODIFY dimensions of F34 as indicated on sheet

## **PART 4 - OTHER ITEMS**

### 4.1 NOT USED

A. Not Used

## **PART 5 - QUESTIONS AND ANSWERS**

### 5.1 Question:

There are a few line items in the electrical scope that refer to providing generator pad/foundations, and providing fuel for a generator. Is there a generator on this job or do these items need to be crossed out?

#### Answer:

Scope to relocated existing Generator was removed. No work on Generator.

### 5.2 Question:

Drawing E100 notes 3 and 4 mention utility primary conduits being 2". Normally we see any utility conduits needing to be 4". Can you clarify this?

#### Answer:

Primary conduit to be changed to 4" on Drawing E100 by Addendum.

### 5.3 Question:

Drawing E100 shows a numerous amount of notes that are new circuits called out for existing pieces of equipment that are already in place. Is it the intent for the EC to provide a full new circuit and pathway to these items and demo the old circuits and pathways? For items that are on the east side of the football field, is there a desired route for the conduits & circuits? Do we assume we need to follow the path around the running track?

#### Answer:

1. Plan Note #7 to be updated on Drawing E100 updated in Addendum to reflect removing feeder cable and abandon conduit below grade.
2. There is no preferred path, but the turf football field is new with underground draining.

### 5.4 Question:

There are a few electrical drawings that call for cord reels. Is there a spec for these, and is there a contractor who needs to provide them?

#### Answer:

Plan Notes #3 and #4 to be updated by Addendum

5.5 Question:

On drawing E212, it mentions to protect the existing solar medium voltage cable. Is there a means and method for this? Does this need to be exposed in a certain way and encased in concrete, etc. Can the intent be clarified more on this?

Answer:

Exact location and depth of cable needs to be determined, then means and method can be determined.

5.6 Question:

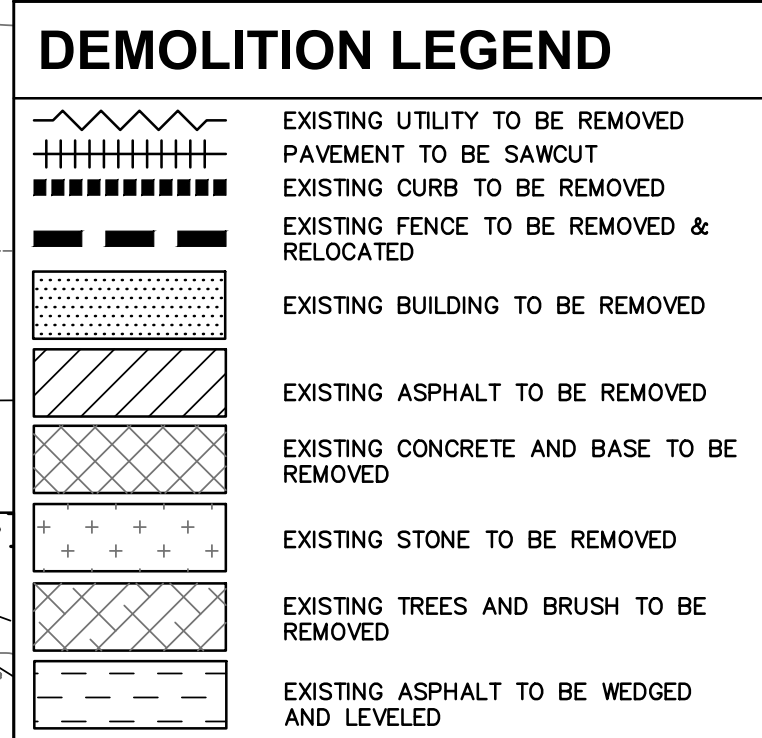
There is a duct bank spec, and also detail in the electrical drawings. Which site electrical runs need to be encased in duct bank?

Answer:

Duct bank details may be used to protect MV cable feeder indicated on E212, if determined that is the best option to protect existing cable.

**END ADDENDUM #2**

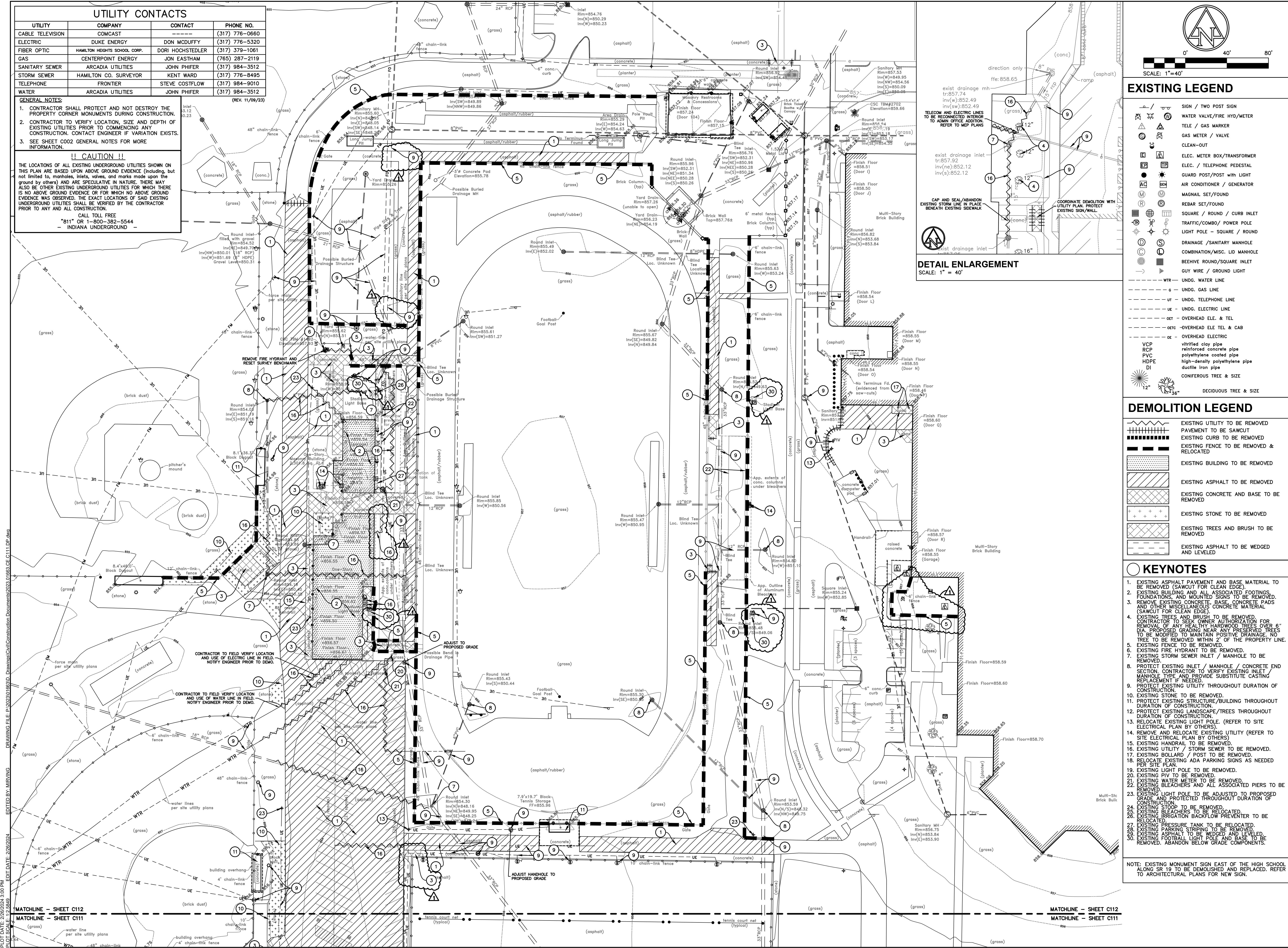




- NOTE: EXISTING MONUMENT SIGN EAST OF THE HIGH SCHOOL  
ALONG SR 19 TO BE DEMOLISHED AND REPLACED. REFER  
TO ARCHITECTURAL PLANS FOR NEW SIGN.

C111





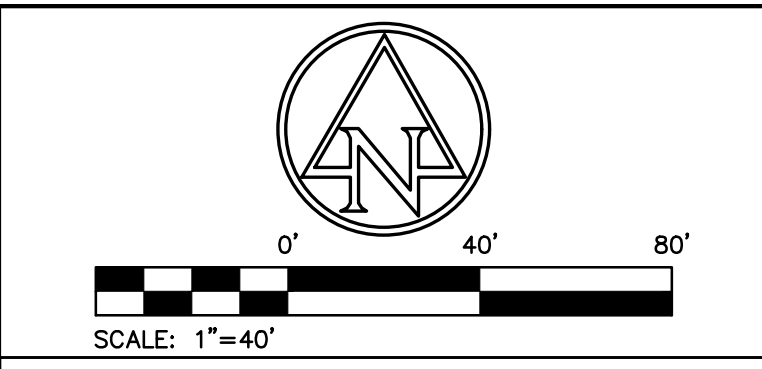
UTILITY CONTACTS			
UTILITY	COMPANY	CONTACT	PHONE NO.
CABLE TELEVISION	COMCAST	(317) 776-0660	
ELECTRIC	DUKE ENERGY	DON MCDUFFY (317) 776-5320	
FIBER OPTIC	HAMILTON HEIGHTS SCHOOL CORP.	DORI HOCHSTEDLER (317) 379-1061	
GAS	CENTERPOINT ENERGY	JON EASTHAM (765) 287-2119	
SANITARY SEWER	ARCADIA UTILITIES	JOHN PHIFER (317) 984-3512	
STORM SEWER	HAMILTON CO. SURVEYOR	KENT WARD (317) 776-8495	
TELEPHONE	FRONTIER	STEVE COSTFLOW (317) 984-9010	
WATER	ARCADIA UTILITIES	JOHN PHIFER (317) 984-3512	

- GENERAL NOTES:
- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
  - CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.
  - SEE SHEET C002 GENERAL NOTES FOR MORE INFORMATION.

**!! CAUTION !!**

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

CALL TOLL FREE  
\*811\* OR 1-800-382-5544  
— INDIANA UNDERGROUND —



### EXISTING LEGEND

- WTR - UNDG. WATER LINE
- UT - UNDG. TELEPHONE LINE
- UE - UNDG. ELECTRIC LINE
- OE - OVERHEAD ELE. & TEL
- OE - OVERHEAD ELE TEL & CAB
- OE - OVERHEAD ELECTRIC
- VCP - VERIFIED clay pipe
- RCP - reinforced concrete pipe
- HDPE - polyethylene coated pipe
- DI - high-density polyethylene pipe
- DU - ductile iron pipe
- CONIFEROUS TREE & SIZE
- DECIDUOUS TREE & SIZE

### DEMOLITION LEGEND

- EXISTING UTILITY TO BE REMOVED
- PAVEMENT TO BE SAWCUT
- EXISTING CURB TO BE REMOVED
- EXISTING FENCE TO BE REMOVED & RELOCATED
- EXISTING BUILDING TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE AND BASE TO BE REMOVED
- EXISTING STONE TO BE REMOVED
- EXISTING TREES AND BRUSH TO BE REMOVED
- EXISTING ASPHALT TO BE WEDGED AND LEVELED

### KEYNOTES

- EXISTING ASPHALT PAVEMENT AND BASE MATERIAL TO BE REMOVED (SAWCUT FOR CLEAN EDGE).
- EXISTING BUILDING AND ALL ASSOCIATED FOOTINGS, FOUNDATIONS, AND MOUNTED SIGNS TO BE REMOVED.
- REMOVE EXISTING CONCRETE, BASE, CONCRETE PADS AND OTHER MISCELLANEOUS CONCRETE MATERIAL (SAWCUT FOR CLEAN EDGE).
- EXISTING TREES AND BRUSH TO BE REMOVED. CONTRACTOR TO SEEK OWNER AUTHORIZATION FOR REMOVAL OF ANY HEALTHY HARDWOOD TREES OVER 6" DIA. PROPOSED GRADING NEAR ANY PRESERVED TREES TO BE MODIFIED TO MAINTAIN POSITIVE DRAINAGE. NO TREE TO BE REMOVED WITHIN 2' OF THE PROPERTY LINE.
- EXISTING FENCE TO BE REMOVED.
- EXISTING FIRE HYDRANT TO BE REMOVED.
- EXISTING STORM SEWER INLET / MANHOLE TO BE REMOVED.
- PROTECT EXISTING INLET / MANHOLE / CONCRETE END SECTION. CONTRACTOR TO VERIFY EXISTING INLET / MANHOLE TYPE AND PROVIDE SUBSTITUTE CASTING REPLACEMENT IF NEEDED.
- PROTECT EXISTING UTILITY THROUGHOUT DURATION OF CONSTRUCTION.
- EXISTING STONE TO BE REMOVED.
- PROTECT EXISTING STRUCTURE / BUILDING THROUGHOUT DURATION OF CONSTRUCTION.
- PROTECT EXISTING LANDSCAPE / TREES THROUGHOUT DURATION OF CONSTRUCTION.
- RELOCATE EXISTING LIGHT POLE. (REFER TO SITE ELECTRICAL PLAN BY OTHERS).
- REMOVE AND RELOCATE EXISTING UTILITY (REFER TO SITE ELECTRICAL PLAN BY OTHERS).
- EXISTING HANDRAIL TO BE REMOVED.
- EXISTING UTILITY / STORM SEWER TO BE REMOVED.
- EXISTING BOLLARD / POST TO BE REMOVED.
- RELOCATE EXISTING ADA PARKING SIGNS AS NEEDED PER SITE PLAN.
- EXISTING LIGHT POLE TO BE REMOVED.
- EXISTING PIV TO BE REMOVED.
- EXISTING WATER METER TO BE REMOVED.
- EXISTING BLEACHERS AND ALL ASSOCIATED PIERS TO BE REMOVED.
- EXISTING LIGHT POLE TO BE ADJUSTED TO PROPOSED GRADE AND PROTECTED THROUGHOUT DURATION OF CONSTRUCTION.
- EXISTING STUMP TO BE REMOVED.
- EXISTING BLEACHERS TO BE RELOCATED.
- EXISTING BACKFLOW PREVENTER TO BE RELOCATED.
- EXISTING PRESSURE TANK TO BE RELOCATED.
- EXISTING PARKING STRIPING TO BE REMOVED.
- EXISTING FOOTBALL LIGHT POLE AND BASE TO BE REMOVED. ABANDON BELOW GRADE COMPONENTS.

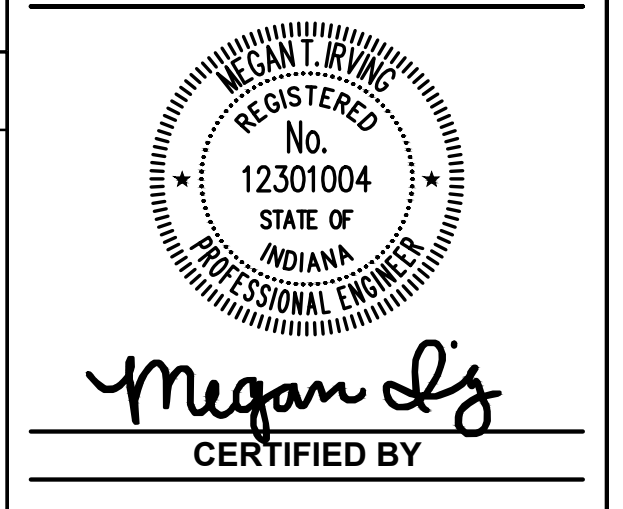
NOTE: EXISTING MONUMENT SIGN EAST OF THE HIGH SCHOOL ALONG SR 19 TO BE DEMOLISHED AND REPLACED. REFER TO ARCHITECTURAL PLANS FOR NEW SIGN.



### HAMILTON HEIGHTS HIGH SCHOOL

### PHASE II ATHLETIC FIELDS

25802 STATE ROAD 19  
ARCADIA, INDIANA



ISSUANCE INDEX	
DATE:	02/09/2024
PROJECT PHASE:	CONSTRUCTION DOCUMENTS

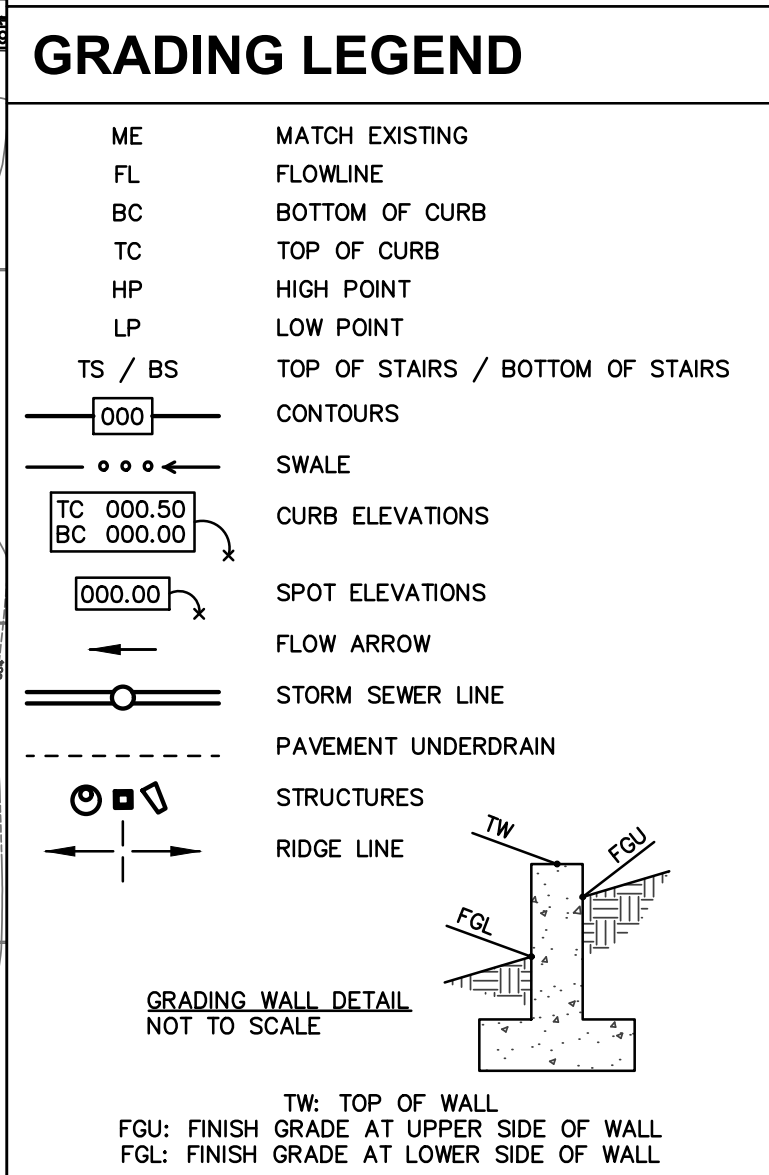
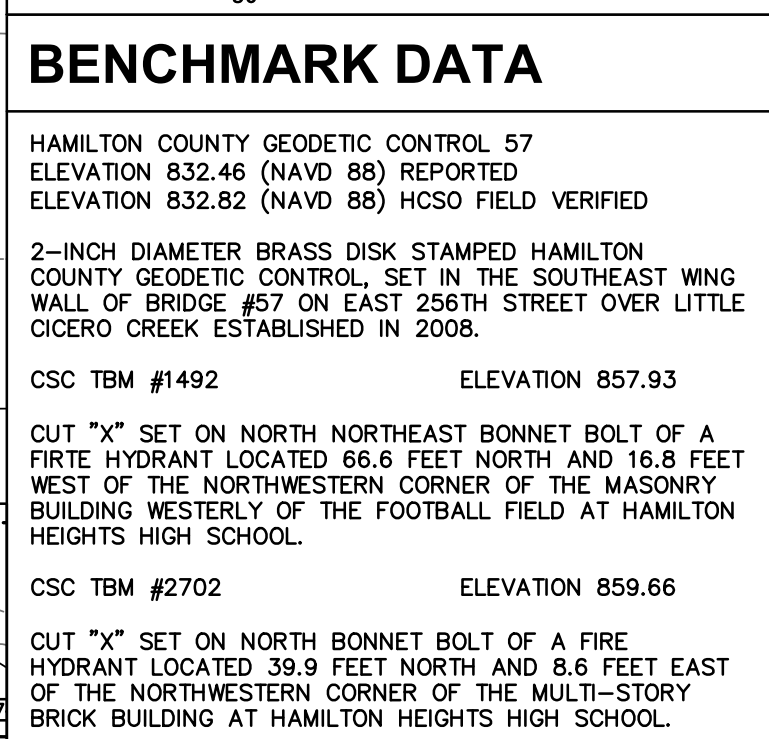
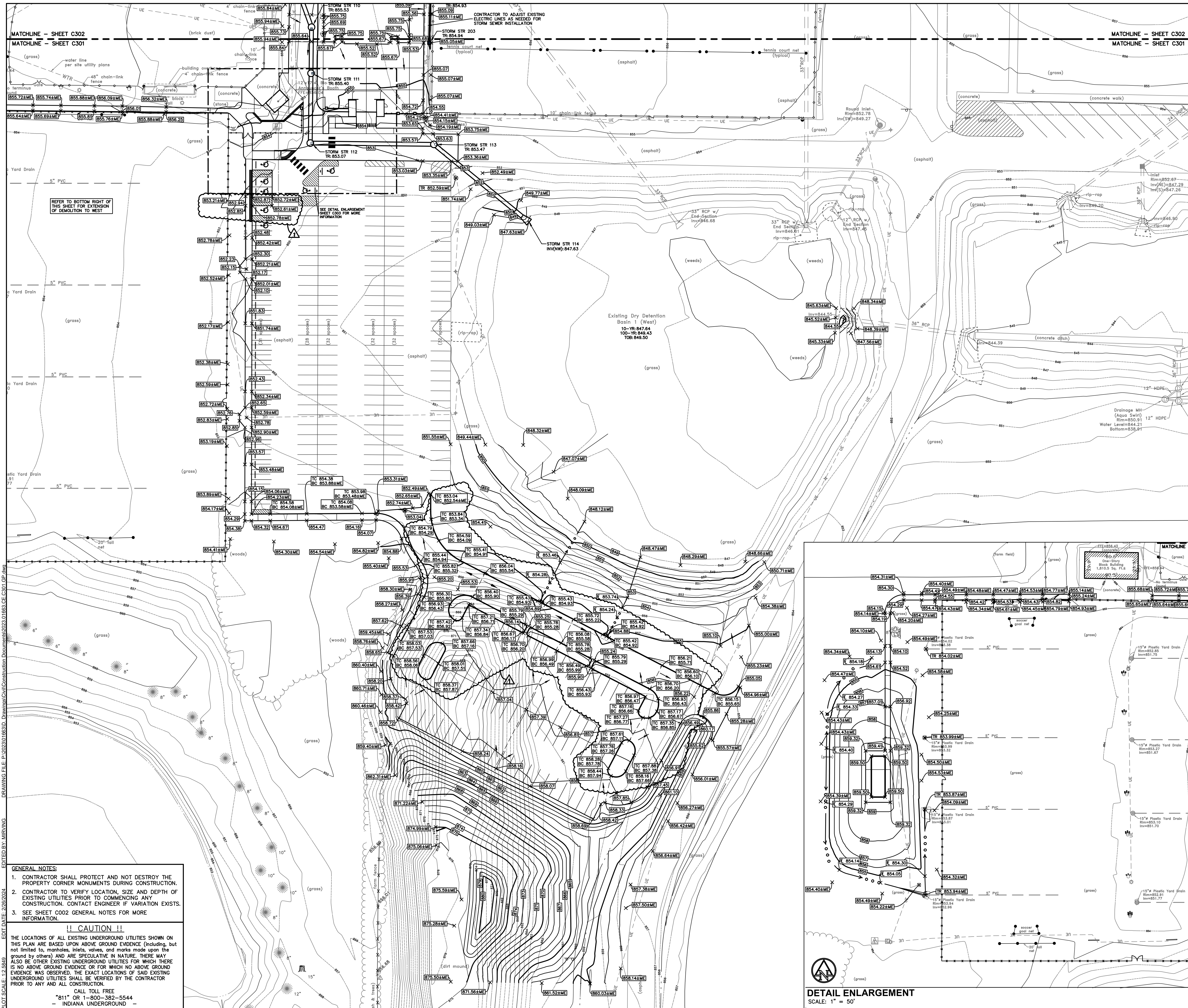
REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	ADD 02	2/26/24

Project Number 2023.01663

### DEMOLITION PLAN

# C112





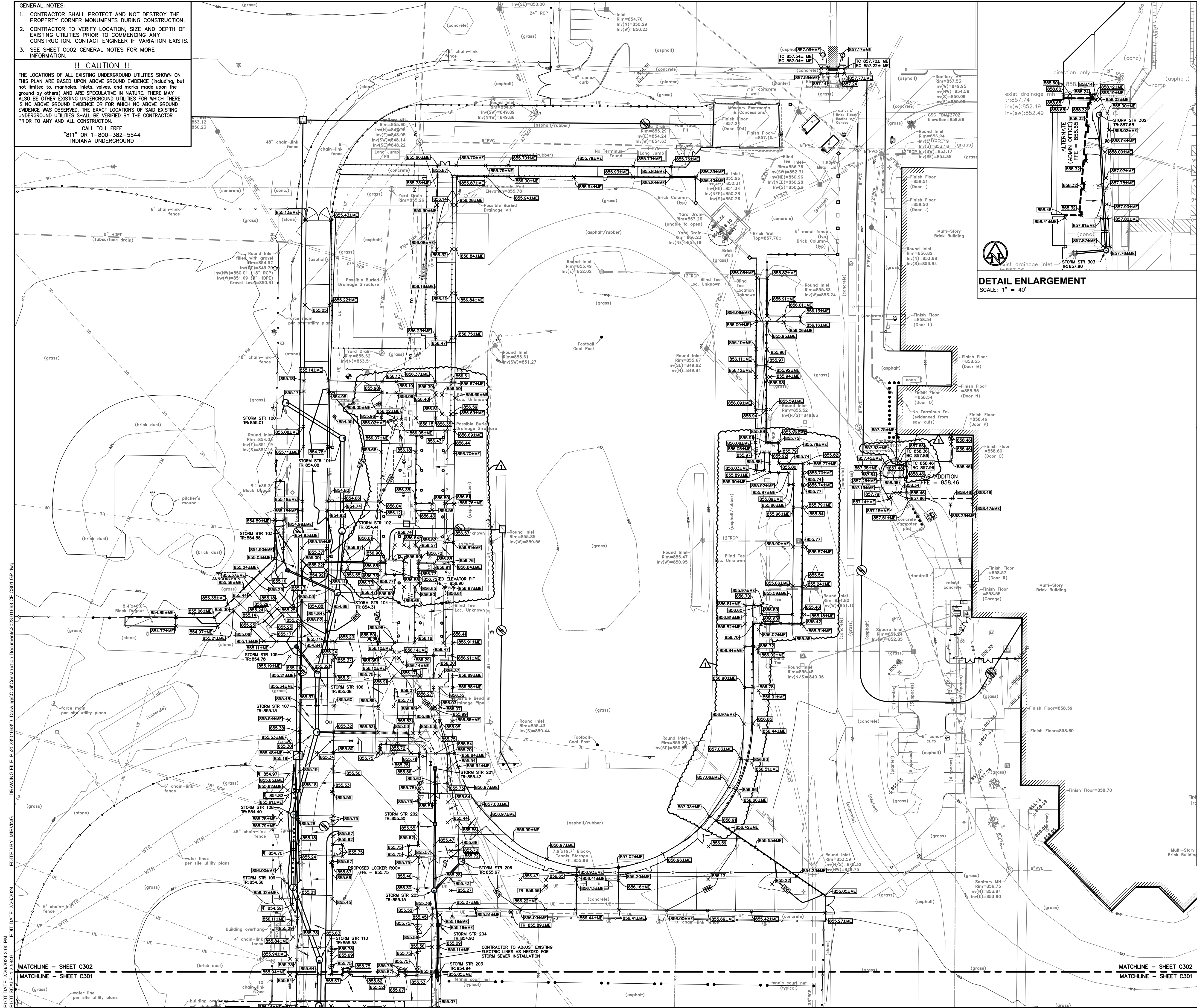
**HAMILTON HEIGHTS  
HIGH SCHOOL**

**PHASE II  
ATHLETIC FIELDS**

**25802 STATE ROAD 19  
ARCADIA, INDIANA**

<div style="text-align: center;"><p>MEGAN L. RYAN REGISTERED No. 12301004 STATE OF INDIANA PROFESSIONAL ENGINEER</p></div> <div style="text-align: center; font-size: 1.5em; margin-top: -10px;">Megan L.S.</div> <p style="text-align: center; font-weight: bold;">CERTIFIED BY</p>		
ISSUANCE INDEX		
DATE: 02/09/2024		
PROJECT PHASE:		
CONSTRUCTION DOCUMENTS		
REVISION Schedule		
No.	Description	Date
1	ADD 02	2/26/24
Project Number		2023.01663
GRADING PLAN		
C301		





GENERAL NOTES:  
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CALL TOLL FREE  
"811" OR 1-800-382-5544  
- INDIANA UNDERGROUND -

0' 40' 80'  
SCALE: 1"=40'

### EXISTING LEGEND

	SIGN / TWO POST SIGN
	WATER VALVE/FIRE HYD/METER
	TELE / GAS MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST WITH LIGHT
	AIR CONDITIONER / GENERATOR
	MAGNAL SET/FOUND
	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO / POWER POLE
	LIGHT POLE - SQUARE / ROUND
	DRAINAGE / SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
	UNDG. WATER LINE
	UNDG. GAS LINE
	UNDG. TELEPHONE LINE
	UNDG. ELECTRIC LINE
	OVERHEAD ELE. & TEL
	OVERHEAD ELE. TEL & CAB
	OVERHEAD ELECTRIC
	verified clay pipe
	reinforced concrete pipe
	polyethylene coated pipe
	high-density polyethylene pipe
	ductile iron pipe
	CONIFEROUS TREE & SIZE
	DECIDUOUS TREE & SIZE

### DETAIL ENLARGEMENT

SCALE: 1" = 40'

### BENCHMARK DATA

HAMILTON COUNTY GEODETIC CONTROL 57  
ELEVATION 832.46 (NAVD 88) REPORTED  
ELEVATION 832.82 (NAVD 88) HCSD FIELD VERIFIED

2-INCH DIAMETER BRASS DISK STAMPED HAMILTON COUNTY GEODETIC CONTROL, SET IN THE SOUTHEAST WING WALL OF BRIDGE #57 ON EAST 256TH STREET OVER LITTLE CICKER CREEK ESTABLISHED IN 2008.

CSC TBM #1492 ELEVATION 857.93

OUT "X" SET ON NORTH NORTHEAST BONNET BOLT OF A FIRE HYDRANT LOCATED 66.6 FEET NORTH AND 8.6 FEET WEST OF THE NORTHWESTERN CORNER OF THE MASONRY BUILDING WESTERLY OF THE FOOTBALL FIELD AT HAMILTON HEIGHTS HIGH SCHOOL.

CSC TBM #2702 ELEVATION 859.66

OUT "Y" SET ON NORTH BONNET BOLT OF A FIRE HYDRANT LOCATED 39.9 FEET NORTH AND 8.6 FEET EAST OF THE NORTHWESTERN CORNER OF THE MULTI-STORY BRICK BUILDING AT HAMILTON HEIGHTS HIGH SCHOOL.

### GRADING LEGEND

ME	MATCH EXISTING
FL	FLOWLINE
BC	BOTTOM OF CURB
TC	TOP OF CURB
HP	HIGH POINT
LP	LOW POINT
TS / BS	TOP OF STAIRS / BOTTOM OF STAIRS
000	CONTOURS
000.00	SWALE
TC 000.50 BC 000.00	CURB ELEVATIONS
000.00	SPOT ELEVATIONS
	FLOW ARROW
	STORM SEWER LINE
	PAVEMENT UNDERDRAIN
	STRUCTURES
	RIDGE LINE
	GRADING WALL DETAIL NOT TO SCALE

TW: TOP OF WALL  
FGU: FINISH GRADE AT UPPER SIDE OF WALL  
FGL: FINISH GRADE AT LOWER SIDE OF WALL

HAMILTON HEIGHTS  
SCHOOL DISTRICT  
25802 Indiana 19  
Arcadia, Indiana 46030

CSO  
8831 Keystone Crossing, Indianapolis, IN 46240  
317.848.7800 | csocoinc.net

AMERICAN  
STRUCTUREPOINT  
INC.  
9025 River Road, Suite 200 | Indianapolis, Indiana 46240  
TEL 317.547.5580 | FAX 317.543.0270  
www.structurepoint.com

context  
DESIGN  
5825 Lawton Loop E. Dr.  
Indianapolis, Indiana 46216

## HAMILTON HEIGHTS HIGH SCHOOL

## PHASE II ATHLETIC FIELDS

## 25802 STATE ROAD 19 ARCADIA, INDIANA

Megan L. Irving  
REGISTERED  
No. 12301004  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
CERTIFIED BY

ISSUANCE INDEX		
DATE:	02/09/2024	
PROJECT PHASE:	CONSTRUCTION DOCUMENTS	

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	ADD 02	2/26/24

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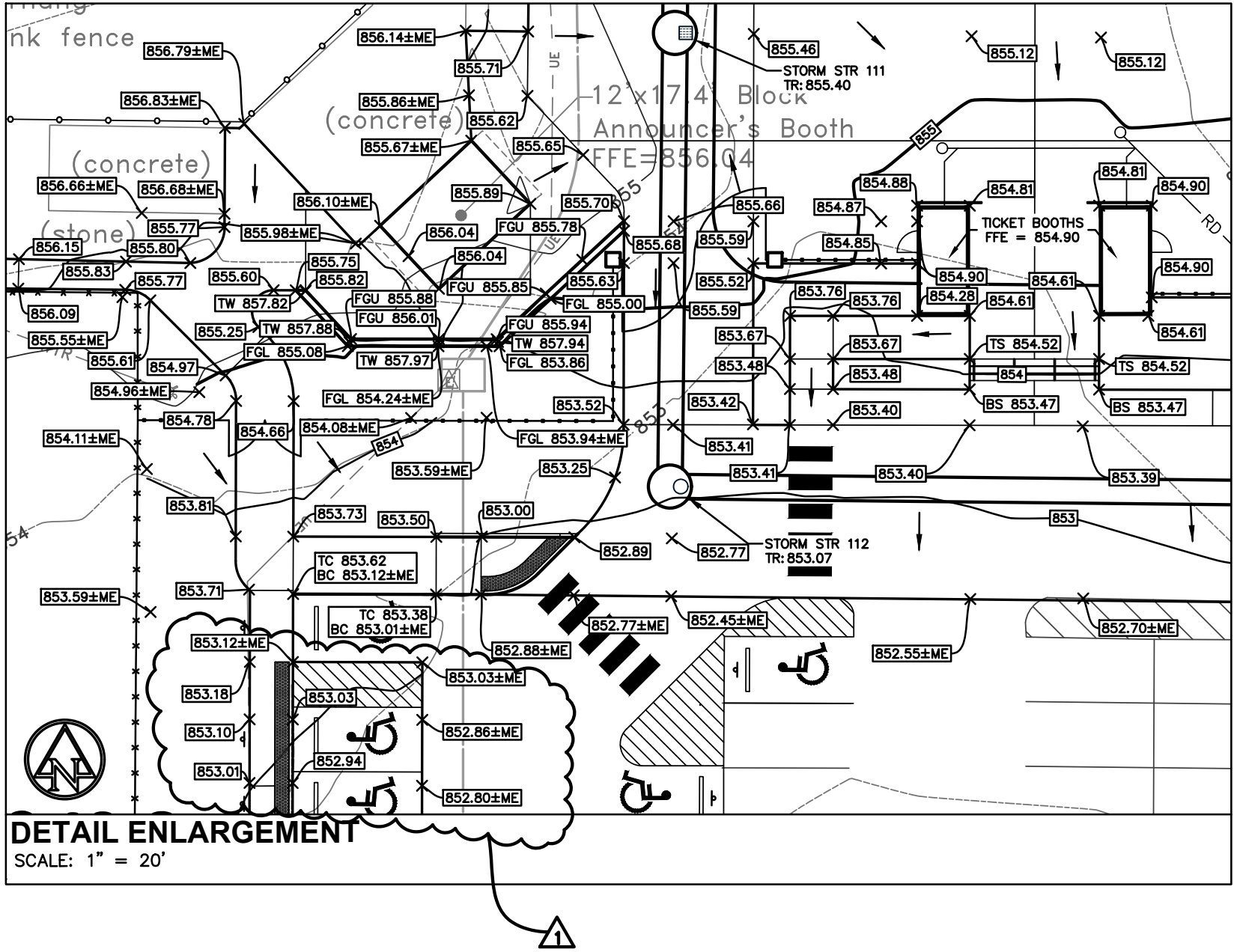
## GRADING PLAN

# C302



PLOT DATE: 2/26/2024 3:00 PM  
PLOT SCALE: 1"=88.49'  
DRAWING FILE: P:\2023\01\063\03\_Drawing\Civil\Construction Documents\2023.01.063.CE.C301.CP.dwg  
EDIT DATE: 2/26/2024  
EDITED BY: MIRVING

STORM STRUCTURE DATA TABLE										
NOTE: ALL CASTINGS SHALL BE LABELED "DUMP NO WASTE--DRAINS TO WATERWAY"										
STR. NO.	STRUCTURE TYPE	CASTING TYPE	TOP OF RIM	INCOMING PIPE DATA (DIRECTION) [FROM STR]	OUTGOING PIPE DATA (DIRECTION) [TO STR]	OUTGOING PIPE L.F.	OUTGOING PIPE SIZE	OUTGOING GRADE (%)	CONNECT TO STRUCT	REMARKS
100	TYPE "J" MH	R-4342	855.01		30" HDPE 849.10 (SE) [101]	61'	30"	0.25%	101	
101	TYPE "J" MH	R-4342	854.08	30" HDPE 848.94 (NW) [100]	30" HDPE 848.94 (S) [102]	84'	30"	0.25%	102	
102	TYPE "J" MH	R-4342	854.41	30" HDPE 848.73 (N) [101]	30" HDPE 848.73 (S) [104]	56'	30"	0.25%	104	
103	TYPE "A" INLET	R-4342	854.88	12" RCP 850.57 (N) []	12" HDPE 850.36 (SE) [104]	50'	12"	0.34%	104	
104	TYPE "J" MH	R-4342	854.31	30" HDPE 848.59 (N) [102] 12" HDPE 850.19 (NW) [103]	30" HDPE 848.59 (S) [106]	77'	30"	0.30%	106	
105	TYPE "A" INLET	R-4342	854.78		12" HDPE 851.08 (SE) [106]	32'	12"	0.35%	106	
106	TYPE "J" MH	R-3472	855.08	12" HDPE 850.97 (NW) [105] 30" HDPE 848.37 (N) [104]	30" HDPE 848.37 (S) [107]	52'	30"	0.30%	107	
107	TYPE "J" MH	R-3472	855.13	30" HDPE 848.21 (N) [106] 8" HDPE 851.76 (E) [TD1]	36" HDPE 848.21 (S) [108]	78'	36"	0.15%	108	
108	TYPE "J" MH	R-4342	854.40	36" HDPE 848.09 (N) [107] 18" RCP 848.43 (NW) []	36" HDPE 848.09 (S) [109]	66'	36"	0.10%	109	
109	TYPE "J" MH	R-4342	854.36	36" HDPE 848.03 (N) [108]	36" HDPE 848.03 (S) [110]	70'	36"	0.10%	110	
110	TYPE "J" MH	R-3472	855.53	36" HDPE 847.96 (N) [109]	36" HDPE 847.96 (S) [111]	42'	36"	0.10%	111	
111	TYPE "J" MH	R-3472	855.40	36" HDPE 847.92 (N) [110]	36" HDPE 847.92 (S) [112]	63'	36"	0.10%	112	
112	TYPE "J" MH	R-1772		36" HDPE 847.85 (N) [111]	36" HDPE 847.85 (E) [113]	112'	36"	0.10%	113	
113	TYPE "J" MH	R-1772	853.47	36" HDPE 847.74 (W) [112]	36" HDPE 847.74 (SE) [114]	111'	36"	0.10%	114	DEBRIS GUARD REQUIRED
114	36" CONCRETE END SECTION	-	850.84	36" HDPE 847.63 (NW) [113]						
201	TYPE "A" INLET	R-3472	855.42		8" HDPE 852.01 (S) [202]	50'	8"	0.50%	202	
202	TYPE "A" INLET	R-3472	855.30	8" HDPE 851.76 (N) [201]	12" HDPE 851.56 (S) [205]	60'	12"	0.35%	205	
203	NYLOPLAST BASIN	1099CGDF	854.94		8" HDPE 851.58 (N) [204]	46'	8"	0.50%	204	
204	NYLOPLAST BASIN	1099CGDF	854.93	8" HDPE 851.35 (S) [203]	8" HDPE 851.25 (N) [205]	32'	8"	1.25%	205	
205	TYPE "C" MH	R-3472	855.15	12" HDPE 851.35 (N) [202] 8" HDPE 850.85 (S) [204]	12" HDPE 848.55 (NE) [206]	36'	12"	0.55%	206	
206	TYPE "J" MH	R-1772	855.67	12" HDPE 848.35 (SW) [205] 6" PVC SDR 21 849.95 (NE) [] 33" RCP 848.16 (NW) []	33" RCP 848.25 (SE) []	2'	33"	0.00%		
302	TYPE "C" MH	R-4342	857.68	15" RCP 852.31 (NE) []	15" HDPE 852.21 (S) [303]	123'	15"	0.30%	303	
303	TYPE "C" MH	R-1772	857.90	15" HDPE 851.84 (N) [302]	15" HDPE 851.84 (W) [INLET]	28'	15"	0.45%	INLET	



GENERAL NOTES:

- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
- CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.
- SEE SHEET C002 GENERAL NOTES FOR MORE INFORMATION.

!! CAUTION !!

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CALL TOLL FREE  
"811" OR 1-800-382-5544  
- INDIANA UNDERGROUND -



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5825 Lawton Loop E. Dr.  
Indianapolis, Indiana 46216

## HAMILTON HEIGHTS HIGH SCHOOL

## PHASE II ATHLETIC FIELDS

25802 STATE ROAD 19  
ARCADIA, INDIANA



*Megan T. Irving*  
CERTIFIED BY

ISSUANCE INDEX		
DATE:	02/09/2024	
PROJECT PHASE:	CONSTRUCTION DOCUMENTS	

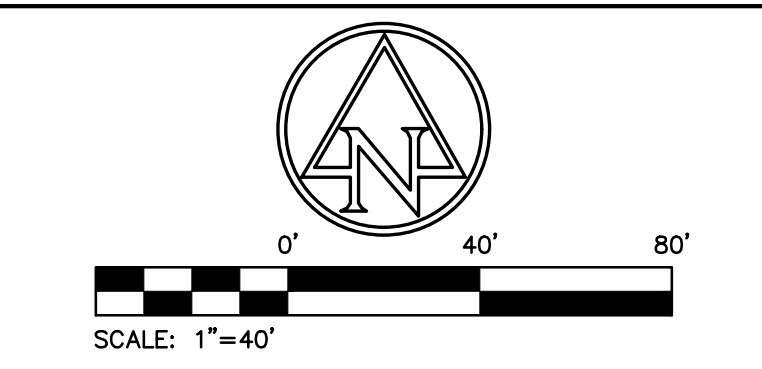
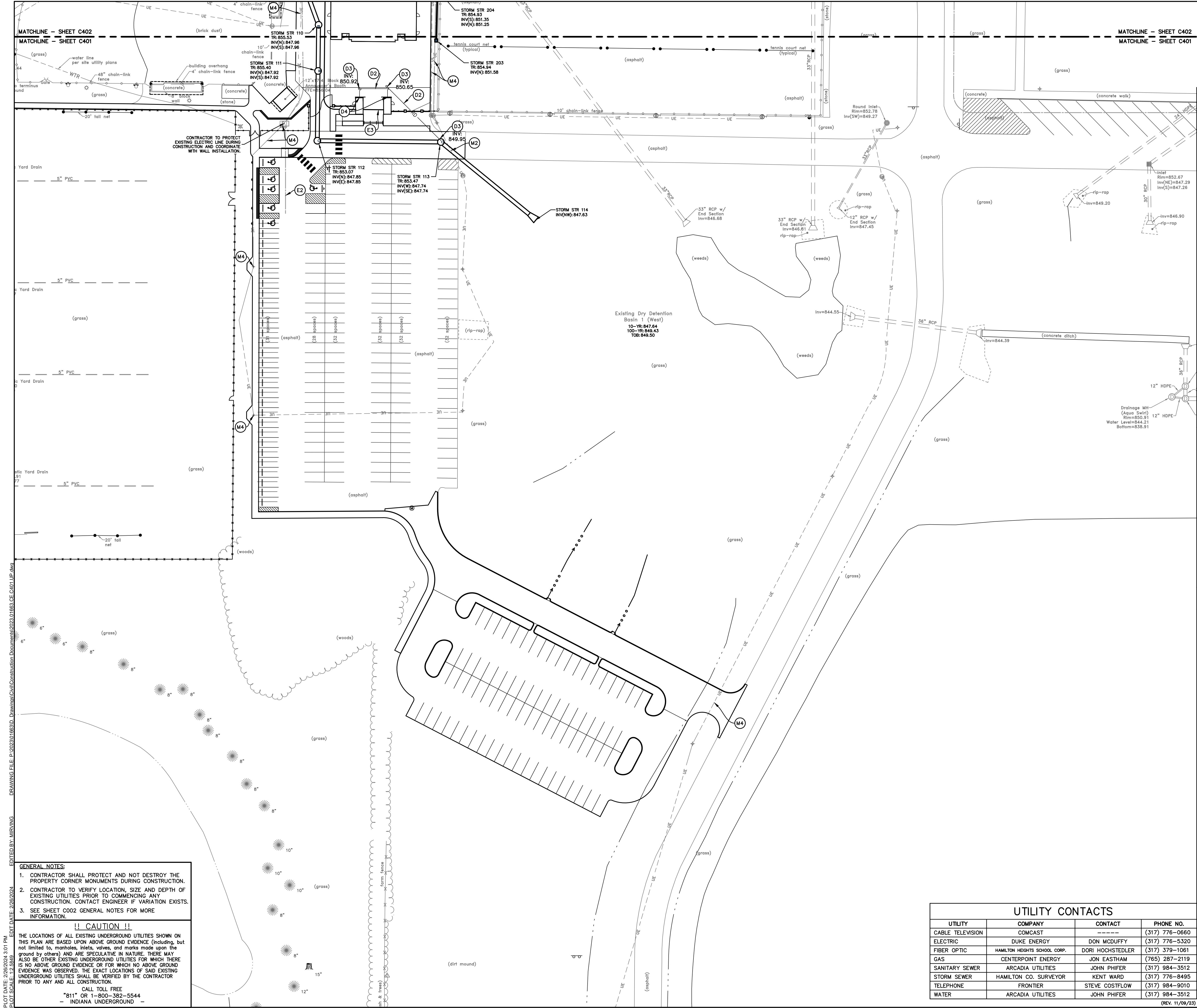
REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	ADD 02	2/26/24

Project Number 2023.01663

## STORM STRUCTURE DATA TABLE

# C303





EXISTING LEGEND

- / — SIGN / TWO POST SIGN
- WATER VALVE/FIRE HYD/METER
- TELE / GAS MARKER
- GAS METER / VALVE
- CLEAN-OUT
- ELEC. METER BOX/TRANSFORMER
- ELEC. / TELEPHONE PEDESTAL
- GUARD POST/POST WITH LIGHT
- AIR CONDITIONER / GENERATOR
- MAGNAIL SET/FOUND
- REBAR SET/FOUND
- SQUARE / ROUND / CURB INLET
- TRAFFIC/COMBO/ POWER POLE
- LIGHT POLE - SQUARE / ROUND
- DRAINAGE / SANITARY MANHOLE
- COMBINATION/MISC. LID MANHOLE
- BEEHIVE ROUND/SQUARE INLET
- GUY WIRE / GROUND LIGHT
- UNDG. WATER LINE
- UNDG. GAS LINE
- UNDG. TELEPHONE LINE
- UNDG. ELECTRIC LINE
- OVERHEAD ELE. & TEL
- OVERHEAD ELE TEL & CAB
- OVERHEAD ELECTRIC
- vitrified clay pipe
- reinforced concrete pipe
- polyethylene coated pipe
- high-density polyethylene pipe
- ductile iron pipe
- CONIFEROUS TREE & SIZE
- DECIDUOUS TREE & SIZE

UTILITY LEGEND

- ETC ELECTRIC / TELECOMMUNICATIONS LINE
- W WATER LINE
- FP FIRE PROTECTION LINE
- RD ROOF DRAIN LINE
- G GAS LINE
- SS SANITARY SEWER LINE
- STORM SEWER LINE
- PAVEMENT UNDERDRAIN
- GAS METER
- ELECTRICAL TRANSFORMER
- VALVE
- WATER FITTINGS
- WATER METER PIT
- FIRE HYDRANT W/ ASSEMBLY

KEYNOTES

- SANITARY SEWER
- S1. 4" HDPE DR11 SANITARY FORCE MAIN
  - S2. 6" SDR35 PVC SANITARY LATERAL
  - S3. SANITARY CLEANOUT
- DRAINAGE/STORM SEWER
- D1. NDS DURA-SLOPE TRENCH DRAIN
  - D2. 8" HDPE ROOF DRAIN @ 1.00% MIN. SLOPE
  - D3. ROOF DRAIN CLEANOUT
  - D4. DOWNSPOUT BOOT CONNECTION
- WATERLINE
- W1. 4" DR18 C900 WATER LINE
  - W2. 6" DR18 C900 FIRE PROTECTION LINE
  - W3. 4" DR18 C900 FIRE PROTECTION LINE
  - W4. FIRE HYDRANT W/ ASSEMBLY
  - W5. WATER BEND W/ CONCRETE THRUST BLOCK
  - W6. WATER VALVE
  - W7. POST INDICATOR VALVE (PER LOCAL FIRE DEPARTMENT REQUIREMENTS)
  - W8. FIRE DEPARTMENT CONNECTION (PER LOCAL FIRE DEPARTMENT REQUIREMENTS)
  - W9. WATER TEE W/ CONCRETE THRUST BLOCK
  - W10. 1" SDR9 PE COLD WATER LINE
- GAS
- G1. GAS METER (CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER)
  - G2. GAS SERVICE LINE (CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER)
- ELECTRIC / TELECOMMUNICATIONS
- E1. REFER TO SITE ELECTRICAL PLAN FOR TRANSFORMER AND LIGHT POLE LOCATIONS.
  - E2. ELECTRICAL SERVICE LINE (SHOWN FOR REFERENCE ONLY. REFER TO SITE ELECTRICAL PLAN)
  - E3. TELECOMMUNICATIONS SERVICE COMPONENTS (SHOWN FOR REFERENCE ONLY. REFER TO SITE TELECOMMUNICATIONS PLAN)
- MISCELLANEOUS
- M1. POTENTIAL UTILITY CONFLICT (ALL WATER / SANITARY / STORM CROSSINGS TO HAVE A MINIMUM OF 18" VERTICAL CLEARANCE. CONTACT ENGINEER IF CONFLICTS EXIST. RELOCATE EXISTING UTILITIES AS REQUIRED.)
  - M2. CONTRACTOR TO FIELD VERIFY LOCATION, DEPTH AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. FIELD VERIFY EXISTING UTILITIES. ENGINEER WILL NOT BE RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THIS PLAN AND ANY ADDITIONAL UTILITIES AS REQUIRED.
  - M3. CONTRACTOR TO COORDINATE UTILITY CONNECTION WITH UTILITY PROVIDER.
  - M4. UTILITY TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.

UTILITY CONTACTS			
UTILITY	COMPANY	CONTACT	PHONE NO.
CABLE TELEVISION	COMCAST	-----	(317) 776-0660
ELECTRIC	DUKE ENERGY	DON MCDUFFY	(317) 776-5320
FIBER OPTIC	HAMILTON HEIGHTS SCHOOL CORP.	DORI HOCHSTEDLER	(317) 379-1061
GAS	CENTERPOINT ENERGY	JON EASTHAM	(765) 287-2119
SANITARY SEWER	ARCADIA UTILITIES	JOHN PHIFER	(317) 984-3512
STORM SEWER	HAMILTON CO. SURVEYOR	KENT WARD	(317) 776-8495
TELEPHONE	FRONTIER	STEVE COSTFLOW	(317) 984-9010
WATER	ARCADIA UTILITIES	JOHN PHIFER	(317) 984-3512

(REV. 11/09/23)



**HAMILTON HEIGHTS**  
SCHOOL DISTRICT  
25802 Indiana 19  
Arcadia, Indiana 46030



8831 Keystone Crossing, Indianapolis, IN 46240  
317.848.7800 | csoinc.net



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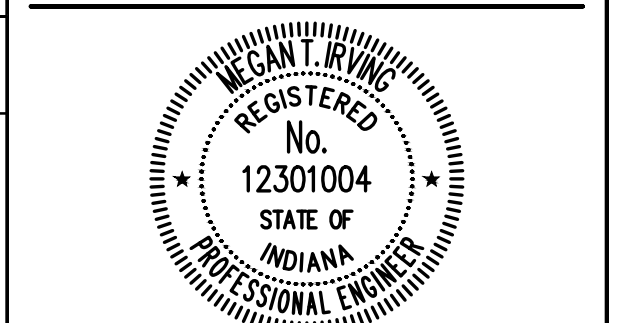


5825 Lawton Loop E. Dr.  
Indianapolis, Indiana 46216

HAMILTON HEIGHTS  
HIGH SCHOOL

PHASE II  
ATHLETIC FIELDS

25802 STATE ROAD 19  
ARCADIA, INDIANA



*Megan L. Irving*  
CERTIFIED BY

ISSUANCE INDEX	
DATE:	02/09/2024
PROJECT PHASE:	CONSTRUCTION DOCUMENTS

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	ADD 02	2/26/24

Project Number 2023.01663

UTILITY PLAN

# C401

EDIT DATE: 2/26/2024  
PLOT DATE: 2/26/2024 3:01 PM  
PLOT SCALE: 1"=40'  
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DRAWING TITLE: Hamilton Heights School District  
DRAWING BY: MERVING

**GENERAL NOTES:**

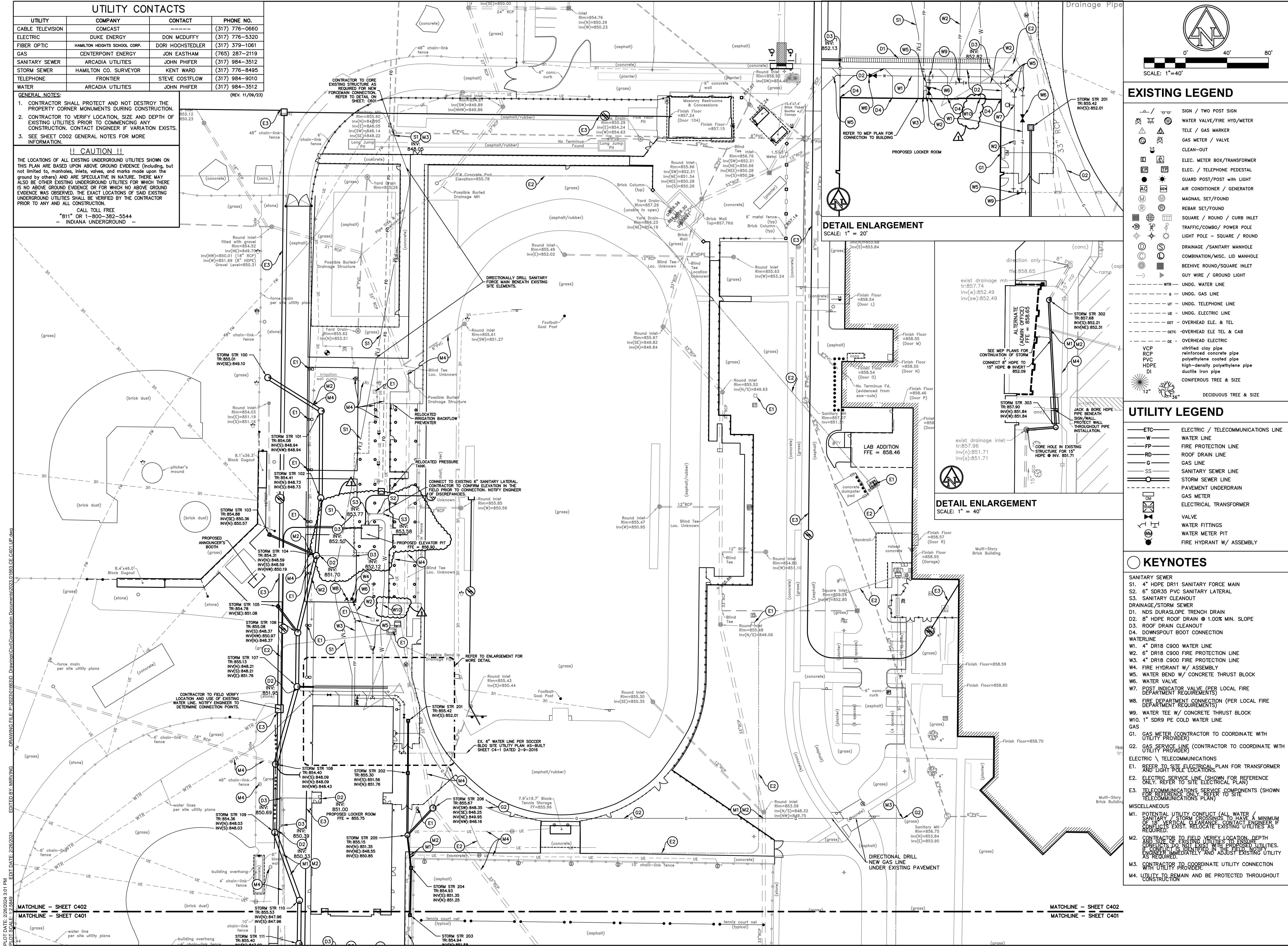
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- INDIANA UNDERGROUND -





**HAMILTON HEIGHTS**  
SCHOOL DISTRICT

25802 Indiana 19  
Arcadia, Indiana 46030

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**HAMILTON HEIGHTS HIGH SCHOOL**

**PHASE II**  
**ATHLETIC FIELDS**

**25802 STATE ROAD 19**  
**ARCADIA, INDIANA**

*Megan L. Irving*  
CERTIFIED BY

**ISSUANCE INDEX**

**DATE:**  
02/09/2024

**PROJECT PHASE:**  
CONSTRUCTION DOCUMENTS

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	ADD 02	2/26/24

Project Number 2023.01663

**UTILITY PLAN**

**C402**

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 PLOT DATE: 2/9/2024 4:01 PM  
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 MATCHLINE - SHEET C401  
 MATCHLINE - SHEET C402  
 MATCHLINE - SHEET C401





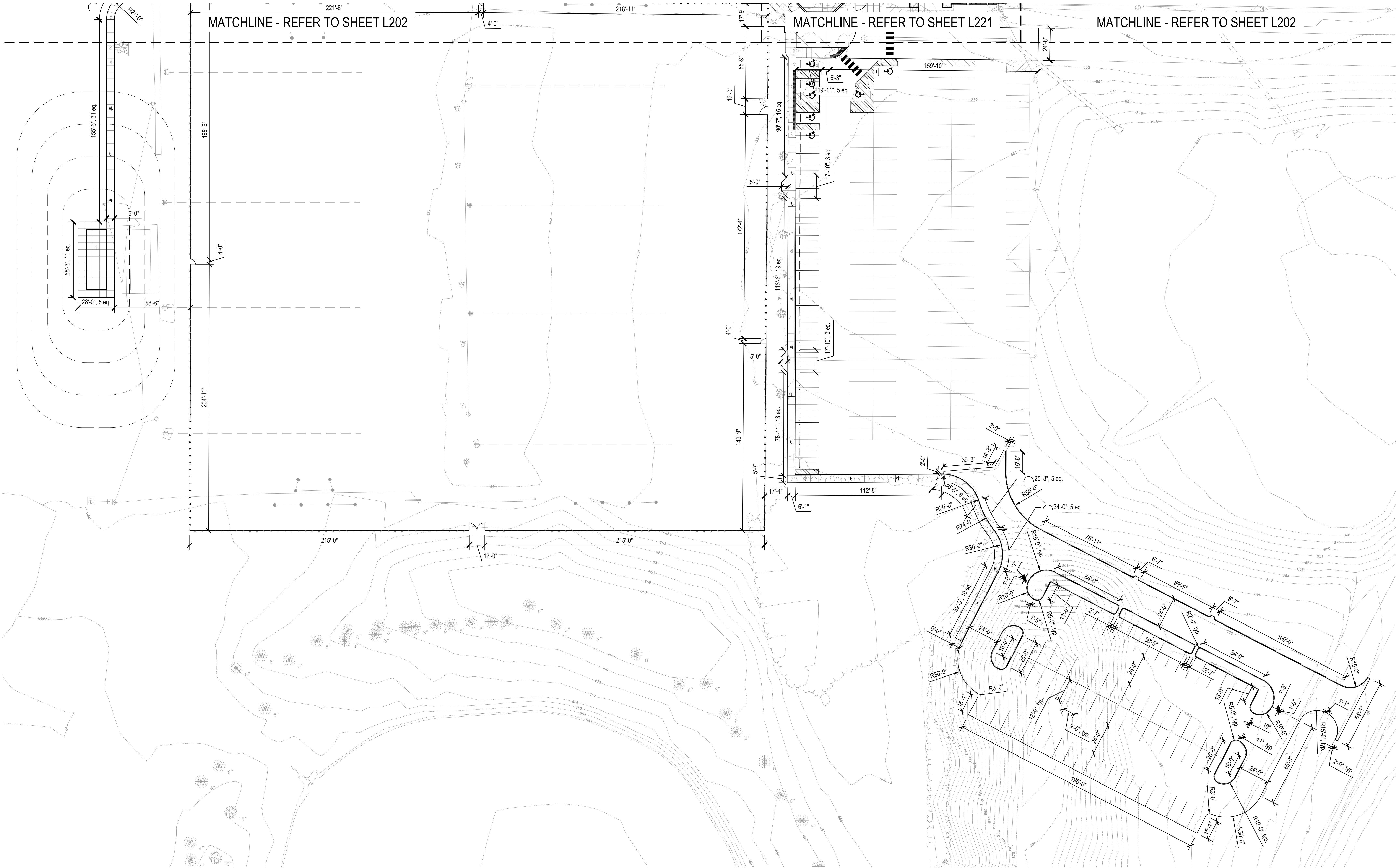






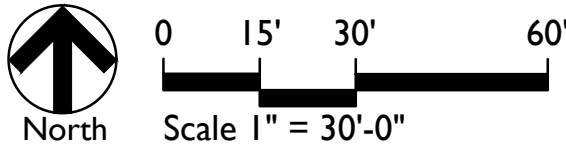






LAYOUT NOTES

1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of doors.
3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
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Hamilton Heights  
School Corporation

CSO

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DESIGN

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PROJECT:  
HAMILTON HEIGHTS  
SCHOOL CORPORATION  
HAMILTON HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS  
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:  
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of structural, mechanical and electrical systems. This drawing is not necessarily indicative or descriptive of work required for full performance and completion of the requirements of the Contract.

REVISIONS:  
02/22/2024 Addendum #1  
02/26/2024 Addendum #2

ISSUE DATE DRAWN BY CHECKED BY  
02/09/2024 MA FP

DRAWING TITLE:

LAYOUT  
PLAN

CERTIFIED BY:

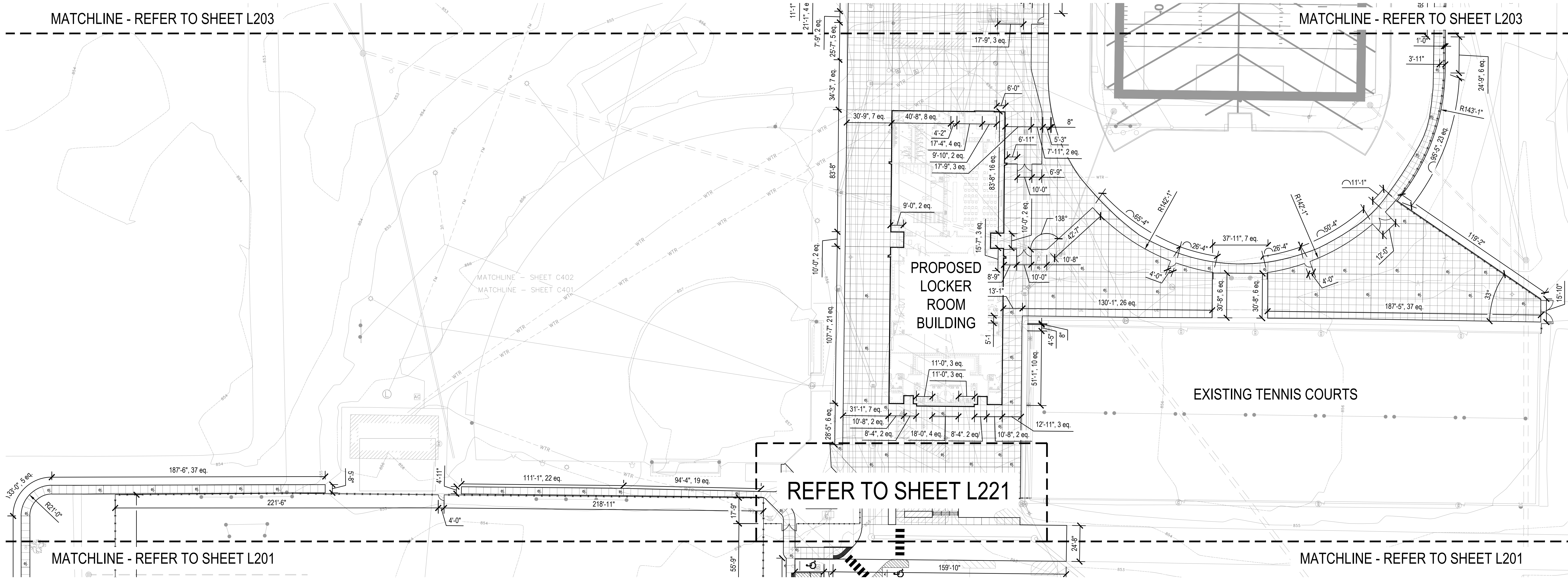


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L201

PROJECT NUMBER  
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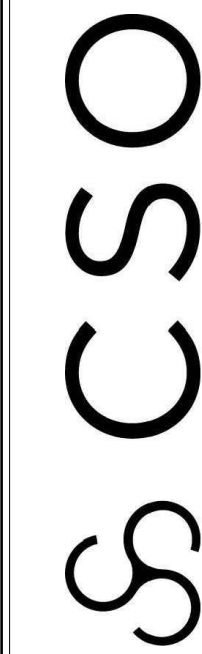


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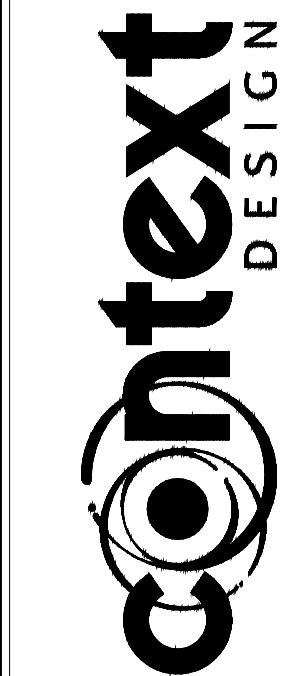


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PROJECT:  
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HAMILTON HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS  
25802 IN-19 Site 2, Arcadia, IN 46030

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REVISIONS:  
02/22/2024 Addendum #1  
02/26/2024 Addendum #2

ISSUE DATE DRAWN BY CHECKED BY  
02/09/2024 MA FP

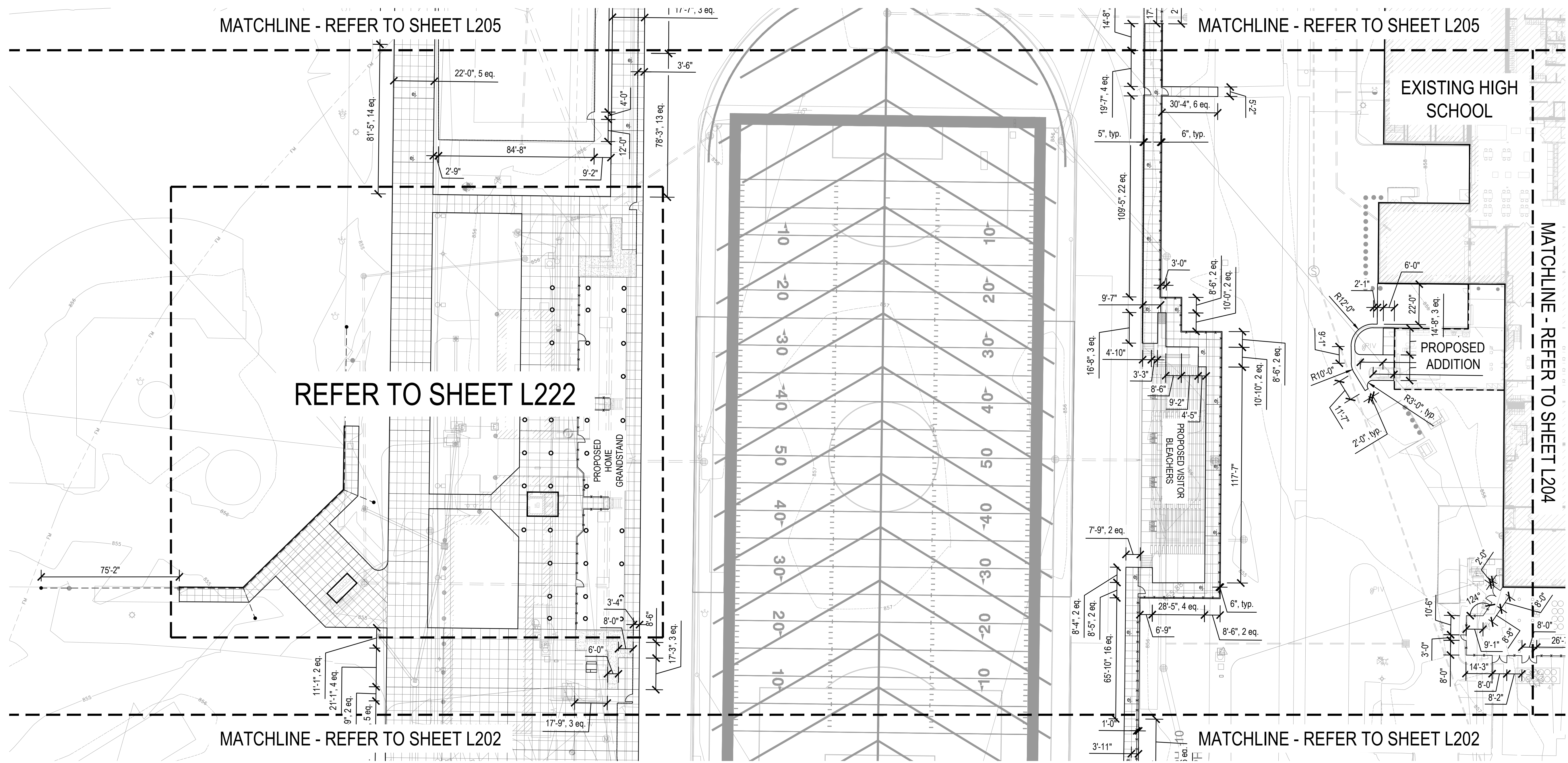
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LAYOUT  
PLAN

CERTIFIED BY:  
FREDIE J. PRAZAK  
REGISTERED  
No. 2020-0052  
STATE OF  
INDIANA  
LANDSCAPE ARCHITECT  
EXPIRES 12-31-2025

DRAWING NUMBER  
L202

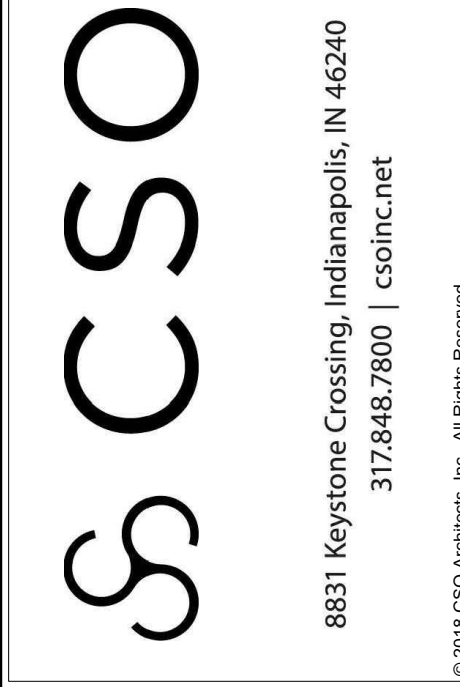
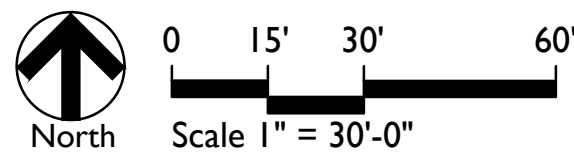
PROJECT NUMBER  
2022060





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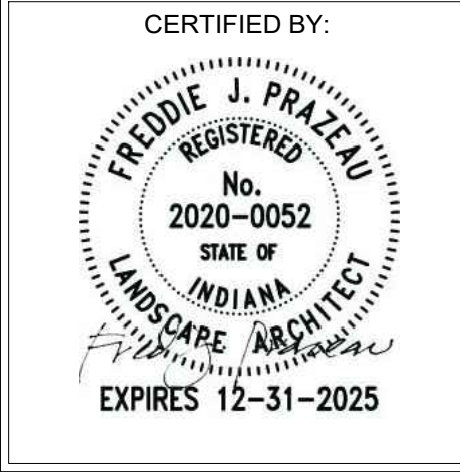
PROJECT:  
HAMILTON HEIGHTS  
SCHOOL CORPORATION  
HAMILTON HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS  
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:  
These drawings indicate the general scope of the project in terms of architectural design concepts, the dimensions of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for the performance and completion of the requirements of the Contract.  
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REVISIONS:		
02/22/2024	Addendum #1	
02/26/2024	Addendum #2	

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:  
  
LAYOUT  
PLAN



DRAWING NUMBER:  
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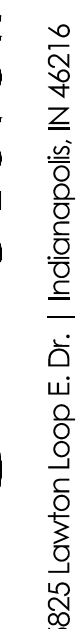
PROJECT NUMBER:  
**2022060**





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PROJECT: HAMILTON HEIGHTS  
SCHOOL CORPORATION  
HAMILTON HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS  
25802 IN-10 Site 2 Arcadia IN 46030

### SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.

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REVISIONS:		
	02/22/2024	Addendum #
	02/26/2024	Addendum #

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE

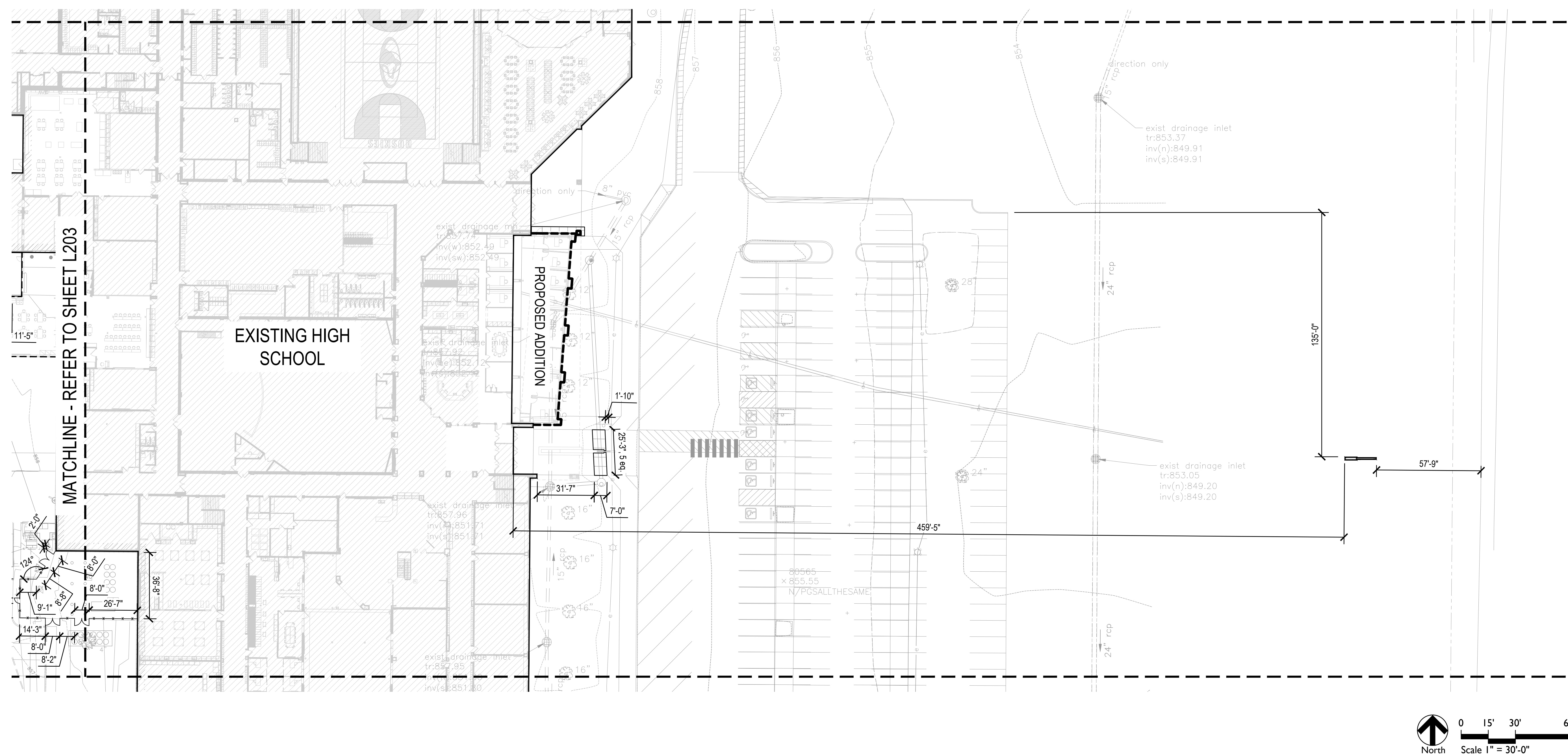
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CERTIFIED BY:



DRAWING NUMBER  
**L204**

PROJECT NUMBER  
2022060



## LAYOUT NOTES

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PROJECT: HAMILTON HEIGHTS  
SCHOOL CORPORATION  
HAMILTON HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS  
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:

**SCOPE DRAWINGS:**

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.

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REVISIONS:

▲	02/22/2024	Addendum #1
▲	02/26/2024	Addendum #2

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:

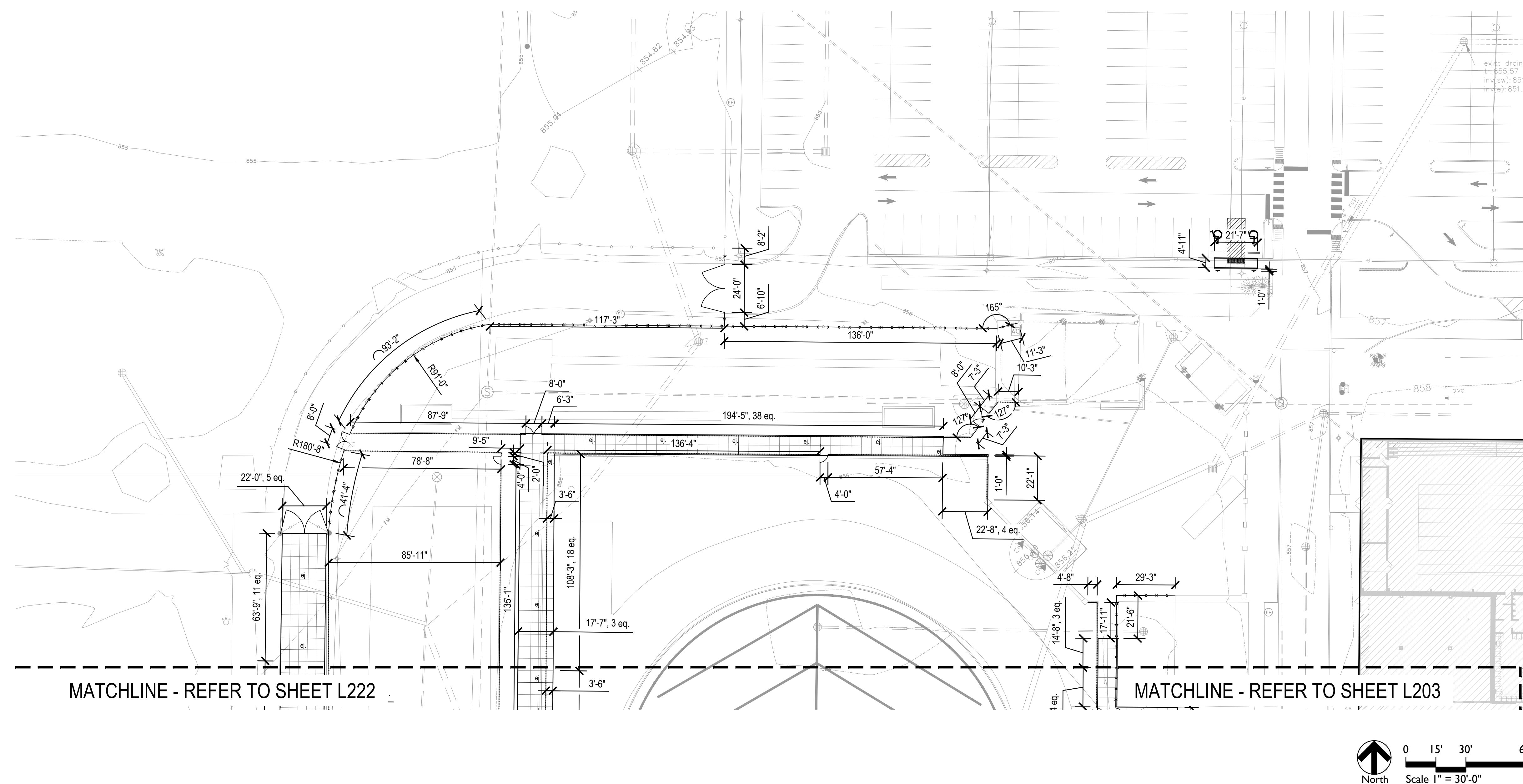
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CERTIFIED BY:



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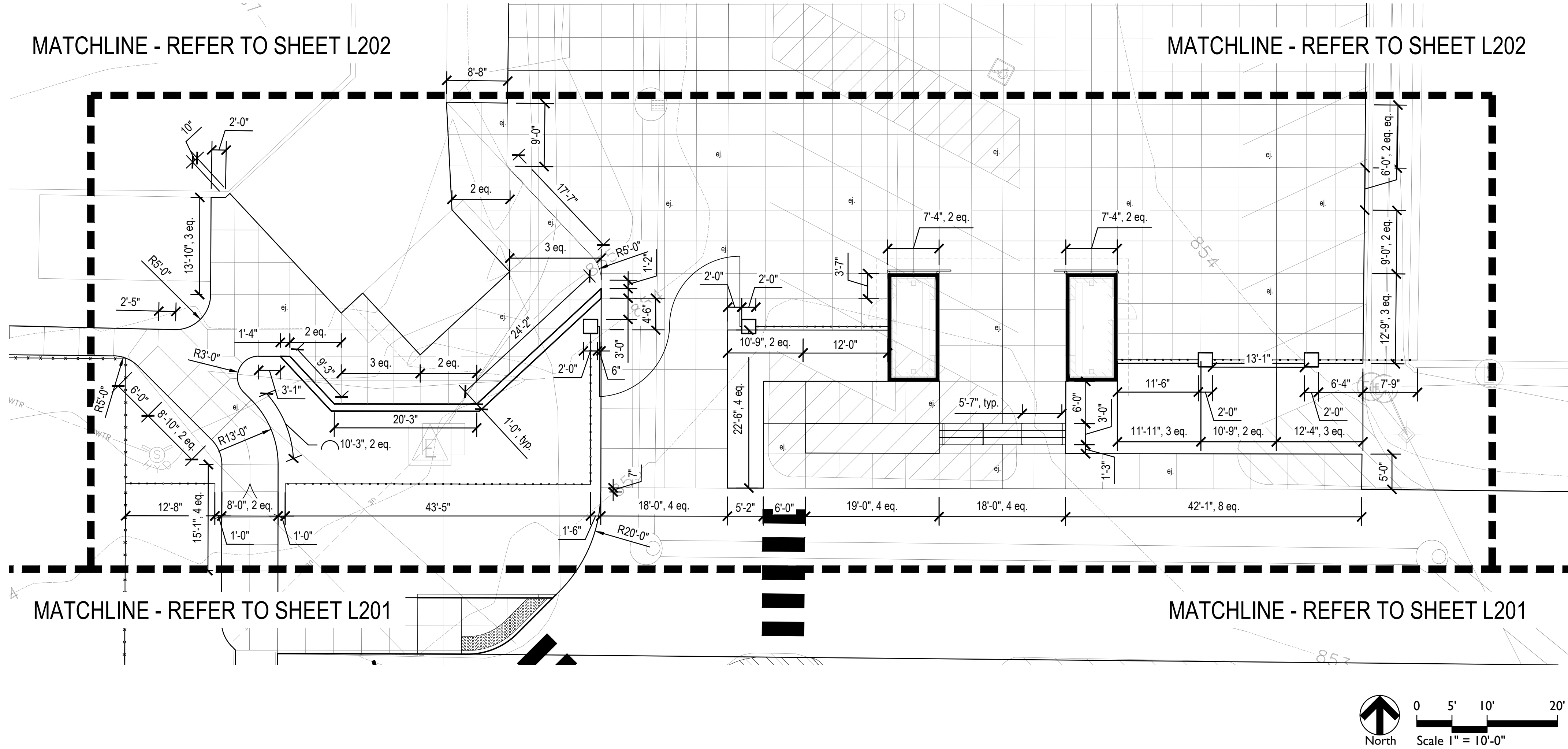
PROJECT NUMBER  
2022060



## LAYOUT NOTES

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LAYOUT NOTES

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PROJECT:

HAMILTON HEIGHTS  
SCHOOL CORPORATION  
HAMILTON HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS  
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:

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REVISIONS:

02/22/2024	Addendum #1
02/26/2024	Addendum #2

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MA	FP

DRAWING TITLE:

LAYOUT  
PLAN  
ENLARGEMENT

CERTIFIED BY:



DRAWING NUMBER

L221

PROJECT NUMBER

2022060

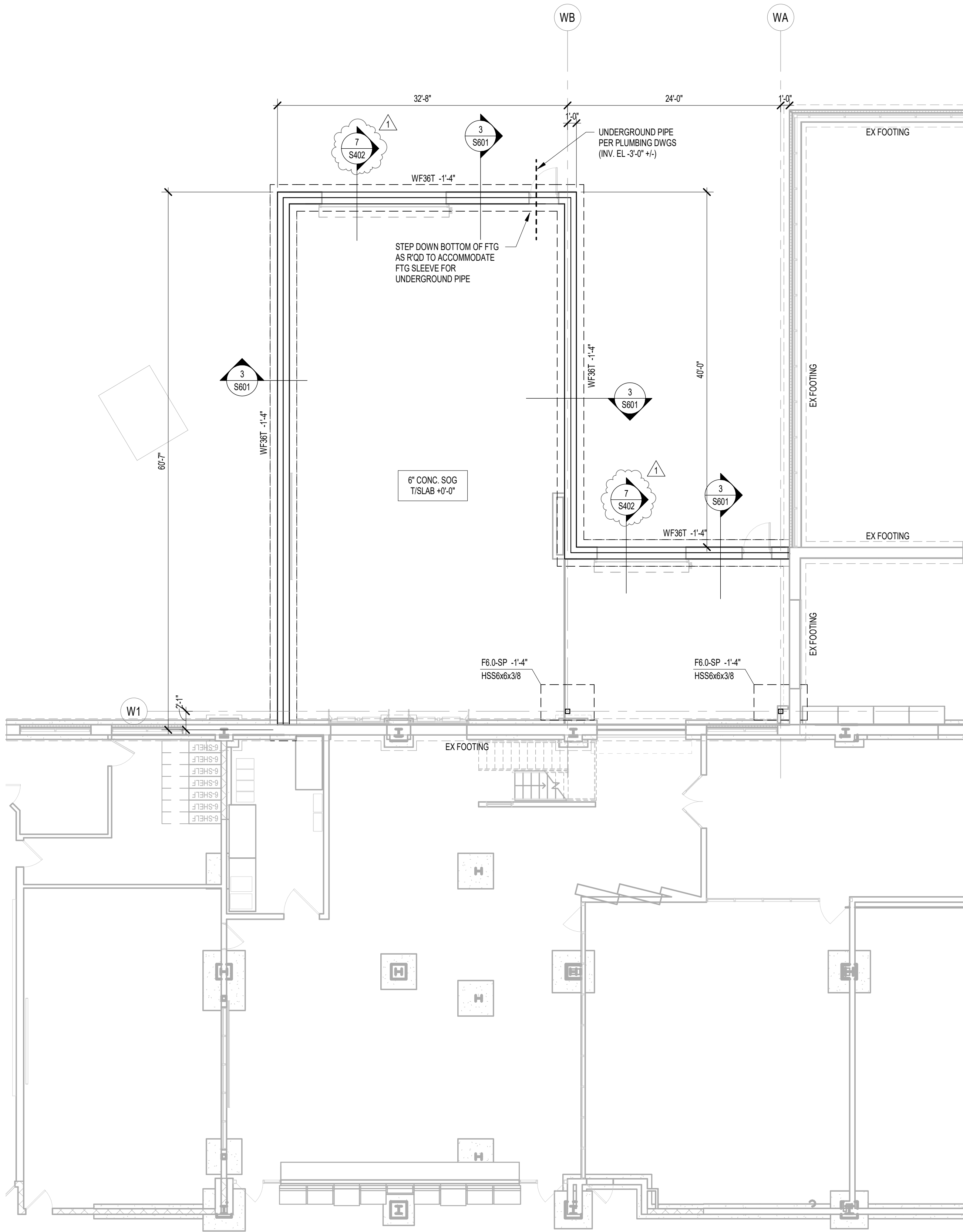








PROJECT NUMBER  
2023060



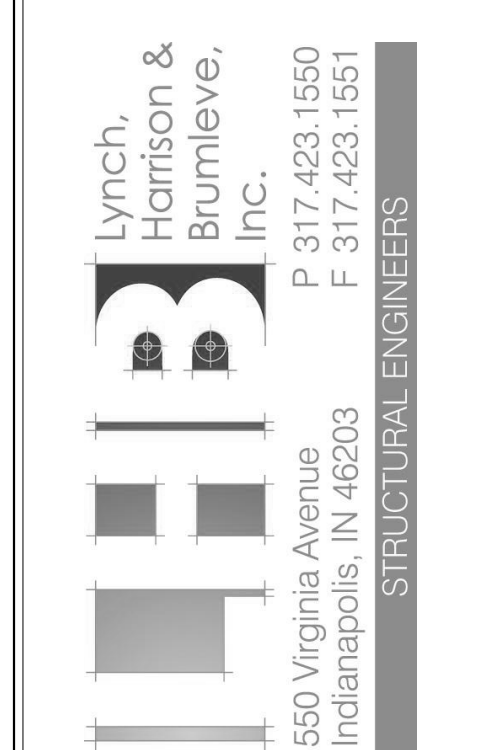
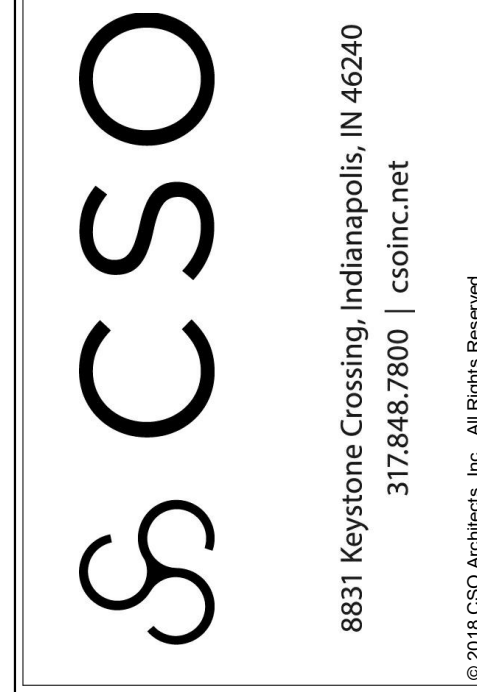
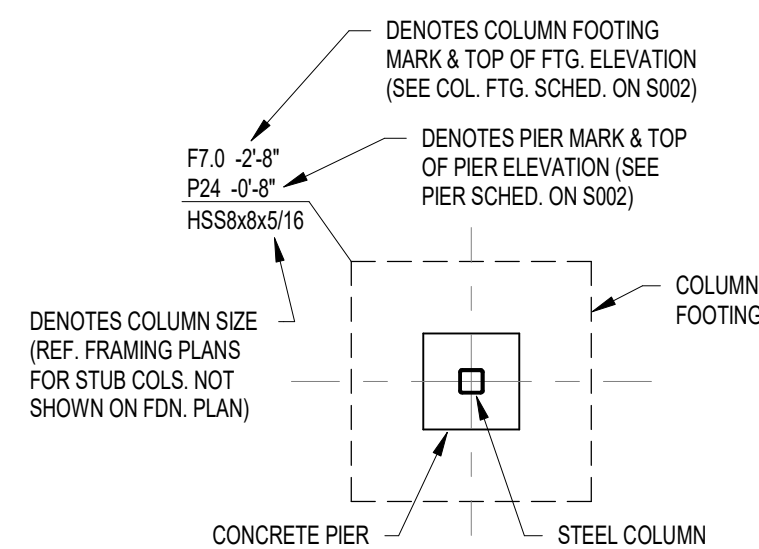
1 AGRICULTURE ADDITION FOUNDATION PLAN  
SCALE: 1/8" = 1'-0"



### FOUNDATION PLAN NOTES

- REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
- REF. THE S400 SERIES FOR TYPICAL FOUNDATION AND MASONRY DETAILS.
- ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
- ALL ELEVATIONS ARE REFERENCED FROM THE EXISTING FIRST FLOOR FIN. FLOOR ELEVATION +0'-0". VERIFY ELEVATION WITH CIVIL DWGS.
- ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
- REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FDN. WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
- NOTE:** PERIMETER FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (E.G. SANITARY & STORM LINES, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S401.
- ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
- PROVIDE CMU REINFORCING AS NOTED ON PLANS & SECTIONS. IF NOT SHOWN ELSEWHERE, MINIMUM CMU WALL REINFORCING TO BE #6 VERTS @ 48" OC. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS, AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" OC MAX VERTICAL SPACING). PROVIDE 1/2" OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERTS, AT ENDS OF WALLS.
- COORDINATE REINFORCING DOVELS FOR CMU VERTICAL REINFORCING WITH REIN. NOTED ON PLANS & SECTIONS.
- GROUT ALL CORES OF CMU SOLD BELOW FIN. FLOOR ELEVATION.
- PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE S401 FOR THICKENED SLAB DETAIL. REF. THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CMU WALLS.
- ALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQ'D. TO SUITABLE BEARING MATERIAL, AS DETERMINED BY THE GEOTECHNICAL TESTING AGENCY. REF. TYPICAL FOOTING UNDERCUT DETAILS ON S402.
- PROVIDE CONTROL CONTRACTION JOINTS IN SLABS ON GRADE (REF. TYPICAL DETAILS ON S401). ALL JOINTS IN SLABS TO RECESS THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
- EARTH-FORMED FOOTINGS ARE ACCEPTABLE WHERE SOIL CONDITIONS PERMIT (I.E. WHERE THE BANKS OF THE EXCAVATION WILL HOLD WITHOUT CAVING AND SLOUGHING). HOWEVER, THE PLAN DIMENSION OF EARTH-FORMED FOOTINGS MUST BE INCREASED BY 2" ALONG ALL EDGES TO ACCOUNT FOR INADEQUACIES ASSOCIATED WITH EARTH-FORMING (I.E. 2'-0" WIDE WALL FOOTINGS SHALL BE 2'-4" WIDE AND 5'-0" SQUARE COLUMN FOOTINGS SHALL BE 5'-4" SQUARE).
- ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS, IMMEDIATELY CONTACT THE ARCHITECT/ENGINEER FOR DIRECTION PRIOR TO PROCEEDING WITH WORK.
- ALL NEW COLUMN FOOTINGS ABUTTING EXISTING FOOTINGS (REF. SP' FTG LABEL ON PLAN) SHALL BE SIZED PER THE FOOTING SCHEDULES SUCH THAT HALF THE FOOTING SIZE SHALL BE TAKEN FROM THE CENTER OF THE COLUMN IN ALL DIRECTIONS NOT LIMITED BY THE ADJACENT EXISTING FOUNDATIONS. BOTTOM OF SP' FOOTINGS SHALL MATCH EXISTING ADJACENT BOTTOM OF FOOTING ELEVATION. REF. SPECIFIC SECTIONS & FOOTING SCHEDULE FOR DOWELING & REINFORCEMENT INFORMATION.
- REF. ARCHITECTURAL DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
- PLAN LEGEND:

F.F.	DENOTES FIN. FLOOR
T/X	DENOTES TOP OF FTG. SLAB, PIER, ETC.
B/X	DENOTES BOTTOM OF FTG. GRADE BEAM, ETC.
C.J.	DENOTES SLAB ON GRADE CONTROL CONTRACTION JOINT
WF24 -Z-8"	DENOTES WALL FOOTING MARK & TOP OF FOOTING ELEVATION (REF. WALL FTG SCHEDULE)
	DENOTES WALL FOOTING WITH STEPS. REF. TYP. DETAIL ON S401
	DENOTES CMU FOUNDATION WALL
	DENOTES CMU FDN. WALL HELD DOWN AT OPENINGS
	DENOTES THICKENED SLAB UNDER INTERIOR NON-LOAD BEARING CMU WALLS
4" CONC. SOG TISLAB +7'-0"	DENOTES SLAB ON GRADE THICKNESS & TISLAB ELEVATION. ALL SLABS ON GRADE TO BE PLACED ON 6" MIN. COMPACTED GRANULAR FILL & VAPOR BARRIER/RETARDER PER SPECS. PROVIDE THE FOLLOWING WELDED WIRE FABRIC REINFORCING: 4" SLAB: 6x6-W14XW1.4 WWF 6" SLAB: 6x6-W2.5XW2.5 WWF



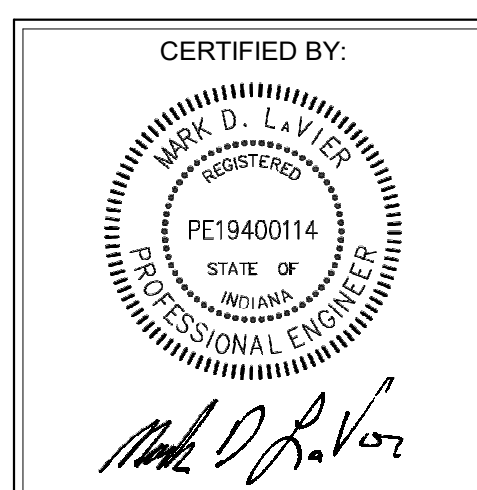
PROJECT:  
HAMILTON HEIGHTS  
SCHOOL CORPORATION  
HAMILTON HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS  
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:  
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On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:  
1 Addendum #2 02/27/24

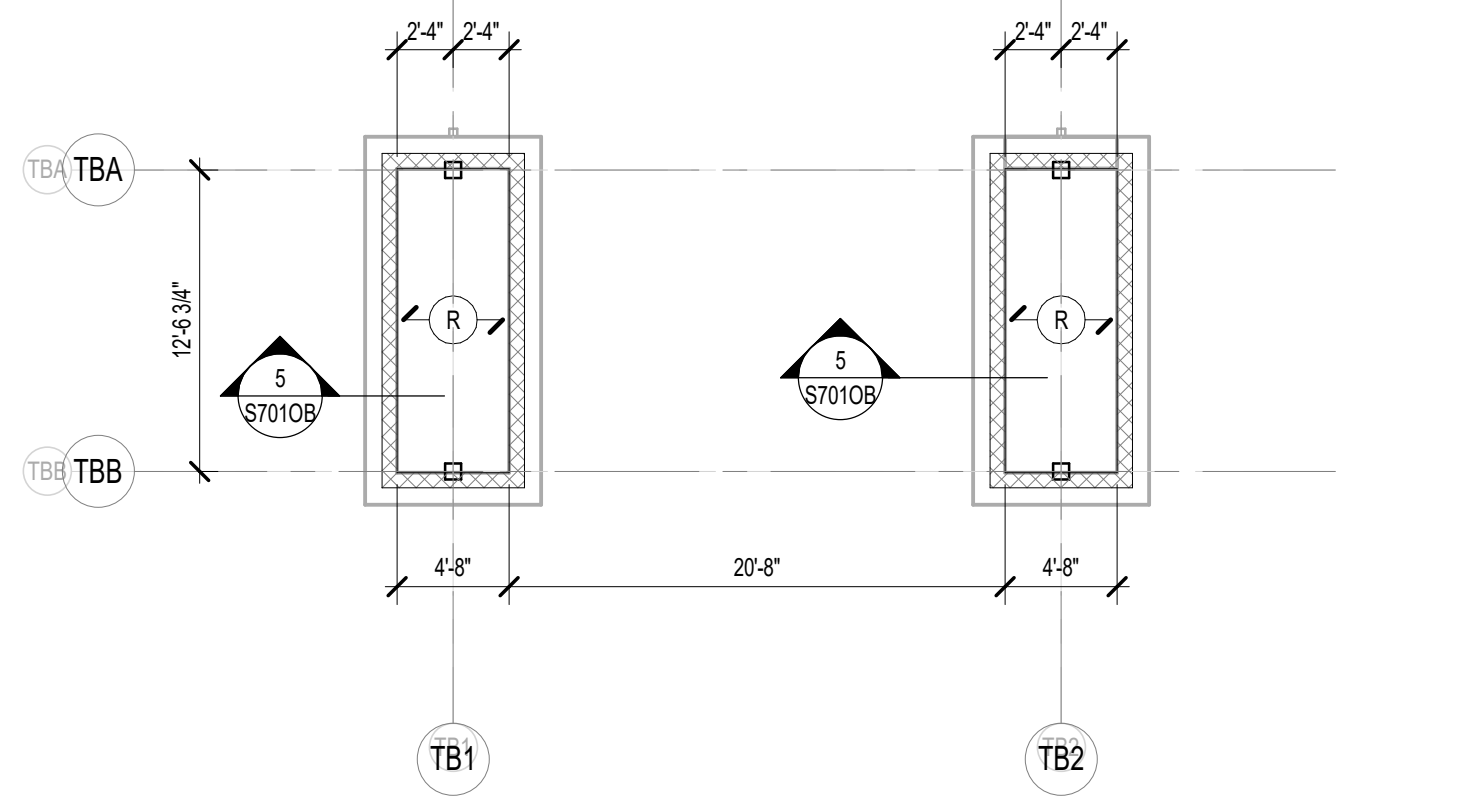
ISSUE DATE 02/09/2024  
DRAWN BY LHB  
CHECKED BY MDL

DRAWING TITLE:  
AGRICULTURE  
FOUNDATION  
PLAN

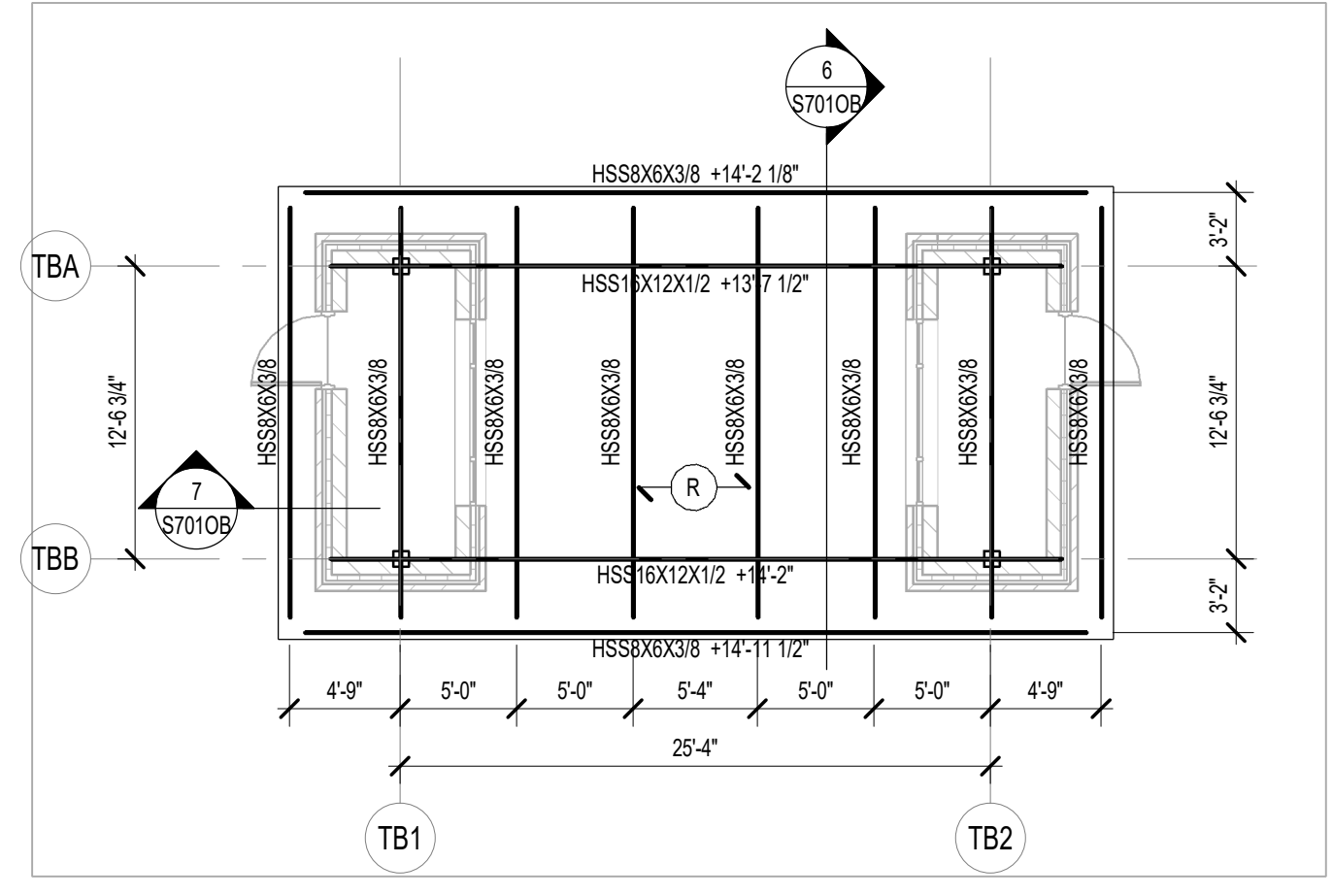


DRAWING NUMBER  
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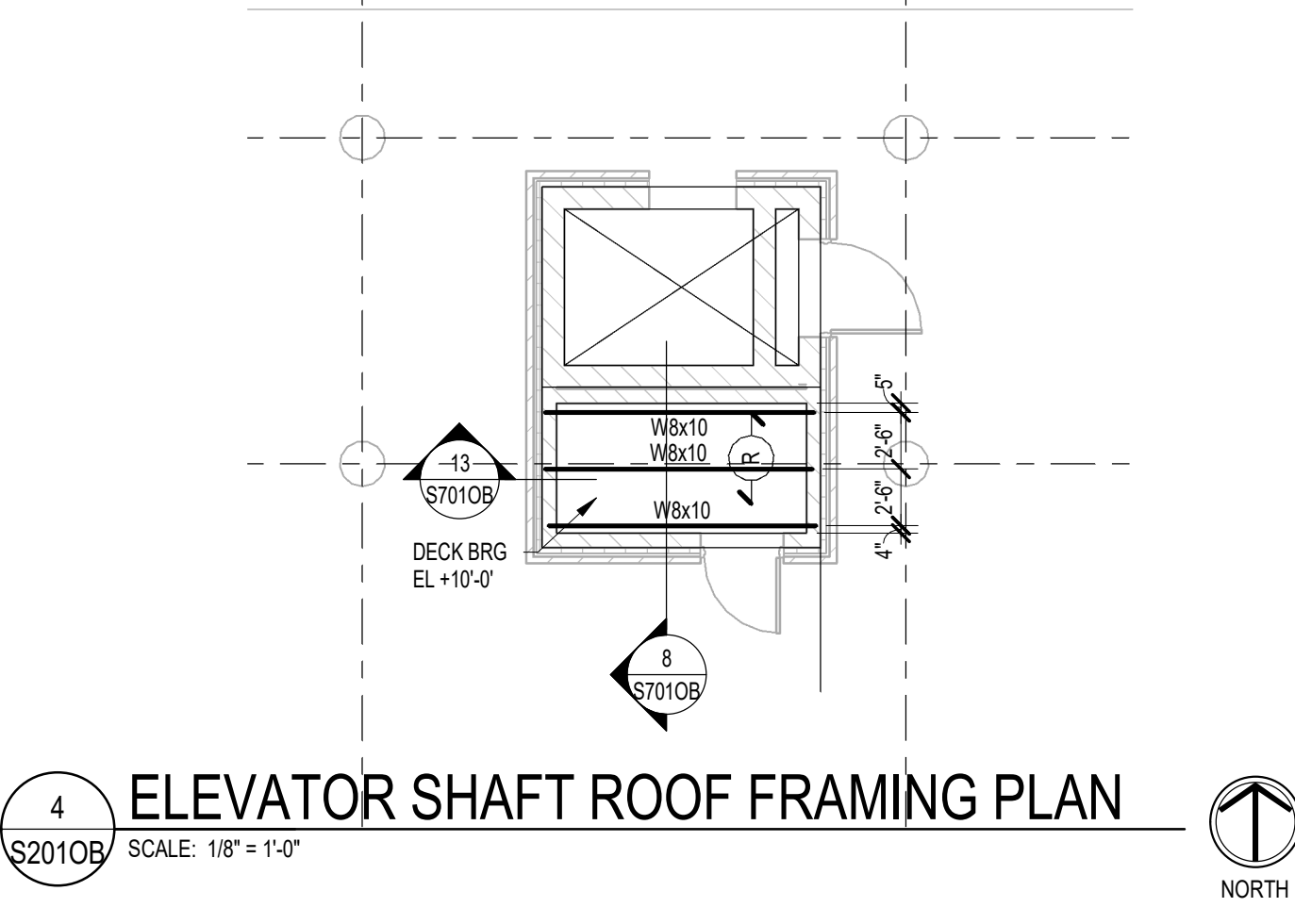
PROJECT NUMBER  
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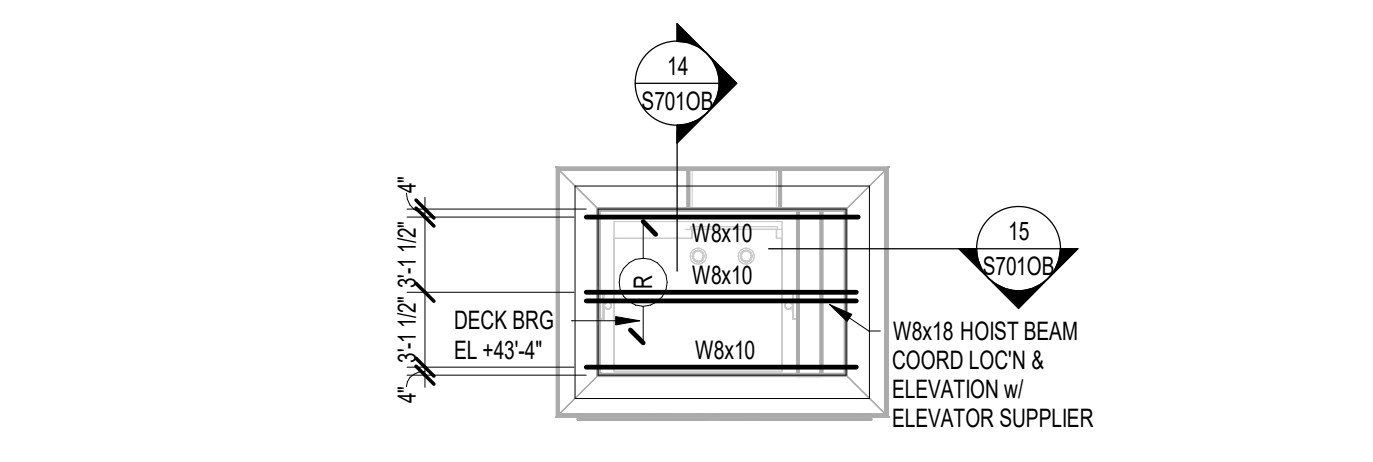
**2 TICKET BOOTH LOW ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH



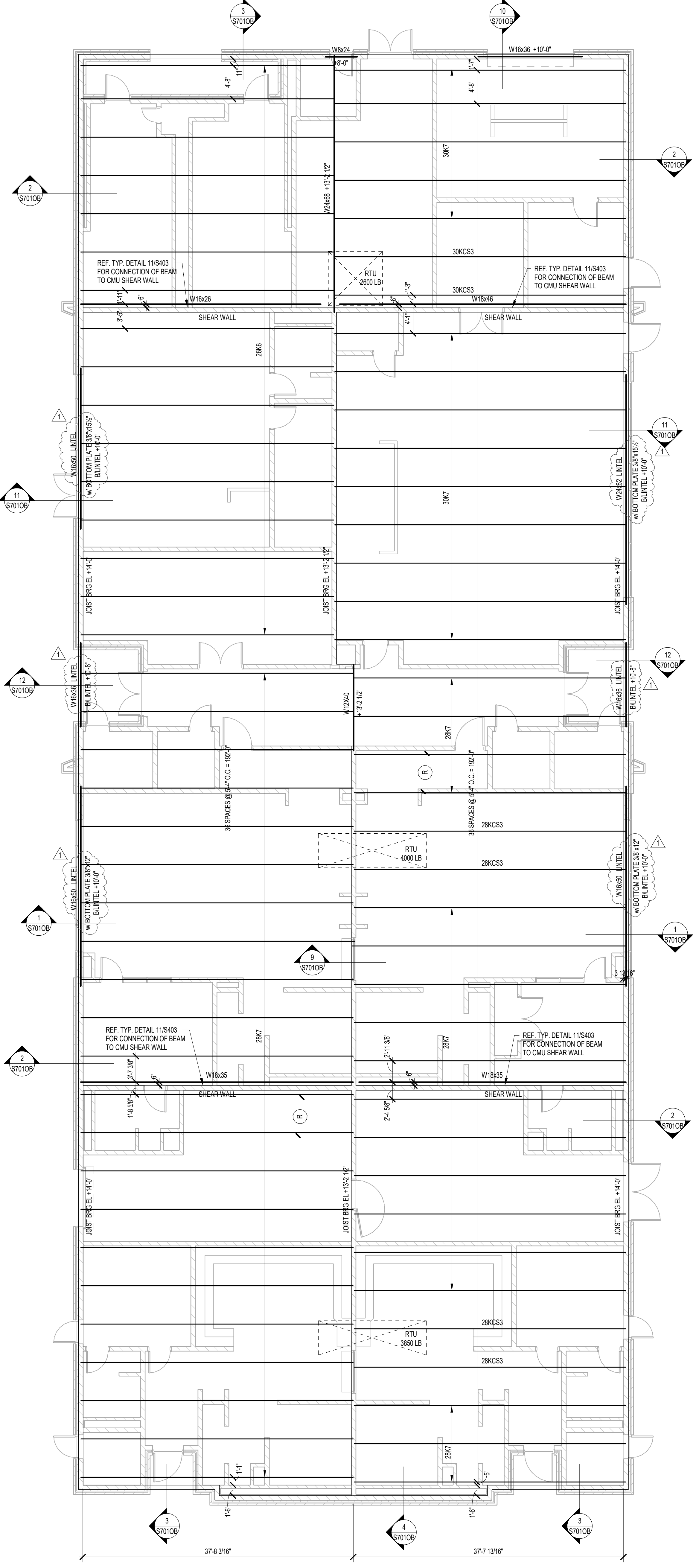
**3 TICKET BOOTH ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH



**4 ELEVATOR SHAFT ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH



**5 ELEVATOR TOWER ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH



**1 LOCKER ROOM ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH

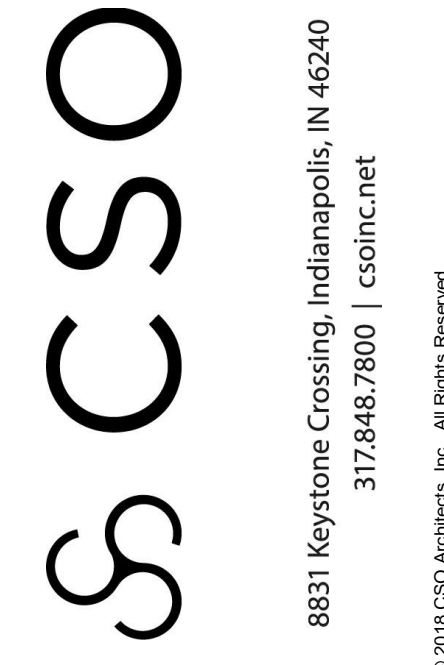
**FRAMING PLAN NOTES**

- REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
- REF. THE S400 SERIES FOR TYPICAL FRAMING AND MASONRY DETAILS.
- ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
- ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FIN. FLOOR ELEVATION +0'-0". VERIFY ELEVATION WITH CIVIL DWGS.
- ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
- REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
- ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
- PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL 75404. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
- PROVIDE FRAMES AT ALL ROOF DRAWS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S404. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
- PROVIDE CMU REINFORCING AS NOTED ON PLANS. IF NOT SHOWN ON PLANS, MINIMUM CMU WALL REINFORCING TO BE #5 VERTS @ 48" O.C. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" O.C. MAX VERTICAL SPACING). PROVIDE 1/2" OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERTS. AT ENDS OF WALLS.
- ACOUSTICAL CMU PANELS TO BE REGARDED AS WALL OPENINGS FOR THE PURPOSES OF HORIZONTAL BOND BEAM REINFORCING. PROVIDE BOND BEAMS IMMEDIATELY ABOVE AND BELOW PANELS. VERTICAL REINFORCING TO BE CONTINUOUS THROUGH ACOUSTICAL CMU PANELS.
- ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, UNLESS NOTED OTHERWISE.
- REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
- ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
- PLAN LEGEND:

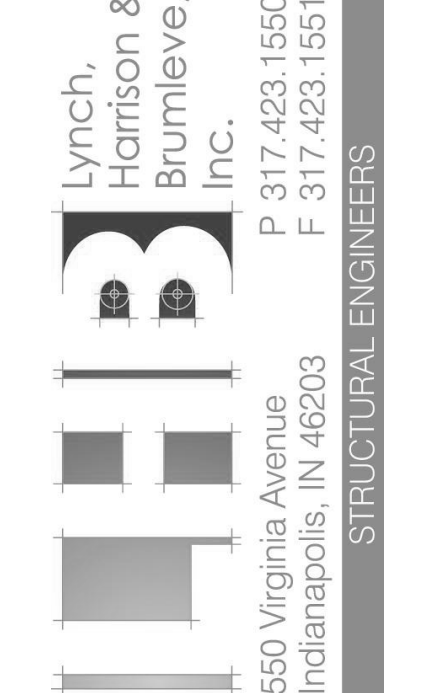
- |      |   |
|------|---|
| F.F. | DENOTES FIN. FLOOR  |
| T/X  | DENOTES TOP OF STEEL SLAB, ETC.   |
| B/X  | DENOTES BOTTOM OF LINTEL, ETC.  |
| SE   | DENOTES SLAB EDGE DIMENSION MEASURED FROM BEAM OR COLUMN CENTERLINE   |
| DE   | DENOTES DECK EDGE ANGLE DIMENSION MEASURED FROM BEAM OR COLUMN CENTERLINE   |
| BP   | DENOTES 2" x 20 GA. GALVANIZED COMPOSITE DECK W/ 3" NW CONC. SLAB W/ 6x6-W1.4-WVF. TOTAL Y = 5". REF. DETAIL 25404. |
| (F)  | DENOTES 1/2" x 20 GA. GALVANIZED AND PRIME-PAINTED WIDE RIB STEEL ROOF DECK. REF. DETAIL 15404.                     |
| (R)  | DENOTES BEAM-TO-COLUMN MOMENT CONNECTION. REF. DETAILS ON S405.   |
| (B)  | DENOTES BEAM-THRU-BEAM MOMENT CONNECTION. REF. DETAILS ON S404.   |
| (X)  | DENOTES BRACED FRAME OR KICKER LOCATION   |
| (X)  | DENOTES APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S404 FOR TYPICAL OPENING FRAMES.                  |



**Hamilton Heights  
School Corporation**



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317.462.7800 | CSO@csnet.net  
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**Lynch, Harrison & Brumleve, Inc.**  
550 Virginia Avenue  
Indianapolis, IN 46203  
P 317.423.1550  
F 317.423.1551  
STRUCTURAL ENGINEERS

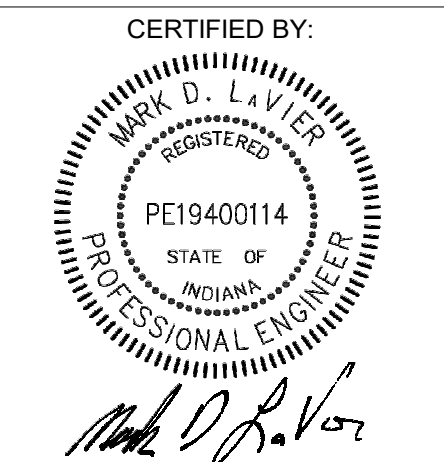
PROJECT:  
**HAMILTON HEIGHTS  
SCHOOL CORPORATION  
SCHOOL HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS**  
25802 IN-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:  
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REVISIONS:  
1 Addendum #2 02/27/24

ISSUE DATE	DRAWN BY	CHECKED BY
02/09/2024	MDL	MDL

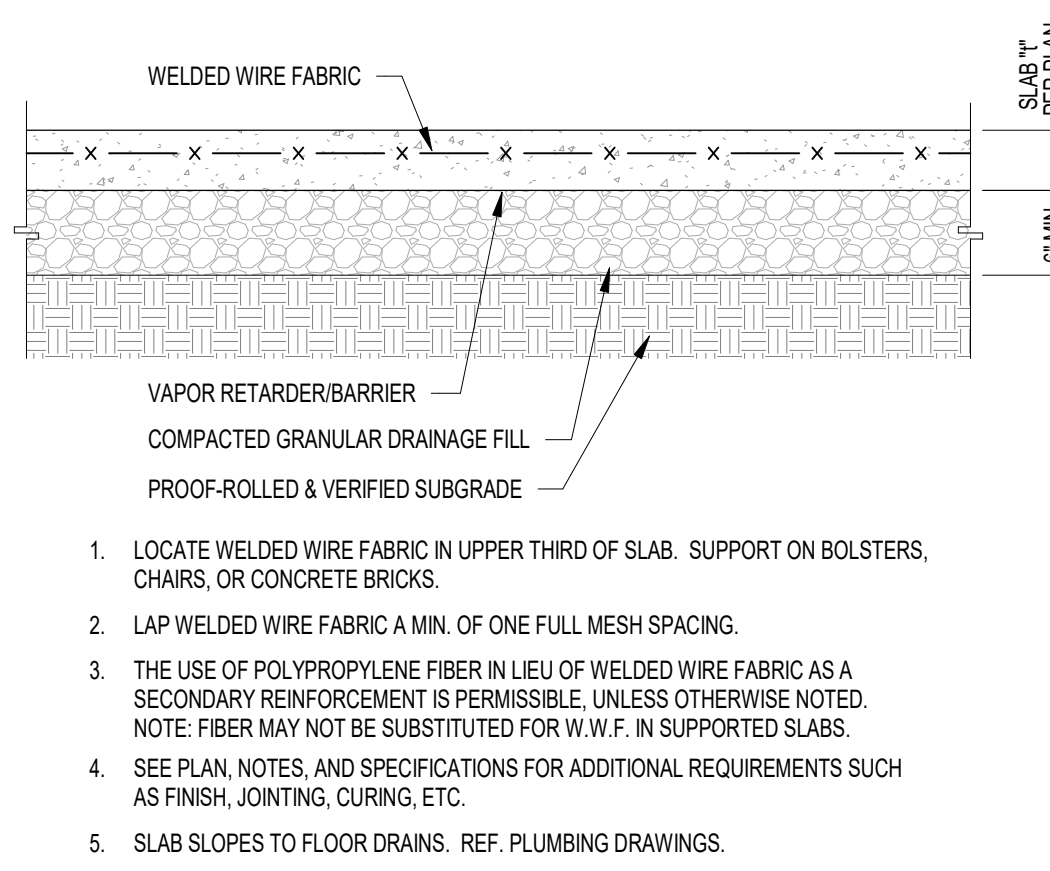
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**OUTBUILDINGS  
ROOF FRAMING  
PLANS**



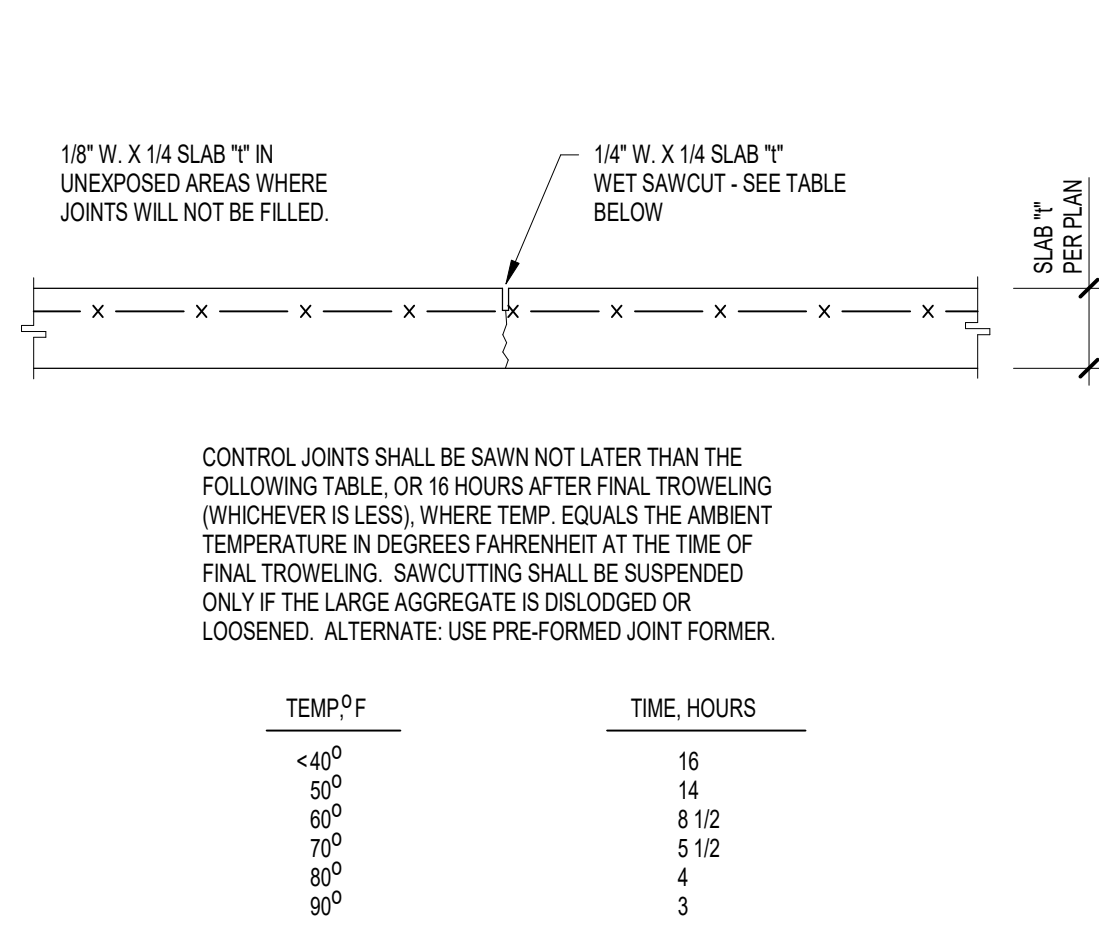
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PROJECT NUMBER  
**2023060**

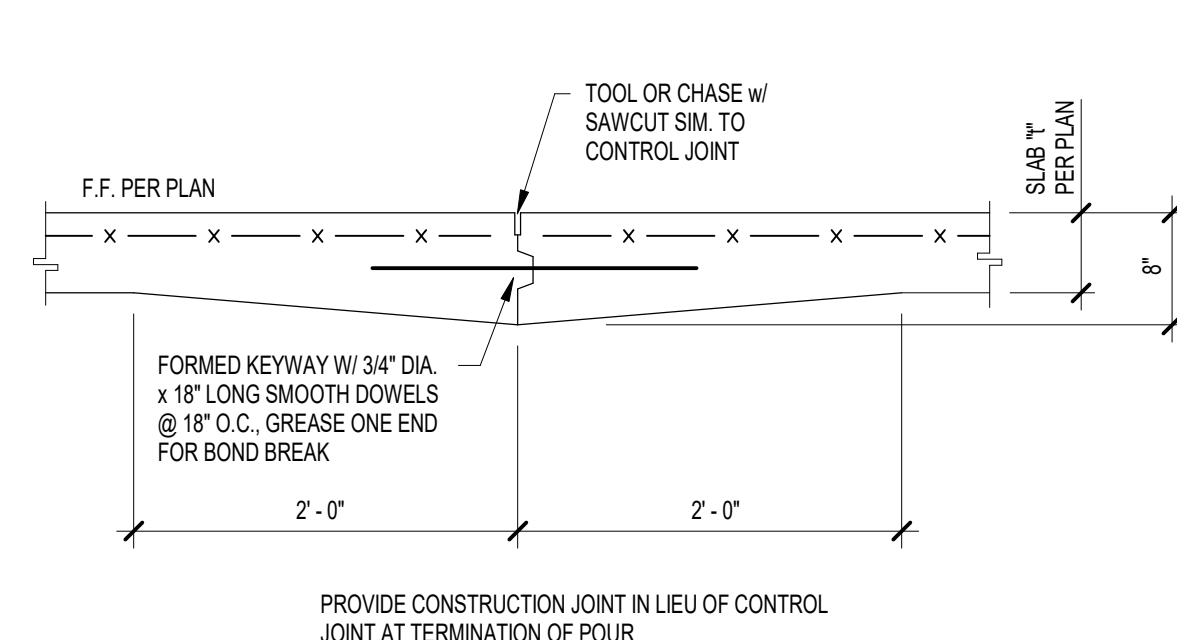




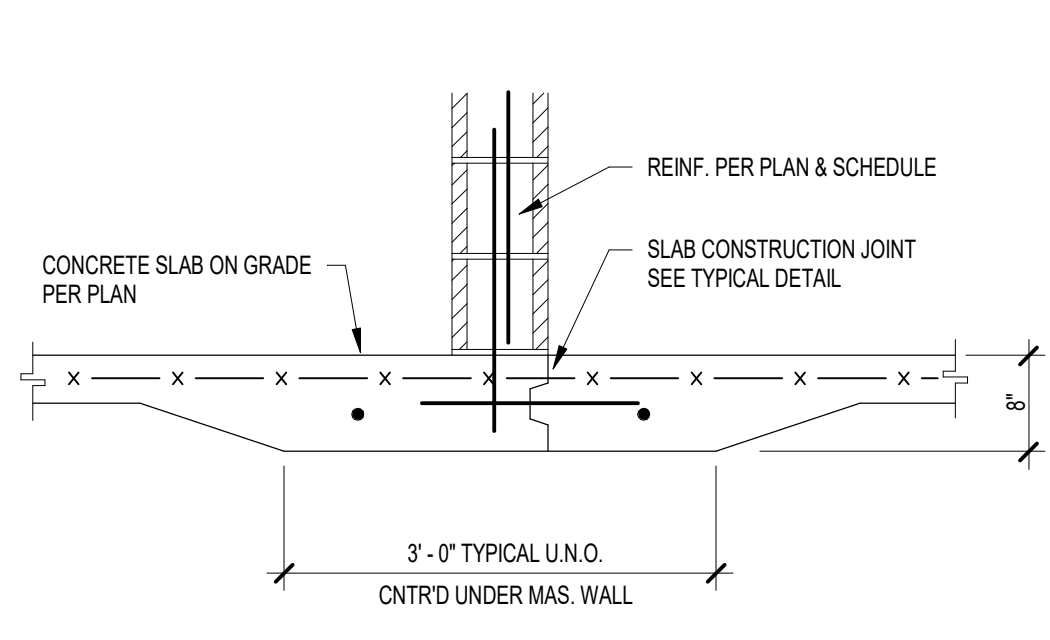
1 SLAB ON GRADE CONSTRUCTION  
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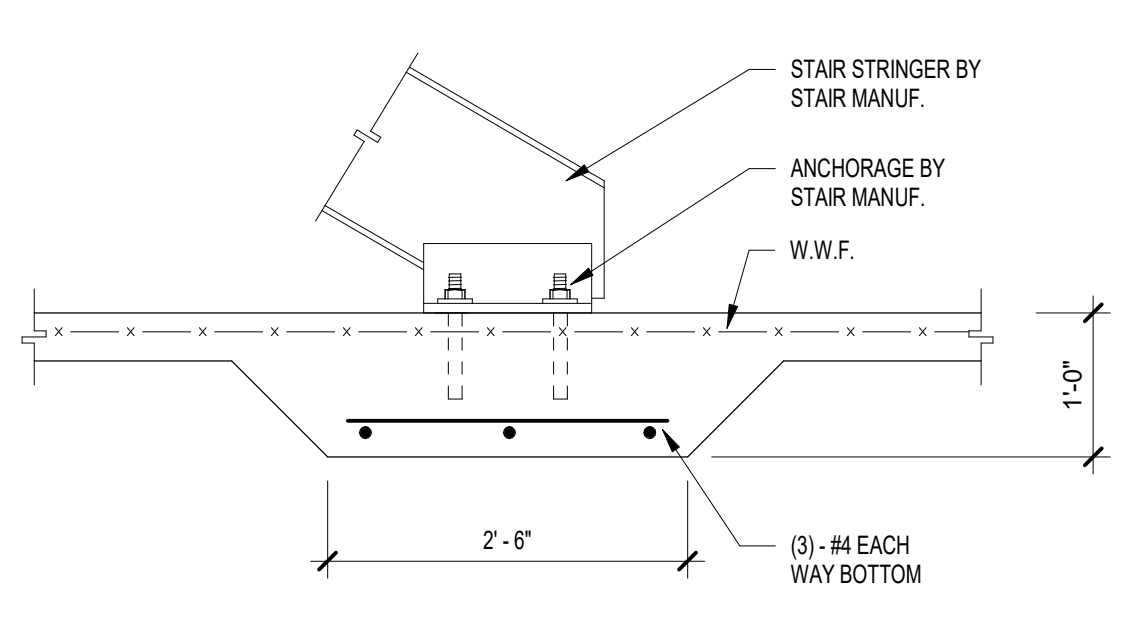
2 SLAB CONTROL/CONTRACTION JOINT  
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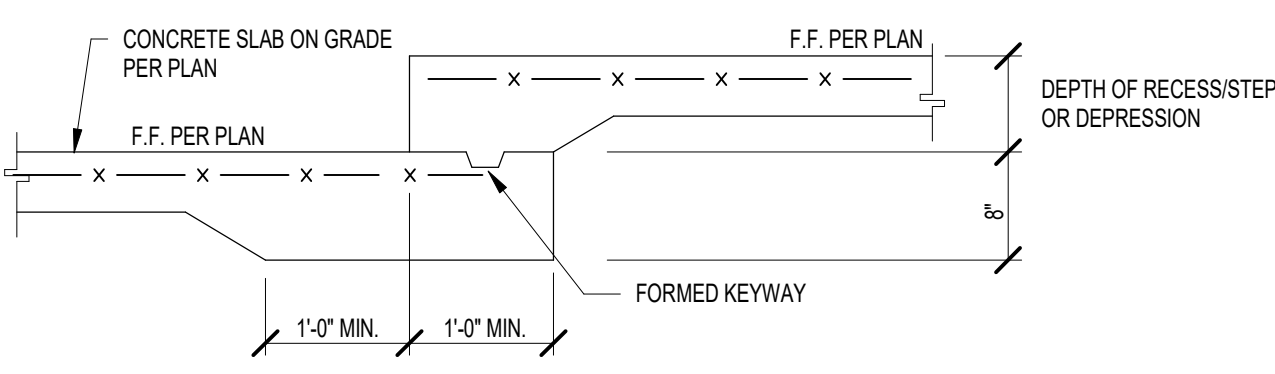
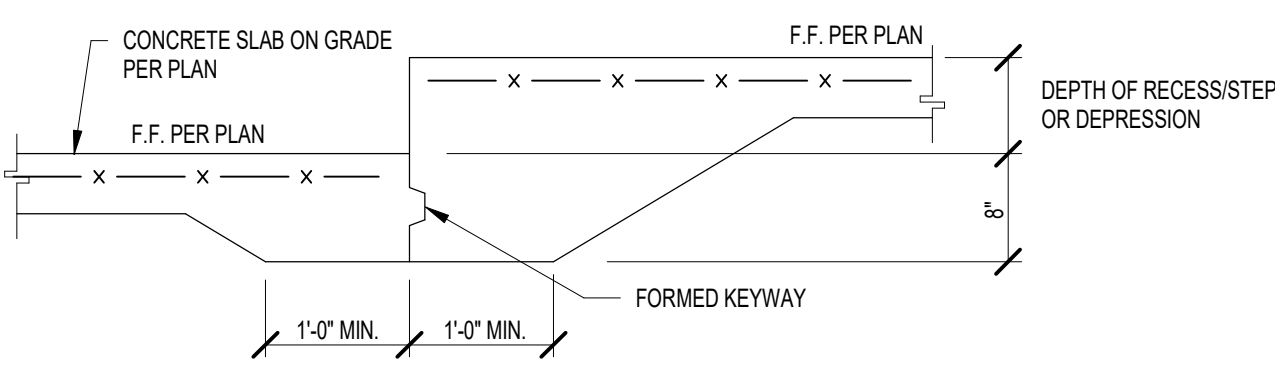
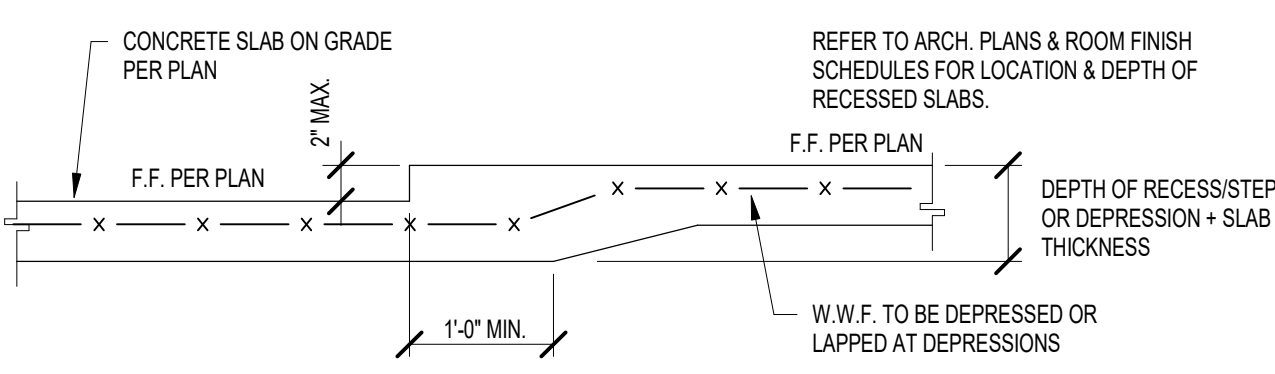
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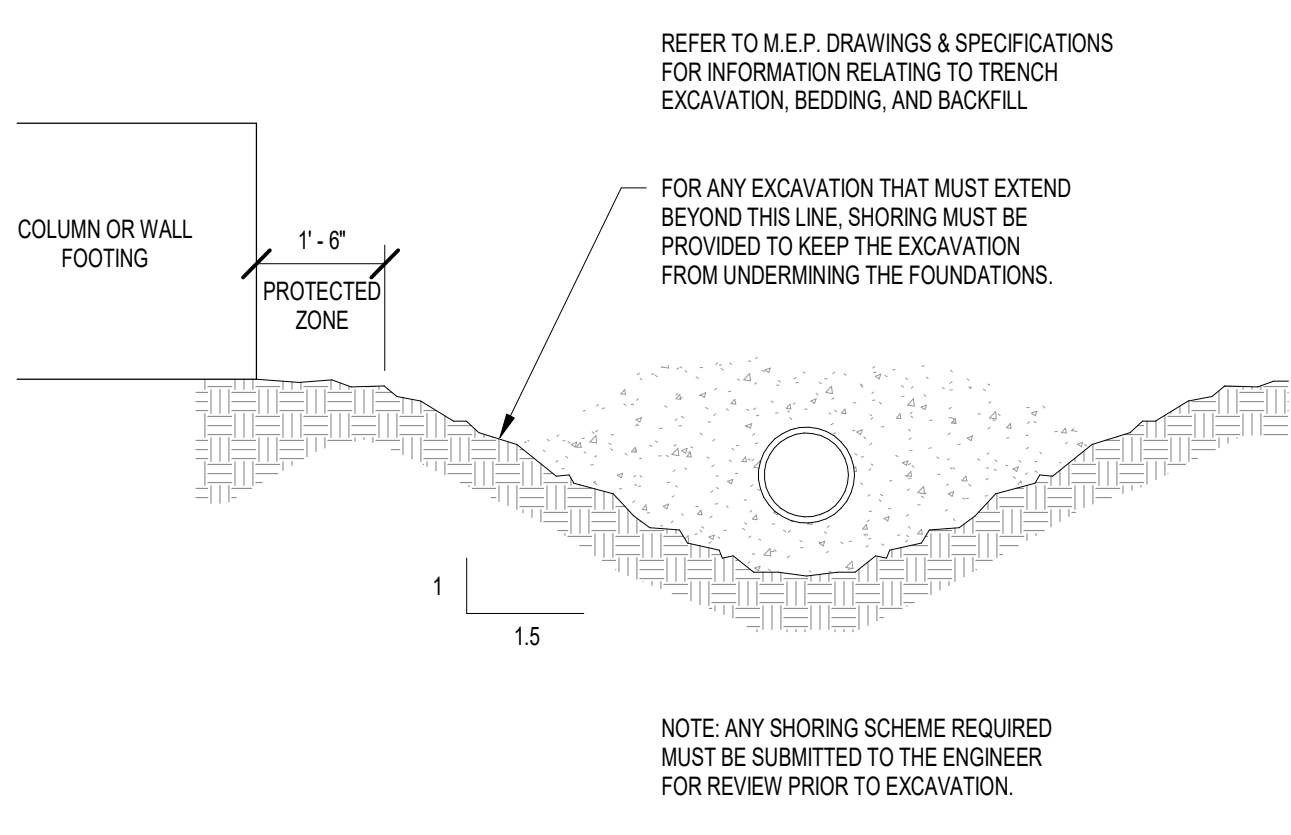
4 THICKENED SLAB DETAILS  
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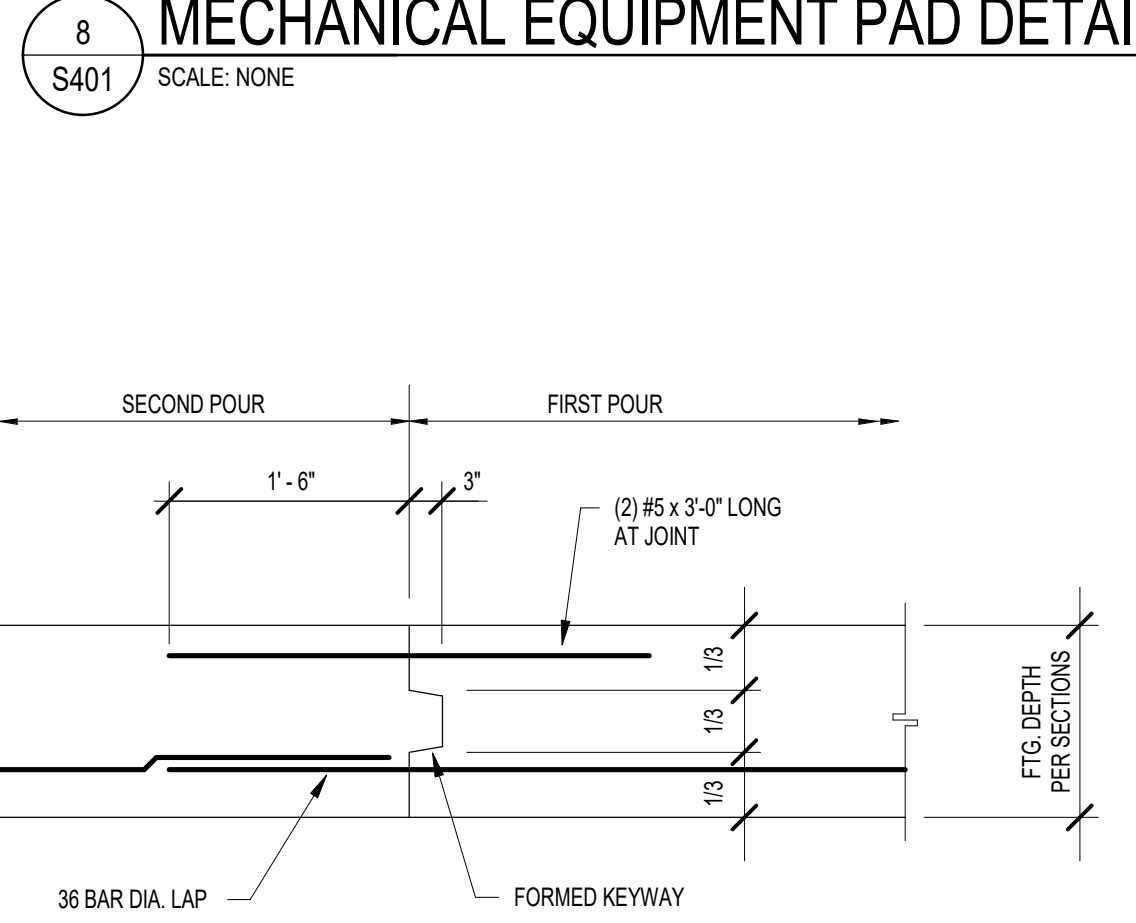
5 THICKENED SLAB AT STAIR POSTS  
S401 SCALE: NONE



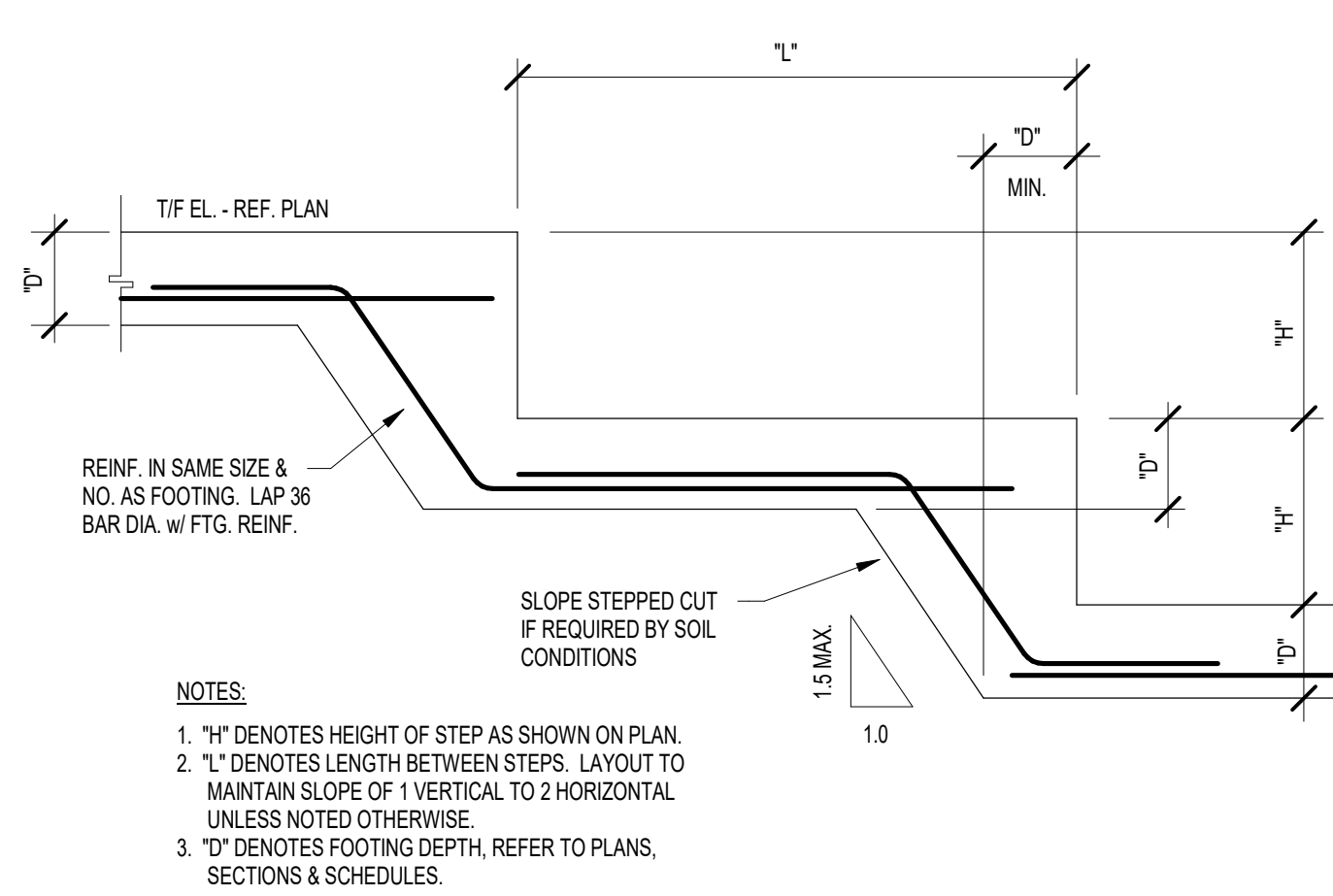
6 RECESSED SLAB DETAIL  
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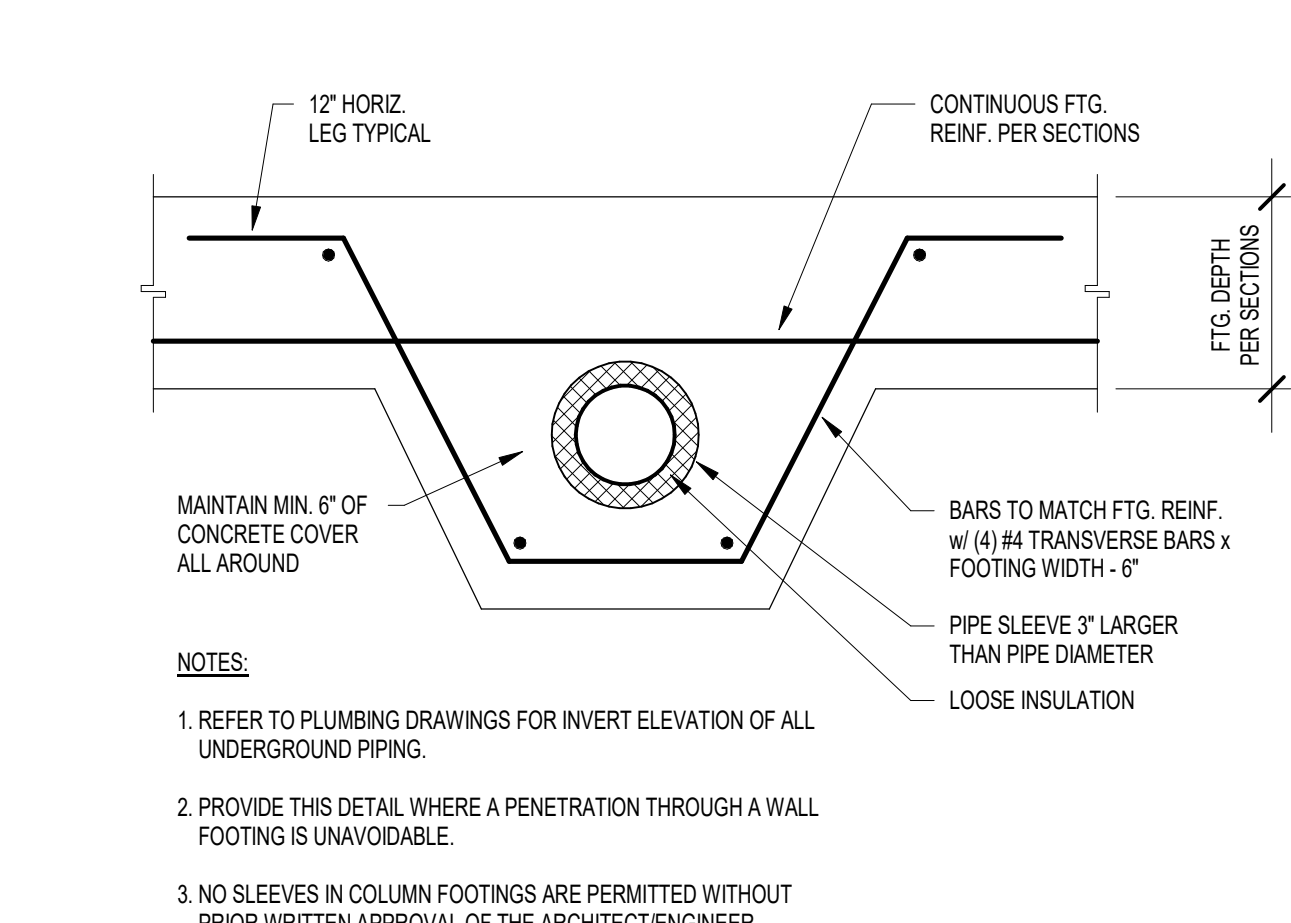
7 EXCAVATION LIMITS DETAIL  
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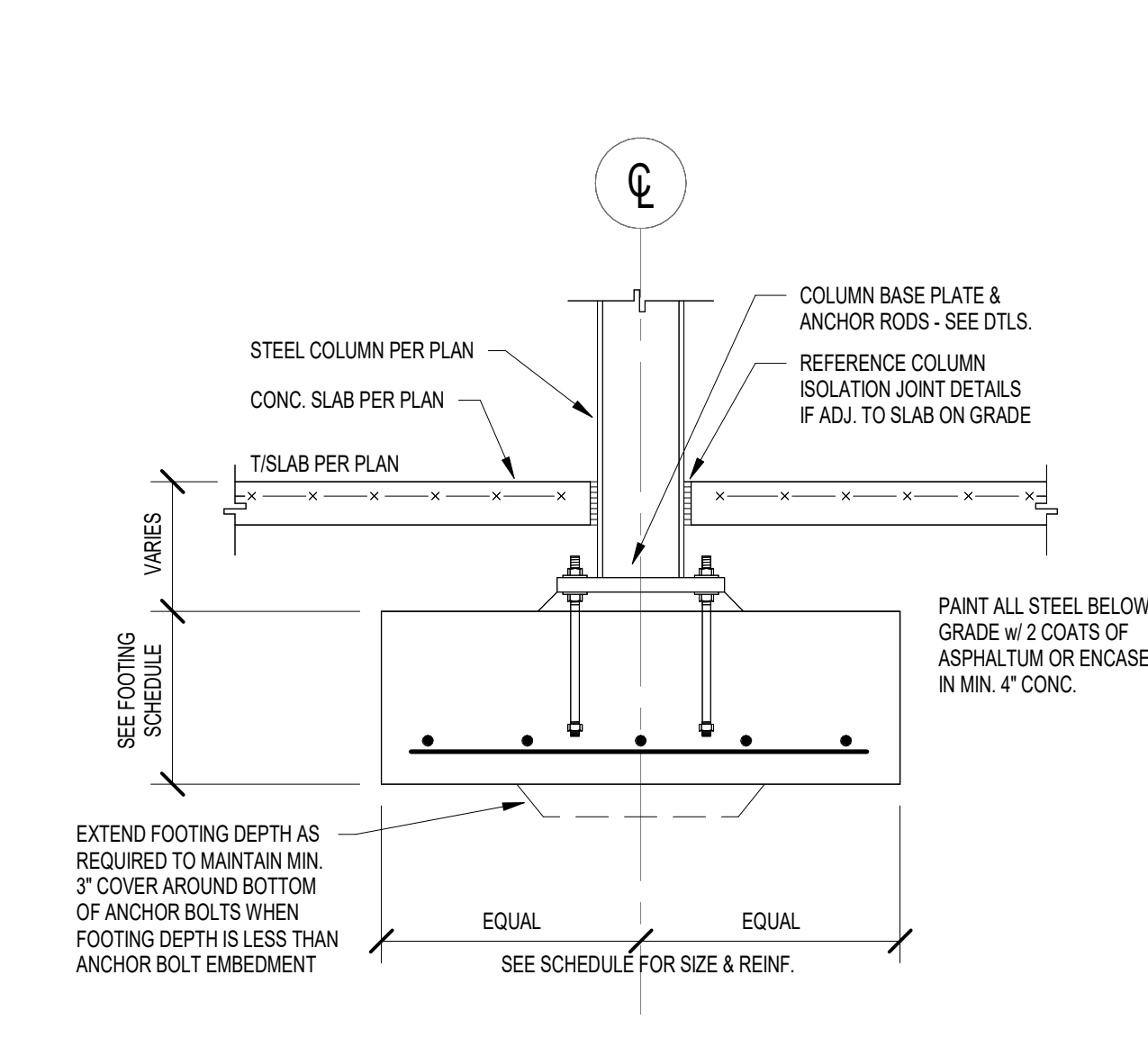
9 WALL FOOTING CONSTRUCTION JOINT  
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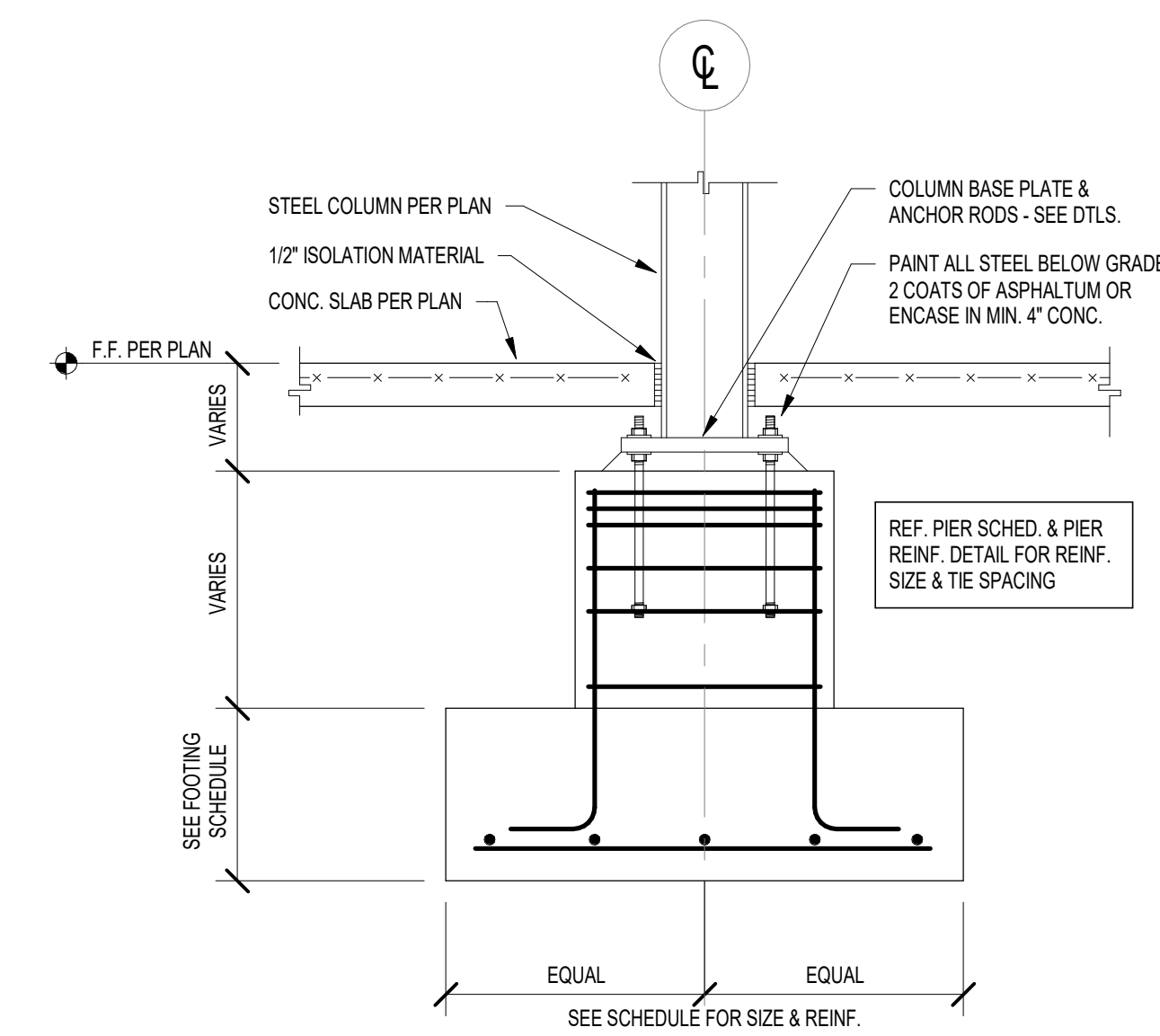
10 STEPPED WALL FOOTING DETAIL  
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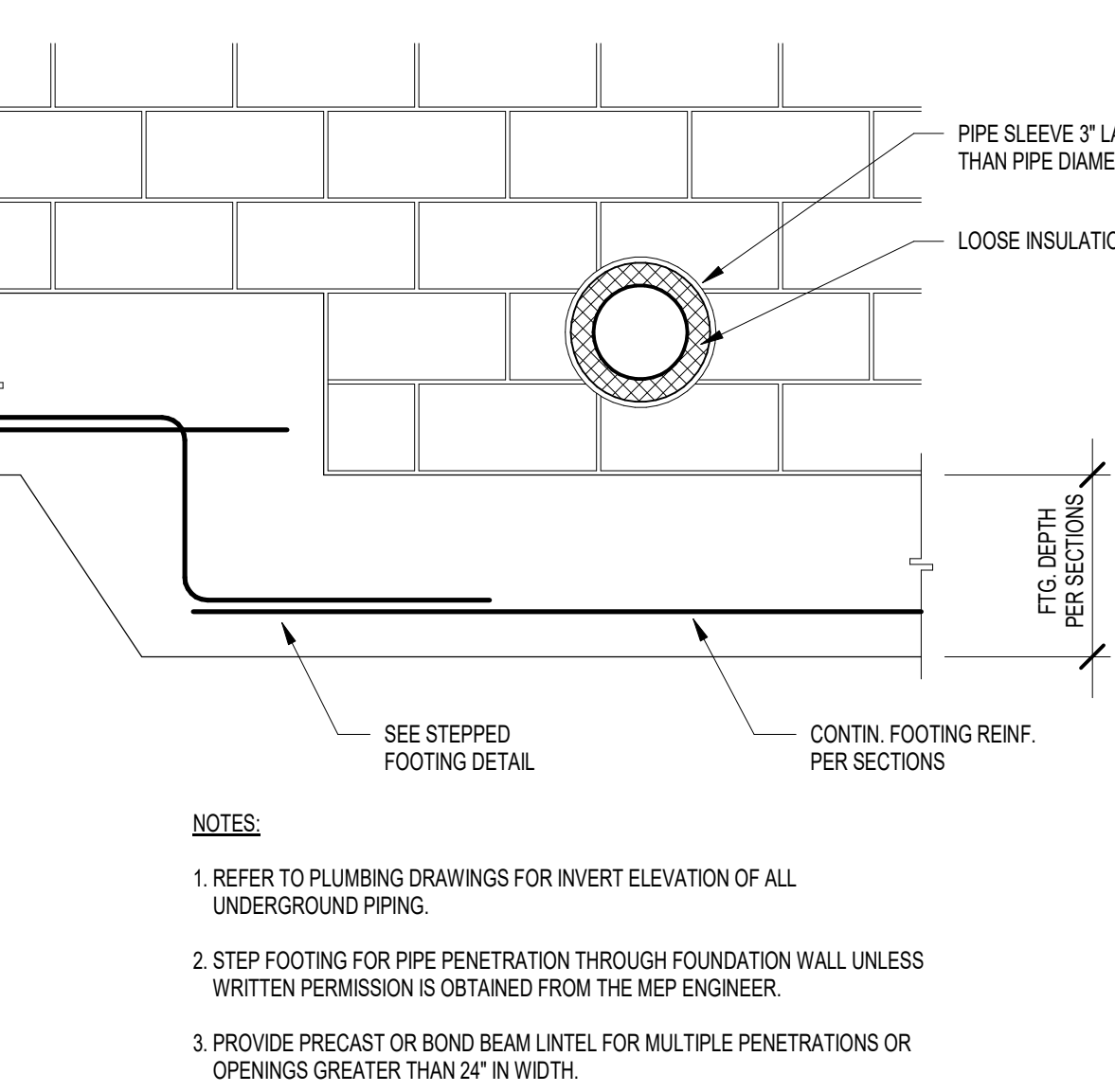
11 WALL FOOTING SLEEVE DETAIL  
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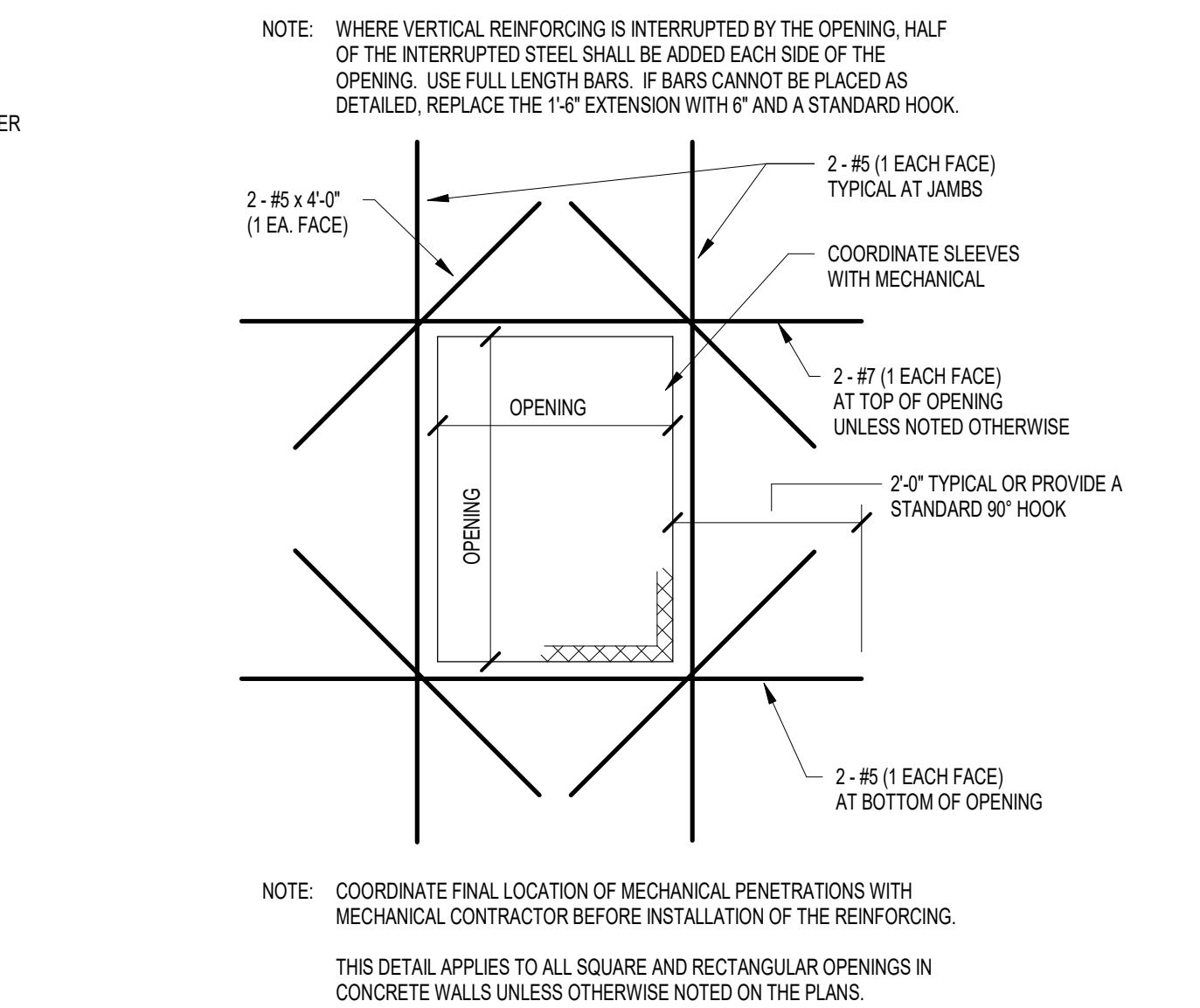
12 TYPICAL INTERIOR COLUMN FOOTING DETAIL  
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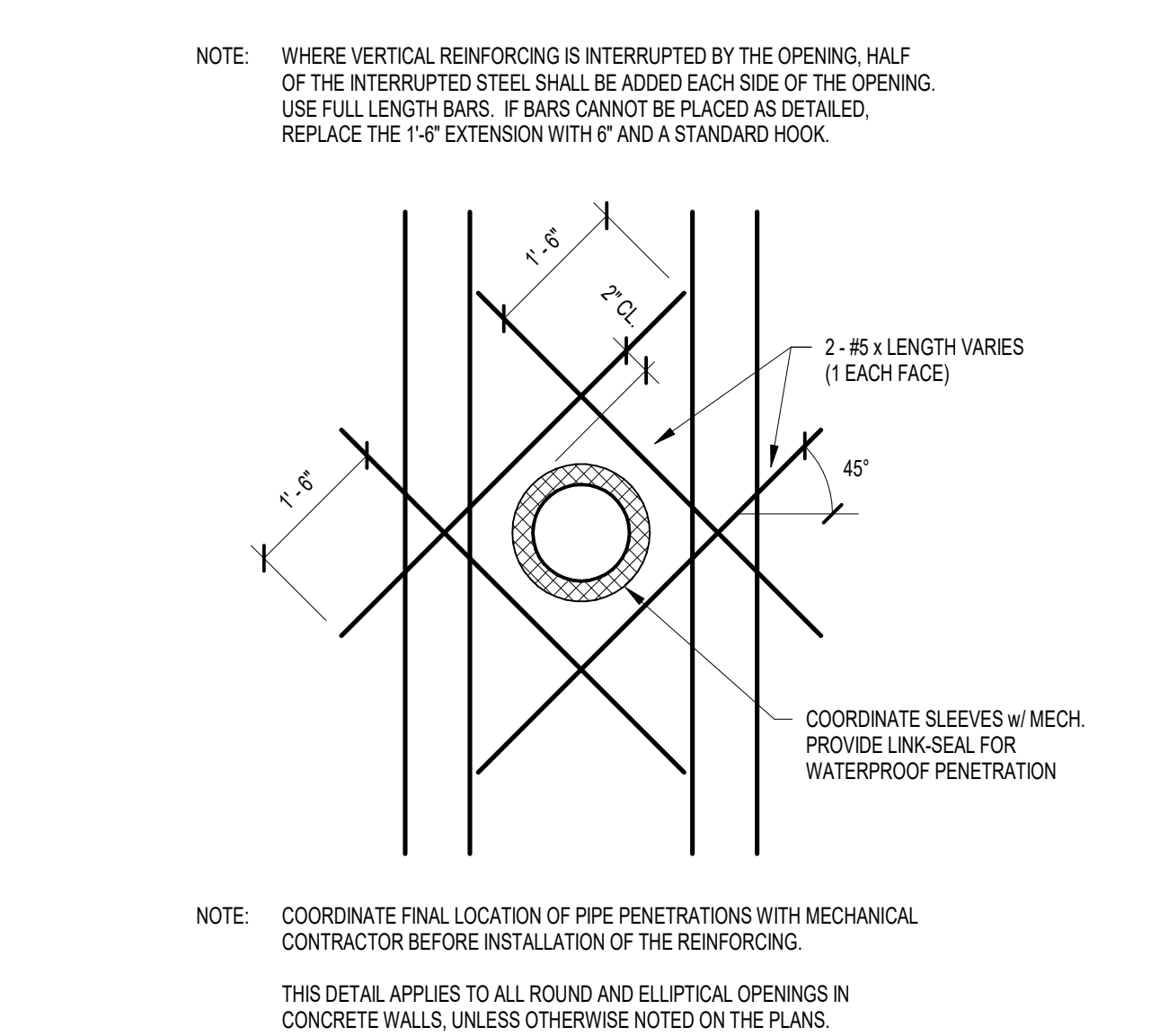
13 INTERIOR COLUMN FOOTING w/PIER DETAIL  
S401 SCALE: NONE



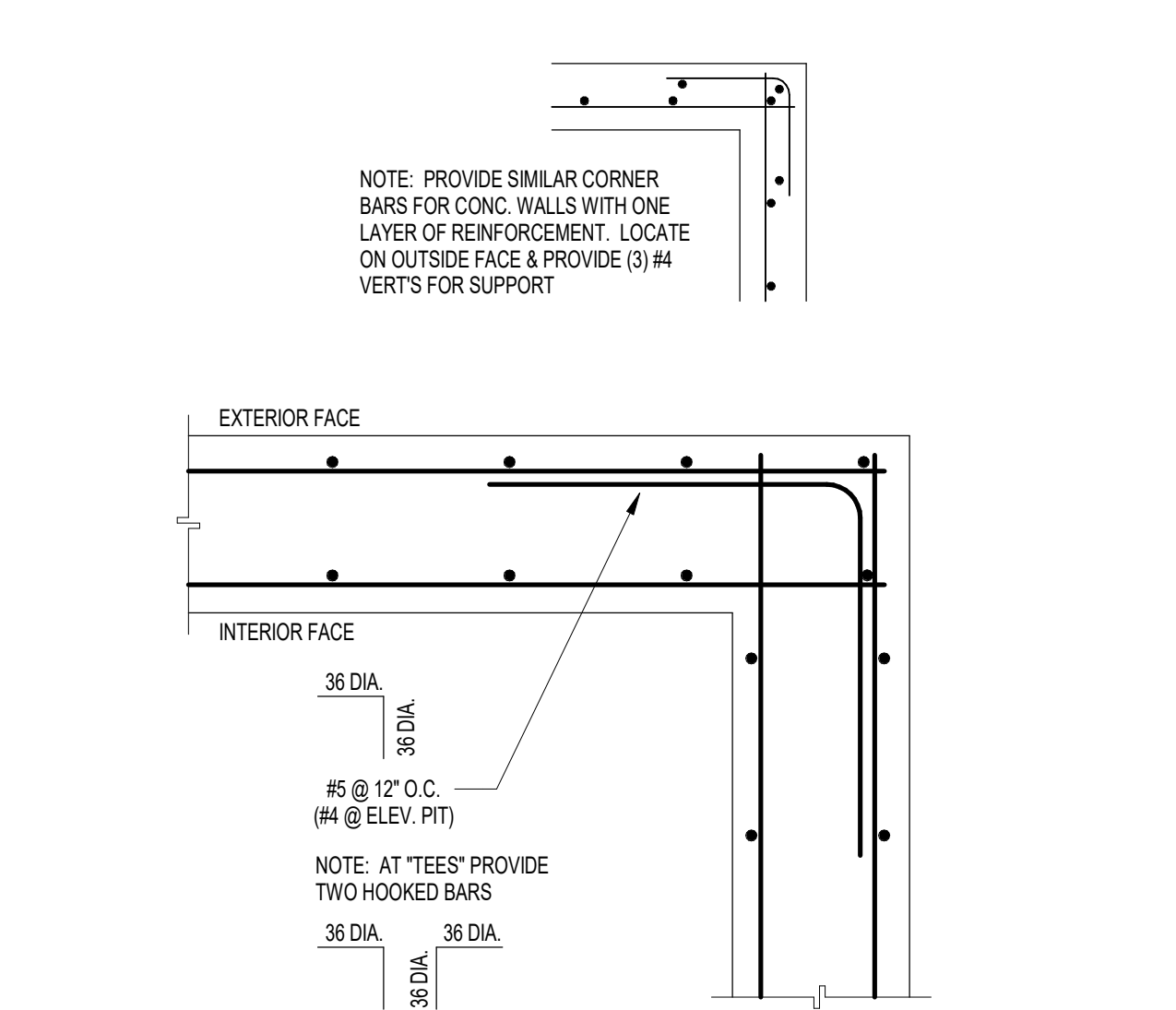
14 CMU FOUNDATION WALL SLEEVE  
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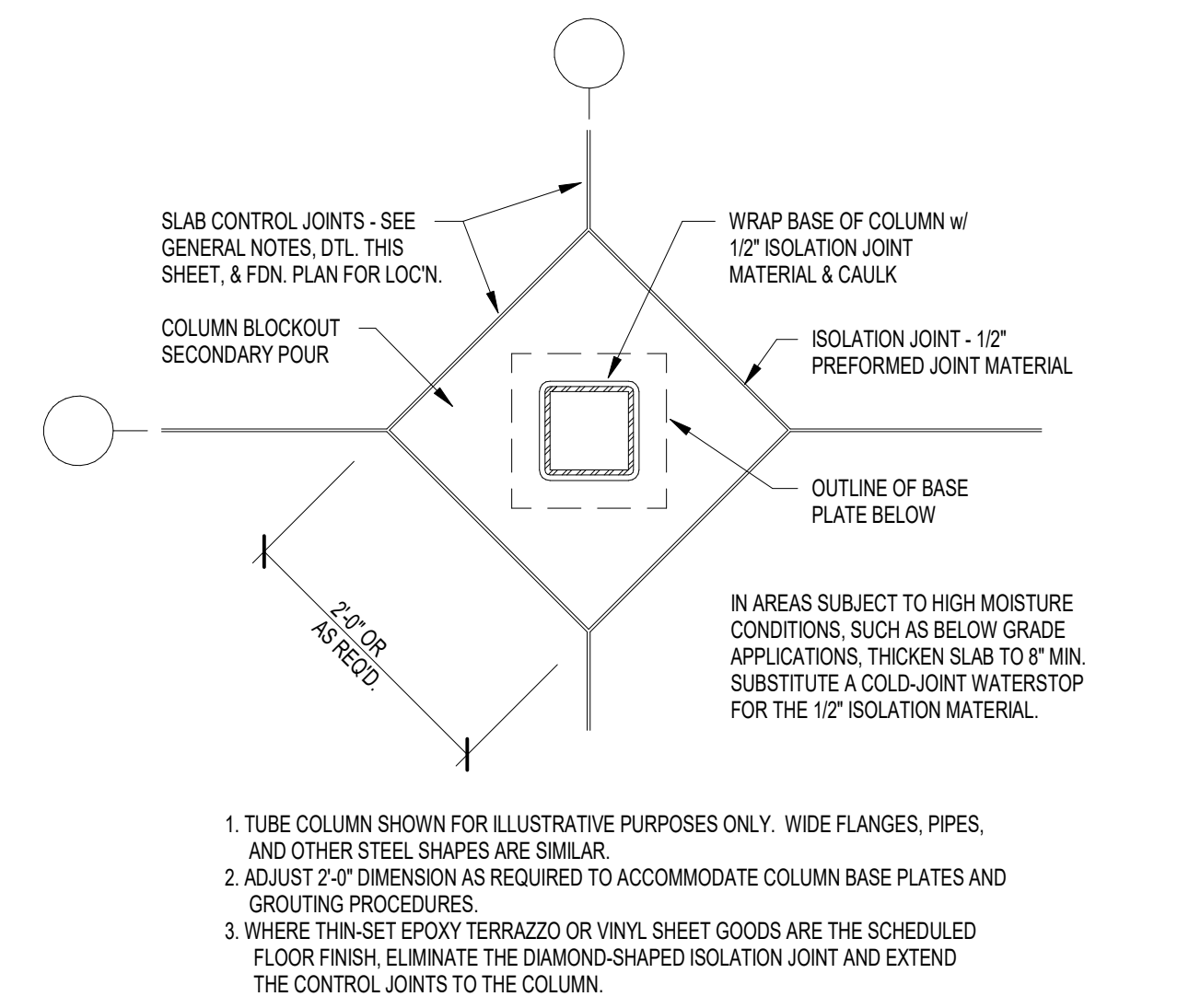
15 CIP WALL - RECTANGULAR OPENING DETAIL  
S401 SCALE: NONE



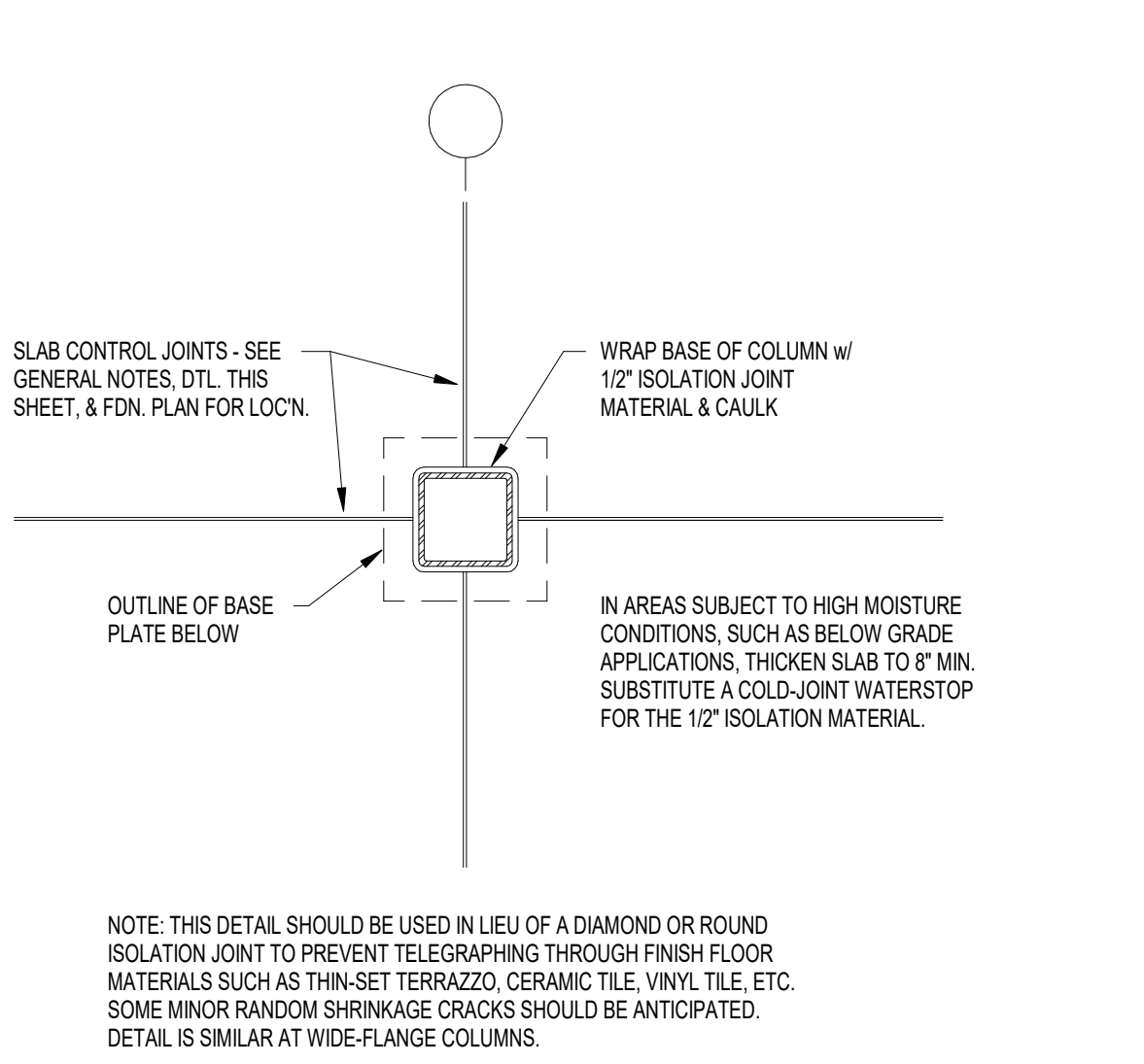
16 CIP WALL - ROUND OPENING DETAIL  
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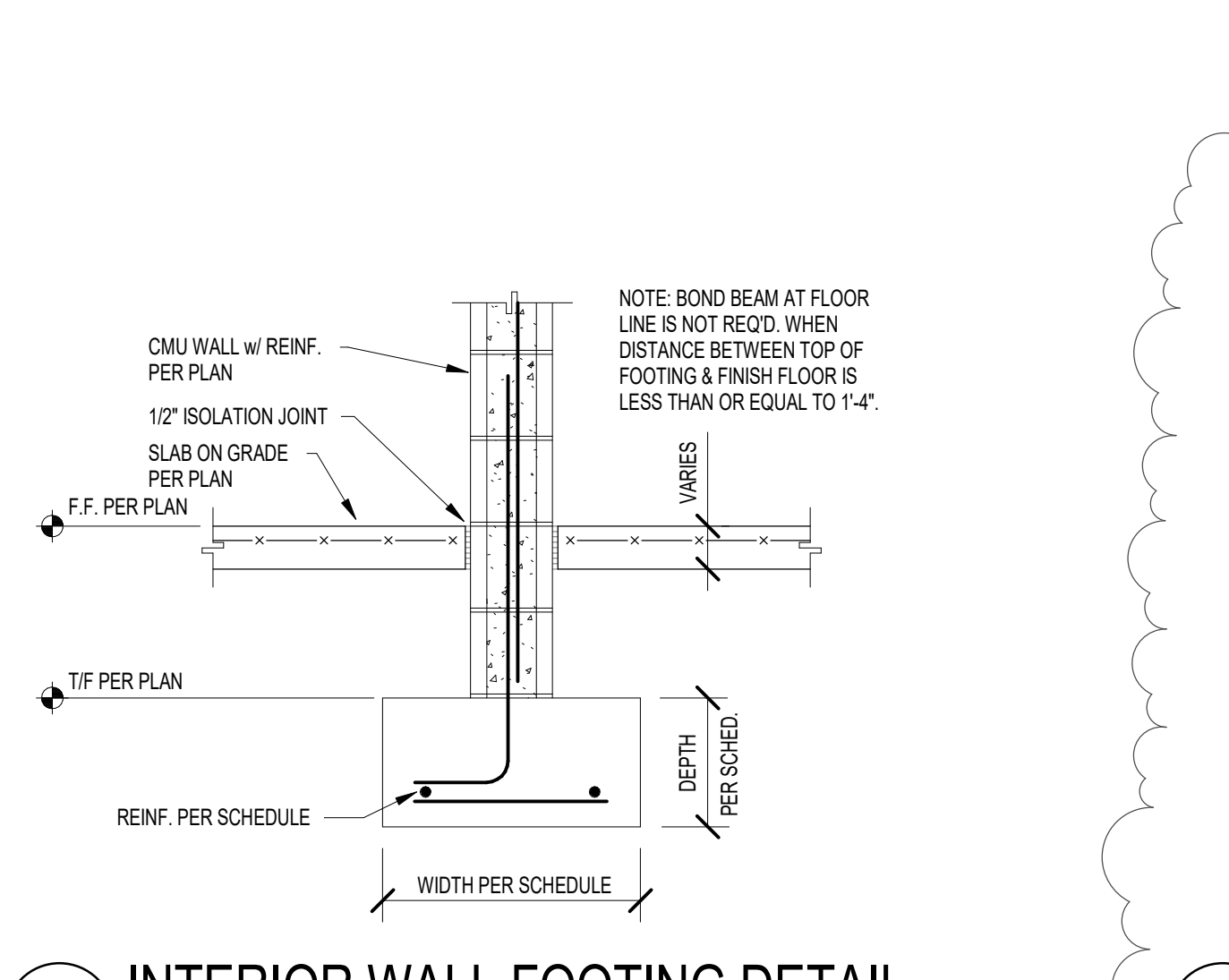
17 CIP WALL CORNER REINF. DETAIL  
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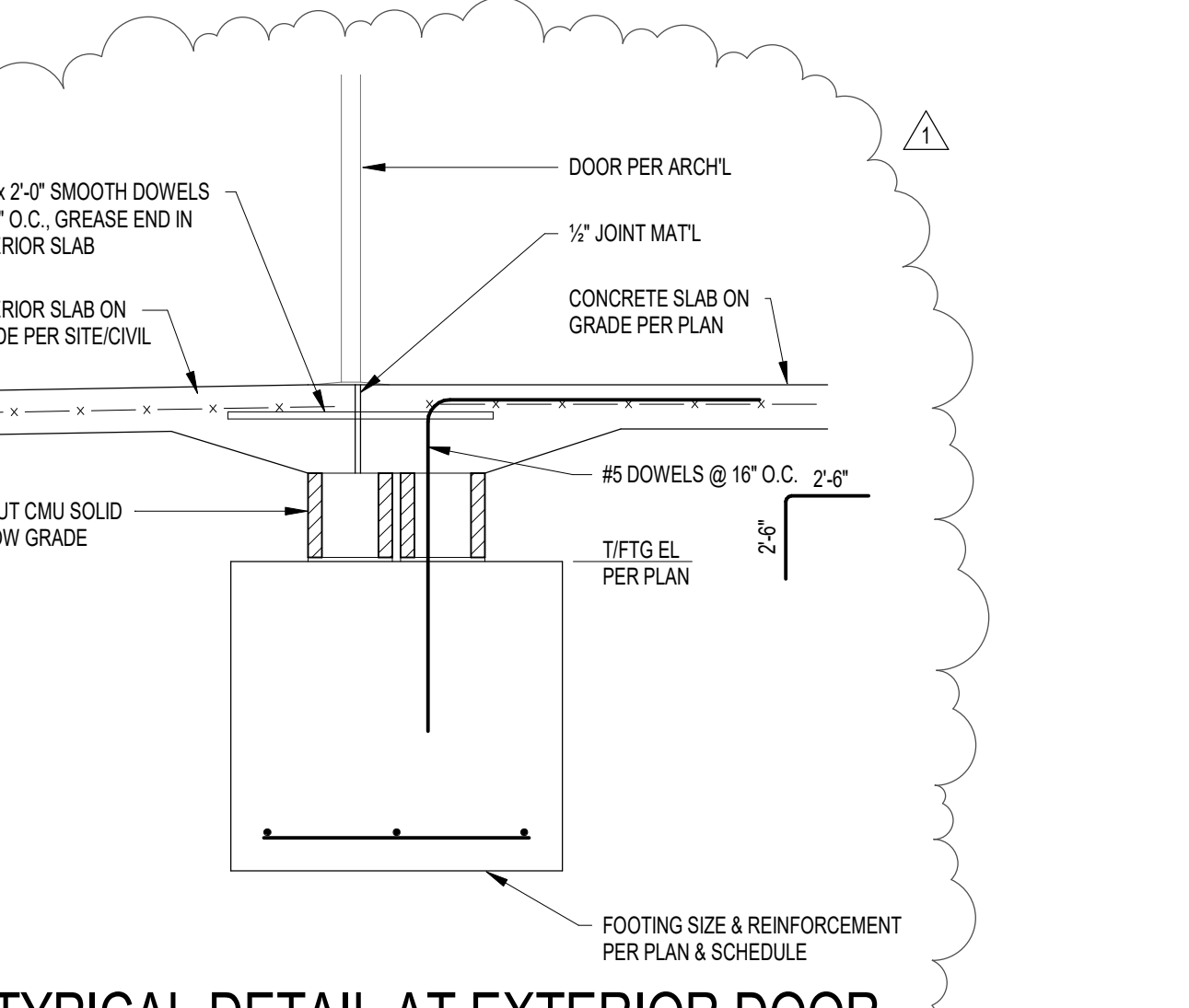
18 COLUMN ISOLATION JOINT DETAIL  
S401 SCALE: NONE



19 COLUMN ISOLATION JOINT DETAIL  
S401 SCALE: NONE



20 INTERIOR WALL FOOTING DETAIL  
S401 SCALE: NONE



21 TYPICAL DETAIL AT EXTERIOR DOOR  
S401 SCALE: 3/4\"/>

**Hamilton Heights School Corporation**

**CSO**

Lynch, Harrison & Brumleve, Inc.  
550 Virginia Avenue  
Indianapolis, IN 46203  
P 317.423.1550  
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STRUCTURAL ENGINEERS

PROJECT:  
**HAMILTON HEIGHTS SCHOOL CORPORATION  
SCHOOL HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS**  
25802 IN-19 Site 2, Arcadia, IN 46030

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REVISIONS:  
1 Addendum #2 02/27/24

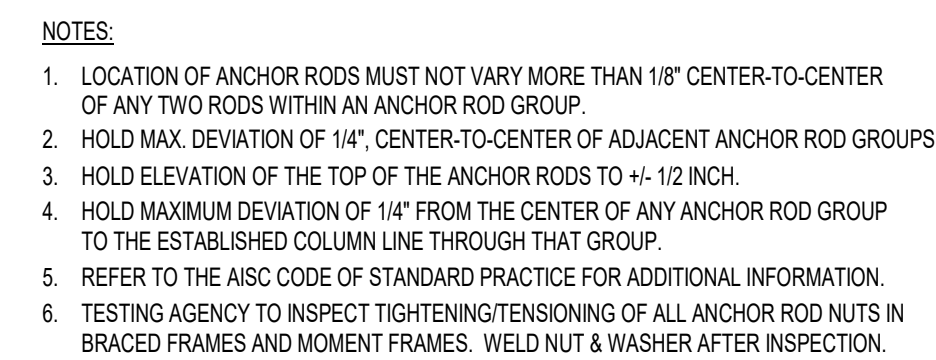
ISSUE DATE: 02/09/2024  
DRAWN BY: LHB  
CHECKED BY: MDL

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**TYPICAL DETAILS**

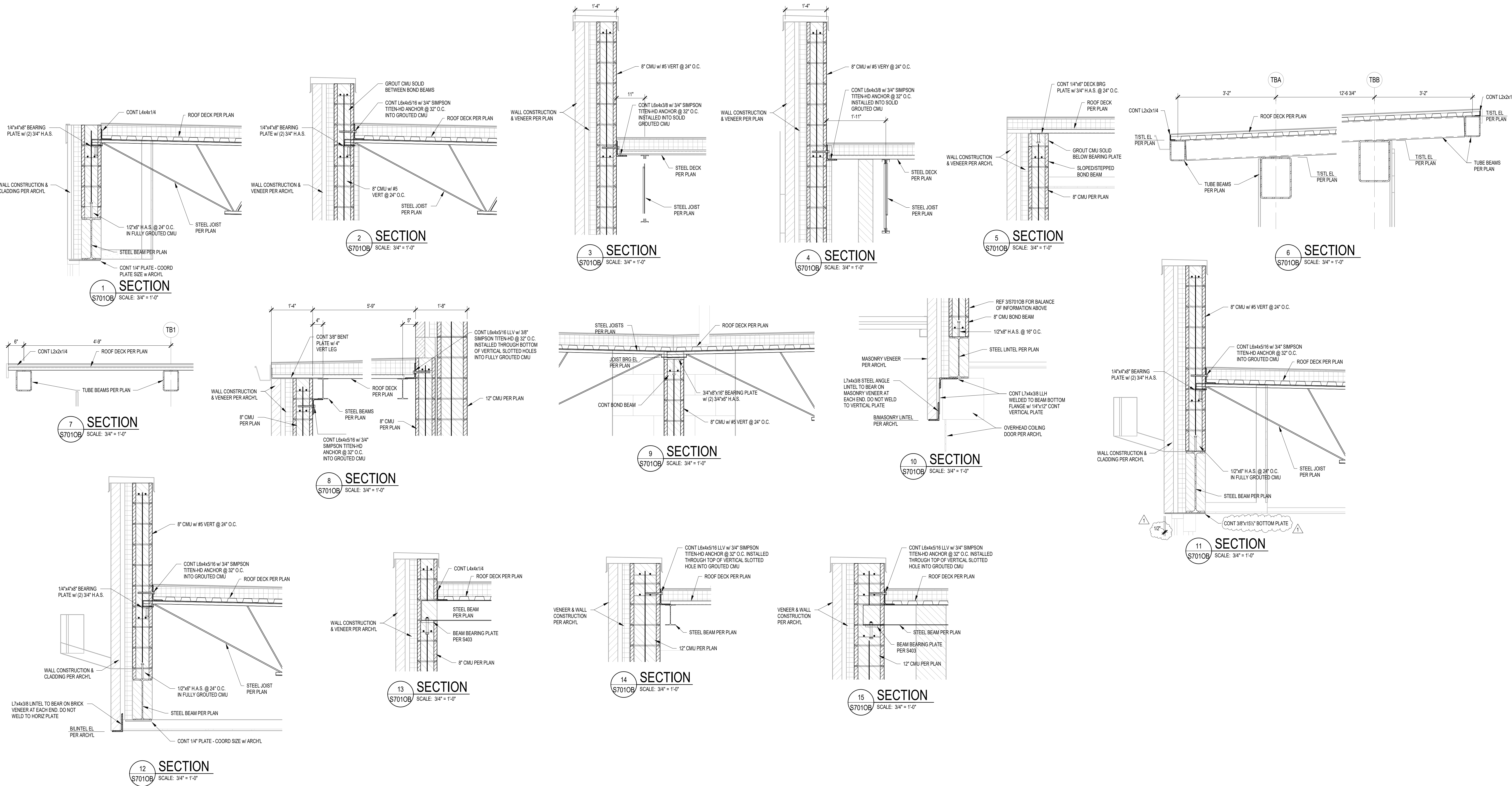
CERTIFIED BY:  
MARK D. LAYTON  
REGISTERED PROFESSIONAL ENGINEER  
PE19400114  
STATE OF INDIANA  
EXPIRATION DATE: 12/31/2026

DRAWING NUMBER:  
**S401**

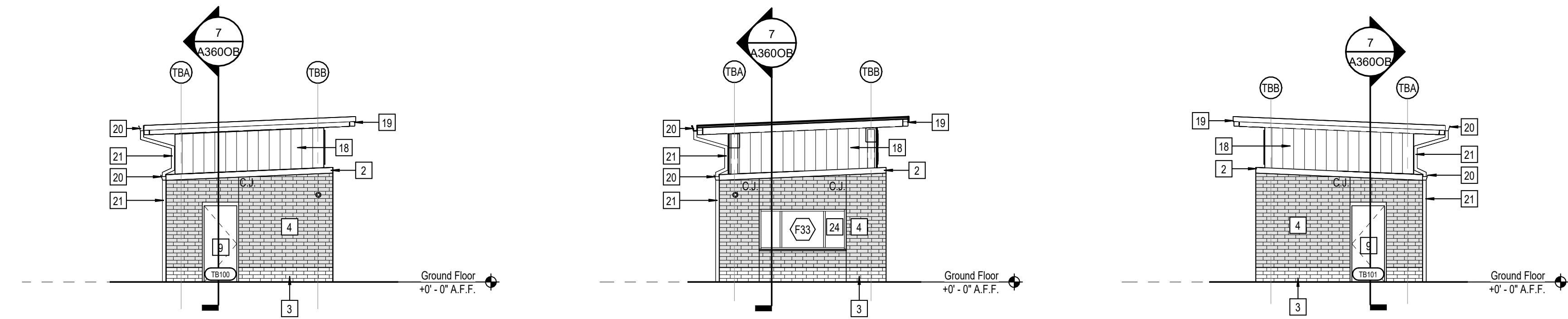
PROJECT NUMBER:  
**2023060**







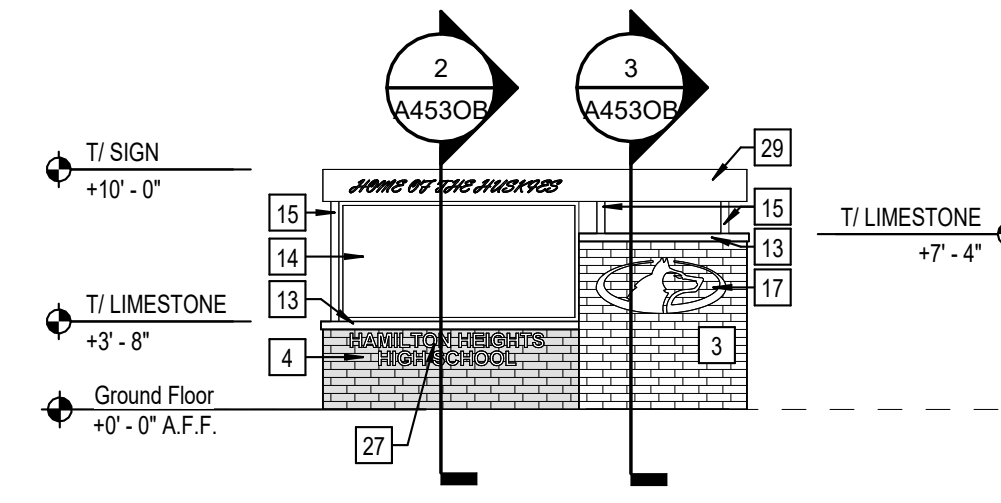




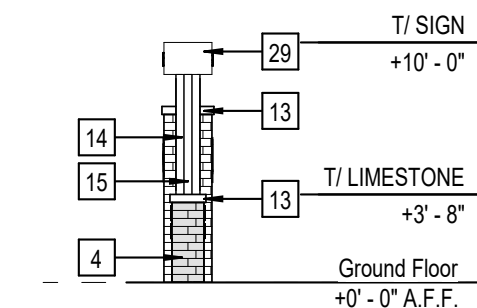
7 TICKET BOOTH - WEST ELEVATION  
A3500B SCALE: 1/8" = 1'-0"

8 TICKET BOOTH - EAST/WEST ELEVATION  
A3500B SCALE: 1/8" = 1'-0"

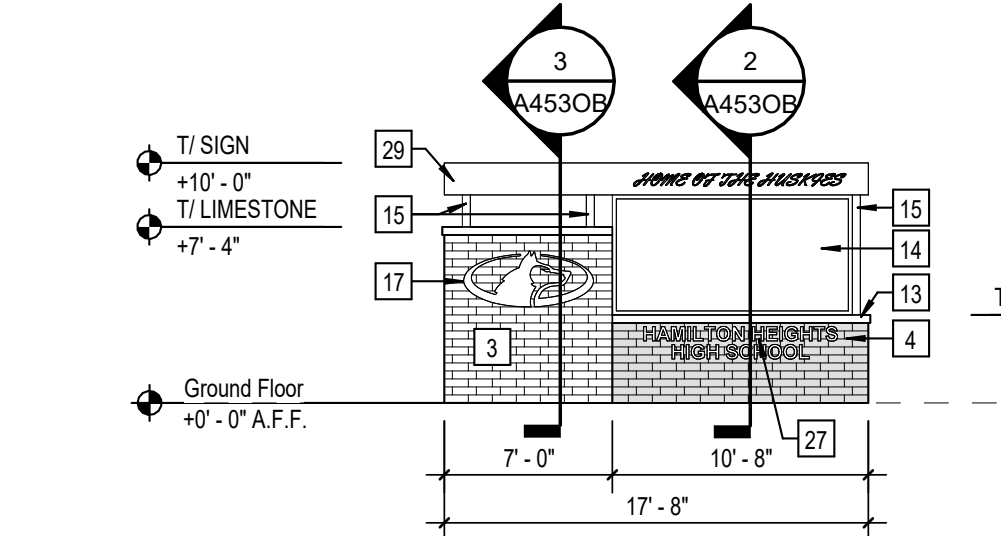
9 TICKET BOOTH - EAST ELEVATION  
A3500B SCALE: 1/8" = 1'-0"



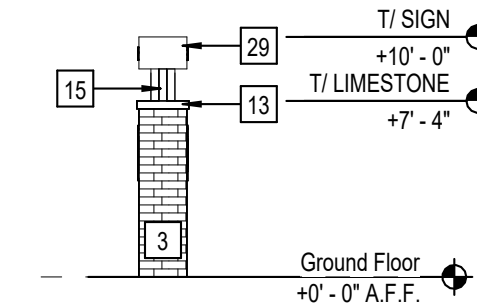
12 MONUMENT SIGN  
NORTH ELEVATION  
A3500B SCALE: 1/8" = 1'-0"



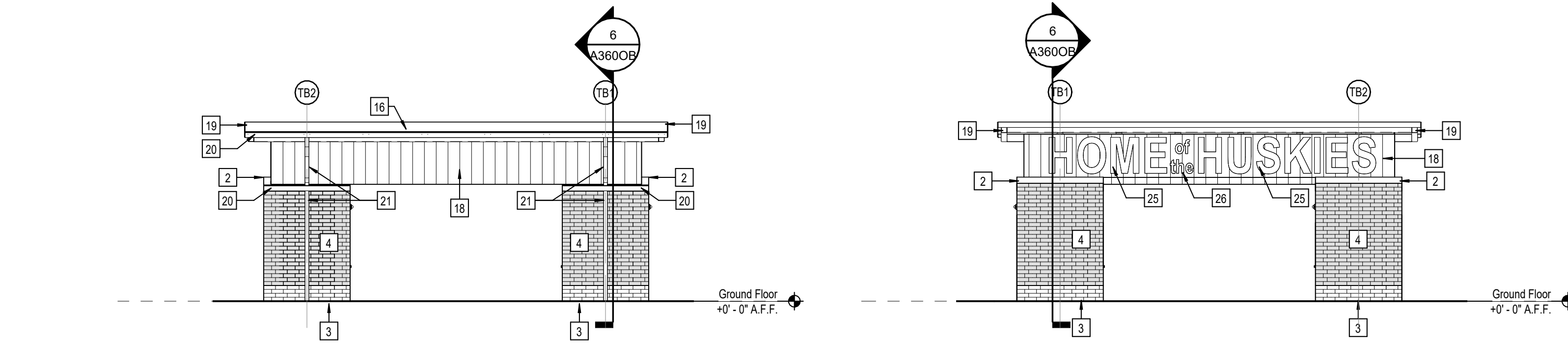
13 MONUMENT SIGN  
EAST ELEVATION  
A3500B SCALE: 1/8" = 1'-0"



10 MONUMENT SIGN  
SOUTH ELEVATION  
A3500B SCALE: 1/8" = 1'-0"

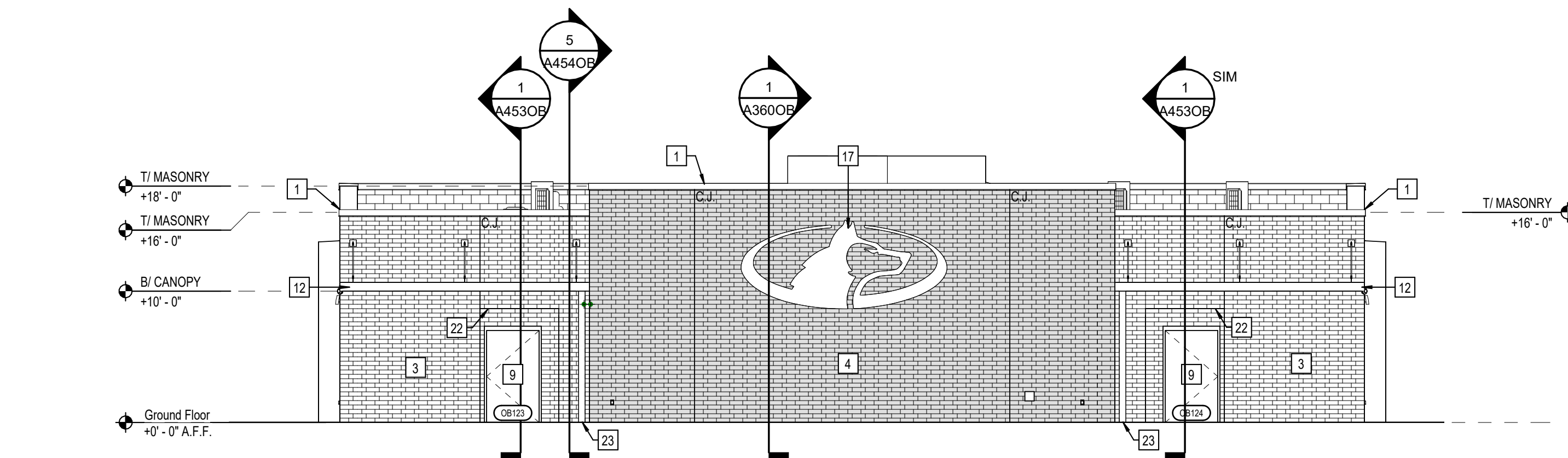


11 MONUMENT SIGN  
WEST ELEVATION  
A3500B SCALE: 1/8" = 1'-0"

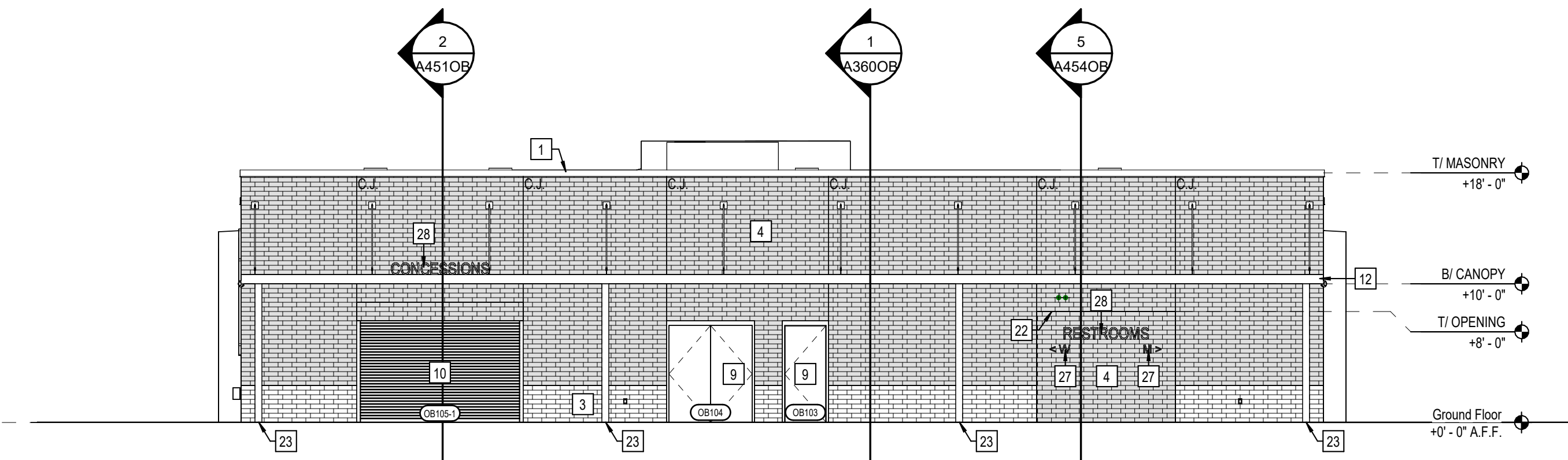


5 TICKET BOOTH - NORTH ELEVATION  
A3500B SCALE: 1/8" = 1'-0"

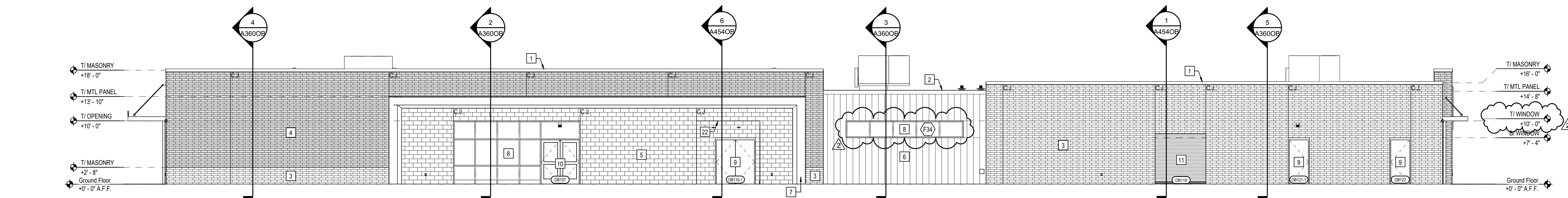
6 TICKET BOOTH - SOUTH ELEVATION  
A3500B SCALE: 1/8" = 1'-0"



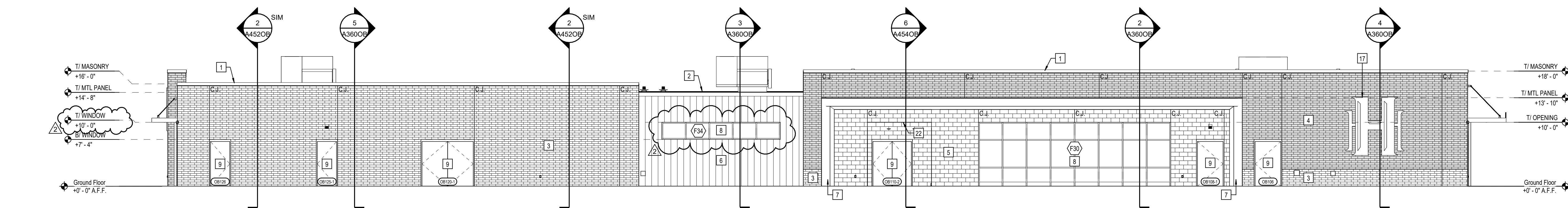
3 LOCKER ROOM BUILDING - SOUTH ELEVATION  
A3500B SCALE: 1/8" = 1'-0"



4 LOCKER ROOM BUILDING - NORTH ELEVATION  
A3500B SCALE: 1/8" = 1'-0"



2 LOCKER ROOM BUILDING - WEST ELEVATION  
A3500B SCALE: 1/8" = 1'-0"



1 LOCKER ROOM BUILDING - EAST ELEVATION  
A3500B SCALE: 1/8" = 1'-0"

## ELEVATION NOTES

- 1 PRE-FINISHED, PRE-MANUFACTURED ALUMINUM COPING SYSTEM. (07 71 00)
- 2 PRE-FINISHED, PRE-MANUFACTURED ALUMINUM DRIP EDGE. (07 71 00)
- 3 BRICK VENEER TYPE 1, COLOR 1- UTILITY 1/3 RUNNING BOND. (04 20 00)
- 4 BRICK VENEER TYPE 2, COLOR 2- UTILITY 1/3 RUNNING BOND. (04 20 00)
- 5 DECORATIVE CMU. (04 20 00)
- 6 CONCEALED FASTENER FORMED METAL WALL PANEL - VERTICAL. (07 42 13)
- 7 ALUMINUM COMPOSITE METAL PANEL SYSTEM. (07 42 43)
- 8 2 x 4 1/2" ALUMINUM STOREFRONT ASSEMBLY WITH 1" INSULATED GLAZING. (08 41 13)
- 9 HOLLOW METAL DOOR AND FRAME - SEE SCHEDULE. (08 41 13)
- 10 WIDE STILE ALUMINUM ENTRY DOOR. (08 41 00)
- 11 OVERHEAD COILING DOOR - SEE SCHEDULE. (08 33 23)
- 12 WALL SUPPORTED ALUMINUM CANOPY SYSTEM. (10 53 20)
- 13 DIMENSIONED LIMESTONE. (04 20 00)
- 14 5' x 10' DOUBLE SIDED DIGITAL SIGN.
- 15 PAINTED TUBE STEEL. (05 50 00)
- 16 STANDING SEAM METAL ROOF. (07 41 13)
- 17 SIGN INCLUDED IN SIGNAGE PACKAGE.
- 18 PERFORATED METAL PANEL. (07 42 13)
- 19 PRE-FINISHED, PRE-MANUFACTURED ALUMINUM FASCIA. (07 71 00)
- 20 PRE-FINISHED, PRE-MANUFACTURED ALUMINUM GUTTER. (07 71 00)
- 21 PRE-FINISHED, PRE-MANUFACTURED ALUMINUM DOWNSPOUT. (07 71 00)
- 22 DAPS SOFFIT. (07 34 15)
- 23 WALL SUPPORTED ALUMINUM CANOPY SYSTEM DOWNSPOUT (10 53 20) - INTO BOOT - SEE CIVIL.
- 24 TRANSACTION WINDOW. (08 41 13)
- 25 30" EXTERIOR SIGNAGE - ALUM. CUTOUT LETTERS ON STANDOFFS. (10 14 19)
- 26 14" EXTERIOR SIGNAGE - ALUM. CUTOUT LETTERS ON STANDOFFS. (10 14 19)
- 27 6" EXTERIOR SIGNAGE - ALUM. CUTOUT LETTERS ON STANDOFFS. (10 14 19)
- 28 10" EXTERIOR SIGNAGE - ALUM. CUTOUT LETTERS ON STANDOFFS. (10 14 19)
- 29 BACK-LIT SIGNAGE PANEL BY DIGITAL SIGNAGE MANUFACTURER.



Hamilton Heights  
School Corporation

CSO  
8831 Keystone Crossing, Indianapolis, IN 46240  
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PROJECT:  
HAMILTON HEIGHTS  
SCHOOL CORPORATION  
HAMILTON HEIGHTS HIGH SCHOOL  
PHASE 2 PROJECTS  
25802 N-19 Site 2, Arcadia, IN 46030

SCOPE DRAWINGS:  
These drawings indicate the general scope of the project in terms of architectural design concepts, the delineation of structural, mechanical and electrical systems.  
The drawings do not necessarily indicate or describe all work required for full performance and completion of the project.  
On the basis of the general scope indicated on these drawings, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:  
2 ADDENDUM #2 02-27-2024

ISSUE DATE DRAWN BY CHECKED BY  
02/09/2024 ZER BCH

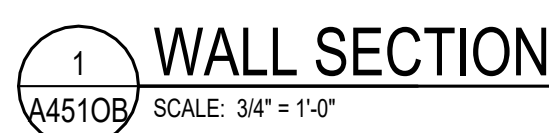
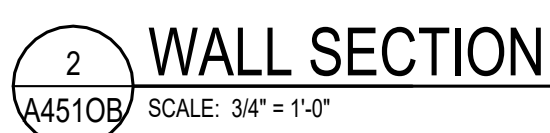
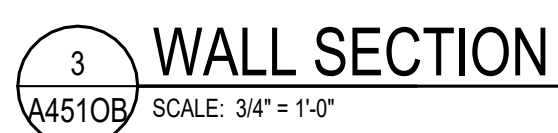
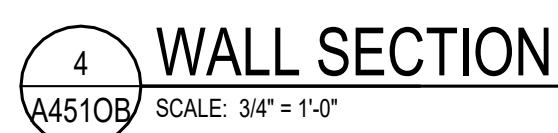
DRAWING TITLE:  
OUTBUILDINGS  
EXTERIOR  
ELEVATIONS

CERTIFIED BY:  
BRENDA C. HITCHCOCK  
REGISTERED  
No. AR11700184  
STATE OF INDIANA  
ARCHITECT  
BCH

DRAWING NUMBER  
A3500B

PROJECT NUMBER  
2023060





03.30.00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL. SEE STRUCTURAL.
03.30.00-B	CONCRETE FOUNDATION. SEE STRUCTURAL.
03.30.00-D	CONCRETE FOOTING. SEE STRUCTURAL.
03.30.00-E	1/2" EXPANSION MATERIAL.
04.20.00-A	GROUT CORE SOLID.
04.20.00-B	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY.
04.20.00-C	DRIVEHOLE WALL FLASHING W/ STAINLESS STEEL DRIP EDGE.
04.20.00-E	WEEP HOLES AT 16" O.C.
04.20.00-F	VENTS AT 4'-0" O.C.
04.20.00-G	CAVITY DRAINAGE MATERIAL.
04.20.00-H	BRICK - UTILITY. (SEE ELEVATIONS FOR COLOR).
04.20.00-I	BRICK - UTILITY SLIDING COURSEING (SEE ELEVATIONS FOR COLOR).
04.20.00-J	BOND BEAM MASONRY UNIT.
04.20.00-L	CONCRETE MASONRY UNIT - (SEE DETAILS FOR SIZE).
04.20.00-M	DECORATIVE CONCRETE MASONRY UNIT - (SEE DETAILS FOR SIZE).
05.12.00-A	DIMINISHED LISTER. (SEE DETAILS FOR SIZE).
05.12.00-B	STRUCTURAL STEEL FRAMING MEMBER. SEE STRUCTURAL.
05.12.00-C	STEEL ANGLE. SEE STRUCTURAL.
05.12.00-D	STEEL PLATE. SEE STRUCTURAL.
05.12.00-E	METAL ROD. SEE STRUCTURAL.
06.40.00-D	3.5# GALVANIZED STEEL STUD (16 GA. MIN.)
06.40.00-E	6 GALVANIZED STEEL STUD (16 GA. MIN.)
06.50.00-A	PRE-MANUFACTURED ALUMINUM SHIPS LADDER
06.50.00-B	2X WOOD BLOCK. SEE STRUCTURAL.
06.16.00-A	3/4" EXTERIOR GRADE PLYWOOD
06.16.00-B	5/8" EXTERIOR GRADE PLYWOOD
07.13.26-A	SELF-ADHERING SHEET WATERPROOFING
07.13.26-B	MOLDGUT SHEET
07.21.00-A	SUBS. FINISH. CONCRETE INSULATION R-15 FOR 24" HORIZONTAL R-10 TO TOP OF FOOTING OR 48" MAX VERTICAL.
07.21.00-B	1" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-18.8).
07.21.00-C	TEMPORALLY BROKEN 2 CLIPS @ 16" O.C. COORDINATE DIRECTLY WITH METAL WALL FABRICATOR.
07.21.00-D	2" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-11.2).
07.24.15-A	DIRECT APPLIED FINISHED SYSTEM (DAPS)-UNINSULATED SYSTEM OVER 5" EXTERIOR COURSE.
07.25.00-A	WEATHER RESISTIVE BARRIERS- BUILDING WRAP
07.27.26-A	FLUID APPLIED MEMBRANE AIR BARRIER
07.41.13-B	STANDING SEAM METAL ROOF.
07.41.13-C	HIGH TEMPERATURE SELF-ADHERING SHEET UNDERLAYMENT
07.42.12-A	PRE-FINISHED EXPANDED FASTER METAL WALL PANEL.
07.42.13-B	PRE-FINISHED EXPANDED FASTER METAL WALL PANEL.
07.42.13-C	BRAKE METAL FLASHING- COLOR TO MATCH METAL PANEL.
07.42.13-D	BRAKE METAL TRIM- COLOR TO MATCH METAL PANEL.
07.42.13-E	METAL CHALK (16" MIN. WIDE) - (SEE SECTIONS FOR DEPTH).
07.42.14-A	COMPOSITE METAL WALL PANEL.
07.54.23-A	TERMOPLASTIC INSULATION ROOFING SYSTEM (SEE ALTERNATES).
07.54.23-B	COVER BOARD
07.54.23-C	TAPERED ROOF INSULATION ROOFING SYSTEM
07.54.24-F	2 LAYERS OF 2" POLYISO INSULATION BOARD (R-26)
07.54.24-H	INSULATION BOARD- EXTEND OVER AND ATTACH TO FRONT FACE OF

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**SCOPE DRAWINGS:**  
 These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.  
 The drawings do not necessarily indicate or describe work required for full performance and completion of the requirements of the Contract.  
 On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

DRAWING TITLE:  
OUTBUILDINGS  
WALL SECTIONS  
& DETAILS

DRAWING NUMBER  
**A4510B**

PROJECT NUMBER  
2023060





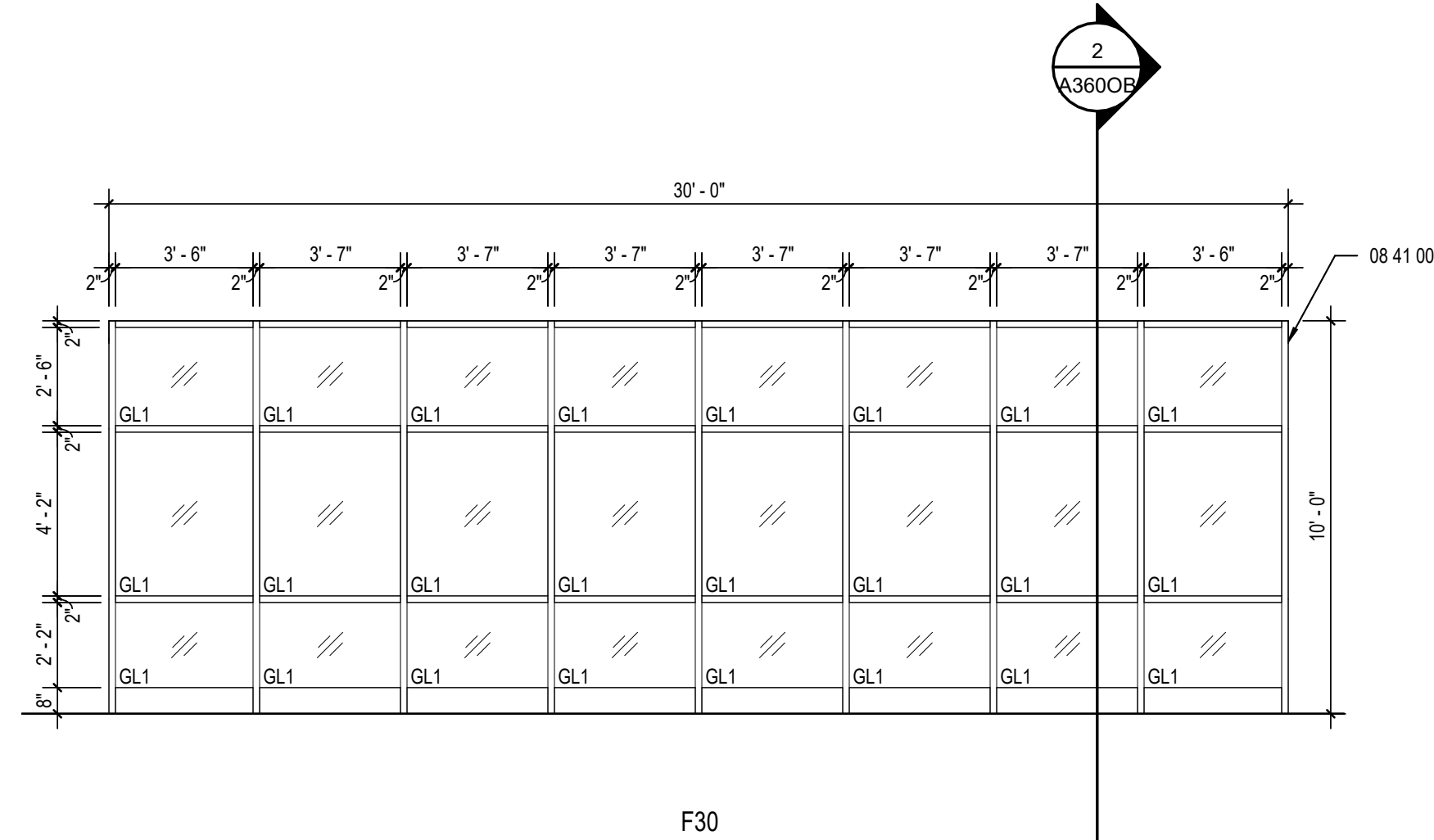


DOOR AND FRAME SCHEDULE																				
DOOR MARK	SIZE			FRAME																
	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	ELEVATION	GLASS	MATERIAL	FINISH	ELEVATION	GLASS	DETAIL			UL RATING	STC RATING				REMARKS
												HEAD	JAMB	SILL						
EL-2	SGL	3'-4"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
EL-3	SGL	4'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB101	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB101A	SGL	2'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB102	SGL	3'-4"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB103	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB104	PAIR	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F4	-	H30	J30	S30	-	-	-	-	-
OB105-1	CCD	12'-0"	7'-0"	1"	GSTL	PC	D4 SIM	-	GSTL	PC	-	5/A4700B	98/10/A700B	4/A4700B	-	-	-	-	-	1
OB105-2	SGL	3'-4"	7'-0"	1 3/4"	WD	ST	D2	GL2	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB106	SGL	4'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB107	PAIR	3'-0"	7'-0"	1 3/4"	AL	AN	D6	GL1	AL	AN	F31	GL1	H32	J32	5/A4510B	-	-	-	-	-
OB107A	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB107C	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB108-1	SGL	4'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB108-2	SGL	3'-4"	7'-0"	1 3/4"	WD	ST	D2	GL2	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB108A	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB108B	PAIR	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F4	-	H31	J31	-	-	-	-	-	-
OB109	PAIR	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F4	-	H31	J31	-	-	-	-	-	-
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OB111	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
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OB115A	CCD	6'-0"	8'-8"	1"	GSTL	PC	D4	-	GSTL	PC	F32	-	4/A4540B	J33	-	-	-	-	-	3
OB116	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D3	GL2	HM	PT	F2	GL2	H31	J31	-	-	-	-	-	-
OB116A	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB117	SGL	4'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB118-1	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D3	GL2	HM	PT	F32	GL2	H31	J31	-	-	-	-	-	-
OB118-2	PAIR	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F4	-	H31	J31	-	-	-	-	-	-
OB118A	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB119	CCD	8'-0"	8'-0"	7/8"	GSTL	PC	D4	-	GSTL	PC	-	-	3/A4540B	J34	3/A411	-	-	-	-	2
OB120-1	PAIR	4'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F4	-	H30	J30	S30	-	-	-	-	-
OB120-2	SGL	4'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H31	J31	-	90M	-	-	-	-
OB121-1	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB121-2	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB121A	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
OB122	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB123	SGL	4'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB123A	CCD	6'-0"	8'-8"	1"	GSTL	PC	D4	-	GSTL	PC	F32	-	4/A4540B	J33	-	-	-	-	-	3
OB124	SGL	4'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB125-1	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
OB125-2	SGL	3'-0"	7'-0"	1 3/4"	WD	ST	D1	-	HM	PT	F2	-	H31	J31	-	-	-	-	-	-
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OB126	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
TB100	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-
TB101	SGL	3'-0"	7'-0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H30	J30	S30	-	-	-	-	-

SEE SHEET A501 FOR  
DOOR ELEVATIONS

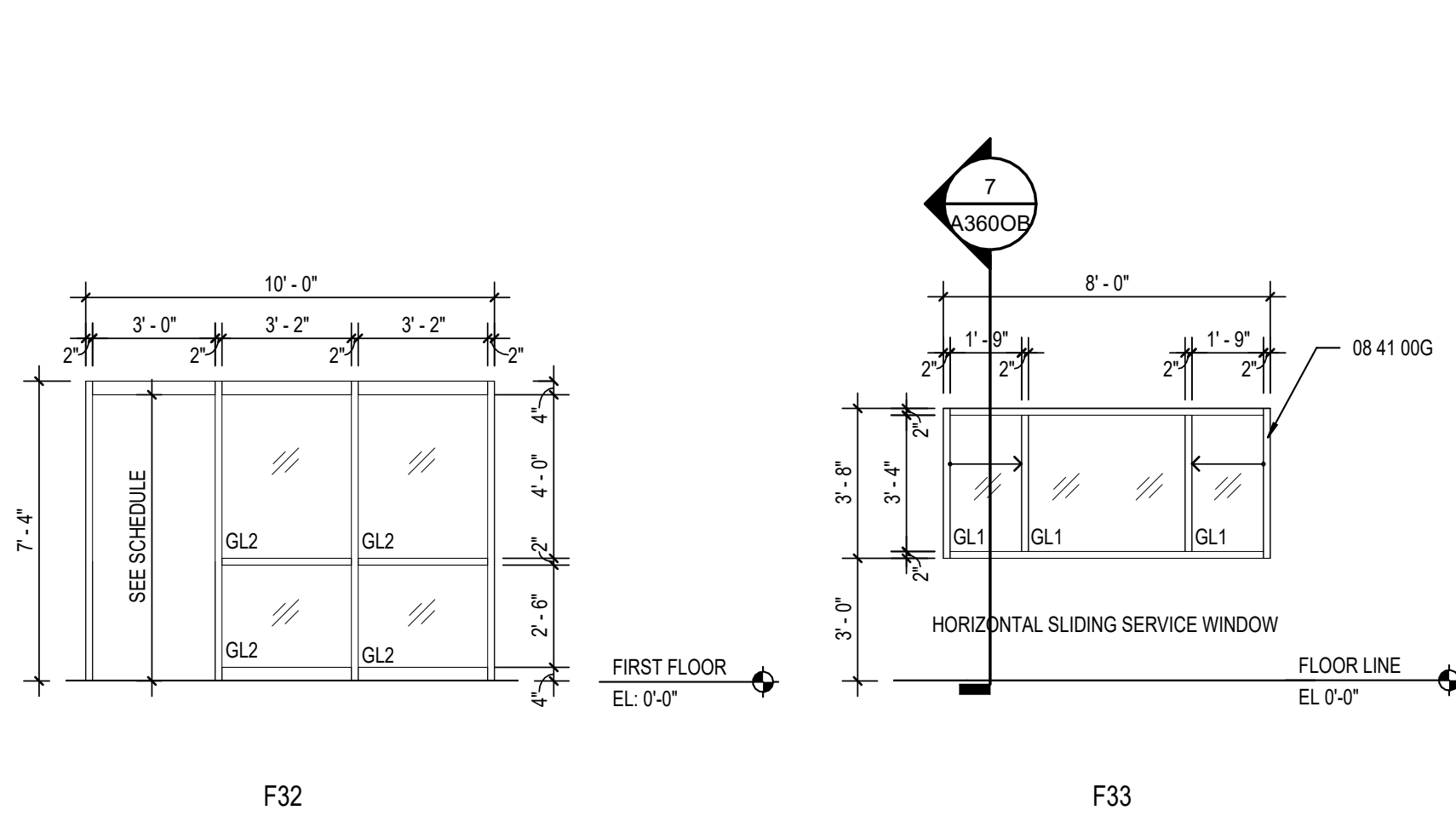
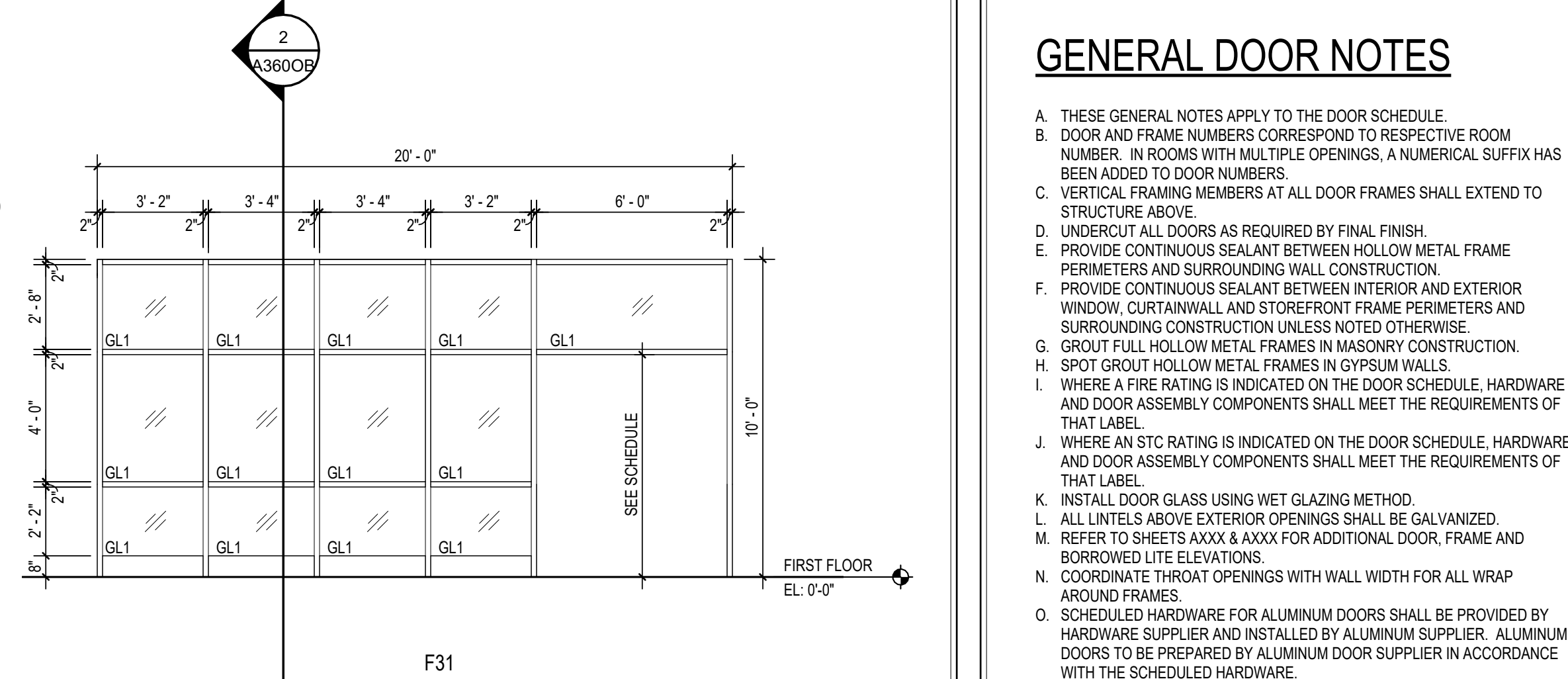
### DOOR ELEVATIONS

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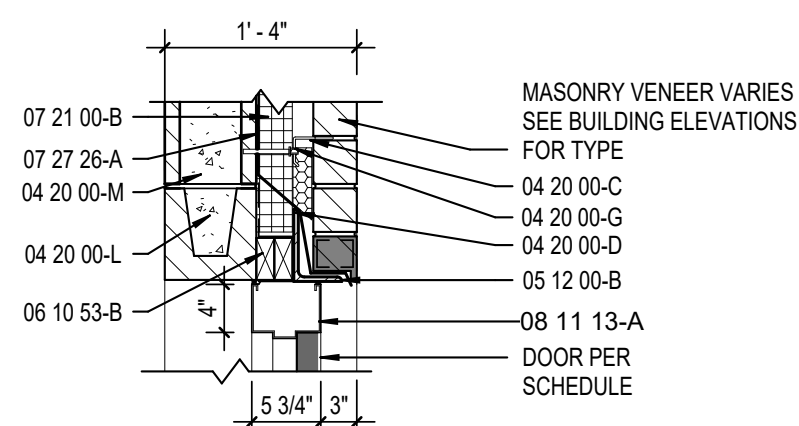
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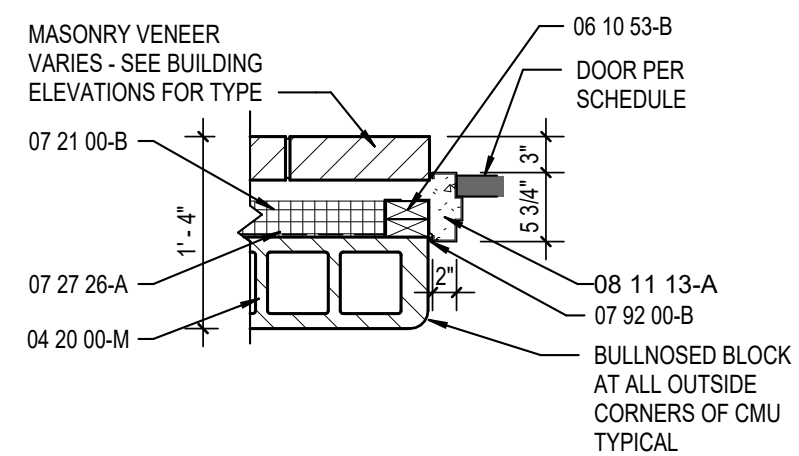
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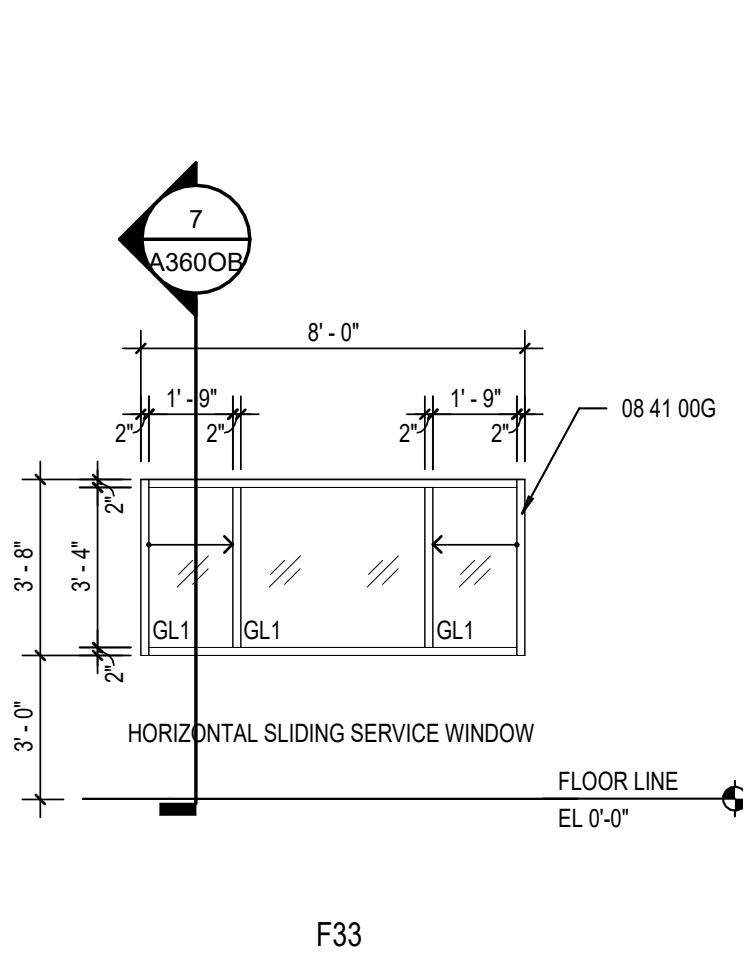
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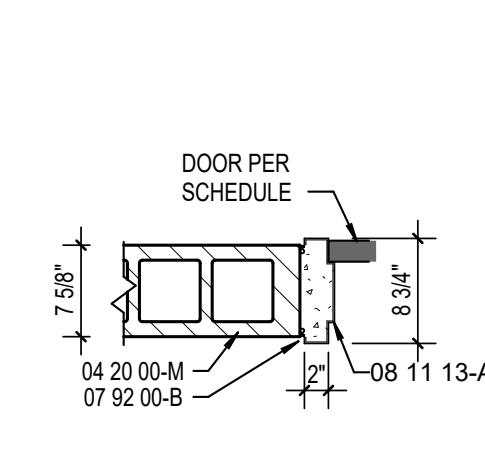
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SCALE: 3/4" = 1'-0"



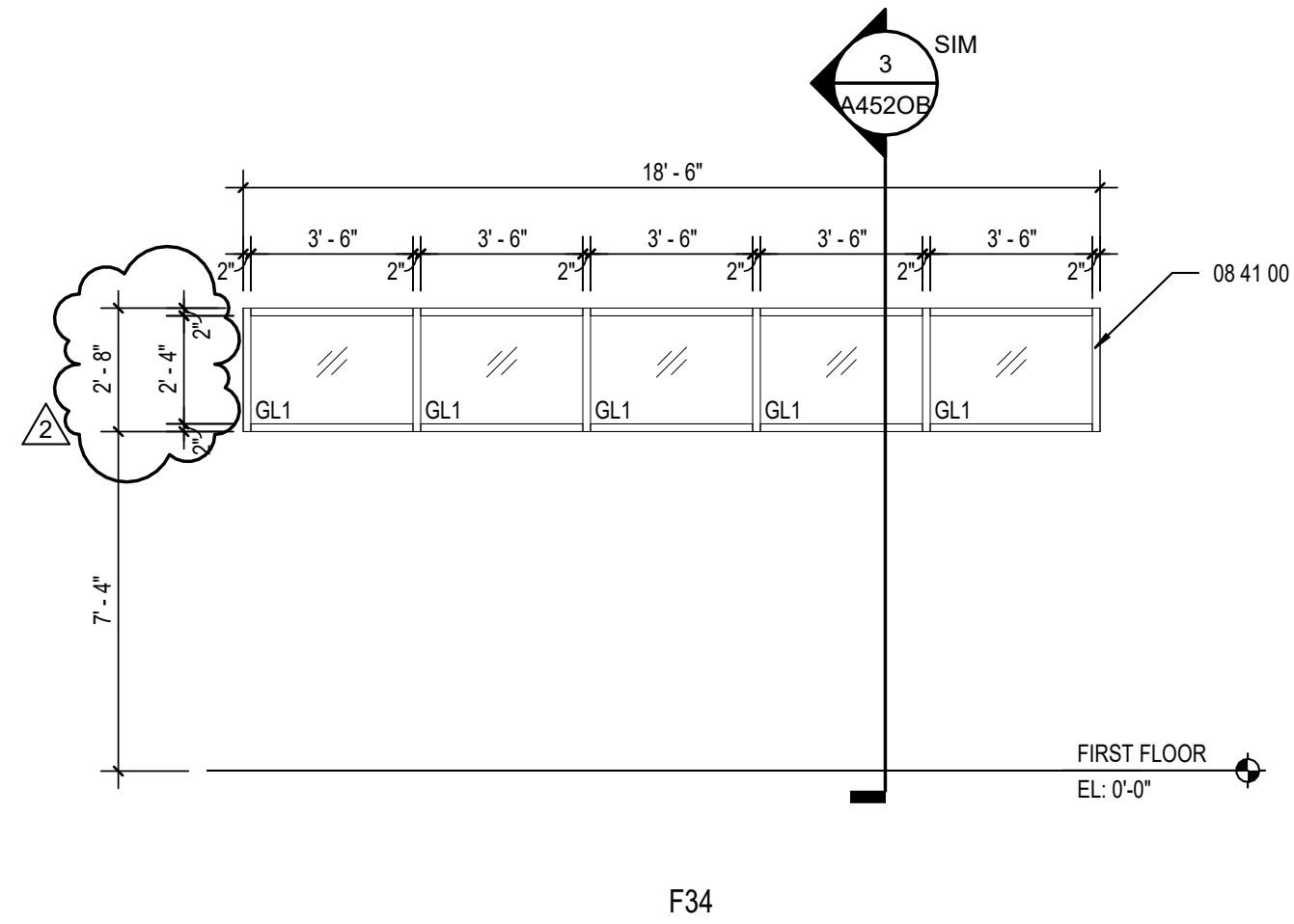
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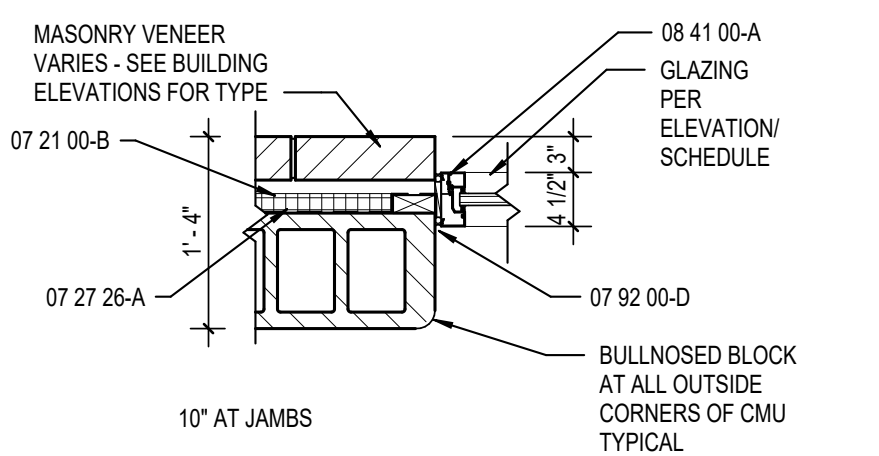
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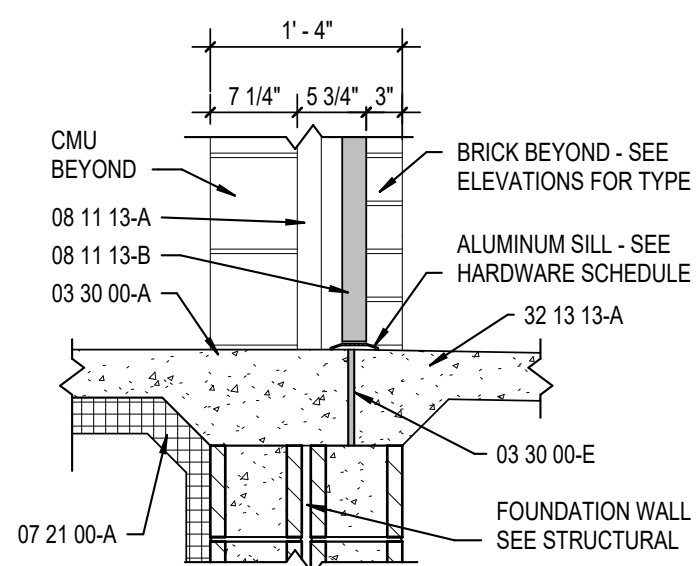
### HEAD DETAIL H32

SCALE: 3/4" = 1'-0"



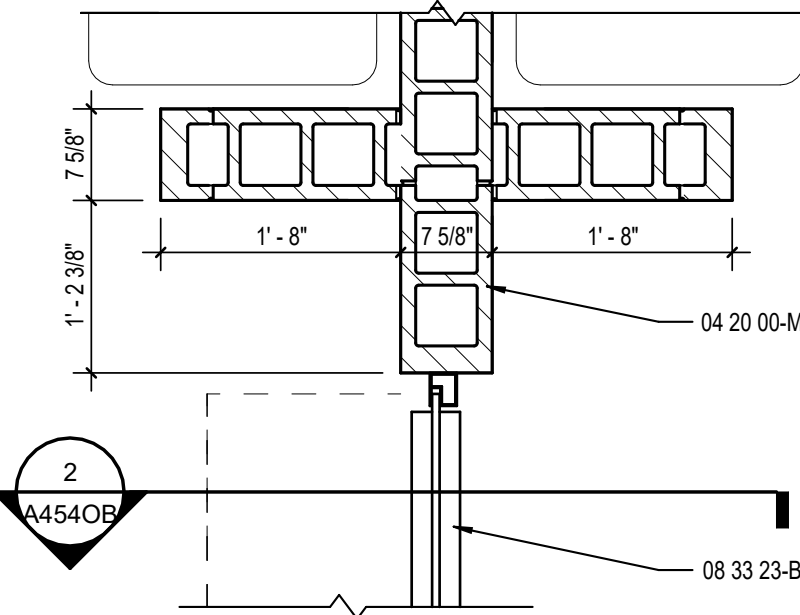
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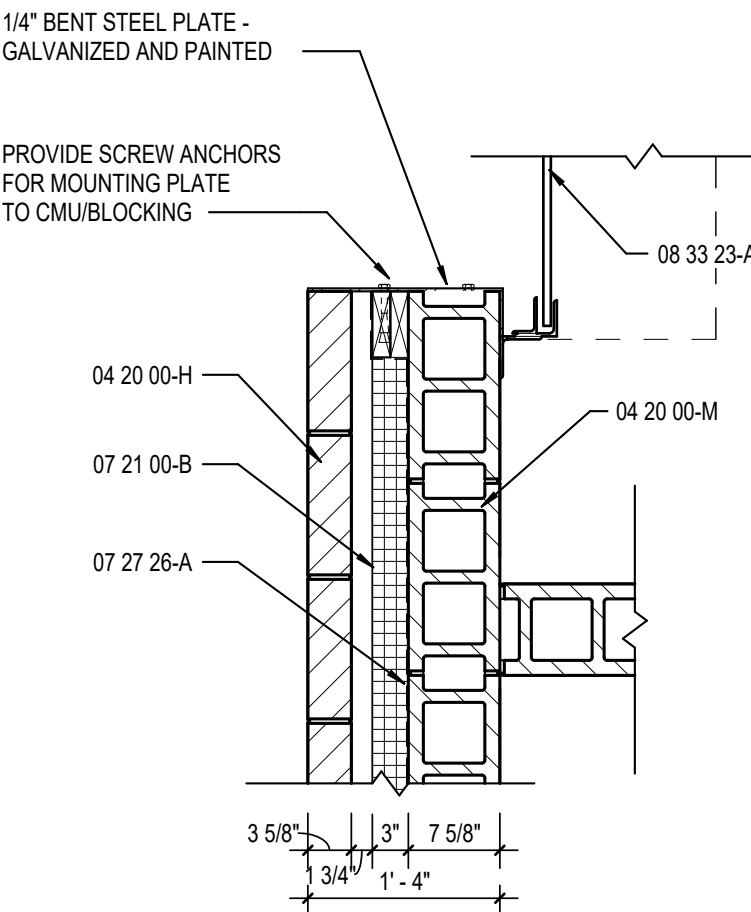
### SILL DETAIL S30

SCALE: 3/4" = 1'-0"



### JAMB DETAIL J33

SCALE: 3/4" = 1'-0"



### JAMB DETAIL J34

SCALE: 3/4" = 1'-0"

### GLASS SCHEDULE

GL1 1" THICK TEMPERED, LOW E, INSULATING GLAZING WITH 2 PANES 1/4" GLASS  
AND 1/2" AIRSPACE.  
GL2 1/4" CLEAR TEMPERED GLASS  
GL3 1/4" LAMINATED CLEAR GLASS

### ABBREVIATIONS LEGEND

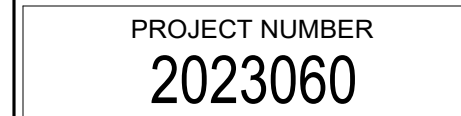
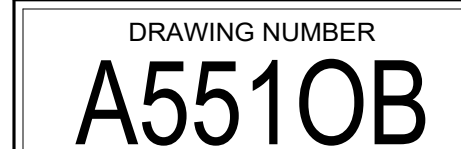
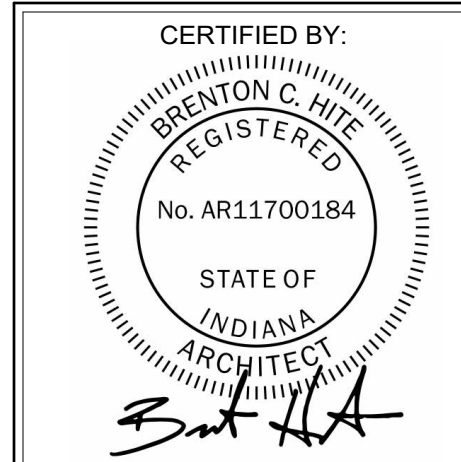
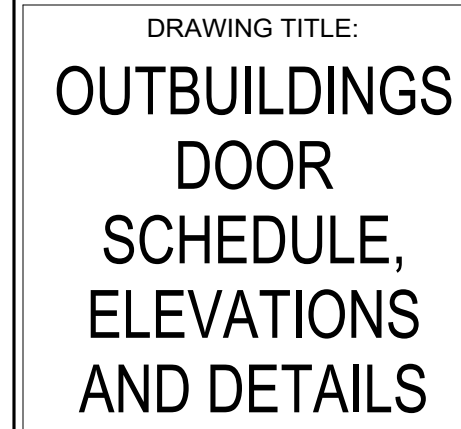
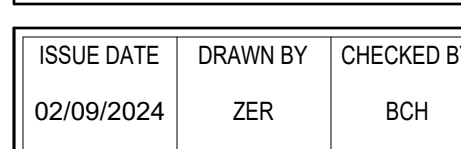
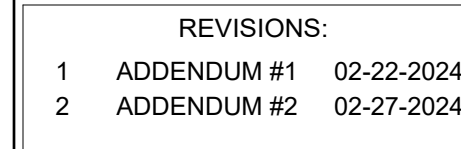
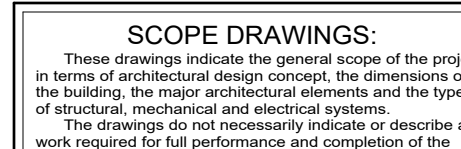
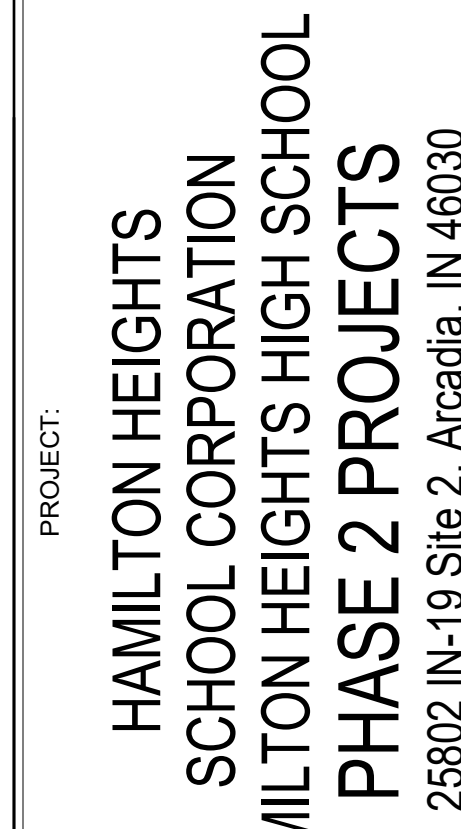
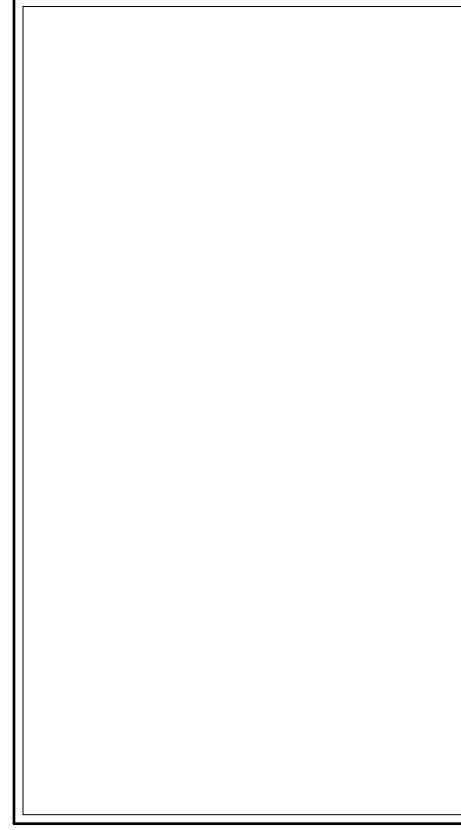
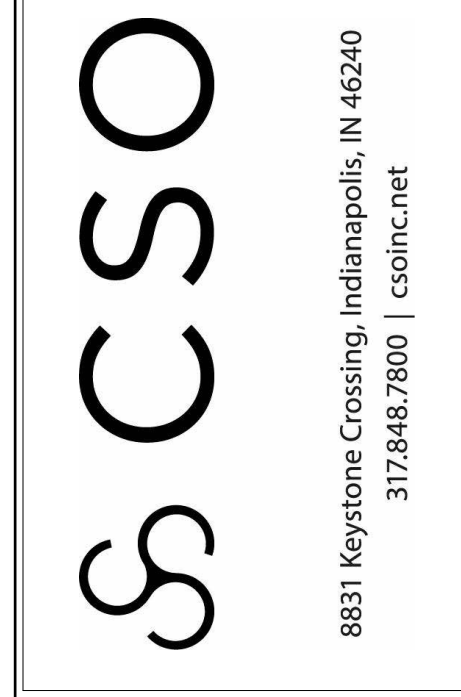
AL = ALUMINUM  
AN = ANODIZED  
BL = BORROWED LITE  
CCD = COILING COUNTER DOOR  
GHM = GALVANNEALED HOLLOW METAL  
GL = GLASS  
GSTL = GALVANIZED STEEL  
HM = HOLLOW METAL  
OCD = OVERHEAD COILING DOOR  
PC = POWDER COAT  
PT = PAINT  
ST = STAIN  
SS = STAINLESS STEEL  
STL = STEEL  
WD = WOOD  
60M = 60 MINUTE DOOR AND FRAME ASSEMBLY RATING  
90M = 90 MINUTE DOOR AND FRAME ASSEMBLY RATING  
SEE REMARKS COLUMN FOR NOTES

### GENERAL DOOR NOTES

- THESE GENERAL NOTES APPLY TO THE DOOR SCHEDULE.
- DOOR AND FRAME NUMBERS CORRESPOND TO RESPECTIVE ROOM NUMBER. IN ROOMS WITH MULTIPLE OPENINGS, A NUMERICAL SUFFIX HAS BEEN ADDED TO DOOR NUMBERS.
- VERTICAL FRAMING MEMBERS AT ALL DOOR FRAMES SHALL EXTEND TO STRUCTURE ABOVE.
- UNDERCUT ALL DOORS AS REQUIRED BY FINAL FINISH.
- PROVIDE CONTINUOUS SEALANT BETWEEN HOLLOW METAL FRAME PERIMETERS AND SURROUNDING WALL CONSTRUCTION.
- PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR AND EXTERIOR WINDOW, CURTAINWALL AND STOREFRONT FRAME PERIMETERS AND SURROUNDING CONSTRUCTION UNLESS NOTED OTHERWISE.
- GROUT FULL HOLLOW METAL FRAMES IN MASONRY CONSTRUCTION.
- SPOT GROUT HOLLOW METAL FRAMES IN GYPSUM WALLS.
- WHERE A FIRE RATING IS INDICATED ON THE DOOR SCHEDULE, HARDWARE AND DOOR ASSEMBLY COMPONENTS SHALL MEET THE REQUIREMENTS OF THAT LABEL.
- WHERE A STC RATING IS INDICATED ON THE DOOR SCHEDULE, HARDWARE AND DOOR ASSEMBLY COMPONENTS SHALL MEET THE REQUIREMENTS OF THAT LABEL.
- INSTALL DOOR GLASS USING WET GLAZING METHOD.
- ALL LITELETS ABOVE EXTERIOR OPENINGS SHALL BE GALVANIZED.
- REFER TO SHEETS AXXX & AXXX FOR ADDITIONAL DOOR, FRAME AND BORROWED LITE ELEVATIONS.
- COORDINATE THROAT OPENINGS WITH WALL WIDTH FOR ALL WRAP AROUND FRAMES.
- SCHEDULED HARDWARE FOR ALUMINUM DOORS SHALL BE PROVIDED BY HARDWARE SUPPLIER AND INSTALLED BY ALUMINUM SUPPLIER. ALUMINUM DOORS TO BE PREPARED BY ALUMINUM DOOR SUPPLIER IN ACCORDANCE WITH THE SCHEDULED HARDWARE.
- ALL NEW HOLLOW METAL DOORS, FRAMES AND BORROWED LITE FRAMES TO BE PAINTED AS INDICATED ON THE A800 SERIES FINISH PLANS. SEE FINISH PLANS FOR WOOD DOOR FINISHES.
- PROVIDE SILENCERS ON ALL DOOR FRAMES.
- SEE STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR MASONRY AND STEEL LITELETS. PROVIDE STRUCTURAL STEEL LITELETS AT OPENINGS OPENINGS WHERE INDICATED ON THE STRUCTURAL STEEL DRAWINGS IN LIEU OF MASONRY LITELET AS SHOWN IN THESE DETAILS.
- VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF DOORS AND FRAMES. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.
- SEE SHEETS A501 AND A502 FOR ADDITIONAL INFORMATION INCLUDING DOOR ELEVATIONS AND MISCELLANEOUS DETAILS.

### DOOR NOTES

- EXTERIOR INSULATED COILING COUNTER DOOR - MANUAL PUSH-UP OPERATION - SEE SPECIFICATION SECTION 08 33 13.
- EXTERIOR INSULATED OVERHEAD COILING DOOR - ELECTRICALLY OPERATED - KEYED SWITCH BOTH SIDES (INSIDE AND OUTSIDE) - SEE SPECIFICATION SECTION 08 33 23.
- INTERIOR UNINSULATED OVERHEAD COILING DOOR - MANUAL PUSH-UP OPERATION - BETWEEN THE JAMBS MOUNT - SEE SPECIFICATION SECTION 08 33 23.





## **ADDENDUM**

ADDENDUM NO. 02

BID PACKAGE NO. ALL

PROJECT: Hamilton Heights High School – Phase Two Projects

The information contained herein modifies the original Bidding Documents and all prior Addenda as applicable. Requirements of the original Bidding Documents and previous Addenda remain in effect, except as modified by this Addendum.

Bidders must acknowledge receipt of this Addendum on the Bid Form. Failure to acknowledge receipt of this Addendum may subject Bidder to disqualification. This addendum includes:

### **ATTACHMENTS**

1. 01 50 00a – Temp Facilities Matrix
2. CM-00 to CM-07
3. 01 12 00 – Scopes of Work – ADD2

### **PART 1 – GENERAL INFORMATION**

**1.1** - CM Drawings CM-00 to CM-07: Phasing plans included. While project schedule is still forthcoming, these work areas will give bidders a rough idea as to when work will commence.

### **PART 2 – DIVISIONS 00 & 01**

**2.1** - 01 50 00a – Temp Facilities Matrix

**2.2** - 01 12 00 – Scopes of Work: All bid packages to review changes to scope of work/ specific scope items included herein.

### **PART 3 – DRAWINGS**

**3.1** - N/A

**END MEYER NAJEM PORTION ADDENDUM 2**





Hamilton Heights School Corporation - Phase 2 Projects (Issued ADDENDUM #02)

01 50 00a - Temporary Facilities Responsibility Matrix

		BP#01 - Sitework	BP#02 - Building & Site Concrete	BP#03 - Asphalt	BP#04 - Masonry	BP#05 - Structural Steel	BP#06 - General Trades	BP#07 - Roofing	BP#08 - Metal Wall Panels	BP#09 - Drywall & ACT	BP#10 - Bleachers	BP#11 - Fire Protection	BP#12 - Mechanical / Plumbing	BP#13 - Electrical / Technology	Construction Manager	Owner
<b>Temporary Utility Installation</b>																
<b>General</b>																
1	Engage the appropriate local utility to install temporary service or connection to existing service. Where the utility provides only part of the service, provide the remainder with matching, compatible materials, and equipment; comply with the utility's recommendations.	X											X	X		
2	a. Provide adequate capacity at each stage of construction. Prior to temporary utility availability, provide trucked in services.	X											X	X		
3	b. Obtain easements to bring temporary utilities to the site, where Owner's easements cannot be used for that purpose.	X											X	X		
4	c. Cost for use charges for temporary facilities shall be responsibility of the Prime Contractor(s) unless otherwise indicated. Use charges for water and electricity consumption will be paid by Owner if connected to Owner's existing service. The utilization of existing fire hydrants may require the use of a meter coordinated with the Town and may result in a cost if the Town shall choose.	X	X	X	X	X	X	X	X	X	X	X	X	X		
5	d. Each Contractor is responsible for providing any/all temp services (water/gas/electric/etc.) for their scope of work in the event owner services are disconnected, unavailable, etc. during the timeframe of scope. (i.e. provide your own generators, etc.)	X	X	X	X	X	X	X	X	X	X	X	X	X		
<b>Water Service</b>																
7	Provide water service and distribution piping of sizes and pressures adequate for construction until permanent water service is in use, including deposits and water usage/consumption.	X											X			
8	a. Installation & Operation of Temporary Water Service.	X											X			
9	b. Cost of water usage from utility only (if connected to owners utility). Water usage from an existing fire hydrant may result in a charge from the Town and also require a meter which would be the responsibility of a Future Bid Category.	X											X			
<b>Temporary Electrical Service</b>																
11	Temporary electrical service, power distribution and lighting must abide by all provisions spelled out in the "Temporary Electrical Service", "Temporary Power Distribution" and "Temporary Lighting" sections of this matrix.													X		
12	a. Installation and Operation.													X		
13	b. Cost of electrical usage from utility only (if connected to owners <u>permanent</u> utility).														X	X
14	Temp power can be sourced from existing electrical within the facility as long as the connection and usage does NOT disrupt the occupied spaces of the facility. Coordinate with the Construction Manager. Costs associated with monthly usage would be paid for by the Owner assuming the contractor is tied to the permanent system(s). In the event temp services CANNOT be pulled from existing electrical, this Bid Category is responsible for providing adequate power as necessary to all equipment, contractors, etc. required to maintain school operations and construction activities. Temp power for MN Job Trailer usage costs are the Electrical Bid Category's to Pay.													X		
<b>Temporary Power Distribution</b>																
16	Provide two gang duplex grounded convenience outlets having 3-wire grounded type GFCI receptacles within 75' of outside walls and 150' spacing in any direction within the building. Install outlets in such a manner that a 100' extension cord can reach any part of the building, including enclosed areas such as offices. Provide this service at all areas of the project. Include provisions to allow for the service to be expanded to power temporary heating & cooling equipment.													X		
17	Each Contractor shall provide its own extension cords and its own Ground Fault Circuit Interrupter Equipment or Receptacle if required for special equipment.	X	X	X	X	X	X	X	X	X	X	X	X	X		
18	In addition to the above temporary power, provide and subsequently remove circuits for: i. For (1) Project Offices (Owner, CM and A/E): (1) 400 amp, 120/208 volt, single phase, 4-wire, grounded branch feeder to supply: lighting, power, electric heat and electric air conditioning.													X		
19	Temp power shall be provided to other Prime Contractors field office facilities by the Electrical Prime Contractor. Prime Contractor field offices shall be located in a reasonable distance from the Construction Manager's job trailer for ease of hookup. <b>BP #13 - Electrical</b> shall be responsible to provide adequate electrical service, infrastructure, disconnects, etc... to allow a minimum of three (3) Prime Contractor temporary office trailers (in addition to the CM & Owner Offices). It shall be assumed that each office will require a minimum of 100 amps of service. This applies to each job site.													X		
20	a. Each Respective Prime Contractor requiring a temporary office shall be responsible for the cost to hook-up power from the infrastructure provided by <b>BP #13 - Electrical</b> to their temporary office trailer. This cost shall be handled directly between <b>BP #13 - Electrical</b> and each respective prime contractor.	X	X	X	X	X	X	X	X	X	X	X	X	X		
21	Contractors having power requirements other than above shall be responsible for them. Such services include but are not limited to the following: Power to temporary offices, trailers, and sheds, Special power for masonry saws or mixers, floor grinders, floor sanders, etc., Heavy duty electrical welding equipment, Temporary heating units. All site related scopes shall provide their own methods power. This includes Structural Steel and Roofing.	X	X	X	X	X	X	X	X	X	X	X	X	X		
22	Contractors shall provide their own power source if they are unable to utilize existing power services/sources on the property (this cannot interrupt the owner's existing facility or operations in any way). This includes but not limited to providing your own generator, temp service through utility provider, etc.	X	X	X	X	X	X	X	X	X	X	X	X	X		
<b>Temporary Lighting</b>																
24	Whenever overhead floor or roof deck has been installed, provide temporary lighting with local switching. Include removal and reinstallation of temporary lighting as required by construction activities (eg. Drywall hanging, etc.). Temp lighting shall be ran over dedicated circuits. 10 Foot Candles Shall Be Maintained Throughout.													X		





Hamilton Heights School Corporation - Phase 2 Projects (Issued ADDENDUM #02)

01 50 00a - Temporary Facilities Responsibility Matrix

			BP#01 - Sitework	BP#02 - Building & Site Concrete	BP#03 - Asphalt	BP#04 - Masonry	BP#05 - Structural Steel	BP#06 - General Trades	BP#07 - Roofing	BP#08 - Metal Wall Panels	BP#09 - Drywall & ACT	BP#10 - Bleachers	BP#11 - Fire Protection	BP#12 - Mechanical / Plumbing	BP#13 - Electrical / Technology	Construction Manager	Owner
25		Install and operate temporary lighting that will fulfill security and safety protection requirements, without operating the entire system. Provide adequate illumination for construction operations and traffic conditions. Provide circuit switching in temporary lighting arranged to conserve energy. Security lighting shall also be provided, maintained and removed at the CM Construction Job Trailer for the duration of the project. At the direction of the CM, lighting at the entries of the jobsite. Electrical Bid Category Shall Assume (3) Temporary Light Poles for Site Security and/or power station lights. These (3) are in addition to requirements at the job trailer and jobsite entries													X		
26		Adequate lighting is to be provided for all construction operations and traffic conditions to ensure scope of work can be conducted safely. This provision specifically refers to activities that may require above and beyond lighting of OSHA requirements that <b>BP# 13 - Electrical</b> will be providing. For example a concrete contractor shall provide additional lighting for early morning and/or evening concrete pours.	X	X	X	X	X	X	X	X	X	X	X	X	X		
27		Adequate lighting is to be provided for all construction operations and traffic conditions to ensure scope of work can be conducted safely and meets OSHA requirements.	X	X	X	X	X	X	X	X	X	X	X	X	X		
28		Provide 120-volt lamp holder pigtail socket and guard with 150 watt A-21 lamp at a minimum of two per room and at a minimum of two per 250 sq. ft. of floor space. Generally, in large areas, light stringers shall be installed in rows 20' apart with lights spaced 15' apart on stringers. No more than ten 150 watt A-21 lamps or eight 200 watt A-23 lamps shall be installed on any 20 amp circuit. Provide replacement lamps throughout construction of the Project. In addition to the above, provide eight (8) wobble lights for use by prime contractors.													X		
29		a. Any Contractor needing additional task lighting above these requirements listed above, will need to provide supplementary plug-in temporary lighting at localized areas where such work is in progress.	X	X	X	X	X	X	X	X	X	X	X	X	X		
30		Contractor shall provide all lighting as required to complete their scope of work.	X	X	X	X	X	X	X	X	X	X	X	X	X		
31		<b>Temporary Phones &amp; Service - Each Prime Contractor to Provide Own</b>	X	X	X	X	X	X	X	X	X	X	X	X	X		
32		<b>Temporary Construction &amp; Support Facilities Installation</b>															
33		<b>Crane Pad(s)</b>															
34		This bid category shall be responsible to implement and ensure all parts of OSHA Subpart RR are met. This includes the scope and costs associated with implementing the following: 1) clear, level access and laydown/setup for the crane 2) suitable structural subgrade for the bearing of said crane and pathways for deliveries/demobilization 3) Protection of all utilities as presented on the applicable project site 4) Maintenance and removal of all temporary provisions for this trades scope of work once the work is completed 5) The locations, design and quantity shall be determined by this bid category. This applies to the crane pads required for Precast, Steel and/or Pre-Engineered Building erection. Reference CM Drawings for further clarifications of location and timing.	X														
35		Provide utility locates within the footprint of proposed crane pads. This includes public and private utility locating. Forward results of investigation to the CM and Owner to ensure that crane location will not damage any sub-surface infrastructure.	X														
36		<b>General</b>															
37		Temporary Heat Equipment & Connection until Building Enclosure is Complete (Prime Contractor requiring heat is responsible for their own).	X	X	X	X	X	X	X	X	X	X	X	X	X		
38		This bid category shall provide mechanisms for winter conditions to allow work to proceed in inclement weather. This is applicable to each individual prime contractor and their respective subcontractors.	X	X	X	X	X	X	X	X	X	X	X	X	X		
39		Temporary Enclosures															
40		a. Before Building Enclosure (whichever Prime Contractor requires the enclosure).	X	X	X	X	X	X	X	X	X	X	X	X	X		
41		b. At building enclosure and thereafter (Refer to CM Drawings and Scope of Work). If not indicated on the CM Drawings, Contractor shall assume temporary enclosure at ALL openings. Reference CM Drawing General Notes for required construction of temporary enclosures.					X										
43		Furnishing of Temporary Project Identification Signs and Bulletin Boards.														X	
44		<b>BP #06 - General Trades</b> shall be responsible to install Temporary Project Identification Signs. This will include temporary supports or construction for stand-alone signage.					X										
45		Waste Disposal Services - <b>BP#06 - General Trades</b> has ALL Dumpsters for ALL scopes of work for the duration of the project. (Please note the clarification further below in this matrix. <b>BP#01 - Sitework</b> has their own dumpsters, inclusive of their own concrete wash out dumpsters)	X				X										
46		Rodent and Pest Control.															X
47		Drinking Water - Each Prime Contractor shall provide drinking water for all trades under their contract during the construction of the project in accordance with OSHA requirements. Provide sanitary paper cups, ice and disposal containers.	X	X	X	X	X	X	X	X	X	X	X	X	X		
48		Building Electrical Usage Costs – When connected to Owners New <b>Permanent</b> Services and After Enclosure.														X	X
49		Safety/First Aid - All Prime Contractors shall provide their own first aid kit, PPE, etc...	X	X	X	X	X	X	X	X	X	X	X	X	X		
50		<b>Security &amp; Protection Facilities</b>															
51		Temporary Fire Extinguishers, Provide (1) per 3,000 SF, maintained inspected and tagged per OSHA requirements.					X										
52		Temporary Fire Extinguishers for scope of work. Reference OSHA for standards that apply to scope of work.	X	X	X	X	X	X	X	X	X	X	X	X	X		
53		Barricades, Warning Signs (eg. Side walk closures, road flashers/restrictions). As scope of work requires or directed by Construction Manager.	X	X	X	X	X	X	X	X	X	X	X	X	X		
54		Utility Protection for all scopes for duration of project. See Bid scopes and utility protection section for additional information.	X	X	X	X	X	X	X	X	X	X	X	X	X		
55		Protection of existing materials, equipment, etc. that shall stay beyond this project shall be the responsibility of this bid category.	X	X	X	X	X	X	X	X	X	X	X	X	X		
56		Each contractor is not relieved of the responsibility to protect their own property.	X	X	X	X	X	X	X	X	X	X	X	X	X		





Hamilton Heights School Corporation - Phase 2 Projects (Issued ADDENDUM #02)

01 50 00a - Temporary Facilities Responsibility Matrix

		BP#01 - Sitework	BP#02 - Building & Site Concrete	BP#03 - Asphalt	BP#04 - Masonry	BP#05 - Structural Steel	BP#06 - General Trades	BP#07 - Roofing	BP#08 - Metal Wall Panels	BP#09 - Drywall & ACT	BP#10 - Bleachers	BP#11 - Fire Protection	BP#12 - Mechanical / Plumbing	BP#13 - Electrical / Technology	Construction Manager	Owner
57	Security Fence/Gates: Refer to issued CM Drawings for extents of owner provided fencing. The Owner and CM will provide the initial installation and set-up of project temporary fencing and gates in accordance with the CM Drawings.														X	
58	The <u>Construction Manager</u> provided security fencing shall be maintained in an operational and secure condition at all times. In the event the fence must be removed, relocated, etc. it must be re-secured at the end of the working day by the contractor requiring the modification. All labor associated with moving and re-securing the fencing shall be the responsibility of the applicable contractor. Failure to secure the site may result in costs associated with stolen and/or damaged work, tools, etc. that may have been compromised by the fencing being left open.	X	X	X	X	X	X	X	X	X	X	X	X	X		
59	Snow Removal – All areas within the construction Fence and as required for safe access into and out of the site. Accommodations must be made to have snow removed <u>prior</u> to the beginning of each work day (before 7:00 AM).						X									
60	During periods of mass excavation and heavy site work, this contractor shall clean the public roadways around the project and the roadways leading into the project at least daily and as needed multiple times per day. Coordinate with the CM's Superintendent to determine the periods of time when this will be necessary.	X														
61	Clean Streets, parking lots, and site roads for entire duration of project for incidental and unidentifiable causation of debris. Include provisions to have a professional street cleaning service clean the public roadways around the project, roads inside of the construction areas, and parking lots every month. See prior item in regard to <u>BP#01 - Sitework's</u> obligation during mass grading activities. The Construction Manager reserves the right to enforce any Bid Package scope of work to clean streets if the causation for cleaning the street is directly caused by a specific bid package and it is determined to be excessive.						X									
65	Leading Edge Protection as it relates to slab on deck areas, at all levels (EXCLUDES ROOF LEVEL), shall have temporary railing measures installed, maintained by the <u>Structural Steel Contractor</u> . All items shall comply with OSHA standards. Coordinate with the CM on timing of install. Removal shall be by Others.					X										
66	Upon the completion of structural steel, the <u>BP #06 - General Trades</u> Contractor shall be responsible to remove the leading edge protection installed by <u>BP #05 - Structural Steel</u> as directed by the CM to allow work to continue. However, the General Trades contractor shall be responsible for providing, installing, maintaining, and removing temporary hand rails at leading edges, open elevator shafts, floor openings, etc... in accordance with OSHA requirements. Coordinate with the CM on timing, location, etc... It shall be anticipated that reconfiguration will be required intermittently as the Work progresses.					X	X									
67	Leading Edge Protection as it relates to roof edges shall have temporary railing measures installed, maintained and removed by the <u>BP #07 - Roofing Contractor</u> . All items shall comply with OSHA standards.							X								
68	Floor Penetrations to be covered by Prime Contractor creating opening in accordance with OSHA standards	X	X	X	X	X	X	X	X	X	X	X	X	X		
69	Locate field offices, storage sheds, sanitary facilities and other temporary construction and support facilities for easy access. Coordinate through Construction Manager.	X	X	X	X	X	X	X	X	X	X	X	X	X		
70	Maintain temporary construction and support facilities until near Substantial Completion. Remove prior to Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to the Owner. In the event damages were caused by temporary facilities the applicable contractor shall be responsible for repairing the area to a new condition.	X	X	X	X	X	X	X	X	X	X	X	X	X		
71	Non-combustible construction for offices, shops and sheds located within the construction area, or within 30' of building lines. Comply with requirements of NFPA 241.	X	X	X	X	X	X	X	X	X	X	X	X	X		
72	<b>Temporary Heat Before Enclosure</b>															
73	Each Prime Contractor shall provide temporary heat as required for their construction activities. Reference project schedule. (Natural gas equipment connection only)	X	X	X	X	X	X	X	X	X	X	X	X	X		
74	Usage cost for heating and air conditioning to be paid by each contractor. (Unless connected to permanent utility service, Owner shall pay)	X	X	X	X	X	X	X	X	X	X	X	X	X		
75	<b>Temporary Enclosures / Heat</b>															
76	Reference requirements listed under "Temporary Heat, Before & After Enclosure" in this same section.	X	X	X	X	X	X	X	X	X	X	X	X	X		
77	Temporary enclosures are to be removed and disposed of at completion of work.	X	X	X	X	X	X	X	X	X	X	X	X	X		
78	Any enclosure and temporary heating measures required to maintain the construction schedule for scope of work shall be provided. This includes work indicated to be performed in periods of inclement weather as per the Bid Schedule and work <u>delayed by fault of the Prime Contractor</u> .	X	X	X	X	X	X	X	X	X	X	X	X	X		
79	Cold weather measures shall be assumed as base bid by the <u>Roofing Contractor</u> as it relates to adhesives, heat boxes, enclosures, etc. to perform work as the project schedule requires.							X								
80	<u>Masonry</u> and <u>Concrete</u> scope of work shall continue through inclement weather until complete. Cold weather measures such as additives, blankets, tenting, etc. shall be carried as base bid.	X			X											
81	<b>Temporary Heat, Dehumidification &amp; Ventilation, After Enclosure</b>															
82	Enclosure is defined as that point when construction is sufficiently complete that, with the use of moderate temporary enclosures, heat, dehumidification, ventilation, and air conditioning, can be maintained as required for the installation of materials and equipment. Coordinate with Construction Manager for the timing of enclosure.	X	X	X	X	X	X	X	X	X	X	X	X	X		
83	The Construction Manager shall at their discretion, authorize the selected prime contractor(s) to provide temporary heat, dehumidification, ventilation, and cooling or authorize the early start up of permanent equipment as required by construction activities, for curing or drying of completed installations or protection of installed construction from adverse effects of low or high temperature or high humidity. Select safe equipment that will not have a harmful effect on completed installation or elements being installed. Coordinate ventilation requirements to produce the ambient condition required and minimize consumption of energy. In the event permanent equipment is utilized provide MERV 8 filter material placed over all return air openings, outside air openings and any openings where negative pressures are present in the duct system. Change filters and filter material when "build-up" of filtered dust substantially affects operations, or as requested at anytime by the Construction Manager.												X			





Hamilton Heights School Corporation - Phase 2 Projects (Issued ADDENDUM #02)

01 50 00a - Temporary Facilities Responsibility Matrix

			BP#01 - Sitework	BP#02 - Building & Site Concrete	BP#03 - Asphalt	BP#04 - Masonry	BP#05 - Structural Steel	BP#06 - General Trades	BP#07 - Roofing	BP#08 - Metal Wall Panels	BP#09 - Drywall & ACT	BP#10 - Bleachers	BP#11 - Fire Protection	BP#12 - Mechanical / Plumbing	BP#13 - Electrical / Technology	Construction Manager	Owner
84		a. Except where use of a permanent system is authorized, <b>BP#12 - Mechanical</b> to provide vented self-contained LP gas or natural gas heaters with individual space thermostatic control. This includes cost for electrical hook-up of temporary heating appuratenes.												X			
85		b. Use of gasoline-burning space heaters, open flame, or salamander type heating units is strictly prohibited.	X	X	X	X	X	X	X	X	X	X	X	X	X		
86		c. Temporary heating / dehumidification / cooling equipment will be required after building enclosure to continue interior finishes as outlined in the issued schedule until the permanent heating / cooling system is on-line. Provide, hook-up and maintain temporary equipment. Provide all necessary electrical hook-ups to equipment. 65-degree temperature to be maintained during all times including weekends. Usage cost to be paid by Owner if connected to Owners existing service. If the Bid Category responsible for the Mechanical System doesn't have the permanent system online, per the issued project Bid Schedule or the agreed-upon construction schedule, then this contractor shall continue to provide the temporary heating / dehumidification / cooling equipment until permanent system is online. In the event permanent equipment is utilized provide MERV 8 filter material placed over all return air openings, outside air openings and any openings where negative pressures are present in the duct system. Change filters and filter material when "build-up" of filtered dust substantially affects operations, or as requested at anytime by the Construction Manager.												X			
87		d. Should permanent AHUs be utilized for temporary heating / dehumidification / cooling, <b>BP #13 - Electrical</b> shall include in their base bid and be responsible to install, wire, and test temporary duct detectors to allow for AHUs to function in a code compliant manner. Remove, decommission, and patch holes as required upon removal.													X		
88	<b>Permanent Heating, Ventilation, Dehumidification, Cool Systems</b>																
89		Permanent heating, dehumidification, ventilating, and cooling systems will be used after building enclosure, subject to the following requirements:												X	X		
90		a. Systems shall be completely installed as designed including permanent wiring connections to permanent power sources, fire alarm, and applicable safeties and controls. Arrange with installing contractor for operation and <u>maintenance of systems including personnel to monitor efficient use.</u>												X	X		
91		b. Provide filter material placed over all return air openings, outside air openings and any openings where negative pressures are present in the duct system. Change filters and filter material when "build-up" of filtered dust substantially affects operations, or as requested at anytime by the Construction Manager.												X			
92		Prior to Substantial Completion, provide maintenance and/or repairs required to place heating, ventilating and cooling systems in "like new" condition, including but not limited to the following:												X			
93		a. Cleaning of pipe, ductwork, and parts												X			
94		b. Oiling and greasing of equipment or parts that would normally require same in a periodic maintenance program												X			
95		c. Replacement of all filters in air systems; This shall be accomplished prior to balancing of systems.												X			
96		d. Replacement of significantly worn parts and parts that have been subject to unusual operating conditions.												X			
97		e. Cleaning of water strainers in heating, cooling, and plumbing systems.												X			
98		The provisions of this Article shall not in any way change or modify the requirements of the General Conditions concerning the warranty-guarantee period which follows Substantial Completion.												X			
99		a. When the air handling units or other permanent pieces of equipment that will be used/required for temporary heating or cooling of the building during construction, the Contractor providing the equipment which has been operated shall pay all costs, if any, to extend manufacturer's warranty on all items of equipment used for temporary facilities.												X			
100		The Bid Category Responsible for the Mechanical System shall be responsible for all phases of operations and maintenance of the temporary heating and air conditioning requirements after enclosure.												X			
101		The Owner, when connected to existing/permanent services, shall pay for all costs of electricity and fuel consumed to heat the addition to meet requirements listed above after enclosure. (Only after enclosure and <u>permanent</u> utility systems active)														X	X
102	<b>Sanitary Facilities</b>																
103		Provide portable toilets and soap dispensers along with routine maintenance (minimum weekly cleaning) thereof for the duration of the project. Provide quantity per OSHA standards (but a minimum ratio 8:1) for all construction personnel for the duration of the project. A Construction Manager Job Trailer Portable Toilet Shall Be Provided and placed next to the job trailer as directed by the Construction Manager. Portable hand washing stations shall be provided as well (1) at CM Job Trailer and (1) at Each Bunk of portable toilets on site. Anytime Outhouse shall be the contracted sanitary facilities company as they are currently under contract with MNC/SESC. [Contact Information: Anytime Outhouse (765-894-7947) JB Love].						X									
104	<b>Dewatering Facilities and Drains</b>																
105		Each Bidder shall be responsible to perform their own dewatering to not delay the construction schedule and at no cost to the owner.	X	X	X	X	X	X	X	X	X	X	X	X	X		
106		Demucking and backfill as required to maintain the construction schedule at no additional cost to the owner.	X	X	X	X	X	X	X	X	X	X	X	X	X		
107		Dispose of rainwater in a lawful manner, which will not result in flooding the project or adjoining property, not endanger permanent work or temporary facilities.	X	X	X	X	X	X	X	X	X	X	X	X	X		
108	<b>Temporary Enclosures</b>																
109		Provide temporary enclosures for protection of construction in progress and completed, from exposure, foul weather, other construction operations and similar activities.	X	X	X	X	X	X	X	X	X	X	X	X	X		
110		Where heat is needed and the permanent building enclosure is not complete, provide temporary enclosures where there is no other provision for containment of heat. Coordinate enclosure with ventilating and material drying or curing requirements to avoid dangerous conditions and effects. This is applicable to your own scope of work requirements to maintain project schedule.	X	X	X	X	X	X	X	X	X	X	X	X	X		





Hamilton Heights School Corporation - Phase 2 Projects (Issued ADDENDUM #02)

01 50 00a - Temporary Facilities Responsibility Matrix

		BP#01 - Sitework	BP#02 - Building & Site Concrete	BP#03 - Asphalt	BP#04 - Masonry	BP#05 - Structural Steel	BP#06 - General Trades	BP#07 - Roofing	BP#08 - Metal Wall Panels	BP#09 - Drywall & ACT	BP#10 - Bleachers	BP#11 - Fire Protection	BP#12 - Mechanical / Plumbing	BP#13 - Electrical / Technology	Construction Manager	Owner
111	Install tarpaulins, etc., securely, with incombustible wood framing and other materials. Close openings of 25 sq. ft. or less with plywood or similar materials.						X									
112	Close openings through floor or roof decks and horizontal surfaces with load-bearing non-combustible wood-framed constructions.					X										
113	Any openings/fall hazards onsite shall be barricaded, covered, etc. per OSHA requirements. Applicable to items created by scope of work.	X	X	X	X	X	X	X	X	X	X	X	X	X		
114	Enclose all Doors, Overhead Doors, Windows, etc. per the direction of the Construction Manager to seal up the structure to maintain heat/cooling of the space. Doors/Frames/Hardware will be required for egress/access/deliveries as directed.					X										
115	Where temporary non-combustible wood or plywood enclosure exceeds 100 sq. ft. in area, use UL label fire-retardant treated material for framing and main sheathing.					X										
116	Temporary enclosures as noted on the CM Drawings as well as any enclosures required post temporary/permanent building enclosure.					X										
117	Prior to Building Enclosure, provide, install and maintain all temporary enclosures, materials, equipment, and protection necessary to meet/maintain and not delay the construction schedule during inclement weather. Scope inclusive but not limited to, Slab on Grade, Slab on Deck, Storefront, Foundations, etc. (Trade that needs protection is responsible for protection, for example BP#03 - Concrete would be responsible for temporary provisions specific to a concrete pour).	X				X										
118	<b>Field Offices and Storage Sheds</b>															
119	The Owner, through the Construction Manager, will provide and maintain a project (1) offices for the representatives of the Architect, the Construction Manager, and the Owner for their exclusive use. This office space will also be used for progress meetings unless notified otherwise.														X	
120	Each Prime Contractors Home Office must have E-mail capabilities.	X	X	X	X	X	X	X	X	X	X	X	X	X		
121	Each Prime Contractor shall be responsible to provide and maintain a full set of the Project Contract Documents on site at all times for use by their crews. This includes the Project Manual and Project Drawings. It shall be the sole responsibility of each Prime Contractor to continuously update their set with each ASI, Addendum, RFI Response, etc...	X	X	X	X	X	X	X	X	X	X	X	X	X		
122	The Construction Manager will post all reviewed submittals to Procore and will direct the Prime Contractors to their location. It shall be the sole responsibility of each Prime Contractor to reference these reviewed submittals for the coordination of their work.	X	X	X	X	X	X	X	X	X	X	X	X	X		
123	Each Prime Contractor shall install his own storage and fabrication sheds, sized, furnished and equipped to accommodate materials and equipment involved, including temporary utility service. (If applicable to scope of work for this project). Size, location, etc. must first be coordinated with the Construction Manager prior to delivery.	X	X	X	X	X	X	X	X	X	X	X	X	X		
124	<b>Project Signs</b>															
125	The project signage is to be provided by the Construction Manager.														X	
126	Traffic control signs, flagging, barricades, etc. as necessary for scope and/or deliveries for the applicable bid category.	X	X	X	X	X	X	X	X	X	X	X	X	X		
127	<b>Project Clean-Up &amp; Construction Aids</b>															
128	<b>Project Clean-Up &amp; Rubbish Container</b>															
129	Each Contractor is responsible for regular/weekly clean-up of their storage, work areas and office areas.	X	X	X	X	X	X	X	X	X	X	X	X	X		
130	No trash will be allowed to accumulate for a period of longer than 48 hours.	X	X	X	X	X	X	X	X	X	X	X	X	X		
131	Each prime Contractor is responsible for removal of his rubbish from the building/jobsite to the containers furnished by Bid Category Responsible for General Dumpsters, Refer to Bid Scopes for General Dumpster Provider.	X	X	X	X	X	X	X	X	X	X	X	X	X		
132	Cleaning of concrete foundations shall be as per below:					X										
133	a. De-mucking of horizontal and vertical surfaces following the completion of foundations to allow for a clean surface prior to the installation of any masonry work, precast panels, or work by Others shall be by <b>BP #06 - General Trades.</b>					X										
134	b. De-mucking and removal of any mortar to allow for a clean surface prior to the installation of any exterior metal framing or work by Others, after masonry work is completed shall be by <b>BP #04 - Masonry.</b>				X											
135	Any contractor that fails to remove their trash or maintain a clean area will be liable for the cost associated with clean up by others as determined by the Construction Manager.	X	X	X	X	X	X	X	X	X	X	X	X	X		
136	Provide a laborer for (8) hours each week specifically for composite clean up as specified in the front end specifications. Failure to participate will result in a fine as listed in the specifications. Clean up efforts will be directed by CM. See "Clean-Up of Work Areas During Construction" below for further clarification.	X	X	X	X	X	X	X	X	X	X	X	X	X		
137	<b>Storage Area</b>															
138	Storage areas are defined as those areas each Prime Contractor uses outside the building for temporary storage of materials and staging of materials and those areas within the new building as allowed by the Construction Manager. (If applicable to scope of work for this project). Refer to CM Drawings for designated lay down areas.	X	X	X	X	X	X	X	X	X	X	X	X	X		





Hamilton Heights School Corporation - Phase 2 Projects (Issued ADDENDUM #02)

01 50 00a - Temporary Facilities Responsibility Matrix

		BP#01 - Sitework	BP#02 - Building & Site Concrete	BP#03 - Asphalt	BP#04 - Masonry	BP#05 - Structural Steel	BP#06 - General Trades	BP#07 - Roofing	BP#08 - Metal Wall Panels	BP#09 - Drywall & ACT	BP#10 - Bleachers	BP#11 - Fire Protection	BP#12 - Mechanical / Plumbing	BP#13 - Electrical / Technology	Construction Manager	Owner
139	Just in time delivery methods shall be exercised to the greatest extent by all contractors for the duration of the project. The construction manager reserves the right to refuse delivery of materials, equipment etc. to the project that were not properly coordinated or out of sequence of the project. Materials that are accepted on site that do not meet the just in time delivery model may result in the contractor handling the materials multiple time to ensure other trades are not affected by materials overtaking work space or making the work environment unsafe. Lastly, all costs associated with rejected deliveries, multiple handlings, moving, damages, etc. shall solely be the responsibility of the applicable contractor that did not abide by the terms and conditions of coordinating deliveries with the construction manager.	X	X	X	X	X	X	X	X	X	X	X	X	X		
140	Each Prime Contractor will be responsible for his own area and its clean-up and disposal of the packing and crating which results from the uncrating, etc., of their respective materials.	X	X	X	X	X	X	X	X	X	X	X	X	X		
141	No trash will be allowed to accumulate in these areas for a period of longer than one day.	X	X	X	X	X	X	X	X	X	X	X	X	X		
142	Should the respective Prime Contractor(s) fail to maintain their respective clean-up and disposal operations, the Construction Manager may elect to call in a trash disposal service to remove the materials and charge the respective Prime contractor(s) accordingly.	X	X	X	X	X	X	X	X	X	X	X	X	X		
143	Job Trailers for each Prime contractor are on a first come first serve basis with the Construction Manager (If Permit Required, paid by Prime Contractor) and as space allows within the fenced in areas of the project as shown on the documents.	X	X	X	X	X	X	X	X	X	X	X	X	X		
144	<b>Dumpster / Trash Service</b>															
145	Provide a General Project dumpster on the jobsite at all times for their use and the use of all trades, CM and Owner for Project Clean-up for the duration of the project. All misc. trash associated with scope of work for all trades will utilize the noted dumpsters.						X									
146	Provide concrete wash outs and dumpsters as required for concrete deliveries, cleaning and/or removal for use by all Prime Contractors					X										
147	Any dumpsters required for <b>BP#01 - Sitework</b> scope of work shall be this bid packages to provide, this is inclusive of concrete wash out dumpsters for misc. concrete use by sitework bid package.	X														
148	<b>Clean-Up of Work Areas During Construction</b>															
149	Each Bidder shall be responsible for keeping the site and building clean. Each Bid Scope shall be responsible for removal of all rubbish that can be identified as generated by them. All debris and rubbish in pipe chases, plenums, attics, crawl spaces, wall cavities, and other closed or remote spaces shall be removed prior to enclosing the space. Broom and vacuum clean interior areas prior to the start of surface finishing, and continue cleaning to eliminate dust. Recognize that as a project nears completion, the degree of cleanliness increases. Once a week, at a time determined by the Construction Manager, a "clean up crew" shall be assembled. Manpower contribution from All Prime Contractors on site shall participate in this 'clean-up crew'. All Prime Contractors on the project site shall provide one laborer (Minimum of 8-hours) once a week at time designated by the Construction Manager. Should a Contractor fail to maintain a clean site, the Construction Manager has the option to clean the area on behalf of that Contractor and back charge the contractor for the cost. Said laborer's shall perform routine cleaning activities on the entire project area once their own materials are in an acceptable order (Deemed by the Construction Manager) until a minimum of 8 hours has been worked. This is not to be confused with your regular contractual cleaning obligations as specified in the front-end documents for each Bid Category.	X	X	X	X	X	X	X	X	X	X	X	X	X		
150	Upon completion of the work of each contract, the areas occupied by the storage of material shall be cleaned of all rubbish and the grounds left clean and approved by the Architect before Substantial Completion will be issued.	X	X	X	X	X	X	X	X	X	X	X	X	X		
151	Burning of trash on the site is prohibited. All materials shall be disposed of off the site in legal manner at the Contractor's expense.	X	X	X	X	X	X	X	X	X	X	X	X	X		
152	Provide all mowing, trimming, and weeding of the project site for the duration of the project within the fenced in areas as well as the exterior face of fencing to the property line maintaining an acceptable and clean asthetic project site for the owner.					X										
153	<b>Construction Aids &amp; Miscellaneous Services &amp; Facilities</b>															
154	Design, construct and maintain construction aids and miscellaneous services and facilities as needed to accommodate performance of work. These include, but are not limited to the following:	X	X	X	X	X	X	X	X	X	X	X	X	X		
155	a. Temporary stairs					X										
156	b. Guardrails and barriers					X										
157	c. Walkways					X										
158	<b>Stairs:</b> Provide temporary stairs where ladders are not adequate for performance of work per OSHA Standards and Regulations. Cover finished permanent stairs exposed to occupants' use, with a durable protective covering of plywood or similar material so that finishes will be undamaged at the time of acceptance.					X										
159	Construction aids (ladders, scaffolding, lifts, cranes, etc.) and miscellaneous facilities required exclusively by one Contractor are the responsibility of that Contractor.	X	X	X	X	X	X	X	X	X	X	X	X	X		
160	<b>Dust Control</b>															
161	Comply with the requirements of the Air Pollution Control Board of the State of Indiana and other specified requirements.	X	X	X	X	X	X	X	X	X	X	X	X	X		
162	Abide by the OSHA Silica Standard Table 1.	X	X	X	X	X	X	X	X	X	X	X	X	X		
163	<b>Temporary Roads &amp; Parking</b>															
164	Refer to site phasing/logistic plan for staging location shown on CM Drawings.	X	X	X	X	X	X	X	X	X	X	X	X	X		
165	Provide Temp Stone, Signage, Striping, concrete etc. as noted on CM Drawings.	X	X			X										
166	Should additional laydown area be required by any specific bid category above and beyond what is noted on the CM Drawings, it is this bid category's responsibility to provide adequate protection, subsurface, etc. for said materials, equipment, etc. at no additional cost to the owner.	X	X	X	X	X	X	X	X	X	X	X	X	X		





Hamilton Heights School Corporation - Phase 2 Projects (Issued ADDENDUM #02)

01 50 00a - Temporary Facilities Responsibility Matrix

		BP#01 - Sitemwork	BP#02 - Building & Site Concrete	BP#03 - Asphalt	BP#04 - Masonry	BP#05 - Structural Steel	BP#06 - General Trades	BP#07 - Roofing	BP#08 - Metal Wall Panels	BP#09 - Drywall & ACT	BP#10 - Bleachers	BP#11 - Fire Protection	BP#12 - Mechanical / Plumbing	BP#13 - Electrical / Technology	Construction Manager	Owner
167	<b>Snow &amp; Water Removal</b>															
168	From the commencement of the project to the completion of the Work, each Prime Contractor shall keep the Project free from accumulation of water and shall have available resources to maintain necessary pumping and bailing equipment for this purpose as scope requires.	X	X	X	X	X	X	X	X	X	X	X	X	X		
169	Include all snow removal within the construction fencing as defined on the CM Drawings for the duration of the project. This includes sidewalks, etc. to provide safe access to the project and building. This prime contractor shall mobilize snow removal prior to working hours when overnight snowfall collects onsite to not delay trades from starting their work day in a timely manner. All snow removal outside of construction fencing shall be conducted and paid for by the Owner.						X									
170	Roofing contractor shall be responsible for snow and/or water removal from the roof to maintain the project schedule as required.							X								
171	Prior to 100% roof completion remove all water/snow from building slabs (including elevated slabs). Within two hours from the time the percipitation stops.						X									
172	Salt shall NOT be used on concrete surfaces as this will affect overall warranty on the products installed. Alternatives shall be used for ice and snow management.		X				X									
173	<b>Security &amp; Protection Facilities Installation</b>															
174	<b>Temporary Fire Protection</b>															
175	Provide, maintain and Locate fire extinguishers no less than 1 Fire Extinguisher/3,000SF of space and in accordance with all OSHA Standards and Regulations (Stricter of two supersedes the other).						X									
176	a. Fire Extinguisher requirements for scope specific items and installations shall be provided by the associated contractor.	X	X	X	X	X	X	X	X	X	X	X	X	X		
177	All contractors must coordinate and receive hot work permits in accordance with the front end specifications.	X	X	X	X	X	X	X	X	X	X	X	X	X		
178	Contractors must store combustible materials in containers in fire-safe locations.	X	X	X	X	X	X	X	X	X	X	X	X	X		
179	Everyone must maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways, and other access routes for fighting fires. Prohibit smoking in hazardous fire exposure areas.	X	X	X	X	X	X	X	X	X	X	X	X	X		
180	<b>Barricades, Warning Signs &amp; Lights (By Prime Contractor that Creates the Need for Such, Except as Outlined in Documents)</b>															
181	The items listed within this section are to be provided by the prime contractor that creates the need for such, except as outlined by the project documents.	X	X	X	X	X	X	X	X	X	X	X	X	X		
182	Comply with standards and code requirements for erection of structurally adequate barricades. Paint with appropriate colors, graphics and warning signs to inform personnel and the public of the hazard being protected against. Where appropriate and needed provide lighting, including flashing red or amber lights.	X	X	X	X	X	X	X	X	X	X	X	X	X		
183	Provide and maintain adequate approved barricades around all obstructions and excavations resulting from the work. Where those obstructions and excavations occur at any areas crossed by the public or the Owner's personnel, adequate lights shall be installed on the barricades. All entrances and/or accesses to the roadway or walks where these obstructions and excavations occur shall also be barricaded and lighted as specified above.	X	X	X	X	X	X	X	X	X	X	X	X	X		
184	<b>Enclosure Fence</b>															
185	The presence of a fence does not relieve any Prime Contractor or their subcontractors the responsibility to secure and protect their own property.	X	X	X	X	X	X	X	X	X	X	X	X	X		
186	Relocation and reseccurring of fencing daily for access to scope of work is the responsibility of the contractor needing said access.	X	X	X	X	X	X	X	X	X	X	X	X	X		
187	In the event additional fencing is required for protection and/or security the applicable contractor will be responsible for all costs associated with the labor, maerials and equipment. This is also true if the fence needs to be temporarily or permanately re-located for a specific scope of work.	X	X	X	X	X	X	X	X	X	X	X	X	X		
188	<b>Environmental Protection (Applies to All Bidders)</b>															
189	All Prime Contractors to provide protection, operate temporary facilities and conduct construction in ways and by methods that comply with environmental regulations, and minimize the possibility that air, waterways and subsoil might be contaminated or polluted, or that other undesirable effects might result.	X	X	X	X	X	X	X	X	X	X	X	X	X		
190	Avoid use of tools and equipment which produce harmful noise. Restrict use of noise making tools and equipment to hours that will minimize complaints from persons or firms near the site.	X	X	X	X	X	X	X	X	X	X	X	X	X		
191	<u>Hamilton Heights Schools</u> does not allow for exterior work to to be performed between the hours of 7:00pm and 7:00am. Provisions to reduce noise at all times need to be taken into consideration by each contractor. In the event work needs to happen outside of these hours it must be coordinated with the Construction Manager a minimum of 72 hours prior to scope of work and also be approved by the Construction Manager and Owner in Writing. Provisions further reducing sound outside of the normal work hours (7:00am - 7:00pm) shall be implemented by the performing contractor to a satisfactory level to the Owner and Construction Manager.	X	X	X	X	X	X	X	X	X	X	X	X	X		
192	Standard work hours shall be (Applicable to all (7) Calendar Days of the Week) Indoor/Outdoor Work: 7:00AM - 3:30PM (8 Hour Shift) Indoor Work ONLY: 6:00AM - 4:30PM (10 Hour Shift)... 6AM Start time to be coordinated and approved by MNC. Outdoor Work ONLY: 7:00AM - 5:30PM (10 Hour Shift)	X	X	X	X	X	X	X	X	X	X	X	X	X		
193	<b>Certificates: By Each Bidder as Applicable</b>															
194	Prior to delivery, submit two copies of all certificates specified herein.	X	X	X	X	X	X	X	X	X	X	X	X	X		
195	Certificates shall be notarized and attest to compliance with the applicable specifications for grades, types or classes.	X	X	X	X	X	X	X	X	X	X	X	X	X		
196	<b>Containers</b>															
197	Containers shall be unopened at delivery and the respective labels shall show contents and compliance with all applicable	X	X	X	X	X	X	X	X	X	X	X	X	X		



Hamilton Heights School Corporation - Phase 2 Projects (Issued ADDENDUM #02)

01 50 00a - Temporary Facilities Responsibility Matrix

		BP#01 - Sitework	BP#02 - Building & Site Concrete	BP#03 - Asphalt	BP#04 - Masonry	BP#05 - Structural Steel	BP#06 - General Trades	BP#07 - Roofing	BP#08 - Metal Wall Panels	BP#09 - Drywall & ACT	BP#10 - Bleachers	BP#11 - Fire Protection	BP#12 - Mechanical / Plumbing	BP#13 - Electrical / Technology	Construction Manager	Owner
198	Store containers off the ground and protect from the weather.	X	X	X	X	X	X	X	X	X	X	X	X	X		
199	Utility Protection: Provided by EACH Bidder for their work as it applies															
200	Existing utility lines and structures indicated or known shall be protected from damage during construction operations.	X	X	X	X	X	X	X	X	X	X	X	X	X		
201	All bidders to locate and flag all lines and structures before beginning excavation and other construction operations.	X	X	X	X	X	X	X	X	X	X	X	X	X		
202	Utility lines constructed for this Project shall be protected by the installing Prime Contractor.	X														
203	When utility lines and structures that are to be removed or relocated are encountered within the area of operations, notify the Architect and Construction Manager and affected utility in ample time for the necessary measures to be taken to prevent interruption of the services.	X	X	X	X	X	X	X	X	X	X	X	X	X		
204	Damage to existing utility lines or structures not indicated or known shall be reported immediately to the Architect and Construction Manager and the affected utility. If determined that repairs are required under the Contract, the cost of such repairs will be covered by Change Order. If the contractor could have known of the utilities through proper location, flagging or drawing review the contractor shall pay for repairs.	X	X	X	X	X	X	X	X	X	X	X	X	X		
205	It is the responsibility of the Contractor doing any excavation work to locate all utilities public and private.	X	X	X	X	X	X	X	X	X	X	X	X	X		



**GENERAL SCOPE ITEMS - Applies to ALL Bidders**

1. All work necessary for the completion of the project, as documented in the Drawings, Specifications, Scope of Work, and Contract Manual. Review/Incorporate all drawings, general notes, and plan notes, which refer to each contractor's scope of work.
2. Reference and include additions/changes/deletions per updated/addenda documents issued from Meyer Najem Construction (MNC) & Architect/Engineers.
3. All items listed below are to assist in coordination for contractor's scope. It will be the contractor's responsibility to coordinate their scope of work with the contract documents.
4. In addition to the Contract Drawings, contractor shall review and include, but not be limited to the following items: Specification Sections, Contract Manual (Complete), Division 00 (Complete) and Division 01 (Complete). The requirements of the Instructions to Bidders, General Conditions, Bidding and Contract Forms are a part of the work of every Bid Package.
5. Throughout the items listed below, many specific detail references are identified for informational purposes. The detail references do not limit the scope of work and serve only to describe the scope of work for inclusion of all similar details within the bid for each Bid Package/Scope.
6. Any notes on the drawings or specifications that describe responsibility for work shall not be utilized, exclusively, for determining scope of work requirements (e.g., "by general contractor" or "by electrical contractor"). These notes shall not be used to limit or exclude any scope of work. Responsibility for work shall be as indicated in this scope of work. In the event the responsibility is undefined in the Bid Package Scope of Work, the drawings and specifications shall be followed.
7. For all items listed below and terms "include" and "provide" means "furnish and install" unless noted otherwise.
8. Provide all trade specific permits, fees, inspection costs associated with this scope of work (as applicable). Primary building permit will be submitted and paid for by the Owner.
9. Include approved licensing required to work in the project location, both local and state.
10. **All Contractors and Sub-contractors for IDOA Public Works projects valued at over \$300,000 MUST be pre-qualified OR in the process of being qualified through the Public Works Certification Board. Pre-qualification requires submission of an application for review by the Public Works Certification Board members.**
11. This project does NOT require prevailing, Davis-bacon nor union wages.
12. This Project **is Tax Exempt.**
13. **Review and include, as they may apply to this bid package, Sections 01 21 00 (Allowances) and 01 23 00 (Alternates) of the contract documents.**
14. When working on, near or adjacent to finished or existing surfaces to remain, protect those surfaces from damage. Damages caused will be repaired at the cost of the trade contractor causing the damage and not the Owner or MNC.
15. Contractor is responsible for means and methods of performing their work. Each trade is responsible for providing all construction accessories, equipment, tools, access/aerial aids, etc. to perform their work. Contractor is responsible for reviewing and understanding existing conditions and construction phasing.
16. Any contractor who desires to put a trailer or stored material on site must do so with the approval of MNC, and at a location as directed by MNC (the cost of installing, disconnecting, and usage of any electricity shall be incurred by the trade contractor requiring such services).
17. This project is being constructed near residential areas and Owners operational facilities (South Elementary, Middle School, and Transportation Facility). Contractor shall take all precautions to not impact or disrupt the operations of this and the adjacent residents. All work must accommodate the required access and egress to the existing buildings and neighborhoods. All pedestrian and vehicles egress and access that are adjacent to the work of this project shall be continuously maintained throughout the duration of this work.

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- Each contractor is responsible for providing their own traffic control measures as necessary/required.
18. Contractor shall perform all work in strict accordance with Project Requirements and all OSHA Rules and Regulations, and Silica Standard for Construction 1926.1153.
  19. Contractor shall provide handrails, flagging, signage, spotters, etc. and they shall be in place for the duration of the fall hazard created by this Bid Package. Contractor is responsible for all temporary fall protection measures and signage to comply with OSHA requirements.
  20. Contractor is responsible to purchase their own set of construction documents (as many as needed) for bidding and for the construction of the project once awarded.
  21. Provide daily and routine cleaning as outlined in Specification Sections 01 5000 Temporary Facilities and 01 74 19 Cleaning.
  22. Contractor shall clean their work area daily. Failure to perform this task and debris that is left by the contractor or the contractor's subcontractor, the said contractor that created the debris will be responsible for the hourly rate cost for MNC to remove the debris.
  23. All project personnel are required to check in with MNC's Site Superintendent upon mobilizing to site to obtain a Site-Specific Hardhat Sticker, sign in and watch a Safety Video.
  24. All contractors and contractor's subcontractors, etc. will be required to check-in with MNC's Site Superintendent prior to work activities each individual day.
  25. This School Corporation is a tobacco, vaping, alcohol, and drug free institution / workplace and is strictly prohibited. All workers while on the property shall adhere to this rule. Any violators will be removed from the premise.
  26. Escalation costs for all labor, materials, equipment, and consumables **shall be included** in the bid pricing, based upon the anticipated project duration.
  27. Every trade while on site is responsible and required to monitor and maintain the cleanliness of treads and tires on equipment and vehicles being used for material delivery, handling and/or installation, prior to moving across roadways. Should any debris, dirt etc. be tracked out of the work site, and it is determined by MNC that you are the responsible party, you will be required to provide proper removal and cleanup.
  28. Contractor shall include all required labor for pre-checkout, start-up, and commissioning of equipment.
  29. Supports, Unistrut, wood blocking and other items that are not explicitly shown in the drawings shall be included by the contractor requiring the support, etc. Wood blocking and backing indicated on the drawings, or required at walls and ceilings, etc. to provide a complete and functioning installation of the equipment shall be provided by the Bid Package #08 - Drywall contractor.
  30. It is the responsibility of each contractor to provide clean materials and equipment at the time of project turnover.
  31. Contractors will be subject to the following media and promotional guidelines as it applies to the project. Company Logos will not be allowed on materials, trailers, fencing, storage facilities, etc. unless approved in writing by the Owner and MNC. Furthermore, contractor or contractor's subcontractors are not permitted to advertise or feature the project by website, television, newspaper, magazine, social media or any other promotional or media output unless specifically approved in writing by the Customer and MNC.
  32. Contractors performing excavations are responsible for calling/requesting utility (public and/or private) locates. MNC will not request utility locates. The contractor performing the excavation must request the utility locates.
  33. Materials, debris, excess soils, excavated soils etc. hauled off site shall be hauled in accordance with regulations and disposed of legally. Each contractor is responsible for removal of their own spoils from the project site.
  34. All pumping necessary to keep excavations and trenches free from water during the entire progress of this work shall be the responsibility of the contractor who is responsible for said excavations and trenches. This excludes groundwater remediation. Water shall



- be discharged per the approved SWPPP. Clean up of sediment around storm water control measures is the responsibility of the contractor causing the need for said clean up.
35. The Owner, The Town, local Fire Department, and all additional authorities having jurisdiction have the right to perform a walkthrough and request corrective action at any time during construction. A Certificate of Occupancy will be required at the end of the project.
  36. Contractor shall reference Specification Section 00 89 13 Construction Schedule – Preliminary Outline and shall review in detail the CM drawings, for site logistics, general notes, and life safety throughout different phases (time frames) of the project.
  37. This project will utilize Lean Construction Principles and will require attendance to pull planning sessions/scheduling, weekly work plan meetings and daily huddles for all field supervision to develop and facilitate an agreed upon detailed schedule. Contractor shall include required mobilizations and provide adequate manpower / crews and overtime to complete the scope of work as indicated and maintain this schedule. Refer to Specification Section 01 32 00 Lean Construction Requirements for additional requirements.
  38. In connection with above line item, contractor is responsible for reviewing, understanding, and acknowledging the Preliminary Construction Schedule Outline in Specification Section 00 89 13, including any issued CM Drawings, regarding sequencing and shall include all mobilizations as required. As **noted**, certain trades / activities may be required to have **multiple crews, overtime and / or shift work**. Contractor **shall provide** adequate manpower / crews and overtime in his/her bid price to maintain this schedule. Premium costs for Phasing, Utility / System Tie-Ins, Overtime, Weekend and Second Shift work shall be included as dictated in the Preliminary Construction Milestone Schedule. **NO** additional monies will be provided for failure to do so. Educate all field personnel of Phasing and Bid Package requirements indicated.
  39. This contractor will accommodate out of sequence work necessitated by coordination with other trades.
  40. Contractors whose scope of work requires access and or work to the roofing system are responsible for maintaining and protecting the roof.
  41. All contractors shall note any instance where additional detailing or information is necessary prior to proceeding with any work. These conditions should be communicated by the bidder prior to contract finalization.
  42. Include all materials and labor for mockup conditions per drawings and specifications, if required.
  43. Provide all materials for attic stock under this scope of work per specifications requirements.
  44. Contractor is responsible and shall include labor and equipment necessary to receive, unload, handle, and stage all materials provided by their scope of work.
  45. Operation of any construction equipment (those vehicles that are not legal to operate on streets) outside of construction fence/limits shall be minimized and accompanied by a person walking next to the equipment flagging to ensure that the equipment does not affect adjacent public pedestrian and vehicle traffic.
  46. Contractor is responsible for all submittals, shop drawings, samples “colors”, closeout documentations required by the project. These documents shall be submitted in digital format to MNC in accordance with the project activities to not delay material acquisition etc. As a general requirement, all submittals are to be received by the Construction Manager within three (3) weeks following formal contract award, unless agreed upon differently. Contractor will be required to submit to the Construction Manager a list of material and equipment that will have a lead time of greater than three (3) weeks and will take longer than the required three (3) weeks to compile submittals for. This list will be due to the Construction Manager within seven (7) days following formal award.

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47. Provide all warranties required per the documents. Warranties and equipment warranties will begin on the date of substantial completion of the construction phase in which the item(s) are installed. Reference the CM drawings for phasing.
48. Contractor shall be responsible for providing, installing, and maintaining of their own certified scaffolding systems, ladders, lifts, equipment, per OSHA guidelines and requirements, as required to complete the scope.
49. Provide all testing and quality control measures per the applicable specifications. Third party testing will be provided and paid for by the Owner.
50. Owner shall have the right of first refusal on all items being removed from the building or site. The contractor shall coordinate removal of all salvageable items with the Owner. At Owner's request or items shown on the demolition plan to be salvaged, shall either be turned over to the Owner or stored in a location designated by the Owner or their representative. Items of salvageable value to the Contractor may be removed with the Owner or their representative's permission. The Contractor shall not store these items on site. Failure to coordinate with the Owner and/or their representative in writing prior to proceeding with demolition or removal of materials and equipment may result in a deductive change order in the amount of the replacement value of the noted items.
51. Contractor shall review AIA A201-2017 General Conditions of the Contract for Construction for stored materials provisions associated with this project. All required documentation and procedures will be required as precedent to approval and payment.
52. By submitting a bid, this contractor acknowledges that they will participate in the below punch list procedure:
  - a. Approximately four weeks from substantial completion the Construction Manager will perform a punch list walkthrough. These items are meant to minimize the number of items that may or may not be found on the final punch list walkthrough. All items identified in the Construction Manager walkthrough must be corrected no more than two (2) weeks following the issuance of the punch list.
  - b. As scheduled, a final punch list walkthrough will be scheduled with the Owner and Architect. All items identified in the final punch list walkthrough must be corrected no more than two (2) weeks following the issuance of the punch list.
  - c. Each Contractor's Field Representative must certify, in writing, to the Construction Manager when items are corrected. Failure to do so may result in delayed payment.
53. Field Engineering control is by MNC. Reference Section 00 81 21 Field Engineering for layout requirements by each Bid Package.
  - a. Contractor is responsible for providing field engineering and surveying for their own scope of work, including all horizontal and vertical control, as required. Provide all layout for this scope of work.
54. Carefully review the Temporary Facilities Matrix provided in Section 01 50 00. Provide everything required for your Bid Package.
55. Carefully review the CM drawings. Provide everything required for your Bid Package.
56. This Bid Package Acknowledges there will be soil stabilization at the new building addition and at the new pavement areas. Reference the CM drawings for details.
57. Temporary bracing is the responsibility of the trade requiring the temporary bracing (ex. new openings in CMU).
58. Each contractor providing sawcuts through concrete shall provide concrete scanning.
59. The following activities should be performed before or after school: dryfall paint, sawcutting within the building, applying flooring adhesives, use of powder actuated tools, fire protection system tie-ins and draining (before or after school).
60. **Due to the nature of the job having multiple phases, each contractor shall account for multiple phases of material shipments. Each contractor shall provide "just in time delivery" or provide a material storage unit onsite. No materials will be stored within the building. Each contractor is responsible for the cost of their own storage unit.**



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- a. Materials should not be delivered until the building is conditioned per the material manufacturer/spec requirements (temperature/moisture requirements).
61. In the event any Bid Package is doing work over the top of existing or new flooring products, it is the specific Bid Package's responsibility to provide adequate floor protection for the personnel, equipment, etc. that is being used over the top of the finished surfaces. Providing floor protection does not preclude the applicable Bid Package from being held financially responsible for any damage caused by their scope of work.

**END OF GENERAL SCOPE ITEMS - Applies to ALL Bidders**

**BID PACKAGE #01 – SITEWORK**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 02 41 19	Selective Demolition
Section 02 41 19	Selective Structure Demolition
Section 12 93 02	Netted Backstop
Section 13 34 16	Permanent Grandstands and Pressbox
Section 31 10 00	Site Clearing
Section 31 20 00	Earth Moving
Section 31 20 10	Earthwork – Building
Section 31 23 10	Dewatering
Section 31 26 00	Erosion and Sedimentation Controls
Section 32 11 33	Granular Base
Section 32 12 16	Asphalt Paving
Section 32 12 17	Geosynthetics
Section 32 31 13	Chain Link Fences and Gates
Section 32 31 19	Decorative Fencing and Gates
Section 32 33 00	Site Furnishings
Section 32 92 00	Turf and Grasses
Section 32 93 00	Plants
Section 33 05 00	Common Work Results for Utilities
Section 33 14 16	Site Water Utility Distribution Piping
Section 33 14 17	Site Water Service Utility Laterals
Section 33 14 19	Valves and Hydrants for Water Utility Service
Section 33 31 23	Sanitary Sewerage Force Main Piping
Section 33 46 00	Playground Subdrainage

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. Include a Payment and Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the "General Scope Items - Applies to ALL Bidders" above.
3. Provide all material, labor, equipment, and mobilizations necessary to supply and install the complete Grading & Utilities scope of work, including but not limited to, site clearing & site demolition, stripping of topsoil, stockpiling topsoil, redistribution of topsoil, grading to proposed sub-grades for building pad and all pavements, utilities, including all related accessories, as per the documents and the below items, required for this project. Haul all excess topsoil and spoils, generated by this package off site.
4. Review and abide by all recommendations in the Geotechnical Report provided by Alt & Witzig Engineering, Inc. Refer to Section 00 80 00 Geotechnical Report in the Project Manual.
5. Contractor has visited the project site and is aware of existing conditions.
6. Include requirements per notes on the Civil drawings that apply to this Bid Package.
7. Protect adjacent building areas as required for your work, this includes dust control.
8. Include street cleaning for work under this Bid Package.
9. Contractor shall import fill materials (meeting the fill requirements of the Geotechnical Report) as required to meet proposed subgrades.
10. All excess or unused materials to be hauled off site and disposed of legally.



11. Provide all site dewatering for work within this bid package as to not delay the construction schedule. Refer to Geotechnical Report for water table elevations. Include well points as required to complete your scope of work.

**Erosion Control**

12. Provide a complete erosion control system as required by the contract documents and local requirements.
13. Develop, install, maintain, and remove (at the direction of Meyer Najem superintendent), and complete inspection reporting of erosion control per SWPPP for the duration of the project.
14. Provide, install, and maintain and remove construction entrance per SWPPP requirements.
15. Coordinate installation of silt fencing with the location with proposed utility installations and temporary construction entrance, fencing, gates that will surround the property boundaries. Modify erosion control as needed for all phases of the project. Reference the CM drawings.
16. Provide, install, and maintain all required inlet protection and rock rip rap measures for new and existing storm inlets.
17. Include removal of all temporary erosion control measures and correction of disturbed area from removal on a timetable as directed by the Site Superintendent.
18. Ensure all erosion control measures are installed/inspected prior to commencing earthwork and site demo activities.
19. Provide the following as shown on C501, C502, and as detailed on C520 and C521:
  - i. Silt Fencing
  - ii. Inlet Protection
  - iii. Temporary Seeding
  - iv. Erosion Control Blanket with Seeding
  - v. Gravel Construction Entrance
  - vi. Stone Staging Area
  - vii. Concrete Washout Area
    - i. It is the responsibility of this bid package to build, maintain, properly deconstruct, fine grade, and seed this, and all adjacent areas following construction.
  - viii. Dumpster/ Recycling Area
  - ix. Port-O-Let Area
  - x. Outlet Protection
  - xi. Rock Donuts
  - xii. Construction Entrance
    - i. Provide and install temporary stone drives and staging areas as shown on the CM Drawings. Adjust grades accordingly for final stone elevations prior to performing asphalt and concrete pavements, if applicable. Contaminated temporary stone is not to be used as permanent stone. Remove any contaminated stone prior to final grading for pavement process. Coordinate locations with Construction Manager.
  - xiii. By Others: Dumpsters, Port-O-Lets, Concrete Washout Dumpsters
20. Provide silt fencing/erosion control measures around all stockpile/material storage locations.

**Site Clearing & Demolition**

21. Provide site clearing and demolition per drawings C111 and C112, and as designated in the specifications above.
22. Provide Demolition Plan Notes 1-7,10, and 15-22, per drawings C111 and C112.
  - i. For items 8,9,11,and 12: Protect applicable structures and utilities accordingly.
  - ii. Provide demolition per notes 13 and 19. Any new conduit, conductors, light pole bases, or light poles are to be the responsibility of bid package 11
23. Contractor to include clean sawcut of existing pavement (concrete & asphalt) where new pavement abuts.
24. Clear site (include grubbing, pavement removal, and other removal) as required to strip topsoil.
25. Strip and stockpile/haul off topsoil if required.



26. All material whether of salvageable value or not, must be hauled off site and disposed of legally, as work progresses.
27. It is the responsibility of this bid package to disconnect or coordinate disconnection for utilities prior to any demolition activities. Notify local utilities, Danville Community Schools and the Construction Manager prior to any utility shut down and removal.
28. Backfill all removed utilities within pavement or building areas with compactable fill which meets requirements set forth in Geotechnical Report.
29. Include capping of all utilities as required after demolition activities are complete.
30. Completely fill below-grade areas and voids resulting from demolition operations with compactable structural fill. Refer to Geotechnical Report for structural fill requirements.
31. Include all traffic control required for demolition and proposed work per local and state requirements.
32. Remove/patch back fence at County Road for access drive. Reference CM drawings.

### **Grading**

33. Ensure streets remain clean during the duration of this scope, clean as required.
34. After stripping topsoil material, removal of existing pavements, provide proof roll to determine locations of any pockets of unsuitable soil at building areas, drives and parking as required. Remediation for unsuitable soils will be determined at time of construction. Coordinate with Alt & Witzig recommendations in Geotechnical Reports.
35. Provide cut/fills for new sub-grades per plans for building pads, parking areas, asphalt paving, concrete paving, curbs, lawn areas, etc. Refer to Civil (C-Series) for existing and proposed grades and subgrade requirements.
36. Include re-spreading of topsoil to final grade (import additional topsoil as needed) per specifications.
37. Contractor shall import fill materials (meeting the fill requirements of the Geotechnical Report) as required to meet proposed subgrades.
38. All excess or unused materials to be hauled off site and disposed of legally.
39. Provide all site dewatering for work within this bid package as to not delay the construction schedule. Refer to Geotechnical Report for water table elevations. Include well points as required to complete your scope of work.
40. Contractor shall include lime modification (5% lime) of the new building pad and the new pavement areas per below:
  - i. Any cut areas, in locations as identified in iii. below, will need to be lime modified after reaching subgrade elevations, to a depth of 14".
  - ii. At "fill" areas, in locations as identified in iii. below, all initial subgrades after removal of pavement and/or topsoil will need to be lime modified, to a depth of 14". All additional lifts of fill materials shall also be modified, to a depth of 14".
  - iii. Provide lime modification of the subgrade under all new building pads, standard and heavy-duty asphalt pavement, and heavy-duty concrete pavement areas.

### **Utilities - General**

41. All work performed in strict accordance with all OSHA rules and regulations.
42. Protect all existing water main, gas main, storm lines, overhead power lines and telecom services.
43. Protect existing utilities and structures that are to remain, including newly installed utilities, during the sitework/earthwork activities. Notify all utility companies 5 days before construction is to start.
44. Provide all excavation and backfill for utilities. Provide and install all proper materials for utility trench backfill including all recommended lifts with proper compaction to meet the project requirements.
45. Coordinate with Electrical trade for new site lighting and conduit runs, if required.
46. Coordinate with Landscaping trade for new irrigation sleeve runs, if required.
47. Perform all required testing for this scope including but not limited to: leakage, infiltration, and defective testing.



- 48. All excess spoils from utility work excavation if not utilized to be hauled off-site to a suitable location (include hauling permit if required).
- 49. Where utilities are removed, relocated, or re-routed, this bid package is to provide temporary service and pumping, if necessary, as required to maintain service of this utility.
- 50. Any part of sanitary or storm sewer trenches running under or within 5' of paved areas are to be backfilled with compacted granular material, if required by the contract documents.
- 51. Contractor shall only excavate to the extent that the hole / trench can be backfilled on the same day. MNC / DCSC will not be responsible for unsuitable soils created by exposure to weather, due to premature excavations, or left open.

**Sanitary Sewer System**

- 52. Provide and install a complete sanitary sewer system as shown and required to comply with local requirements as well. Tie in to existing sanitary manhole.
- 53. Plumbing Contractor to extend/continue sewer lines maximum of 5' outside the building perimeter. Extension/continuation beyond 5' will be the responsibility of the Utility Contractor herein. Reference "Plumbing Connection Detail" on sheet C503 and the plumbing drawings.
- 54. Provide all pertinent final connections to sanitary system.
- 55. Perform all testing as required.

**Storm Sewer System**

- 56. Provide and install all storm structures (water quality structures, manholes, inlets, grates, end sections, etc.) and concrete collars for a complete storm sewer system.
- 57. Provide connection and continuation of roof drain piping as required to connect to storm piping system. Verify locations with the Plumbing and Architectural drawings.
- 58. Reference the "Downspout Connection Detail" on sheet C503. Provide the "Manufactured Downspout Adapter," and everything down.
- 59. All inlet castings are to "environmentally friendly logos" for water quality awareness.
- 60. Provide and install all downspout connections and associated subsurface drain lines.

**Landscaping**

- 61. Provide plants, grasses, turfs as shown on the contract documents. Reference planting schedule(s) and layouts for additional information.
- 62. Include all planting/soil amendments as required. It is the responsibility of this scope to include any topsoil as indicated by the drawings and specifications, or as required for the completion of this scope of work.
- 63. Provide backfill of all materials provided by this scope (trees, shrubs, plants).
- 64. Provide site to finish grade prior to seeding or sodding.
- 65. Reference Civil/Landscape drawings for additional information pertaining to grading, plantings, seeding, sod, etc.
- 66. Provide all mulch, rock, or ground cover that is required.
- 67. Provide segmental retaining walls if shown.
- 68. Provide Lawn Restoration as noted in the civil drawings.
- 69. Provide permanent seeding where temporary work is removed (i.e., laydown areas, temporary sidewalks, etc.). Reference the CM drawings.
- 70. Provide permanent seeding shown on the erosion control plans (reference the civil drawings). Temporary seeding by Bid Package 17 Grading & Utilities.
- 71. Provide steel landscape edging & metal stakes per the documents.
- 72. Provide tree/shrub planting per the documents including rubber hosing, guy wires, galvanized turnbuckles, stakes, etc.
- 73. Provide and install all crushed stone as it is called out on the landscaping drawings and site plans. Coordinate installations with BP02 – Building and Site Concrete, as well as BP10 – Bleachers.

**Fencing and Site Furnishings**



74. This bid package is responsible for the installation of all fences and gates as shown on the drawings and outlined in specification sections 32 31 13 and 32 31 19. Coordinate spacing and locations of all masonry piers with BP-04 Masonry.
75. Provide and install all site furnishings as shown in the drawings including but not limited to; Litter Receptacles, Benches, Bike Racks, and Wind Sculptures.

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**Work Excluded:**

- 76. Primary Construction Layout
- 77. Engineering
- 78. Soil Testing
- 79. Permanent Seeding
- 80. Utility Tap & Usage Fees
- 81. Stone Base Under Concrete and Asphalt

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**Addendum 2 – 02/28/2024**

**Site Demo**

- 82. Contractor to include demo note 1, listed on AD201.
- 83. Provide all demolition of exterior plumbing similar to that which is shown on PD101.

**Erosion Control:**

- 84. Contractor to include all SWPPP notes as listed on C510

**Utilities:**

- 85. Include notes W1-W9 on pages C401 and 402 of the drawings.
- 86. Coordinate notes G1 and G2 with utility provider on C401 and C402.
- 87. Include notes M1-M4 on C401 and C402.

**Storm**

- 88. Contractor to include all items listed on “Storm Structure Data Table”, shown on page C303

**Landscaping/ Site Furnishings**

- 89. It is the responsibility of this bid package to furnish and install the following items, listed on the “L” Series drawings.
  - i. **Athletic Equipment:** Items A1 and A2
    - i. It is the responsibility of this bid package to drill and anchor all components of netting and backstop systems associated with these assemblies.
  - ii. **Fencing:** F1 – F5
    - i. All core drilling for installation of fence posts at concrete sidewalks and surfaces is the responsibility of this bid package.
  - iii. **Gates:** G1-G10
  - iv. **Gravel Paving:** P5
- 90. Furnish and install all plantings and other landscaping items per the plant schedule listed on L400 and shown on L301 – L305.
- 91. Contractor to include railings shown at the concrete steps leading to the south stadium entrance.

**END OF BID PACKAGE #01 SITEWORK**



**BID PACKAGE #02 – BUILDING & SITE CONCRETE**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 03 30 00	<del>Cast-In-Place Concrete</del> – <b>ADD1</b>
Section 03 30 01	Site Cast-In-Place Concrete
Section 03 35 00	Concrete Surface Treatment - Sealer
Section 03 35 19	Concrete Surface Treatment – Stain
Section 07 92 00	Site Wall Joint Sealants
Section 32 11 33	Granular Base
Section 31 13 16	Concrete Paving

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

**General**

1. All work/responsibilities as listed in the “General Scope Items - Applies to ALL Bidders” above.
2. Provide all material, labor, equipment, and mobilizations necessary to supply and install the complete Building & Site Concrete scope of work, including all related accessories, as per the documents and the below items, required for this project.
3. Provide all concrete other than as described in the specific exclusions below.
4. Refer to all drawing sheets for abbreviations and symbols, general notes, schedules that pertain to this scope (specifically, the civil, structural, and architectural drawings).
5. Provide all excavation as required for this scope of work (foundations and curbs).
6. Review and abide by all recommendations in the Geotechnical Report provided by Alt & Witzig Engineering, Inc. Refer to Section 00 80 00 Geotechnical Report in the Project Manual.
  - i. Remediation for unsuitable soils will be determined at time of construction. Coordinate with Alt & Witzig recommendations in Geotechnical Reports.
7. Provide backfill for this scope of work. Backfill all curbs, walks, interior and exterior side of foundations, interior and exterior side of curb islands, etc. Include backfilling of any below-grade CMU. Coordinate backfilling activities with the site superintendent.
8. Include haul off/disposal of all spoils created from this scope of work. All excess or unused materials to be hauled off site and disposed of legally.
9. Provide all site dewatering for work within this bid package to not delay the construction schedule.
10. Provide winter conditions if required. Refer the Construction Schedule in the Project Manual.
11. Include labor and equipment to unload and install all reinforcing materials (rebar, wire mesh, fiber, etc.) and accessories. Accessories include but are not limited to: rebar supports, chairs/bricks for setting and rebar accessories, caps, etc., per specification sections.
12. Provide all forming and placement methods (pumping etc.) as required per the contract documents.
13. Provide all layout for this scope of work. Reference Field Engineering spec in the Project Manual.
14. Concrete washout area to be provided by bid package 1. Coordinate service requirements with corresponding contractor.



15. This scope shall be responsible for cleanliness of treads and tires on equipment prior to moving across roadways. Include cleaning of adjacent streets/drives from dirt during the concrete operations.
16. Provide all architectural finishes of concrete including rubbing, smooth forms, colored concrete, or other finishes as defined by the documents.
17. Provide all concrete per the contract documents. Include specified mix designs, expansion joints, control joints, curing materials, hardener/sealers, etc. for a complete installation.
18. Provide and install all stone required or shown under/at concrete locations.
19. Include material and installation of all expansion material which abuts concrete provided by this scope of work.
20. Provide installation of embedded items, provided by others (ex. embeds, sleeves, angles, etc.).

### **Building Concrete**

21. Provide all building concrete including but not limited to: foundations, piers, slabs on grade, elevated slabs, stair pans, walls, thickened slabs, footings, stoops, diamond infills, etc.
  - i. Equipment pads are by others.
22. It is this trade's responsibility to determine if footings need to be formed. No cost adjustments will be provided for forming of footings for any reason.
23. Coordinate with the Fire Protection, Mechanical, Electrical, Plumbing (FMPE) trades installing under-slab MEP.
24. This Bid Package is to provide an anchor bolt survey. BP05 Steel will set the anchor bolt elevations.
25. Include setting of all steel column anchor bolts in concrete at structural steel column locations shown per structural plans. Anchor bolts will be provided by BP05 – Steel.
26. Refer to structural drawings for anchor bolt sizing and quantities.
27. Set all vertical, reinforcing for piers as required.
28. Providing grouting of all base plates.
29. Provide and install all required free-draining granular base for the building slab, per notes on documents.
30. Provide and install vapor barrier under building slab.
31. Provide and install foundation insulation under building slab.
32. Provide and install all required control joints and diamonds at columns in slabs on grade, per drawings and details.
33. Provide recessed concrete at locations indicated on the drawings (reference finish plans).
34. Cutting and patching of existing concrete slabs for MEP work is by the MEP trades.
35. Provide touch-up grading of building pad prior to placement of stone subbase.

### **Site Concrete**

36. Provide all site concrete including but not limited to: ramps, walks, curbs, pavement, integral walks and curbs, exterior equipment pads, dumpster pads, truck dock retaining walls etc.
37. Refer to architectural civil, and landscaping drawings for locations and details pertaining to site concrete.
38. Provide and install all required ADA ramps/walks where concrete walks transition to road ways or parking lots. Truncated domes to be provided and installed per the local jurisdiction's requirements.
39. Provide and install all required site concrete paving.
40. Saw cut all control joints at concrete pavement, curbs and sidewalks as required.
41. Layout, set, and fill concrete pipe bollards. Steel bollards provided by BP05.
42. Provide installation and removal of the temporary sidewalks noted on the CM drawings.



**Work Excluded:**

- 43. Rough Grade of Building Pad
- 44. Concrete Testing
- 45. Asphalt
- 46. Parking Signage
- 47. Curb Stops
- 48. MEP Equipment Pads
- 49. Site Lighting Pole Bases
- 50. Joint Sealants
- 51. MEP Cut and Patch of Existing Concrete
- 52. Equipment pads, light pole foundations, bleacher foundations

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**Site Concrete**

- 53. It is the responsibility of this bid package to include all of the following site concrete items, as they are shown on the “L” Series Drawings.
  - i. Curbs: C1 – C4
  - ii. Concrete Pavement: P1 – P2
  - iii. Ramps: R1-R4, as shown in the site plans, and as detailed on L602
- 54. Contractor to provide assemblies per the site details listed on L600.
- 55. Contractor to include curb shown at existing baseball field, as detailed on 5/L601
- 56. Include retaining walls as detailed on 2/L601
- 57. Contractor to include E5 Internal Cure and E5 Catalyst at all walks and curbs.

**Building Concrete**

- 58. Include elevated benches called out on A251OB with plan note 3.
- 59. Include isolated thickened slab under washer and dryer, as noted by plan note 5 on A251OB.
- 60. Contractor to include E5 Internal Cure and E5 Catalyst at all slabs.

**Work Excluded**

- 61. Fence Post Foundations – Will be provided by 01 – Sitework
- 62. 4/L601 – to be provided by 01 - Sitework

**END OF BID PACKAGE #02 – BUILDING & SITE CONCRETE**



**BID PACKAGE #03 – ASPHALT PAVING**

**Scope Specific Inclusions:**

All work per Specification Sections:

00 & 01 Complete	Bidding & General Requirements
Section 32 11 23	Granular Base
Section 32 12 16	Asphalt Paving
Section 32 17 23	Paving Marking

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

**General**

1. Include a 100% Material Payment and Labor Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the “General Scope Items - Applies to ALL Bidders” above.
3. Provide Asphalt Paving for the entire project, including but not limited to Heavy Duty, Light Duty, ROW, paths etc. Provide all aggregate base for each asphalt application.
4. Provide pavement markings including but not limited to parking stalls, cross walks, stop bars, lane markings, ADA stalls, curb painting, hatching, etc. Provide all colors as indicated.
5. Provide all curb stops as they are shown in the drawings.
6. Provide all traffic signage per the documents. Provide steel bollards, concrete, and bollard sleeve for signposts as detailed.
7. Provide mobilizations to complete this Bid Package. Reference the CM drawings for phasing.
8. Provide traffic control for own work, including any required barricades, flag person(s), signage and all requirements per local codes.
9. Provide acceptance of subgrade elevations prior to proceeding with installation of stone. If work proceeds, that is considered acceptance, and no additional monies will be paid for any additional work associated with correcting grade or finish elevation of this scope’s assemblies.
10. Provide asphalt patching as required per the drawings and specs. Contractor to include any additional asphalt patching that is shown on the CM phasing drawings (if applicable).
11. Provide temporary & touchup striping as required.
12. Prepare ADA accommodations (i.e. transitions at ADA ramps, ADA parking, etc.) as necessary at temporary binder areas. Reference CM drawings. Also prepare cold patch at storm drains and manhole covers such that it does not hook a snow plow.
13. This bid package shall include the first 5% of material cost escalations from date of bid to date of placement for the Asphalt Binder and Top Coat. This bid package shall provide dated/job specific material invoices for the Asphalt Binder/Top Coat materials within 24 hours of the bid opening to Meyer Najem Construction, LLC. These documents will be used as a cost basis for the compensation of asphalt escalation at the time of placement. This project has multiple mobilizations, and at each placement of Binder and/or Top Coat material costs invoices (dated and job specific) shall be sent to Meyer Najem Construction, LLC, within 15 business days, to validate cost premiums/escalation from date of bid. The cost premium experienced beyond 5% shall be covered via change order. Should documentation not be provided within 24 hours of bid and/or 15 business days of placement, this escalation provision will be considered VOID and no reimbursement will take place.

**Work Excluded:**

14. Materials Testing
15. Rough Grading
16. Excavation



- 17. Sawcutting
- 18. Curbs
- 19. Control Point Layout/Staking

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- 20. Contractor to include P4a and P4b as shown in the “L” Series Drawings.
- 21. It is the responsibility of this bid package to include all parking signage and striping as indicated in the drawings (S1 – S4) and all associated details.

**END OF BID PACKAGE #03 – ASPHALT PAVING**



**BID PACKAGE #04 – MASONRY**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 04 20 00	Unit Masonry
Section 07 21 00	Thermal Insulation
Section 07 25 00	Weather Barrier
Section 07 27 26	Fluid-Applied Membrane Air Barriers

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. Include a Payment and Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the "General Scope Items - Applies to All Bidders" above.
3. Provide all CMU walls, below grade and above, interior and exterior, where indicated. Include installation and removal of temporary bracing at CMU walls per applicable rules/regulations and industry standards.
4. Provide all unit masonry where shown. Reference elevations, sections, and plans for additional information and details. Provide all stone caps, sills, and accents.
5. Perform layout for all masonry walls. All interior/exterior masonry wall construction layout to be the responsibility of this scope of work unless noted otherwise. Pinning of exterior building corners will be provided by the Construction Manager.
6. Include all stone masonry including but not limited to sill, copings, banding, etc. In general, but specifically where stone masonry is in contact or installed below grade provide and install the necessary sealers/barriers application as required.
7. Receive and install steel lintels, angles, lateral support angles, etc. furnished by Bid Package 05 Structural Steel.
8. Provide and install all required masonry precast lintels, built-in place masonry lintels made from bond beam CMUs with reinforcing based and grout.
9. Provide complete washing and cleaning of all masonry materials and any residual grout, brick, or stone materials on adjacent areas/surfaces.
10. Provide flashings, flashing tape, drip edge, mortar net, weep, ties, anchors, control joints, etc. (all masonry accessories).
11. Masonry Contractor must work and coordinate their scope with exterior sheathing/waterproofing trade for installation of masonry ties, flashings and any other items that must penetrate walls to ensure a complete weatherproof system.
12. Provide mortar and grout for all masonry applications.
13. Provide and install all masonry reinforcement/rebar.
14. Grout cells of CMU as required per documents or industry standards (whichever is more stringent).
15. Provide all rigid insulation where masonry material is the substrate.
16. Reference interior finishes and include all masonry finishes depicted. Include all interior masonry as indicated.
17. Provide grouting of doors frames scheduled to go in masonry walls.
18. Refer to and include all scope indicated in the Structural and Architectural drawings.
19. This Contractor is to replace and install all masonry plugs cut out for grouting clean outs. Repair all plugs with non-shrink grout and replace damaged faces of masonry that are exposed.
20. All walls shall be grouted as called for in the documents. All wall clean outs below surface of the concrete slab or paving shall be provided on the exterior of wall. All upper-level clean outs above slab on grade shall be provided on interior face of wall behind furred gypsum walls. No clean outs are to be provided on the exposed exterior face of masonry.

21. This Contractor shall provide all CMU lintels, bulkheads, supports or other form work elements required to hold wet grout in cells during grouting operations.
22. Provide all masonry control joints at required locations.
  - i. If A masonry wall sits on top of the slab, the bottom mortar joint shall be raked at all areas where base is NOT scheduled, so the joint may be caulked.
23. Grout installation must be coordinated with Meyer Najem at a minimum of 24 hours in advance to allow for third party testing to occur.
24. Contractor shall review and include the Typical Details as shown on Drawings S401 through S701OB.
25. Cut block as required to return to normal coursing in all locations indicated in the Contract Documents.
  - i. All CMU walls that do not layout in full or half lengths shall be balanced so as not to have any pieces less than 4" in size exposed to view.
26. Starting of CMU foundations indicates this package accepts proposed sub grade elevations installed under BP-06 – General Trades.
27. Masonry Contractor to hold dimensions for exterior windows and doors due to lead time of those materials. Information on dimensions to be provided during submittal phase.
28. No permanent layout markings will be allowed in areas that have a Sealed Concrete Finish per the Finish Drawings. These areas are to be kept free of markings to NOT affect the long-term aesthetic of the flooring surface.
  - i. This bid package shall provide adequate floor protection at new slabs that remain exposed / "Sealed Concrete" during wall construction. Any damages caused will be this bid packages responsibility to remedy.
29. Once masonry foundations are scheduled to begin this Bid Package shall provide all de-mucking required for this scope of work, to not delay the project schedule and sequencing.
  - i. Initial cleaning of footings, immediately after pouring, will be performed by BP06 – General Trades.
30. Coordinate with the Owner, Design Team, Construction Manager (MNC) on locations of bullnose block requirements. A general rule of thumb to assume for bidding shall be outside corners, unless there is a piece of equipment within an alcove called out. Coordinate with MNC and the Design Team for exceptions as it relates to Food Service Equipment Alcoves, etc. Reference wall type notes on Drawing A200 for additional requirements.
31. At the end of each day's work protect the masonry with waterproof sheeting.
32. Ensure that no mortar contacts with exposed concrete surfaces or other finished materials.
33. Provide for the shoring and bracing of masonry work if required for its proper completion.
34. All exposed masonry work is to be properly tooled, pointed, and cleaned as required, and if applicable, work must be suitable for painting.
35. This contractor will keep the cavity clear of all material including but not limited to mortar, paper, etc.
36. Any damage to sub grade (e.g., lulls around perimeter of building) caused by this bid package is to be re-established to proper sub grade by this contractor.
37. This contractor shall allow access by other trade contractors on its scaffolding at masonry walls. If required by this Bid Package #04 contractor, it shall secure any necessary liability releases directly from the other Contractors prior to allowing access on the masonry scaffolding.
38. Provide and maintain all mushroom rebar caps at all vertical rebar including dowels installed by others when masonry work is not ongoing, at the immediate work areas.
39. Contractor shall include cleanup of masonry mixing / staging area – removal of unused materials, sand, mortar, etc.
40. This bid package shall coordinate drip flashing / weeps of exterior walls with new exterior building grades to ensure proper elevation coverage over the adjacent soils, concrete, etc.
41. Coordinate all wall layout, opening sizes etc. with approved shop drawings. Coordinate/Access via Procore.
42. This bid package shall be responsible for cleaning ALL masonry prior to aluminum storefront and/or window assemblies being installed to eliminate warranty issues with opening manufactures finishes.



- 43. This bid package shall be responsible for understanding the locations of electrified door hardware and systems. Coordination with corresponding trades shall be paid special attention to. This effort will ensure rough ins are installed in the correct locations, concealed in masonry, within door frames, etc. The performing contractor of this bid package shall notify the Construction Manager if any of the involved parties of these assemblies are not providing adequate manpower to ensure systems are being roughed in properly.
- 44. Coordinate locations and install access doors and frames that are shown on the drawings and occur in masonry walls. Materials will be provided by BP06 – General Trades.
- 45. This Contractor shall grout all hollow metal door frames, installed by BP06 – General Trades, that occur in masonry walls.
- 46. Include all toothing, patchwork, infill, etc. required around frames, fire extinguishers cabinets, j-boxes, etc. installed within brick and concrete masonry construction.
- 47. Furnish and install brick piers adjacent to F4 fencing, as called out in the L series drawings.

#### **Insulation and Air Vapor Barrier**

- 48. Provide and install all rigid insulation per the drawings and Specification Section 07 21 00 and as required for a complete exterior wall assembly as detailed in the construction documents. This applies to all CMU and metal stud exterior wall and soffit assemblies requiring rigid insulation, except behind the 07 42 13 – Formed Metal Wall Panels and 07 42 43 – Metal Composite Material Wall Panels, that will be furnished and installed by BP-08 – Metal Wall Panels.
- 49. Provide and install complete fluid applied membrane air barrier as shown in the drawings and as outlined in 07 27 26. It is the responsibility of this bid package to provide a complete, continuous system throughout.
  - i. It is the responsibility of this bid package to include fluid- applied membrane barriers at both masonry, and metal stud/ gypsum sheathing walls. Tie new assemblies into existing structure as required for a continuous system.
  - ii. Coordinate with corresponding bid packages for windows, aluminum storefront, doors, metal panels, etc.
- 50. Provide and install ALL through wall flashing assemblies required for the project. Coordinate with other trades to ensure a water/airtight assembly.

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#### **Work Excluded:**

- 51. Testing
- 52. Setting of door frames. (BP06 – General Trades shall furnish and install all door frames)

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- 53. Include all masonry components for the monument sign, shown on 5/A251OB.
- 54. Contractor to include foundation walls shown on A101OB.
- 55. Furnish and install wall sleeves as detailed on 14/S401.
- 56. Provide all embeds for installation by BP02, similar to that which is shown on 20/S401, S601, and S601OB.
- 57. It is the responsibility of this bid package to install all structural steel components as they are shown interfacing with masonry assemblies on S701 and S701OB. BP05 to include components for installation.
- 58. This bid package is responsible for the selective demolition of masonry partitions within the high school, and adjacent areas including but not limited to plan notes 3,7,8,10,13,15, and 19 in the “AD” Series Drawings.

#### **END OF BID PACKAGE #04 – MASONRY**

**BID PACKAGE #05 – STRUCTURAL STEEL**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 05 12 00	Structural Steel Framing
Section 05 21 00	Steel Joist Framing
Section 05 31 00	Steel Decking
Section 05 50 00	Metal Fabrications

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. Include a Payment and Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the “General Scope Items – Applies to ALL Bidders” above.
3. Provide all steel framing and decking material, labor, equipment, mobilization, fasteners, accessories, and safety measures for a complete installation as a guaranteed material & labor lump sum turnkey price.
4. Provide all detailing, fabrication, and erection of all Structural and Miscellaneous Steel by this Bid Package.
5. Include all time required for completion of shop drawings (structural, miscellaneous, joist, metal decking, etc.) and all necessary field measuring.
6. Provide all required structural and miscellaneous steel as indicated in the complete drawings set including all civil, structural, architectural, and mechanical drawings.
7. Provide all steel plates, bracing, angles, clips, etc. based on the notes, tables, etc. as scheduled and shown in the structural “S” series drawings.
8. Include all steel angles, channels, tubes, plates, clips, and other similar items shown on the architectural drawings for a complete steel scope of work and include all other similar and like conditions which indicate materials provided/installed by this scope.
9. Provide steel joists in accordance with the drawings and specifications.
10. Provide all required steel roof decking as specified in accordance with the drawings and specifications.
11. For items embedded in concrete or masonry materials this scope of work is responsible for material delivery only, non-embedded materials provided by this scope of work are to be supplied and installed.
  - i. This Bid Package is responsible for coordinating delivery of all furnished material for hand off to the other Bid Packages who will be installing the material. It is the responsibility of this Bid Package to get written sign off for delivered materials to alleviate them from being held responsible for replacement costs of missing materials.
12. Provide pour stops at all deck edges/edge supports and penetrations, even if they are not indicated on the documents.
13. Provide and furnish all anchor bolts, leveling nuts/washers and/or steel shims (or combination thereof) as required and scheduled on drawings. Anchor bolts embedded in concrete will be installed by others.
14. Provide and install any anchor bolts required to be drilled, epoxied, or similar attachment.
15. Contractor shall be responsible for providing all framing as required for roof and slab-on-deck penetrations as per the contract documents. Refer to all drawings including structural, architectural, and mechanical/plumbing drawings.
  - i. This Bid Package shall coordinate with the Roofing contractor and MEP contractors to create a layout drawing with dimensions off structural grid line for installation of openings.
  - ii. Metal deck shall be installed over all openings in the structure and cut out at the completion of this scope.



16. This scope of work is responsible for all metal (aluminum and steel) stairs, rails, bollards, overhead door jambs and heads, operable partitions support, roof screen framing, elevator hoist beam and pit ladder, lintels (install by other).
17. Refer to all "A" series architectural drawings and include all structural and miscellaneous steel shown.
18. Refer to all "C" series civil drawings and include all structural and miscellaneous steel shown including but not limited to:
  - i. Site Handrails. Furnish Only.
  - ii. Site Bollards. Furnish Only.
    - i. Sign post bollards/ inserts to be provided by Asphalt bid package.
19. Structural steel contractor to furnish ALL steel lintels, angles, plates, etc. for the masonry contractor to install.
  - i. Furnish lateral support angles/plates at slab on deck (if shown).
20. Furnish lintels and openings for all duct penetrations 12" and larger, coordinate w/ mechanical contractor prior to wall construction, refer to mechanical sheets.
21. Contractor to provide preparation and coatings (primer, galvanizing, etc.) of interior and exterior steel as indicated in the contract documents. Include touchup and repair as required by the documents.
  - i. Include steel galvanizing as scheduled, include a plan to maintain galvanized material integrity after connections are complete.
  - ii. All steel to have applicable primer per specifications/drawings.
  - iii. Provide touch-up primer paint.
  - iv. It is the responsibility of this contractor to coordinate and select a suitable and adequate primer that is compatible with the future topcoat finish applied by Bid Package 12 General Trades
22. This Bid Package shall carry all costs and the scope responsibility associated with providing, maintaining, and removing temporary crane pads as required for their scope of work. The locations, design and quantity shall be determined by this bid package as they are responsible for the erection of structural steel.
  - i. Include crane size sufficient to set steel from **outside of exterior foundation** wall. Driving crane into the interior building area will not be allowed.
  - ii. Crane mats or enhancements required for crane support shall be responsibility of this trade.
  - iii. All rigging must be tagged and swinging of steel shall closely monitored so not to swing over occupied structures or other activities.
23. Contractor shall include costs as necessary to generate and submit "expedited" shop drawings for the entire package (if required), as outlined in the Preliminary Schedule and CM Drawings.
24. Design and detail all moment connections as well as snow, wind/seismic, earthquake and moment resistant connections as required that meets or exceeds state and local codes.
25. This Bid Package is to engage a state-registered engineer for structural steel connections, steel stairs, shoring, bracing, etc., including but not limited to drawings and stamped calculations, as required by the construction documents.
26. Provide, maintain, and remove temporary safety railing per the Temp Facilities matrix. Provide all leading-edge protection for the building addition. Leading edge protection of the existing building areas will be by Bid Package 12 General Trades.
27. Structural steel to be installed by an experienced installer per project specifications.
28. Adhere to AISC requirements as listed in the documents.
29. Provide 3D BIM Model of new steel members for coordination with other trades in accordance with Specification Section 01 32 50 – BIM Coordination.
30. Include blocking **coordination** as required to ensure in wall blocking is adequately placed for installation of steel railings.
31. This Bid Package is responsible for setting anchor bolt elevations. Building & Site Concrete will provide the anchor bolt survey.

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**Work Excluded:**

- 32. Casework and furniture support steel and rack systems.
- 33. Grouting of base plates.
- 34. Concrete fill for metal pan treads.
- 35. Cold-formed metal framing
- 36. Pipe and Tube Railings – Aluminum
- 37. Work associated with the bleachers/ grandstands

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- 38. Contractor to furnish and install “Aluminum Ships Ladder” as called out on plan note 7/A251OB.
- 39. Ensure all structural steel and decking has been picked up at the ticket booths, monument sign (Painted Steel), elevator shaft/ mechanical room, locker room, AG expansion, and (Alt work) Admin Addition.

**END OF BID PACKAGE #05 – STRUCTURAL STEEL**



**BID PACKAGE #06 – GENERAL TRADES**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements	Section 09 67 00	Fluid-Applied Flooring
Section 03 35 00	Concrete Surface Treatment - Sealer	Section 09 68 13	Tile Carpeting
Section 03 35 19	Concrete Surface Treatment – Stain	Section 09 72 00	Wall Covering
Section 06 10 53	Wood Blocking	Section 09 91 23	Interior Painting
Section 06 16 00	Wood Wall Sheathing	Section 09 96 00	High-Performance Coatings
Section 07 21 00	Thermal Insulation	Section 10 11 00	Visual Display Units
Section 07 21 19	Spray Foam Insulation	Section 10 14 16	Plaques
Section 07 84 13	Penetration Firestopping	Section 10 14 19	Dimensional Letter Signage
Section 07 84 46	Fire-Resistive Joint Systems	Section 10 14 23	Panel Signage
Section 07 92 00	Joint Sealants	Section 10 21 13	Toilet Compartments
Section 07 95 00	Expansion Control	Section 10 26 00	Wall and Door Protection - Corner Guards
Section 08 11 13	Hollow Metal Doors and Frames	Section 10 28 00	Toilet, Bath, and Laundry Accessories
Section 08 14 19	Flush Wood Doors	Section 10 43 13	Defibrillator Cabinets
Section 08 31 13	Access Doors and Frames	Section 10 44 13	Fire Extinguishers and Cabinets
Section 08 33 13	Coiling Counter Doors	Section 10 50 00	High Density Athletic Storage
Section 08 33 23	Overhead Coiling Doors	Section 10 51 13	Metal Lockers
Section 08 41 13	Aluminum-framed Entrances and Storefronts	Section 11 23 00	Laundry Equipment
Section 08 71 00	Door Hardware	Section 11 31 00	Residential Appliances
Section 08 80 00	Glazing	Section 11 52 13	Projection Screens
Section 08 87 00	Glazing Film	Section 12 24 13	Roller Window Shades
Section 08 91 19	Fixed Louvers	Section 12 32 16	Manufactured Plastic-Laminate-Faced Casework
Section 09 30 00	Tiling	Section 12 36 13	Epoxy Resin Tops
Section 09 51 13	Acoustical Panel Ceilings ADD2	Section 12 36 16	Metal Countertops
Section 09 65 13	Resilient Base and Accessories	Section 12 36 63	Solid Surface Countertops
Section 09 66 23	Resinous Matrix Terrazzo Flooring	Section 14 24 00	Hydraulic Elevators

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

**General**

1. Include a Payment and Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the “General Scope Items - Applies to All Bidders” above.
3. This Contractor shall be responsible for including an onsite General Superintendent for supervision and coordination, at all instances where either self-perform or subcontract work that

is under this Bid Package's scope of work is present on site. This includes receiving and unloading materials.

**Temporary Work**

4. Provide the following. Reference the CM drawings and phasing.
  - i. Provide temporary enclosures at all window locations.
  - ii. Provide temporary enclosures at all bump-out window locations. Reference Detail A on CM-09.
  - iii. Provide leading edge protection of all existing conditions being re-worked (perimeter safety rails at roof, second floor, floor openings, controlled access zones, etc.).
  - iv. Provide temporary toilets/ Port-O-Lets
  - v. Provide all mowing, trimming, weeding, etc. within construction fence areas for the duration of the project.
  - vi. Provide and maintain all dumpsters and recycling containers throughout the entire project.
  - vii. Provide temporary stairs, guardrails, walkways to accommodate ALL construction activities (activities for all Bid Packages).
  - viii. Provide, maintain and locate fire extinguishers per OSHA.

**Selective Demolition**

5. Provide all selective building demolition per the Architectural Demolition drawings and specs.
  - i. Provide all interior demolition as required to accept new work including, but not limited to, walls/partitions, soffits, bulkheads, ceilings, doors & frames, casework, windows, floors, flooring, wall base etc.
  - ii. Demolition by others:
    - i. Site Demolition - BP01 - Sitework
    - ii. Roof Gutters – BO-07 - Roofing
    - iii. Structure Demolition – BP01 - Sitework
  - iii. The MEP trades will make safe, cut, cap, and dispose of all MEP demolition items.
  - iv. The MEP trades are cutting and patching concrete as needed for their MEP work.
  - v. Provide Demolition Plan Note 6 on the Site Demolition Plans.
6. Include all notifications, wrecking/demo permits as required.
7. Coordinate with Meyer Najem and Hamilton Heights Schools for existing utility service disconnects as required.
8. All demolition items/debris to be removed from site unless noted otherwise. Dispose of legally.
9. Coordinate demolition sequence with the Meyer Najem superintendent and other trades as required. (Reference CM drawings for phasing)
10. Means and methods to protect existing conditions to remain from demolition activities as necessary.
11. Provide and manage dumpsters for all demolition debris.
12. Provide means and methods to remove all demolition debris out of building. Include floor protection, continual dust removal and mopping, dust abatement, etc.
13. Refer to the Architectural and Mechanical demolition plans. Provide all interior selective demolition as required for installation of new MEP systems. General Trades contractor to consult with BP-09 to ensure a seamless reinstallation of all metal studs, drywall, and ceilings.
14. Contractor to provide all concrete and flooring demolition as required for MEP systems. See "Flooring" section for more information.

**Rough Carpentry**

15. Provide all in- wall blocking for interior wall- mounted fixtures, to be installed by this scope of work.
16. Provide all exterior blocking as shown in the drawings. Include in all locations, whether shown or implied, for elements including but not limited to; exterior metal panels, roofing components, MEP items, etc.
17. Include all interior and exterior plywood sheathing as it is shown on the drawings and implied in the specifications.



18. Provide

**Casework**

19. All fasteners, adhesives, sealants, fillers for materials provided by this scope of work.
20. All out of wall blocking as required for installation of materials provided by this scope of work.
21. Field measuring prior to fabrication.
22. All materials installed by this scope of work are to be installed level and plumb.
23. The scope is responsible for all tack boards that are within or adjacent to casework installations.
24. Provide templates for all work in which coordination between other trades is necessary to incorporate MEP systems, accessories, equipment etc. into the materials provided by this scope of work. Including but not limited to Casework islands, information desks, reception desks and other similar casework fabrications.
25. All cut outs for sinks and faucets where required. Coordinate sizes with plumbing specifications/trade.
26. Include finished sides and back of all casework/millwork where exposed.
27. Reference all specifications, finish plans, finish legends etc. for material finish requirements.
28. Finish Carpentry including but not limited to: wood trim, paneling, casings, molding, chair rail, base, handrails, sills etc.
29. All wood finish carpentry items installed shall be prefinished (stained or painted per finish requirements). Putty and touch up all fastener holes after installation.
30. All casework fabrications including but not limited to: wall & base cabinets, countertops, fixed and operable shelving, open wall cabinets, soffits, mail slots, valances, swing gates, toe kicks, splashes, transaction tops, wall caps, bathroom vanity and below counter guards, coat rods and shelves, etc.
31. Includes in- wall metal countertop supports as shown in the drawings. Please coordinate installation with metal stud and drywall contractor.
32. This scope of work is responsible for glass that is integral to any door, drawer etc. relating to their work.
33. Provide and install all supplemental framing required for installations such as receptions desks and other similar conditions for a complete finished system.
34. Include all hardware as for materials provided by this scope of work including but not limited to hinges, pulls, guides/slides, stops, locks (include all keying and cylinders as specified), grommets, trays, shelves, adjustable shelf supports, hanger rods, hooks (if located on or within casework), clips, bumpers, countertop supports/brackets, standoffs, etc. for a complete installation of materials provided by this scope.
35. Filler pieces and reveals for materials provided by this scope.
36. Include all edge profiles and seaming material for each type of countertop provided by this scope work.
37. Solid surface fabrications including but not limited to: countertops, splashes, worktops, sills, transaction tops, wall cap/tops, etc.
38. Include integral solid surface sinks (plumbing fixtures, connections by plumbing contractor)
39. Include all supports and brackets as required.
40. Include all resinous tops as shown in the drawings.

**Sprayed Insulation**

41. Provide per the drawings and the specs. Provide protection of adjacent surroundings to prevent overspray. Provide cleaning of overspray and material that falls to the floor.

**Firestopping**

42. Provide firestopping in new and existing walls per the drawings and specifications. Reference the Life Safety Plan, Floor Plans, Wall Partition Types, and Wall Sections/Detail sheets for details.
43. Provide Firestopping at all top of walls, bottom of walls, and slab edges, if required. Fire Suppression, Mechanical, Electrical, and Plumbing (FMPE) penetrations in new and existing walls will be by the FMPE Bid Packages.
44. Provide fire resistive joint systems equal to the wall rating at all wall head/floor intersections with rated assemblies.

**Caulking**

- 45. Provide all caulking per the drawings and specs except as excluded below.
- 46. Provide caulking of exterior flatwork, concrete to building, expansion joints in concrete, bollard base perimeters, etc.
- 47. Provide caulking of interior and exterior masonry control joints.
- 48. Provide caulking where dissimilar materials meet, including but not limited to EIFS, masonry, soffit perimeters, etc. Exterior caulking around window perimeters is by Bid Package 14 Glazing.
- 49. Provide slab on grade isolation joint detail sealant, if required.
- 50. Provide caulking of interior perimeters of exterior aluminum entrances and storefront. Exterior perimeter by Bid Package 14 Glazing). Provide caulking of interior storefront.
- 51. Provide caulking of plumbing fixtures to walls and floors.
- 52. Provide caulking of fixed casework and countertops to wall surface.
- 53. Provide backer rod where required.

**Doors, Frames, and Hardware**

- 54. Provide and install all doors, frames, and hardware for the project except as excluded below.
- 55. Review Section 01 73 30 Electronic Door Hardware Coordination. Provide and install that which is called out in this specification and shown in the drawings. LV wiring to be performed by BP-18.
- 56. Provide and install door vision kits.
- 57. Provide and install glass for vision kits as listed below in "Glass and Glazing"
- 58. Provide fire and smoke ratings of doors, frames, and hardware per the Fire/Smoke Ratings denoted by the Wall types, the Floor Plans, and the Life Safety Plans. The most stringent shall govern.
- 59. Provide unloading, staging, and installation of the delivered doors and hardware provided by this scope of work.
- 60. Delivery of materials provided by this scope to the job site shall be in accordance with the Construction Schedule and phasing requirements (reference CM Drawings) as determined by the Site Superintendent or Project Manager. Materials delivered shall be palletized or grouped in logical order for the installation/sorting sequence and all items are to be clearly labeled by opening number.
- 61. Provide all keys, cylinders, and cores for project. Provide keying requirements as listed in specifications. This includes temporary construction keying/cores for the project.
- 62. Supplier shall meet in person with owner/architect and contractor to finalize keying requirements prior to the locks and exit devices being ordered and match existing or start a new Restricted and Patented Master Key System for the project. During keying meeting, all hardware functions should be reviewed with the owner/architect/contractor to finalize lock and exit device functions.
- 63. Contractor to install all access panels, provided by the fire suppression, mechanical/ plumbing, and electrical/ av contractors. Bid package 09 -

**Rolling Service Doors/ Overhead Doors**

- 64. Provide all overhead doors, insulated and non-insulated per the drawings and specifications. Provide any hoisting/lifts required for installation.
- 65. Provide door and operating equipment with necessary hardware, anchors, inserts, hangers and supports. Follow manufacturer's installation instructions.
- 66. Provide low voltage wiring up to the line voltage junction box. Line voltage connection will be provided by the Electrical Contractor.
- 67. Provide operation training and demonstration for the Owner.

**Glass and Glazing**

- 68. All glass and glazing for the project complete. Includes all exterior and interior glazing for complete project. Including but not limited to the scope listed below.
- 69. Exterior storefront and curtain wall systems complete. Includes all framing, flashings, pans, sills, glazing, fasteners, spandrel insulation, metal panels contained within aluminum framing, accessories, etc. for a complete glazed system. Reference wall sections and details for additional information.



70. Flashings (jambs, sills of openings provided by this trade), sealing, etc. of all aluminum frame systems- Coordinate with all exterior façade trades for integrated connections between different products.
71. Provide all interior storefront glazing systems. Include all framing, glazing, fasteners etc. for a complete system.
72. All exterior caulking between your scope and dissimilar items and any caulking required to make the building weathertight (associated with, or in contact with, this scope). Include any caulking or sealants that come into contact with your scope of work. Interior finish caulking between your scope and dissimilar materials is by others.
73. Glazing gaskets should be tight fitting and waive free.
74. Glazing within wood, hollow metal doors and frames, including fire rated glass in doors as required for the life safety plan.
75. All hardware installation for aluminum doors. Coordinate requirements with door hardware supplier.
76. Includes all aluminum trim surrounding all exterior storefront and curtain wall per the details shown for weathertight condition. Color to match curtain wall. Coordinate installation etc. with air barrier application to ensure a weather tight building. Air barrier to be provided and installed by others.
77. Include insulation within aluminum framing systems. Includes mineral wool in misc. voids and when shown against flashing or trim within glazing system provided and installed by this trade. (does not include cavity insulation between masonry and metal stud locations, etc. or any insulation outside of aluminum framing system/perimeter)
78. Include all shims, supporting components, and miscellaneous support angles for installation purposes or as required.
79. Ensure glass provided and installed by this scope of work is free from factory/shop applied stickers and adhesive that are not required to remain post installation.
80. Contractor to provide packing mineral wool insulation/ spray foam insulation at the perimeter of thermal frames.
81. Frames to be finished per 08 41 00. Final frame color selection occurs at submittal phase. Custom color is included in the contract amount.
82. Includes labor for water test after aluminum systems are installed and flashed correctly to check for water penetration per the specifications.
83. It is the responsibility of this bid package to provide and install all fixed louvers as shown or implied in the construction documents.

**Flooring/ Tiling**

84. Furnish and install all tile, resilient tile flooring, tile carpeting, tile and vinyl base IAW the drawings, specifications room finish plan and schedule. Include all products (tile backer board by others), materials, trim and accessories listed in the specifications for a complete installation.
85. Source all items through an approved manufacturer.
86. Provide and install hydraulic cement underlayment for locations indicated on the plans.
87. Conduct minor floor preparation to accept new finishes. This includes control joints, minor concrete depressions, and other small impurities in the sub- surface.
88. All floor areas shall be cleaned and swept free of debris prior to installation of flooring.
89. Float floor at material transitions for a smooth finish.
90. All cuts, trims, outlets, and fixtures should be tight and smooth so that cover plates, trims or escutcheons will cover completely.
91. Grout joints shall be free of voids and have a smooth finish. Remove all haze and debris once grouting has been completed. Properly dispose of grout water.
92. Clean and protect IAW the specifications.
93. This scope of work incorporates flooring/wall material patterns/directions as required by the contract documents.
94. All products will be warranted IAW the specifications.
95. This project is utilizing E5 concrete slab treatment. Additional information can be found at [www.specificationproducts.com](http://www.specificationproducts.com). All warranties and guarantees shall be maintained.
96. Provide and install Terrazzo demolition and patching as required for MEP system modifications. Reference demolition and architectural finish drawings for more details.

97. Contractor to provide and install all resinous flooring as it is indicated in the construction documents.

**Painting & Wall Covering**

98. Provide all exterior painting, interior painting, and wall coverings for the entire project per the drawings and specifications.
99. Reference general notes on the drawings that refer to this scope of work.
100. Provide prime and finish coats per contract documents.
101. This scope of work shall include a final touch up coat as needed prior to project completion.
102. Provide exterior painting of all unfinished materials including but not limited to:
- i. Exposed steel (rails, lintels, gates, ladders, bollards, posts, roof screen supports, hollow metal frames and doors, etc.)
  - ii. CMU/Masonry materials scheduled to be painted, etc.
103. Provide interior painting of all unfinished materials including but not limited to:
- i. Exposed steel (deck, columns, beams, tubes, rails, joists, bollards, gats, posts, etc.).
    - i. Coordinate painting of exposed structure with Construction Manager and other trades prior to painting exposed structure.
  - ii. Gypsum surfaces: walls, ceilings, soffits, bulkheads, etc.
  - iii. Hollow metal doors & frames
  - iv. Masonry materials scheduled to be painted.
104. Do not paint over required labels.
105. Stain or paint all unfinished wood doors.
106. Stain or paint all unfinished finish carpentry. Patch all fastener marks/holes prior to painting.
107. After prime coat has been applied, this scope of work and drywall trade shall review drywall surfaces to determine acceptance. Any inconsistencies shall be addressed prior to final paint.
108. Wallcovering where indicated is the responsibility of this scope of work.
109. Review substrate prior to application of wall covering. Any inconsistencies shall be brought to the attention of the site superintendent and drywall trade prior to installation of wall covering.
110. Provide sealing of Concrete as indicated by contract documents.

**Specialties**

111. Provide and install the following per the documents. Provide complete with all accessories for a complete installation. Provide in- wall blocking as applicable.
- i. Visual Display Boards
  - ii. Cast Plaques
  - iii. Dimensional Letters & Signage
  - iv. Panel Signage
  - v. Toilet Partitions & Doors
  - vi. Cubicle Track and Hospital Cubicles
    - i. Provide supports per the documents.
  - vii. Wall Guards
  - viii. FRP Paneling
  - ix. Toilet Accessories
  - x. Shower Seat
  - xi. Polycarbonate Plastic Coat Hooks
  - xii. Key Cabinet
  - xiii. Defibrillator Cabinets
  - xiv. Recessed AV Cabinet
  - xv. Fire Extinguishers & Cabinets
  - xvi. High density athletic storage units – Provide and install components for a complete system.
  - xvii. Metal lockers

**Equipment**

112. Provide and install all laundry equipment/ appliances as they are shown in the drawings.
113. Include all food service equipment as is shown in the documents.



114. All electrical requirements and final connections, relating to food service and laundry equipment are to be coordinated with the electrical bid package.

**Furnishings**

115. Provide the following per the documents. Provide all accessories for a complete installation. Provide field measurements as required.
- i. Blinds

**Elevators**

116. It is the responsibility of this bid package to provide and install the hydraulic elevator, shown at the new football grandstands.
- i. Contractor to coordinate with MNC, as well as all corresponding trades to ensure
    - i. All power requirements are met
    - ii. All shaft clearances are correct
    - iii. Pit depths are achieved
    - iv. Sufficient mechanical room/ chase space is provided.

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**Work Excluded:**

- 117. Site Demolition
- 118. MEP selective demolition and disposal
- 119. Asbestos, hazardous material removal and abatement
- 120. ~~Exterior perimeter caulking of Storefront~~ **ADD2**
- 121. ~~Structure demolition~~ **ADD2**
- 122. ~~Pipe and tube railings – to be provided and installed by BP-05 – Steel~~ **ADD2**
- 123. Acoustical caulking at top and bottom of MSDW assemblies

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**Addendum 2 – 02/28/2024**

**Selective Demolition**

124. Contractor to include selective demolition per demo notes 2, 4, 5, 6, 7, 9, 11, 12, 14, 17, 18, 20, and 23 in the “AD” Series Drawings.

**Expansion Joints**

125. Furnish and install all structural expansion joints, not included within roofing systems including but not limited to:
- i. 07 95 00 A and B, called out on A181. Roof expansion joints by BP07.
  - ii. Note 6/A201
  - iii. Note 7/A201
  - iv. Note 12/A201
  - v. Note 10/A211
  - vi. Note 12/A201
  - vii. Note 7/A201
  - viii. Note 6/A201

**Signage**

126. Furnish and install all interior signage per elevation notes 14,17, and 25-29 on A350OB.
127. All signage as shown on A960
128. Notes 17, 25, 26, 27, and 28. 29 to be furnished and installed by BP13

**END OF BID PACKAGE 06 - GENERAL TRADES**

**BID PACKAGE #07 – ROOFING**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 07 41 13	Standing-Seam Metal Roof Panels
Section 07 54 19	PVC Roofing
Section 07 54 23	Thermoplastic Polyolefin (tpo) Roofing
Section 07 62 00	Sheet Metal Flashing and Trim
Section 07 71 00	Roof Specialties
Section 07 71 29	Manufactured Roof Expansion Joints
Section 07 72 00	Roof Accessories

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

**General**

1. All work/responsibilities as listed in the General Scope Items “Applies to All Bidders”.
2. Please carefully review divisions 00 and 01, as well as the drawings, for Alternate requirements.
3. The contractor shall include the work required under each contract area as set forth in this Bid Package.
4. Include a Payment and Performance Bond in the proposal for this scope of work.
5. The contractor shall include all provisions for cold weather installation to meet the milestone schedule.
  - i. The contractor shall include all costs associated with snow / water removal to allow for roofing installation to continue.
6. This bid package shall coordinate with the Construction Manager suitable locations and means and methods when loading materials to the roof. The contractor shall carry costs and take all precautions to protect the surrounding areas (landscape, asphalt, concrete, etc.) from damage including but not limited to providing, maintaining, and removing temporary stone, wood timbers, prefabricated outrigger pads, for example. Any costs to repair damaged areas will be the responsibility of this contractor.
7. Provide all warranties as noted in the documents.
8. Contractor shall include costs as necessary to generate and submit “expedited” shop drawings for the entire package, as outlined in the Preliminary Schedule and CM Drawings.
9. Clean substrate of all dirt, dust, and debris prior to roof installation.
- 10.

**Roofing**

11. Provide all material, labor, equipment, and mobilizations necessary to supply and install the complete Roofing scope of work, including but not limited to, rough carpentry (blocking), metal roof panels, soffit panels, thermal insulation, Roofing membrane (s), sheet metal flashing and trim, roof accessories and joint sealants, as per the documents and the below items, required for this project.
12. Provide & install all Standing Seam Metal Roofing and accessories for a complete roofing system as shown by the project documents.
13. Provide and install all flashings, reglets, counter-flashings as indicated.
14. Install all roofing, flashings, and boots for MEP vents or penetrations. It's the responsibility of this contractor to coordinate with the MEP trades.
15. Includes all roofing, flashings, coping and scuppers for Canopies.
16. Provide all coping caps, flashings, counter flashings, coping, and termination bars as indicated and required for a complete roofing system.



17. Provide & Install Roof Hatch (if required) and any required accessories including all flashing, curbs etc.
18. Provide caulking of all scope items as indicated, including any caulking to dissimilar materials.
19. Coordinate with both the Plumber, and the Utility contractors to ensure complete installation of assemblies.
20. Provide and install roof walkway pads where indicated. (if shown)
21. Ensure all new roof areas slope to downspouts, scuppers, or internal roof drains.
22. Provide all splash pads at downspout locations.
23. Provide gutters, downspouts, and accessories complete.
24. Provide snow guards. (if shown)
25. Provide modification to existing roof system to accept new work. Provide temporary roof protection as required until new construction is completed, and roofing system can be reworked/installed.
26. Refer to sheet M9.01 mechanical roof plan for mechanical and plumbing roof penetrations.
27. Roofing Contractor is to inspect all new roof drains for damage or missing components and report if any components are damaged or missing.
28. Contractor to provide all new roof to roof, roof to wall and coping expansion joints as shown on the plans.
29. This bid package is responsible for the "Roof Plan General Notes" as they apply to this scope of work, on drawings A101, A102, and A151OB

**Rough Carpentry**

30. The contractor is responsible for ensuring roofing materials are installed in a complete manner at the end of the day to protect partially installed materials. Raw edges of materials shall be sealed / protected in a temporary or permanent manner to prevent damage to the roofing system and/or adjacent building materials.
31. Flash roof drains as indicated. Roof and overflow drains provided by others.
32. Flashing at all roof penetrations for MEP items.
33. Base flashings, counter flashings, and membrane terminations

**Roof Accessories**

34. Provide roofing and base flashing systems that remain watertight; do not permit the passage of water; resist specific uplift pressures, thermally induced movement, and exposure to weather all without failure.
35. Insulation, cants, tapered edge strips, tapered insulation, and cover boards.
36. Provide all new galvanized iron flashing and rain collars as shown and required.
37. Provide new interlocking rubber walkway pads as indicated on drawings and at all man ladders and roof access points.

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**Work Excluded:**

38. Blocking shown on the drawings
39. Skylight
40. RTU screening – to be included with HVAC and Plumbing scope of work
41. Back of parapet wall sheathing

**END OF BID PACKAGE #07 – ROOFING**

**BID PACKAGE #08 – METAL PANELS**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 07 21 00	Thermal Insulation
Section 07 42 13	Formed Metal Wall Panels
Section 07 42 43	Metal Composite Material Wall Panels
Section 10 53 20	Pre-Fabricated Canopies

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. The contractor shall include the work required under each contract area as set forth in this Bid Package.
2. All work/responsibilities as listed in the General Scope Items "Applies to All Bidders".
3. Provide all material, labor, equipment, and mobilizations necessary to supply and install the complete Metal Panel scope of work including, but not limited to; Formed Metal Wall Panels, Metal Composite Material Wall Panels, and Pre- Fabricated Canopies.
4. Contractor to include all anchors, girts, angles, flashings, and other miscellaneous hardware as required for a complete assembly.
5. Contractor to include materials per the listed manufacturers, outlined in Specification Sections 07 42 13 and 07 42 43.
6. It is the responsibility of this bid package to coordinate with the General Trades contractor, as well as the Masonry Contractor, to coordinate installations as they relate to in- wall blocking requirements. Contractor is to submit shop drawings in a timely manner, so that in- wall blocking can be properly placed.
7. Coordinate installations with mason, who will be providing the fluid- applied air vapor barrier on this project. Ensure all anchors are in place prior to AVB application, if assemblies call for it.
8. Provide metal panel insulation thickness, metal thickness, sheen, finish, liners, and colors per the specifications.
9. Include panel sizing as shown. Provide reveal layout shop drawings for review and approval by architect prior to fabrication and installation.
10. Coordinate size and location of penetrations through panels with respective trades.
11. Provide warranty as required in the specifications. Contractor shall protect assemblies as they deem fit, pending substantial completion, as required to maintain manufacturer's warranty and guarantee.
12. Contractor is responsible for reviewing the construction schedule, and providing adequate manpower, timely material deliveries, and winter conditions, as the schedule so implies.
13. Provide all necessary testing as outlined by the specifications for this scope of work.
14. Any deviations from the bid schedule durations will be made up by an increase in manpower at no additional cost to the project, or MNC.
15. It is the responsibility of this bid package to physically inspect surfaces prior to installation, and provide labor for field measurement, to ensure proper installation. Any unsuitable sub- surface must be brought to the attention of MNC in a timely manner, so that corrective action may be taken to not hinder the schedule. Upon commencement of work, it is assumed that the contractor accepts the subsurface to which they are installing to, and no additional cost will be granted from MNC, or the project for any corrective change- orders.
16. This bid package is responsible for the installation of all metal canopies as they are shown in the drawings. Coordination between this bid package, the General Trades contractor, and the Steel Contractor is imperative, so that support and blocking are provided as necessary.
17. Canopies to meet material thickness, size, and color outlined on both the drawings, and in specification section 10 53 20.



**Work Excluded:**

- 18. Blocking shown on the drawings
- 19. Skylight
- 20. Metal Signage
- 21.

**END OF BID PACKAGE #08 - METAL PANELS**

**BID PACKAGE #09 – METAL STUDS, DRYWALL, AND CEILINGS**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 05 40 00	Cold- Formed Metal Framing
Section 06 16 43	Glass-Mat Gypsum Wall Sheathing
Section 07 21 00	Thermal Insulation
Section 07 24 15	Polymer-Based Direct Applied Finish System (DAFS)
Section 09 22 16	Non-Structural Metal Framing
Section 09 29 00	Gypsum Board
Section 09 51 13	Acoustical Panel Ceilings

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. All work/responsibilities as listed in the General Scope Items "Applies to All Bidders".
2. Provide and install all structural metal framing including but not limited to all studs, tracks, headers, boxes, fasteners, plates, clips, gussets etc. for a complete structural metal framing system.
3. Provide stamped engineering for exterior framing conditions per the contract documents.
4. Removal of temporary steel/cable guard rail. Coordinate removal of posts and cable with site superintendent if applicable.
5. Include all interior wall partition construction as noted on documents.
6. All stud track and wall cavities shall be vacuumed and free of dust and debris prior to drywall installation.
7. No layout markings are permitted on sealed concrete floors. Reference finish drawings for sealed concrete locations.
8. All floors shall be swept/vacuumed and cleaned thoroughly after taping and sanding activities. Any means necessary shall be utilized to Remove buildup of joint compound off of the slab immediately after work completion.
9. Provide drywall touchup to drywall surfaces after all casework, trim, and division 10 items are installed. Coordinate touch- up requirements with General Trades contractor, as well as MNC.
10. This scope is responsible for all non-load bearing metal framing.
11. Provide and install all exterior sheathing board and accessories where indicated for a complete system, including all joint treatment requirements etc.
12. Provide and install all exterior sheathing where indicated including but not limited to exterior walls, soffits, breezeways, canopies, back side of parapet walls etc.
13. Include all joint treatment required per designed wall system. Fluid applied air barrier by others.
14. Provide and install all thermal and acoustic insulation within metal stud framing including but not limited to partitions, exterior walls, parapets, soffits, canopies, etc. This scope responsible for all insulation except for horizontal roof insulation, underground / slab insulation. Contractor to provide mineral wool insulation as it is called out in the drawings and specifications.
15. Include stuffing or filling of misc. voids around openings and penetrations with mineral wool.
16. Sound batt insulation at ceilings where required per partition/ ceiling schedule.
17. Contractor to frame all access doors within their assemblies as shown on the floor plans and reflected ceiling plan. Installation of access doors to be by the general trades package.
18. All metal stud walls, shafts, furring, bulkheads, soffits ceilings, column and beam wraps, channels, etc. Include all necessary tracks, bracing, clips, fasteners for a complete installation.
19. Supply and install all suspension systems and required bridging as required for drywall ceiling assemblies.



20. All gypsum board for all bulkheads, ceilings, walls, column wraps, soffits, etc. for a complete package. Include all impact resistant drywall, moisture resistant drywall etc. as required per partitions schedule and specifications.
21. Drywall control joints as required per field conditions/industry standards.
22. Coordination with Mechanical & Electrical trades for all wall penetrations.
23. Label of all fire rated walls above ceilings as required.
24. Expansion joint material where required at all drywall/metal stud locations.
25. All detailing at doors jambs and head conditions including, but not limited to, jack and king stud details, control joint details, and reveals.
26. All U.L./Rated assemblies as required/indicated for all materials supplied or installed by this scope. (Drywall, framing, taping, finishing, etc.)
27. Provide top and bottom acoustical sealants as implied and indicated by the contract documents.
28. Contractor to provide acoustical joint sealants at all wall penetrations as required to meet STC ratings.
29. Include all drywall finishing. Provide a minimum level of finish of 4 at indicated locations.
30. Provide and install all gypsum based tile backer boards / cementitious backer boards at locations required.
31. All acoustical ceilings. Include all suspension systems, trim, grid, panels etc. per the finish plans and specifications. Caulk grid as required for acoustical performance, or as indicated in the specifications.
32. Stud assemblies meet minimum deflection criteria outlined in specification section 05 40 00.
33. Subcontractor to provide shop drawings and delegated design drawings for cold- formed metal framing.
34. Framer to provide a minimum G90 coating at all exterior studs, located in unconditioned spaces. (05 40 00 spec forthcoming)
35. Include Eliminator track as it is shown, or implied in the drawings where partitions terminate flush with the ceilings.
36. Provide and install DensGlass (Or similar) as shown in the drawings.
  - i. Tape/ caulk per manufacturer's recommendations.
37. Interior framing to be minimum 33 mil, 20 gauge framing.
38. Contractor has included delegated design at all exterior load- bearing partitions. This includes shop drawings and stamped engineering drawings as required.
39. Contractor to provide fire rated top track as required. Please coordinate with General Trades contractor for all fire/ smoke rated assemblies.
40. Contractor to provide and install gypsum board per specification section 09 29 00 including but not limited to; Abuse resistant and impact resistant interior panels, paper faced gypsum board, moisture resistant gypsum board, High- impact gypsum board, and tile backer board.
41. Provide and install reveals in drywall partitions as shown in the drawings and indicated in the contract documents.
42. Provide and install control joints as shown in the drawings. Please note that if not shown, control joints will be required as outlined in the specifications.
43. Provide direct applied finish system as indicated in the drawings and the specifications. Provide manufacturer and color as indicated.
44. Include all supporting components for retractable projection screens, to be installed by the owner.

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**Work Excluded:**

45. Liquid Air and Vapor Barrier
46. Sprayed Insulation
47. Metal Soffit Panels
48. Fiberglass reinforced panels

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**Addendum 2 – 02/28/2024**

49. It is the responsibility of this contractor to demo all ACT and drywall ceilings, required for MEP work as shown in the drawings. Contractor to coordinate with applicable trades for sufficient demolition areas.

50. Contractor to include all tectum panels as they are shown in the drawings.

**END OF BID PACKAGE #09 - METAL STUDS, DRYWALL, AND CEILINGS**



**BID PACKAGE #10 - BLEACHERS**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 03 30 00	Cast-In-Place Concrete
Section 03 30 01	Site Cast-In-Place Concrete
Section 13 34 16	Permanent Grandstands

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. All work/responsibilities as listed in the "General Scope Items - Applies to ALL Bidders" above.
2. Clean all work of dirt, dust, grease, oil, shop identification marks and other foreign matter for all materials provided by this scope.
3. All fasteners, adhesives, sealants, fillers for materials provided by this scope of work.
4. It is the responsibility of this bid package to provide all engineering and foundations for their structures, except for concrete slabs for pedestrian ramps, which will be included with bid package 02 – Site and Building Concrete.
5. Upon acceptance, contractor to provide shop drawings in a timely manner during the submittal process.
6. Contractor to coordinate assemblies with the masonry package as they relate to their construction. Provide layout input so that the press box lands directly adjacent to the elevator shaft.
7. Provide and install all expansion control where press box abuts the elevator shaft for a watertight assembly.
8. Coordinate raceway, conduit, and hanger requirements with Electrician/ AV contractor, Mechanical contractor, and General Trades contractor for the installation of all power, AV, plumbing, and HVAC services.
9. Provide and install all interior partitions and finishes as they are indicated on the drawings and specifications. Casework and plumbing fixtures shall be provided by the General Trades contractor.

**Work Excluded:**

10. Concrete Sidewalks/ slabs
11. Crushed stone/ gravel beneath bleachers
12. Casework within press boxes

**Addendum 2 – 02/28/2024**

13. Furnish and install expansion joint noted on 9/A491OB.

**END OF BID PACKAGE #10 - BLEACHERS**

**BID PACKAGE #11 – FIRE PROTECTION**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 08 31 13	Access Doors And Frames
Section 20 00 10	Common Work Results For Fire Suppression, Plumbing And Hvac
Section 20 00 50	Common Materials And Methods For Fire Suppression, Plumbing And Hvac
Section 20 00 60	Pipe, Valves, Fittings And Hangers For Fire Suppression, Plumbing And Hvac
Division 21	Complete

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. All work/responsibilities as listed in the General Scope Items "Applies to All Bidders".
2. All items in specifications section 21 shall be provided by this scope.
3. Specifications sections 00 and 01, in their entirety, and any other applicable or related specification items that apply to this scope of work.
4. Include all scope of work indicated, implied, or required by the Fire Protection Drawings and specifications.
5. Provide and install all pressure and flow sensors required. Line voltage power connections provided by electrical subcontractor to devices provided by this scope.
6. Fire protection scope items and related scope indicated on architectural, civil, HVAC, plumbing, fire protection, structural and other contract documents for a fully operational fire suppression system. Other than as outlined in the exclusions section below.
7. Include all testing required for this scope.
8. Connections to the civil utility infrastructure. The piping will be brought into the building by others.
9. All mains, branch piping, RPZ's, heads, accessories, escutcheons, etc.
10. Furnish and install all sleeves, carriers, supports etc. required for this scope.
11. Install flashing, counter-flashing, and/or sealant at all penetrations of Fire Sprinkler System components through the exterior wall system and/or waterproofed areas unless same is specifically shown to be provided by another contractor. The Roofing Contractor shall seal all roof penetrations.
12. Drafts of all required operation and maintenance manuals, valve tagging charts, etc. as outlined by the plans/specifications, or required by governing codes are to be submitted no later than Project 50% completion. Spare parts, as-built drawings, pipe identification, etc. are to be provided per specifications/drawings.
13. All miscellaneous supports for piping and equipment, risers, etc. required for the proper completion of the this scope of work. Structural framework and supports provided by others is limited to that specifically shown and indicated on the Structural Drawings.
14. Coordinate so that no pipe is run over the top of electrical or communication panels. MEP coordination may not show all locations of service panels, Subcontractor to ensure that this requirement is met.
15. Coordinate the sprinkler head locations with the architectural reflected ceiling plans and shop drawings. Additional heads which may be required to meet code are to be included at no charge.
16. All required pipe labeling shall be installed prior to the installation of ceiling grid.
17. Provide and shop drawings, submittals and operation manuals as required per specifications.
18. Seismic considerations as required by the design documents per local building codes and NFPA Standards. Reference contract documents for site classification for project.



19. Coordinate routing and layout with other Mechanical and Electrical trades to identify and eliminate conflicts.
20. It is the responsibility of this contractor, to create all ceiling penetrations for their assemblies. The ACT installing contractor will have grid in place, and an early delivery of ceiling tile on- site for this bid package to complete their installations.
21. Review RCP drawings, demolition scope and new architectural scope. New and existing sprinkler heads need to be centered in ceiling tile and properly coordinated with other ceiling types.
22. Provide all demolition, as applicable, for your scope of work. This includes the traditional “cut, cap and make safe” scope as well as dropping items and removing them from the building to the dumpster (dumpsters by others). Demolition of all ceilings and partitions will be performed by BP06 – General Trades. Please coordinate with this bid package for all demolition requirements.
23. Each sprinkler system zone, which is taken out of service to preform piping and sprinkler modifications, must be put back into service each day before the contractor leaves the site. No Fire Protection system can be left out of service for any reason over an extended period of time.
24. Provide BIM modeling. Incorporate overhead ceiling coordination drawings that identify routing for Fire Suppression, Plumbing, Electrical and HVAC. Routing of individual systems shall be provided per the approved coordination drawings and any variances that arise the subcontractor that has deviated from the approved coordination drawings will be responsible for any costs associated.
25. Provide all access doors either shown or implied for future access of assemblies. Installation to be performed by BP06-General Trades.

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**Work Excluded:**

26. Primary Construction Layout
27. Fire extinguishers and cabinets
28. Test and balance – to be performed by owner

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**Addendum 2 – 02/28/2024**

29. Contractor to coordinate with BP09 for ACT and drywall ceiling demolition. This bid package is to exclude all demolition of ACT and/ or drywall ceilings.

**END OF BID PACKAGE #11 – FIRE PROTECTION**

**BID PACKAGE #12 – MECHANICAL / PLUMBING**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 08 31 13	Access Doors And Frames
Section 20 00 10	Common Work Results For Fire Suppression, Plumbing And Hvac
Section 20 00 50	Common Materials And Methods For Fire Suppression, Plumbing And Hvac
Section 20 00 60	Pipe, Valves, Fittings And Hangers For Fire Suppression, Plumbing And Hvac
Division 22	Complete
Division 23	Complete

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. Include a Payment and Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the "General Scope Items - Applies to ALL Bidders" above.
3. Provide all scope on the M-series and P-series drawings.
4. Provide necessary servicing of existing chiller and evaporator. See list of alternates for work associated with the (potential) new chiller.
5. Provide all work in compliance with all applicable codes.
6. Include all supports and bracing of all plumbing items as required.
7. Provide all applicable firestopping for your scope of work.
8. Provide all demolition, as applicable, for your scope of work. This includes the traditional "cut, cap and make safe" scope as well as dropping items and removing them from the building to the dumpster (dumpsters by others). This project requires a systematic removal of these items in a manner that ensures consistent and continuous operations, so this work shall be coordinated by this trade.
9. Include the labeling and tagging of all items as required.

**Plumbing**

10. Pipe sleeves at the foundation walls as required/indicated.
11. Provide all access panels for all scope items as required. Access panels will be installed in drywall and CMU partitions by others.
12. Equipment condensate piping as required.
13. This bid package shall request all submittals from the Construction Manager that affect their scope of work to cross reference power requirements versus what is shown on the Contract Documents.
14. Test and Balance for both plumbing and HVAC systems will be contracted directly by Meyer Najem. Please coordinate with Meyer Najem superintendent and the Test and Balance (TAB) contractor selected.
15. Provide maintenance and service of all equipment and systems provided per Scope of Work from the time it is put into service, during construction, and until acceptance by the Owner. Warranty will take effect with acceptance by the Owner in accordance with the Certificate of Substantial Completion. Extended warranty shall be provided for all equipment used during construction.
16. All miscellaneous supports for piping and equipment, risers, etc. required for the proper completion of the Mechanical (Plumbing & HVAC) Scope of Work. Structural framework and supports provided by others is limited to that specifically shown and indicated on the Structural Drawings.



17. Coordinate so that no pipe is run over the top of electrical or communication panels. MEP coordination may not show all locations of service panels, this scope of work to ensure that this requirement is met.
18. Provide BIM modeling. Incorporate overhead ceiling coordination drawings that identify routing for Fire Suppression, Plumbing, Electrical and HVAC. Routing of individual systems shall be provided per the approved coordination drawings and any variances that arise the subcontractor that has deviated from the approved coordination drawings will be responsible for any costs associated.
19. Include final connection to all owner/client provided equipment as applicable.
20. Provide all labor and material for complete installation of all above and below grade sanitary, venting, and plumbing piping as required for a complete working plumbing system. Connect to the civil utilities. Domestic service shall be provided to 12" AFF by the Civil Utility Contractor.
21. Include the complete insulation of all plumbing piping as required / indicated.
22. Include the make safe of all plumbing items scheduled to be demolished prior to demolition activities. Tag/identify all plumbing items readied for demolition.
23. Include all trench drain(s) and covers as indicated.
24. Provide all machine, hand, and rock excavation, backfilling, and **spoil removal** as required for the proper completion of the Work. Backfill material installed must be in accordance with the applicable sections of the Contract Documents.
25. Sanitary waste and vent piping as required.
26. Complete installation of the interior roof drains as required. This includes the connection to the exterior sub surface drainage piping as required. Exterior downspouts and connections are by others.
27. Include all domestic water piping as required.
28. Include all gas piping systems complete. Including but not limited to pipe, fitting, venting, control panels, etc. as required.
29. Include the complete installation of all kitchen HVAC and plumbing including, but not limited to, sanitary waste and vent, water piping and duct systems. Refer to the Kitchen Equipment Drawings. This includes the final connections for all equipment as indicated.
30. Include all shutoffs, isolation valves, as required.
31. Include all sleeves, RPZ's, piping, etc. for the irrigation system. Irrigation meter, distribution and heads are by others.
32. Include grease waste piping and grease interceptor if shown in the drawings.
33. Coordinate all new plumbing fixtures that are indicated and confirm applicability of the existing carriers and if they are scheduled to remain. Provide new carriers where necessary.
34. Provide all slab sawcutting and trench excavation/backfill as required. Replace slabs as necessary, include applicable doweling and slab finish. Slab overcuts are not allowed, proper sawcutting should be utilized to avoid overcuts. Provide all slab infills as necessary. Include E5 admixture (coordinate with forthcoming approved concrete mix designs for this project).

## **HVAC**

35. Include all scope of work indicated, implied, or required by the HVAC Drawings and specifications. HVAC scope items and related scope indicated on architectural, civil, HVAC, plumbing, food service, fire protection, structural and other contract documents. Other than as outlined in the exclusions section below.
36. Selective demo for all mechanical items as indicated. Include the make safe of all HVAC items scheduled to be demolished prior to demolition activities. Tag/identify all HVAC items readied for demolition.
37. Re-working of the existing ductwork, mechanical piping, mechanical equipment, etc. as indicated. Demolition of existing architectural finishes will be by the General Trades contractor. Please coordinate with BP06 for all demolition requirements.
38. All HVAC Equipment. Reference equipment schedules etc. for additional information. Including but not limited to: Rooftop dehumidification units, air cooled condensers, Rooftop units, Fans, gas

- fired infrared unit heaters, electric duct coils, VAV terminal units, and ductless split systems as indicated.
39. Provide all electric duct mounted heaters where indicated. Electrical connections by others.
  40. Temperature Control systems complete as indicated on the documents. Coordinate with existing facility and equipment. Provide any necessary demolition, removal or remedial work. Coordinate the phasing of these items to keep all building systems online during construction. Make any temporary connections or work-arounds to maintain functionality of all active non-construction building areas. Provide new graphics and interface. This scope of work is responsible for all wiring, devices for this system.
  41. Provide cleaning of existing ductwork. This work shall be performed prior to connecting to new ductwork, VAVs, etc. Reference the drawings for additional information and requirements.
  42. Any hoisting or rigging associated with equipment installation. Any necessary cranes shall be set in a location that is capable of supporting the applicable loads. Obtain proper crane permits in a timely manner. Protect roof as necessary. The delivery paths for the AHUs should be studied and understood during preparation of the bid and incorporated into planning.
  43. Provide necessary refrigerant lines as indicated.
  44. Dampers as indicated/required.
  45. This subcontract is responsible for all angles, dampers, or sheet metal etc. for HVAC penetrations required to achieve fire rating. Firestopping will be provided by others.
  46. Flexible duct connections where required and/or where ductwork crosses the building expansion joints.
  47. Include any curbs or housekeeping pads for this scopes equipment. Confirm adequacy of existing pads schedule for reuse. If these pads must be made larger, include that work in this scope.
  48. Coordinate all work with the reflected ceiling and structural drawings. The architectural plans shall take precedence.
  49. This bid package shall include in their base bid all costs associated with participating in the MEP Coordination efforts as described in "01 32 50 – BIM Coordination", including BIM Modeling for all fire suppression, plumbing, mechanical in coordination with framing, superstructure, electrical and food service equipment.
  50. Meyer Najem will lead the BIM efforts and coordination meetings.
    - i. Each trade shall have their own drafter; both Plumbing and HVAC
  51. Coordinate all shutdowns with the Construction Manager along with the school 48 hours in advance of shut down starting. If school operations or if work by other Bid Packages cannot accommodate the shutdown, said shut down will need to occur on a weekend or after hours. All overtime to be included in this bid package.
  52. During construction, this contractor shall perform pressure testing of all piping systems (minimum 1.5 times working pressure or as specified – whichever is greater). All tests shall be witnessed by the Construction Manager and test reports and documentation shall be created by this contractor. Include such reports in on-site binders along with all permits, inspections, and testing procedures immediately after test are performed. Provide as-built drawings of system/piping being tested with each test report outlining the section of piping tested.
  53. No layout markings are permitted on sealed concrete floors. Reference finish drawings for sealed concrete locations.
  54. Furnish access doors and frames required for this Bid Package and not shown on the drawings. Installation for access panels by this bid package is to be by the General Trades package.
  55. Cut holes/openings in acoustic ceiling tiles and install for own work (inclusive of any sub-contractor's work). Ceiling tiles to be provided by others.
    - i. This Bid Package will be responsible for any damaged ceiling tile after the above ceiling inspection and after ceiling tiles have been dropped.
  56. While the General Trades will be performing firestopping and fire caulking, this bid package will be responsible to confirm that all penetrations are ready for fire caulking. If any penetrations are added after fire caulking or firestopping is complete in each area, this bid package will be responsible for labor, materials, and equipment associated with firestopping these added penetrations.
  57. Seal all interior and exterior wall / ceiling penetrations.



58. Penetrations in exposed areas to have escutcheon rings installed to fully cover the penetration hole.
59. After removing piping, duct, and equipment, patch all holes, penetrations and openings with materials matching adjacent surfaces.
60. If this contractor requires structural member for support of pipe hangers, etc. and cannot hit nearby joists or beams, it shall be this contractor's responsibility to provide and install secondary supports, as approved by the project structural engineer and per the material data requirements for a complete and secure installation.
61. Provide all tests required for this Scope of Work. All tests are to be witnessed by the Construction Manager. Final test and balance to be performed by the owner.
62. Include all demolition indicated on the Mechanical drawings and indicated or implied by other drawings/documents.
63. Include cutting and capping of systems when required.
64. Provide and install the natural gas system complete per the drawings and specifications. Provide and install all indicated plumbing fixtures and equipment as scheduled on drawings.
65. Refer to Food Service Drawings and include all plumbing and HVAC work indicated.
66. In wall rough in for temperature controls will be provided by the electrical contractor where indicated. Additional pathways shall be provided by this trade. This trade shall also provide all devices, cabling and copper required for a complete operational Temperature Controls System.
67. Provide all demolition and removal of existing temperature controls devices and cabling/wiring.
68. Ceiling removal shall be by others. Demolition of all ductwork indicated, HVAC equipment, plumbing fixtures and piping, and all grilles/registers/diffusers etc, to be by this scope. Include all scope on MD201, MD301, and similar.

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**Work Excluded:**

1. Caulking of plumbing fixtures.
2. Test and Balance (TAB) of plumbing and HVAC systems.
3. Patching of existing walls, unless required by remedial work caused by this trade. Coordinate opening sizes and locations with Construction Manager.

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**Addendum 2 – 02/28/2024**

69. Contractor to provide all sawcutting, demolition, and re-pouring of slabs required for installation of work. Slabs to be finished and free of any major defects, for flooring re-installation by bid package 06 General Trades.

**END OF BID PACKAGE #12 – MECHANICAL / PLUMBING**

**BID PACKAGE #13 – ELECTRICAL / TECHNOLOGY**

**Scope Specific Inclusions:**

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Division 26 Complete	Electrical
Division 27 Complete	Communications (see notes below)
Division 28 Complete	Electronic Safety and Security (see notes below)

Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. Include a Payment and Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the General Scope Items above “Applies to All Bidders”.
3. All scope of work indicated, implied, or required by the electrical drawings and specification sections 26, 27 and 28. Reference notes below. Specifically include all outlined on E001-E005.
4. Electrical scope items and related scope indicated on architectural, civil, HVAC, plumbing, fire protection, structural, and other contract documents. Other than as outlined in the exclusions section below.
5. Provide all demolition, as applicable, for your scope of work. This includes the traditional “cut, cap and make safe” scope as well as dropping items and removing them from the building to the dumpster (dumpsters by others). This project requires a systematic removal of these items in a manner that ensures consistent and continuous operations, so this work shall be coordinated by this trade.
6. Make-safe, cut, cap, and drop all electrical, communications and low voltage items that need to be removed. (tag items for removal) Include any pertinent in wall demo for items in walls that remain. Any removals from walls that remain shall be cleanly cut from stud to stud to allow for a clean drywall patch. Coordinate the phasing of all electrical demo in a manner that keeps all building systems online during construction. Make any temporary connections or work-arounds to maintain functionality of all active non-construction building areas
7. Provide all machine and hand excavation, backfilling, and **spoil removal** as required for the proper completion of the Work. Backfill material installed must be in accordance with the applicable sections of the Contract Documents.
8. Trenching, encasement and backfill of any conduit or electrical systems, as required.
9. Provide maintenance and service of all equipment and systems provided per Scope of Work from the time it is put into service, during construction, and until acceptance by the Owner. Warranty will take effect with acceptance by the Owner in accordance with the Certificate of Substantial Completion. Extended warranty shall be provided for all equipment used during construction.
10. Furnish and install all sleeves and embeds situated within foundation walls, slab on metal deck as required for the Electrical Scope of Work
11. Perform all required testing in the presence of the Architect, Engineer, Construction Manager, and other authorities having jurisdiction, if requested. Testing shall be performed by floor or zone as the Project progresses. Subcontractor shall provide adequate manpower during testing to monitor all life safety, mechanical, and temperature control systems component being tested as they relate to the Electrical System.
12. Provide fire rated backing or blocking and required supports for your Scope of Work. In-wall blocking and plywood backing that are specifically indicated on the architectural drawings are by others.
13. Provide conduit and final connections for Owner furnished equipment if indicated in contract documents (specifically including equipment or vendor drawings)



14. Out-of-sequence work if required by the Construction Manager to permit the coordination of work of other contractors. This specifically includes, but is not limited to, the phased, partial installation of duct and pipe to allow studs and drywall Work to be place in areas of congestion.
15. Provide all touch-up painting of this Work as required for the proper completion and final acceptance of the Work.
16. Install flashing, counter-flashing, and/or sealant at all penetrations of Electrical System components through the exterior wall system and/or waterproofed areas unless same is specifically shown to be provided by another contractor. All roof penetrations shall be sealed by the Roofing Contractor during the initial roofing installation. Coordinate these installations accordingly.
17. All miscellaneous supports for piping and equipment, risers, etc. required for the proper completion of the Electrical Scope of Work. Structural framework and supports provided by others is limited to that specifically shown and indicated on the Structural Drawings.
18. All light fixtures shown and as coordinated between the architectural and electrical drawings, and the ceiling subcontractor's adjoining work, including related accessories per plans and specifications. This Work includes all necessary miscellaneous supports, cables and proper ceiling interconnections for the support and systems interface with the work specifically shown to be provided by others. No additional costs shall be incurred by the Project as a result of coordination of light fixtures between the Architectural and Electrical Drawings.
19. Provide power to a junction box for all electric door hardware and operators required by the plans/specs, i.e. the Door Schedule, whether or not same is depicted by the Electrical Drawings. The connection to the door hardware, provided by others, will be by the Electrical Subcontractor. Remote mounting and conduit and wire for remote controls are also by Electrical contractor. Include transformers as required.
20. Installation of push pads for door operators where shown, furnished by others.
21. Powering and connection of door operators.
22. Testing required for this scope.
23. Installation of all OFCI and food service equipment that is hardwired as outlined or implied on the documents.
24. Unistrut and other supports required by this Subcontract.
25. All electrical equipment pads and any required grouting of equipment bases, with the exception of the relocated transformer pad, which will be supplied by others.
26. Any sawcutting and reparations required to install any under slab systems.
27. Installation of any hardwired HVAC equipment (loose VFDs, etc.). Provided by others.
28. Line voltage Electrical required for the fire protection systems.
29. OSHA minimum lighting during construction.
  - i. Provide, install, and maintain UL-Listed, NEC-compliant, and OSHA-compliant temporary lighting for 5-footcandle illumination during construction activities.
30. Power distribution throughout the building for use by other trades. Turtle layout and placement shall be coordinated with Site Superintendent prior to executing this work.
31. Power for Construction Manager's trailer, including any applicable equipment, for the duration of the project. A minimum 200A service shall be provided.
32. Temporary power for the construction site, including any applicable equipment. Adequate service size shall be provided to power temporary lighting, construction equipment (no permanent hoist or tower crane will be utilized) and temporary distribution for use by all trades.
33. Removal of all temporary electric items shall be coordinated with the Site Superintendent.
34. Conduit and equipment labeling as defined in the specifications.
35. All special systems as outlined in the specs. Coordinate this work with applicable trades and stakeholders.
36. Phasing of scope of work and any necessary as required by the customer and Construction Manager.
37. A complete submittal / sample for all systems requiring labeling (both numbers and / or text) shall be submitted, reviewed, and accepted by the owner prior to final label application. This includes valve tags, receptacle circuit labels, panel labeling, and any system using room numbers.
38. Lock-out / tag-out safety precautions must be followed on all new panelboard work. During shutdowns lock-out / tag-out is required.

39. All casework mounted lighting, outlets, etc. and any other lighting/devices mounted to architectural items. All raceways, poke-thrus, whips, etc. are included.
40. Include any architectural trim associated with light fixtures, specifically at coves.
41. Include marking tape above all utilities as specified.
42. **Provide BIM modeling.** Incorporate overhead ceiling coordination drawings that identify routing for Fire Suppression, Plumbing, Electrical and HVAC. Routing of individual systems shall be provided per the approved coordination drawings and any variances that arise the subcontractor that has deviated from the approved coordination drawings will be responsible for any costs associated.
43. Contractor shall coordinate with Plumbing and HVAC contractors for electrical connections and infrastructure required within Specification Divisions 21, 22, and 23.
44. All concrete housekeeping pads required for this Scope of Work to be provided by this Bid Package.
45. Provide all access panels for all scope items as required. Access panels will be installed in drywall and CMU partitions by others.
46. A working fire alarm system must always remain operational in occupied areas of the building and/or as directed by the Construction Manager.
47. Provide power and connections to all equipment / furnishings indicated, including plumbing, mechanical and architectural contract documents.
48. Coordinate fire alarm panel labeling with Construction Manager as well as local Fire Department.
49. This contractor shall coordinate with the Owner and the local utility for all electrical and fiber optic tie-ins. Fiber optic service into the building is by others.
50. Refer to and include all General Notes as listed on the Electrical, Telecommunications and Fire Alarm Drawing.
51. Provide (PA) public address scope, complete. Coordinate with existing infrastructure and manufacturer and vendor requirements.
52. Provide all J-Hooks and pathways for all Special Systems and Low Voltage infrastructure.
53. This Bid Package shall be responsible for ensuring that the Fire Alarm and PA System are always actively tied in for occupied spaces. This Bid Package shall also be responsible for ensuring and testing this function prior to handover of each unique phase of the project, prior to hand over. By the time the project is done, the Fire Alarm and PA System shall be in working condition throughout the school in unison. Coordinate with Meyer Najem and the Owner on this sequencing.
54. Include cutting and patching of slabs, walls and ceilings as required for installation of scope as indicated on the contract documents.
55. Provide and install all required grounding for systems.
56. Seal all interior/exterior ceiling and wall penetrations.
57. Provide sleeves for all piping and conduit penetrations thru partitions and/or full height walls, foundations, floor, and roof, whether shown or not. Holes or access through previously constructed foundations, walls, floor, or roof to be core drilled, drilled with a hole saw or cut and patched by this contractor. Maintain indicated fire rating of substrate at pipe penetrations. Provide sleeves and conduit(s) stubs outside of building foundations as required for incoming secondary power, generator power, fire alarm PIV, grounding loop wire, telecommunication incoming lines, telephone / fiber optics and site lighting/power. Coordinate sleeves install with the Building Concrete Contractor no less than 72 hours prior to concrete being placed.
58. Where conduits pass below concrete or asphalt roads, parking lots, or drives this contractor shall furnish and install sleeves as necessary to allow for installation and removal.
59. Provide and set all sleeves with water seals required for penetrations through concrete foundations. Coordinate with Building Concrete Contractor no less than 72 hours prior to concrete being placed.
60. PVC Conduit shall be bent using a hot box. Using open-flame methods to heat and then bend conduits are not acceptable.
61. Provide / cut holes in roof sheathing for materials passing through roof and make ready for roof insulation, prior to roofing being installed. This contractor shall be responsible for coordination with the roofing contractor to ensure a watertight system.



SECTION 01 12 00  
BID PACKAGES (SCOPES OF WORK)

62. Provide all excavation and backfill with approved and specified granular materials, both for exterior and interior of building, for own work (power, lighting, data, and systems conduits). All **excess spoils to be hauled off-site** by this scope.
63. Provide site dewatering for work within this bid package as to not delay the construction schedule. Refer to Geotechnical Report for water table elevations. Include well points as required to complete your scope of work.
64. Provide all concrete housekeeping/transformer pads and concrete pole bases for Electrical scope of work, as outlined in this Bid Package, as shown and or required for a complete system.
65. Provide and install hangers and supports per the documents as required and per code for this Electrical scope of work, including Unistrut for all equipment requiring supports for a complete installation.
66. If this contractor requires structural member for support of conduit / pipe hangers, etc. and cannot hit nearby joists or beams, it shall be this contractor's responsibility to provide and install secondary supports/ bridging, as approved by the project structural engineer and per the material data requirements for a complete and secure installation.
67. Coordinate with BP05 – Structural Steel for angle iron frames where required for wall, floor, and roof openings.
68. Provide putty pads where required by code, in rated assemblies or as required for sound/acoustics.
69. Contractor shall reference and include directions and instructions as outlined in specification section 01 50 00 – Temporary Facilities for temporary power and temporary lighting requirements during construction.
70. This Bid Package shall expedite the submittals, procurement, installation and start-up of the main electrical gear, main electrical service, generators, and transfer switches to allow for mechanical equipment start-up. This includes all housekeeping pads, underground raceways, above ground raceways, conductors, specified in project documents, inclusive of all excavation/trenching, conduit wiring and reinforced concrete pole bases.
71. Coordinate lighting layout terminations, and testing. This shall not relieve this contractor from furnishing temporary facilities in accordance with 01 50 00 – Temporary Facilities Matrix. Coordinate underground conduit elevations with Bid Package 07 – Sitework. Conduit is expected to be located out of the way of underground utility piping and accessories.
72. Provide and install a complete power system including all devices, mechanical rough-ins, panels, switchgear, distribution, disconnects, etc. per drawings, specifications and requirements.
73. All conduits (interior and exterior) shall be installed with pull strings and located with dimensions off physical landmarks that will be visible once all work is complete. Note dimensions on as-built documents.
74. Shut down requests are to be submitted and coordinated with the owner as well as Meyer Najem 48 hours prior to the shutdown beginning. In the event the shutdown is not approved, the scheduled work must take place afterhours or on a weekend. Overtime for this work shall be included in this bid package. Shutdowns that will impact other trades shall be coordinated no less than two (2) weeks in advance with the Construction Manager and the Owner.
75. Panel schedules shall be installed in panels prior to punch. Existing panels that have circuits added, removed, or changed in anyway will require an updated panel schedule to be installed.
76. Contractor is responsible for creating a layout drawing with dimensions off structural grid lines locating roof openings. The roofing contractor will sign off on the location to confirm no items interfere with the taper system. Steel contractor to install all framing per mechanical contractor's layout drawings.
77. No layout markings are permitted in areas with an exposed concrete slab as the final finish. Reference finish drawings for location of finished concrete floors.
78. Refer to sections 11 23 00 and 11 31 00, review equipment schedules and include electrical requirements listed for equipment items. This contractor shall cross-reference construction documents between the food service and Electrical drawings prior to proceeding with work. If there are inconsistencies, this contractor shall submit an RFI to the Construction Manager for clarification. If this contractor fails to do this, no additional monies will be paid to the Contractor for re-work.

SECTION 01 12 00  
BID PACKAGES (SCOPES OF WORK)

79. This bid package shall install, wire, and test all flows, tampers, etc. provided by other bid packages (specifically fire protection)
80. This bid package shall include floor protection at locations where using equipment which could leak fluids and stain floor below. If staining occurs, electrical contractor to take all steps necessary to remove stain at no cost to owner.
81. This bid package is to verify power requirements of equipment prior to beginning the work.
82. Provide installation, complete, for all external VFDs.
83. This bid package shall furnish and install any disconnects required for a code-compliant installation of all equipment. This bid package shall cross reference the Contract Documents and submittals for equipment furnished by other contractors to determine the extents where disconnects may not be depicted but required for a complete installation.
84. This bid package shall request all submittals from the Construction Manager that affect their scope of work to cross reference power requirements versus what is shown on the Contract Documents.
85. Provide electrical/system hook-ups for fire/smoke rated dampers in rated partitions as required. Refer to mechanical and life safety drawings for location of dampers and rated walls for coordination, respectively.
86. All patch cords and cabling to be provided and/or installed per the specifications.
87. Provide all fire treated wood wall sheathing required as back-up boards, including but not limited to electrical panels, switchgear, phone, and data boards, etc. at locations indicated on the drawings and/or required by code or standard electrical means and methods and specification section 06 16 00.
88. Contractor to be responsible for coordination and integration of all systems, equipment, lighting, etc. that becomes part of the Building Management System.
89. Sitework has included lime stabilization of the site, per the engineer's recommendation. This contractor shall include costs associated with the means and methods required for excavation and/or trenching and backfill of the lime stabilized soils to install footings, conduits, piping, etc. NO additional monies will be provided for failure to do so.
90. Note: all underground work requiring saw cutting shall include layout, sawcut, remove, perform work, and pour back to an agreed upon elevation as coordinated with the finished flooring material.
91. Contractor must be present on site for all instances of rough in within masonry walls, including six (6) Day Work Weeks as required.
92. This bid package shall include mounting hardware and supports for all mounted projectors.
93. Where electrical items are to be installed above decorative/open ceiling systems and are exposed to view, all materials are to be installed in a finished manner to accept paint. All cabling installed above these ceilings must be installed in conduit.
94. Cut holes/openings in acoustic ceiling tiles and install for own work. Ceiling tiles to be provided by others
  - i. This Bid Package will be responsible for any damaged ceiling tile after the above ceiling inspection and after ceiling tiles have been dropped.
95. Fixture lamps that are dimmed or failed shall be replaced at substantial completion.
96. Fixtures and equipment shall be final cleaned, touched up and adjusted prior to substantial completion and just prior to punch list as coordinated with the Construction Manager.
97. This Bid Package shall make available their designated field representative during any inspections by the Authority Having Jurisdiction as deemed necessary by the Construction Manager.
98. This Bid Package and applicable subcontractors shall participate in occupancy testing as deemed required by the construction manager, including comprehensive pre-testing of all systems and electrical components. Additional time for multiple visits must be included to validate all special systems to the satisfaction of the Construction Manager including electrical distribution testing and validation of the generator sets and paralleling gear and/or transfer switches as required.
99. This Bid Package shall include the cost for off-hours work for shutdowns, tie-ins, or any other work that could interfere with the work of other Prime Contractors or the Owner's Operations.
100. This Bid Package shall furnish and install the rough-ins indicated for temperature controls. This Bid Package shall provide 120V power to all temperature control panels, 120V temperature



- control devices, and temperature control transformers. Reference also M-series drawings for locations. If no location is shown, subcontractor to coordinate with the HVAC contractor for location.
101. All devices shall have circuitry clearly identified per the Contract Documents. This includes panels, disconnects, wiring devices, etc. All electrical distribution equipment shall be tagged with phenolic resin tags.
102. All permanent panel schedules shall be installed by the time of Final Inspection.
103. By submitting a bid, this contractor acknowledges that they will participate in the below punch list procedure:
- i. Approximately four weeks from substantial completion the Construction Manager will perform a punch list walkthrough. These items are meant to minimize the number of items that may or may not be found on the final punch list walkthrough. All items identified in the Construction Manager walkthrough must be corrected no more than two (2) weeks following the issuance of the punch list.
  - ii. As scheduled, a final punch list walkthrough will be scheduled with the Owner and Architect. All items identified in the final punch list walkthrough must be corrected no more than two (2) weeks following the issuance of the punch list.
  - iii. Each Contractor's Field Representative must certify, in writing, to the Construction Manager when items are corrected. Failure to do so may result in delayed payment.
104. Provide generator pad/foundations.
105. This contractor shall be responsible for the fuel required to test and demonstrate the provided generator both for the Owner and as required for the local inspections. After the testing is complete the contractor shall provide the initial complete FILL of the fuel tank, prior to turning over to the Owner.
106. Contractor to coordinate with utility company and MNC schedule for the relocation of utility transformer (note 13). It is the responsibility of this bid package to provide conduit and a pad as indicated for the new transformer.
- 

**Work Excluded:**

107. Wood blocking and plywood that is specifically shown on the architectural drawings. Any means and methods, items, or supports/blocking/backing that is not shown on the bid documents shall be provided by this Subcontractor if required.
108. Utility fees and consumption.
109. The following items shall be provided by the Owner:
110. Televisions / Monitors (provide rough-in per E5xx series drawings)
- i. Projectors (provide rough-in per E5xx series drawings)
  - ii. Classroom AV equipment and HDMI cabling (provide rough-in per E5xx series drawings)
111. Work by the Owners vendors as defined in the specifications.
112. Interconnection low-voltage wiring of door hardware.

**Addendum 2 – 02/28/2024**

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113. Contractor to provide and install all power, data, and signage for monument sign as shown on 12/A350OB.

**END OF BID PACKAGE #13 – ELECTRICAL / TECHNOLOGY**



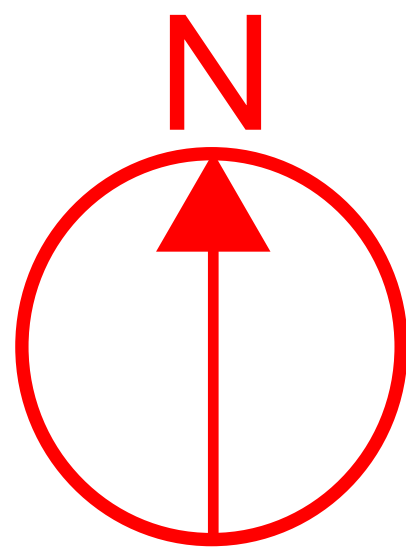
# Hamilton Heights - Phase 2 Projects

## Construction Management GENERAL NOTES and Index

### SHEET INDEX:

CM-00 Construction Management GENERAL NOTES and Index  
CM-01 Overall Phasing Plan Timing  
CM-02 April 22, 2024 - July 31, 2024 - Site Logistics  
CM-03 August 1, 2024 - October 27, 2024 - Site Logistic  
CM-04 October 28, 2024 - December 29, 2024 - Site Logistic  
CM-05 December 30, 2024 - February 23, 2025 - Site Logistic  
CM-06 February 24, 2025 - April 13, 2025 - Site Logistics  
CM-07 April 13, 2025 - July 31, 2025 - Site Logistics

\*\*Reference Milestone Schedule in Front End Documents for exact timing of construction activities. Milestone Schedule supersedes date shown on the CM Drawings.



### GENERAL NOTES:

1. The construction set of documents supersedes the information shown on these phasing plans.
2. Notify the Construction Manager if a partition is unable to be installed where shown on these drawings due to field conditions. Prime Contractor shall re-locate/modify at Construction Manager's discretion at no cost.
3. Protect all finishes and other items to remain. Where damage occurs, patch and repair or otherwise restore to its original or better condition.
4. Temporary partitions are to be installed in accordance to the project schedule needs and direction of the Construction Manager.
5. All applicable building codes shall be followed.
6. All temporary facilities constructed for this project are to be fully removed and any damages repaired or otherwise restored to original or better condition in the time frame allotted by the Construction Manager.
7. Modifications to the noted temporary facilities may be required for specific scopes of work. The scope of work requiring the shifting, removal, etc. of the temporary facility/partition shall be responsible for the put back of the temporary facility in similar and acceptable fashion when work is deemed complete or security/safety measures required. This will be done at no cost to the Owner.
8. All materials utilized for temporary facilities must be fire rated.

### Temporary Partition Types - ALL THE FOLLOWING BY BP#06 - GT Interior

- 3-5/8" 20 Gauge Steel Studs @ 16" O.C., 5/8" Gypsum Board on Both Sides of Studs, Fire Tape Joints and place full thickness sound attenuation blankets within cavities. Wall to be fully enclosed from grade to structure above. Sealing the wall off for dust in the responsibility of the installing contractor.

### Exterior

- 6" 18 Gauge Steel Studs @ 16" O.C., with Dense Board on Both Sides of Studs. Fire Tape Joints and place full thickness batt insulation within cavities. Minimum of R-19. Wall to be fully enclosed from Grade to Structure above. Where applicable top/end of walls shall be draped with fire rated reinforced visqueen for water management. Further means of sealing joints/gaps/ends/etc. shall be the responsibility of the installing contractor to ensure a weather tight installation.

### Door Hardware

- ADA Compliant, Exterior Grade Hardware. Door swing shall NOT impede egress. All hardware to be "Best" cores keyed alike and keys to be provided to the owner and CM Staff. Closures Required.

### Single Door

- 36" x 84" Exterior Grade Hollow Metal Doors with Knockdown Frame

### Double Door

- 72" x 84" Exterior Grade Hollow Metal Doors with Knockdown Frame

### Barn Doors

- 96" x 120" Exterior Door Assemblies. Coordinate Materials with Construction Manager. Assembly must be insulated either from the manufacturer or in the field to maintain internal temperatures. Closures, etc. will also be assumed.

### Life Safety Notes:

1. To the greatest extent possible primary and secondary evacuation routes throughout the building shall not be impacted by temporary facilities/partitions. Installation and layout of partitions shall be coordinated and finalized in the field with the Construction Manager and advisement of the Fire Territory.
2. When temporary partitions are necessary within hallways it is required that the layout must accommodate a minimum of 4'-0" of clear space on either side of the temporary partition for safe egress.
3. No construction materials, equipment, debris, etc. shall be allowed to impede travel pathways for egress. Contractors found guilty of impeding traffic patterns both on the inside of the facility or externally for safety vehicle access will be held liable and also be subject to back charges in the event outside resources are required to clear space for internal egress or external access to the project site.

\*\*CM Plans are NOT to scale and shall NOT be scaled for bidding purposes. In the event a Prime Contractor chooses to scale the CM Drawings, they do so at their own risk and the Owner shall not be held responsible

\*\*CM Plans **MUST** be Printed in **COLOR** to understand the intent of the documents. Any contractor failing to print the CM Plans in Color will be proceeding at their own risk of bidding/installing incorrect work at NO cost to the owner to remedy for the actual intent.

\*\*Temporary Fencing indicated within the CM Drawings shall be provided and paid for by the **Construction Manager**. Fencing requirements above and beyond these shall be at the cost of the applicable contractor needing additional temporary facilities. In the event Temporary Fencing is needing moved, adjusted, etc. it is the applicable contractors responsibility for securing and ultimately putting it back in its originally state prior to the end of each business day.

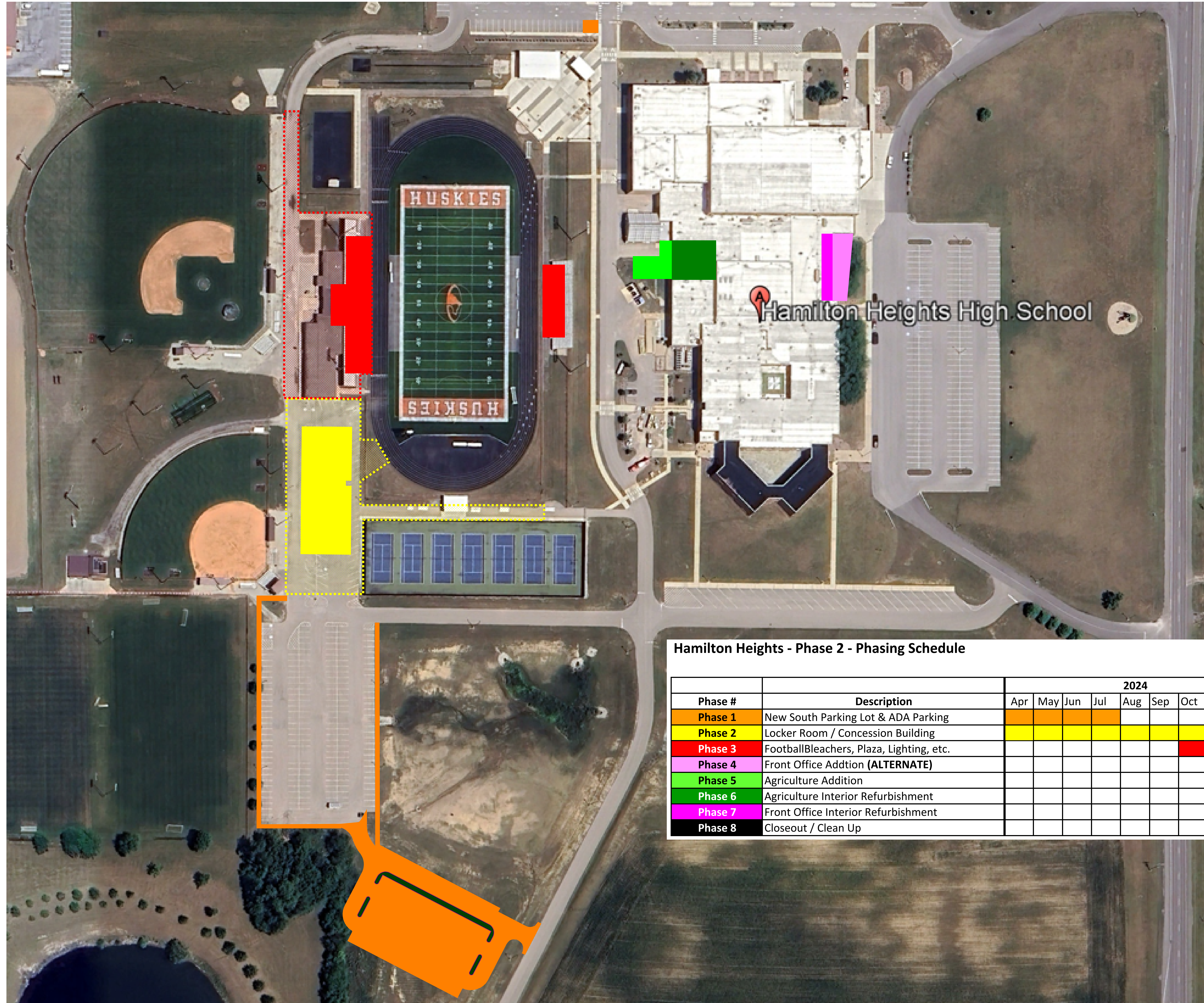
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DRAWING NUMBER <b>CM-00</b>
PROJECT NUMBER <b>2023060</b>





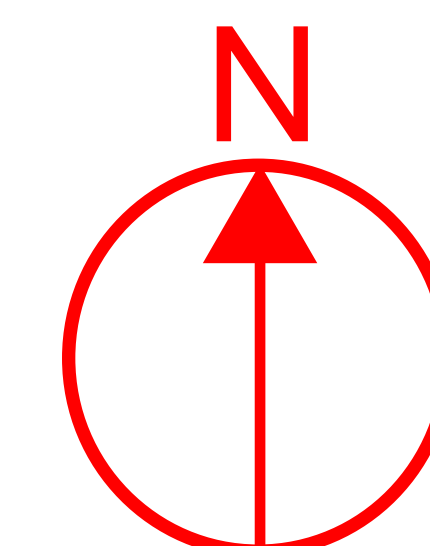
# Hamilton Heights - Phase 2 Projects

## OVERALL PHASING PLAN TIMING



Hamilton Heights - Phase 2 - Phasing Schedule

		2024										2025								
Phase #	Description	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Phase 1	New South Parking Lot & ADA Parking																			
Phase 2	Locker Room / Concession Building																			
Phase 3	FootballBleachers, Plaza, Lighting, etc.																			
Phase 4	Front Office Addtion (ALTERNATE)																			
Phase 5	Agriculture Addition																			
Phase 6	Agriculture Interior Refurbishment																			
Phase 7	Front Office Interior Refurbishment																			
Phase 8	Closeout / Clean Up																			



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DRAWING NUMBER  
 CM-01

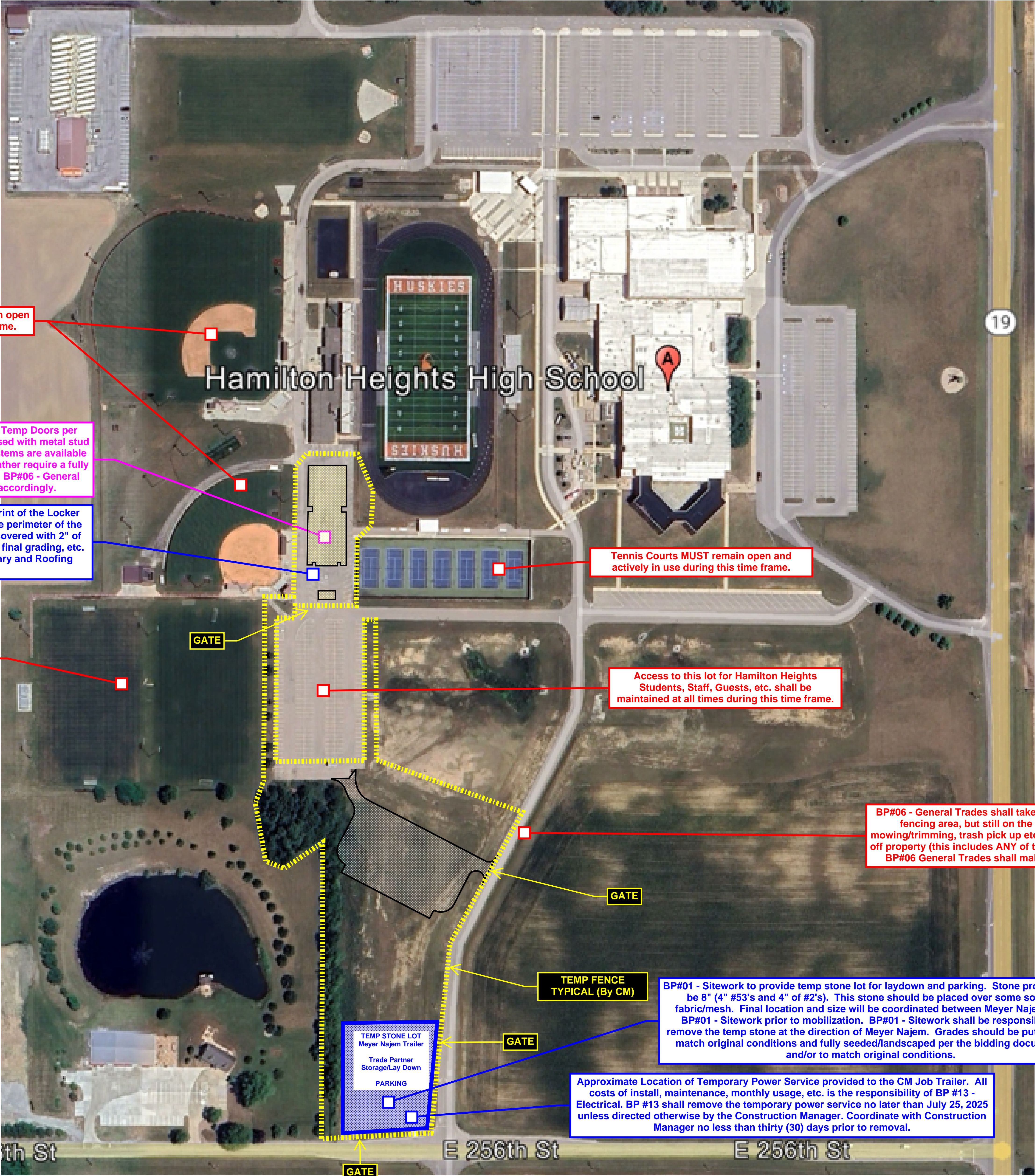
PROJECT NUMBER  
 2023060





# Hamilton Heights - Phase 2 Projects

## April 22, 2024 - July 31, 2024 - Site Logistics



Baseball and Softball Fields MUST remain open and actively in use during this time frame.

(BP#06 - General Trades) All Exterior Doors shall be enclosed with Temp Doors per CM-00. All Exterior Window and Storefront Elevations shall be enclosed with metal stud framing and dense glass on the exterior face until the permanent systems are available and/or directed to be installed by the CM. Should finishes and/or weather require a fully insulated assembly prior to the permanent systems being installed, BP#06 - General Trades shall be responsible for upgrading the temp openings accordingly.

BP#01 - Sitework shall provide temporary stone OUTSIDE the footprint of the Locker Room Building. This temp stone should be figured around the entire perimeter of the building and 20' in width. The stone profile shall be 6" of #2 Stone covered with 2" of #53's. BP#01 - Sitework shall remove stone prior to proceeding with final grading, etc. for new work. This should be assumed to be removed after Masonry and Roofing activities are completed.

Soccer Fields MUST remain open and actively in use during this time frame.

Tennis Courts MUST remain open and actively in use during this time frame.

Access to this lot for Hamilton Heights Students, Staff, Guests, etc. shall be maintained at all times during this time frame.

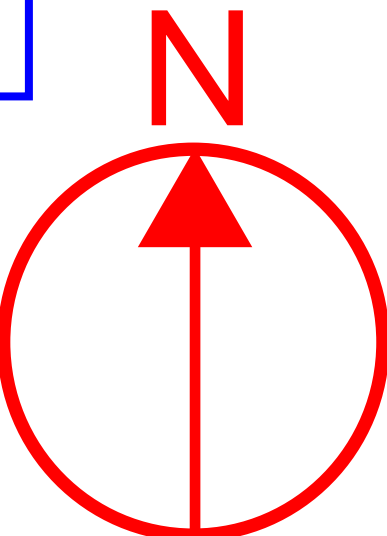
BP#06 - General Trades shall take special note that the Areas immediately outside the fencing area, but still on the property are required to be maintained such as mowing/trimming, trash pick up etc. Should obvious construction related debris collect off property (this includes ANY of the neighboring homes in any direction of the project) BP#06 General Trades shall make accommodations to remedy in a timely fashion.

TEMP FENCE TYPICAL (By CM)

TEMP STONE LOT  
Meyer Najem Trailer  
Trade Partner  
Storage/Lay Down  
PARKING

BP#01 - Sitework to provide temp stone lot for laydown and parking. Stone profile shall be 8" (4" #53's and 4" of #2's). This stone should be placed over some sort of fabric/mesh. Final location and size will be coordinated between Meyer Najem and BP#01 - Sitework prior to mobilization. BP#01 - Sitework shall be responsible to remove the temp stone at the direction of Meyer Najem. Grades should be put back to match original conditions and fully seeded/landscaped per the bidding documents and/or to match original conditions.

Approximate Location of Temporary Power Service provided to the CM Job Trailer. All costs of install, maintenance, monthly usage, etc. is the responsibility of BP #13 - Electrical. BP #13 shall remove the temporary power service no later than July 25, 2025 unless directed otherwise by the Construction Manager. Coordinate with Construction Manager no less than thirty (30) days prior to removal.



- Site Access & Work General Notes:**
1. At no point will any cars, trucks, delivery vehicles, cranes, etc... be permitted to park, stage, offload, or otherwise impede traffic on city/state roadways without coordinating with the Construction Manager and the City. Contractors shall include all costs necessary for permits, bonds, insurance, etc... should they need to block access to any roads. Contractors will be responsible for their own access to the site prior to temporary entrances being established.
  2. At no point will contractors be permitted to park in any of the adjacent neighborhoods and/or roadways.
  3. Contractors are advised that the City has noise ordinances that do not permit site or **exterior** work to occur between the hours of 10:00 PM and 7:00 AM. Any amendments to these working hours shall be coordinated with the Construction Manager, the City, and the Owner no less than two (2) weeks in advance. No monies will be exchanged for lost time, delayed schedule, remobilizations, etc... for failure to adhere to these requirements.
  4. Any work that needs to occur within easements, rights of way, etc... that require special permission, bonds, insurances, or notification shall have all provisions included in the base bid by the contractor who is performing the work.
  5. It shall be noted that each Prime Contractor and their applicable subcontractors must coordinate work associated with building tie in's, utility tie in's, work within the existing footprint of the school, or areas outside the construction fencing with Meyer Najem. Such work may be required to be performed off hours, evenings, weekends, etc. to accommodate the school day and or safety concerns with students/staff being immediately impacted by scope of work. No monies will be exchanged for said measures.

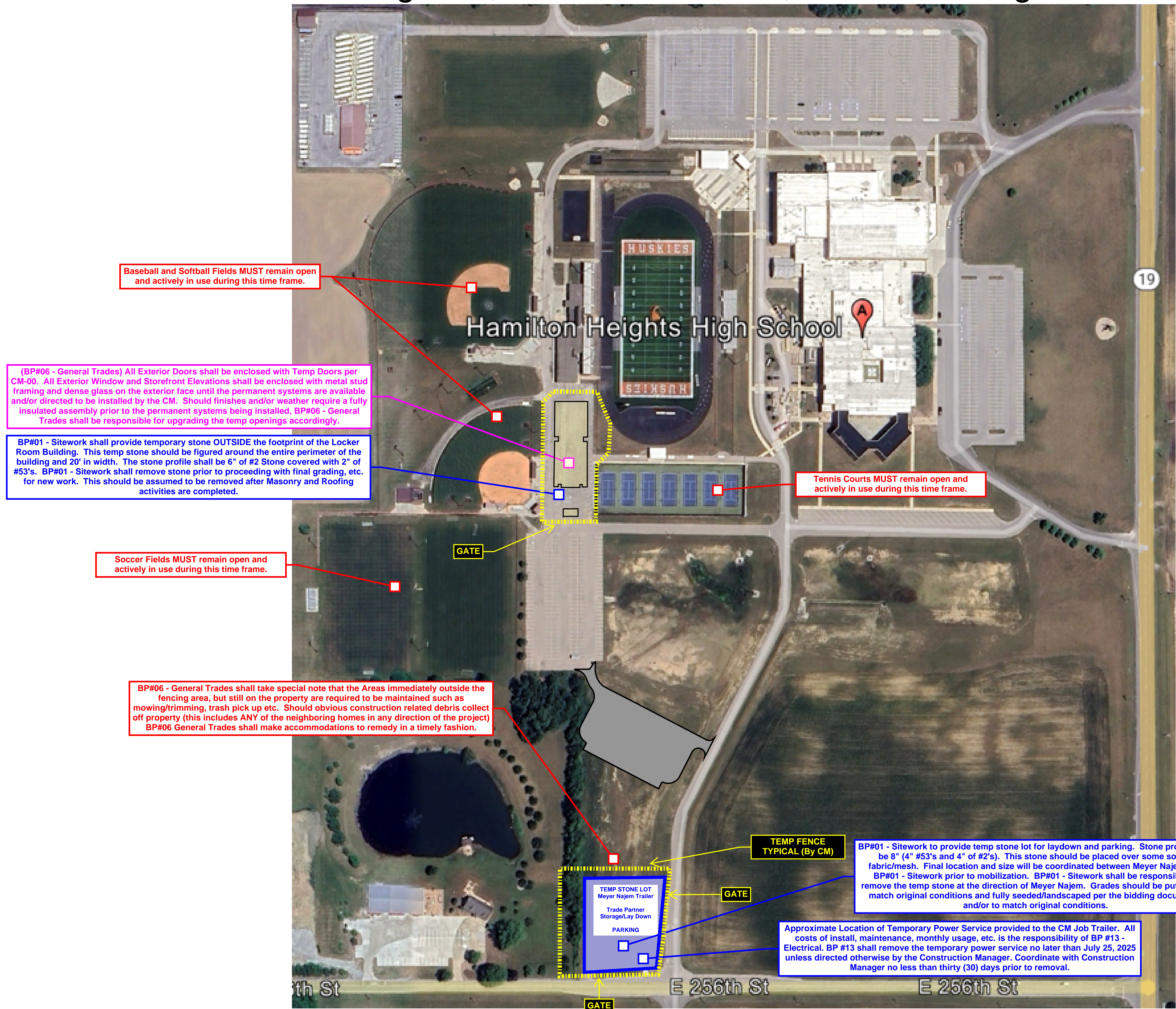
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DRAWING NUMBER <b>CM-02</b>
PROJECT NUMBER <b>2023060</b>





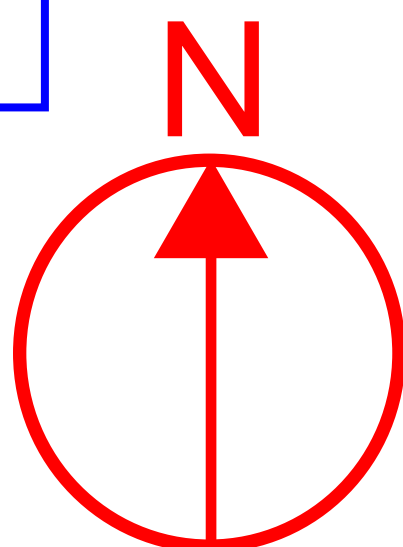
# Hamilton Heights - Phase 2 Projects

## August 1, 2024 - October 27, 2024 - Site Logistics



### Site Access & Work General Notes:

1. At no point will any cars, trucks, delivery vehicles, cranes, etc... be permitted to park, stage, offload, or otherwise impede traffic on city/state roadways without coordinating with the Construction Manager and the City. Contractors shall include all costs necessary for permits, bonds, insurance, etc... should they need to block access to any roads. Contractors will be responsible for their own access to the site prior to temporary entrances being established.
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5. It shall be noted that each Prime Contractor and their applicable subcontractors must coordinate work associated with building tie in's, utility tie in's, work within the existing footprint of the school, or areas outside the construction fencing with Meyer Najem. Such work may be required to be performed off hours, evenings, weekends, etc. to accommodate the school day and or safety concerns with students/staff being immediately impacted by scope of work. No monies will be exchanged for said measures.



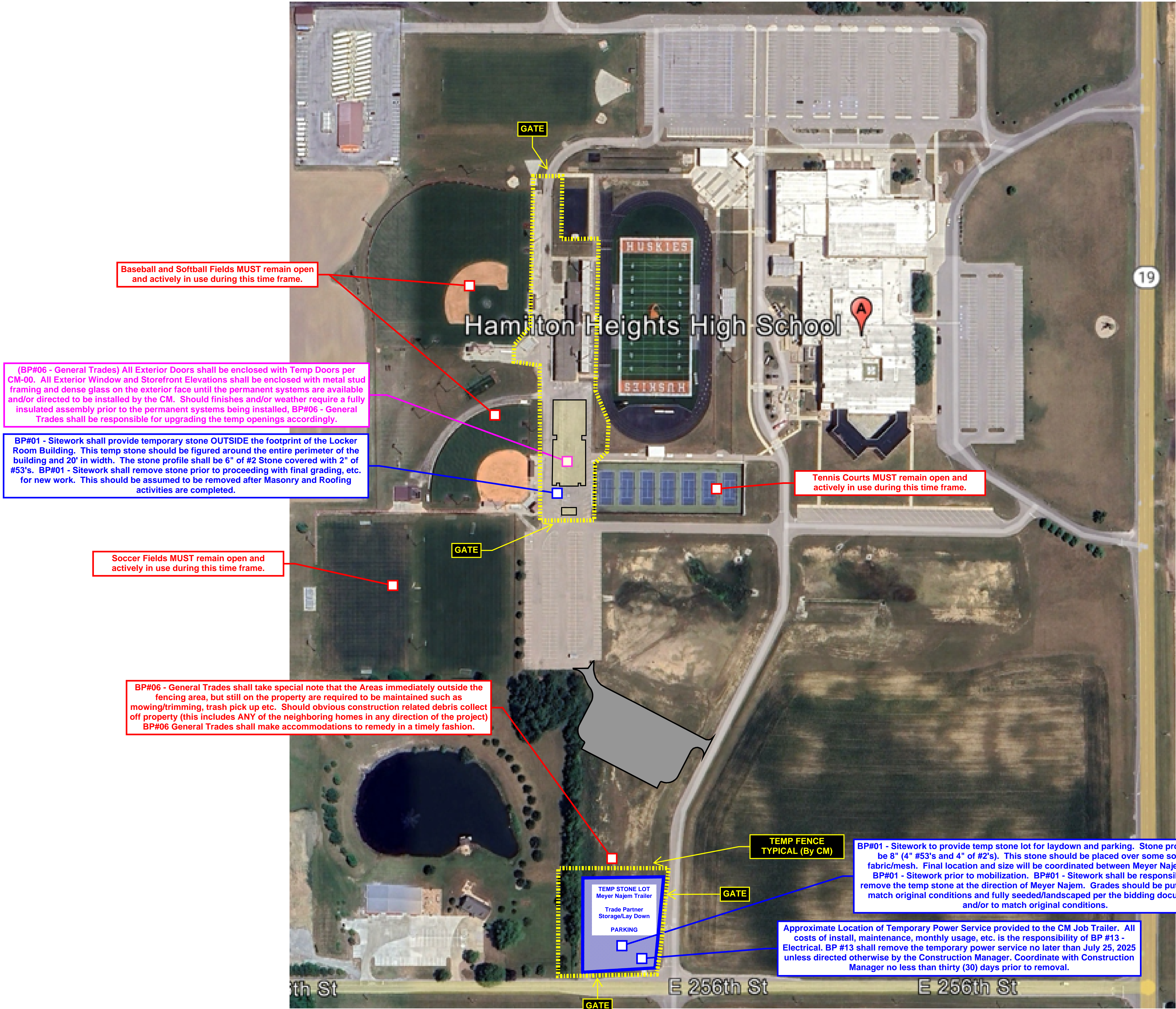
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DRAWING NUMBER CM-03
PROJECT NUMBER 2023060



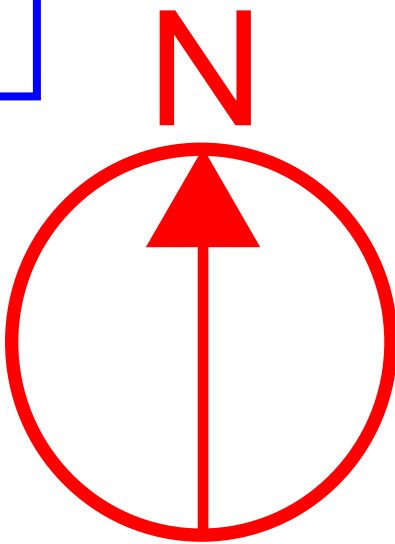


# Hamilton Heights - Phase 2 Projects

## October 28, 2024 - December 29, 2024 - Site Logistics



- Site Access & Work General Notes:**
- At no point will any cars, trucks, delivery vehicles, cranes, etc... be permitted to park, stage, offload, or otherwise impede traffic on city/state roadways without coordinating with the Construction Manager and the City. Contractors shall include all costs necessary for permits, bonds, insurance, etc... should they need to block access to any roads. Contractors will be responsible for their own access to the site prior to temporary entrances being established.
  - At no point will contractors be permitted to park in any of the adjacent neighborhoods and/or roadways.
  - Contractors are advised that the City has noise ordinances that do not permit site or **exterior** work to occur between the hours of 10:00 PM and 7:00 AM. Any amendments to these working hours shall be coordinated with the Construction Manager, the City, and the Owner no less than two (2) weeks in advance. No monies will be exchanged for lost time, delayed schedule, remobilizations, etc... for failure to adhere to these requirements.
  - Any work that needs to occur within easements, rights of way, etc... that require special permission, bonds, insurances, or notification shall have all provisions included in the base bid by the contractor who is performing the work.
  - It shall be noted that each Prime Contractor and their applicable subcontractors must coordinate work associated with building tie in's, utility tie in's, work within the existing footprint of the school, or areas outside the construction fencing with Meyer Najem. Such work may be required to be performed off hours, evenings, weekends, etc. to accommodate the school day and or safety concerns with students/staff being immediately impacted by scope of work. No monies will be exchanged for said measures.



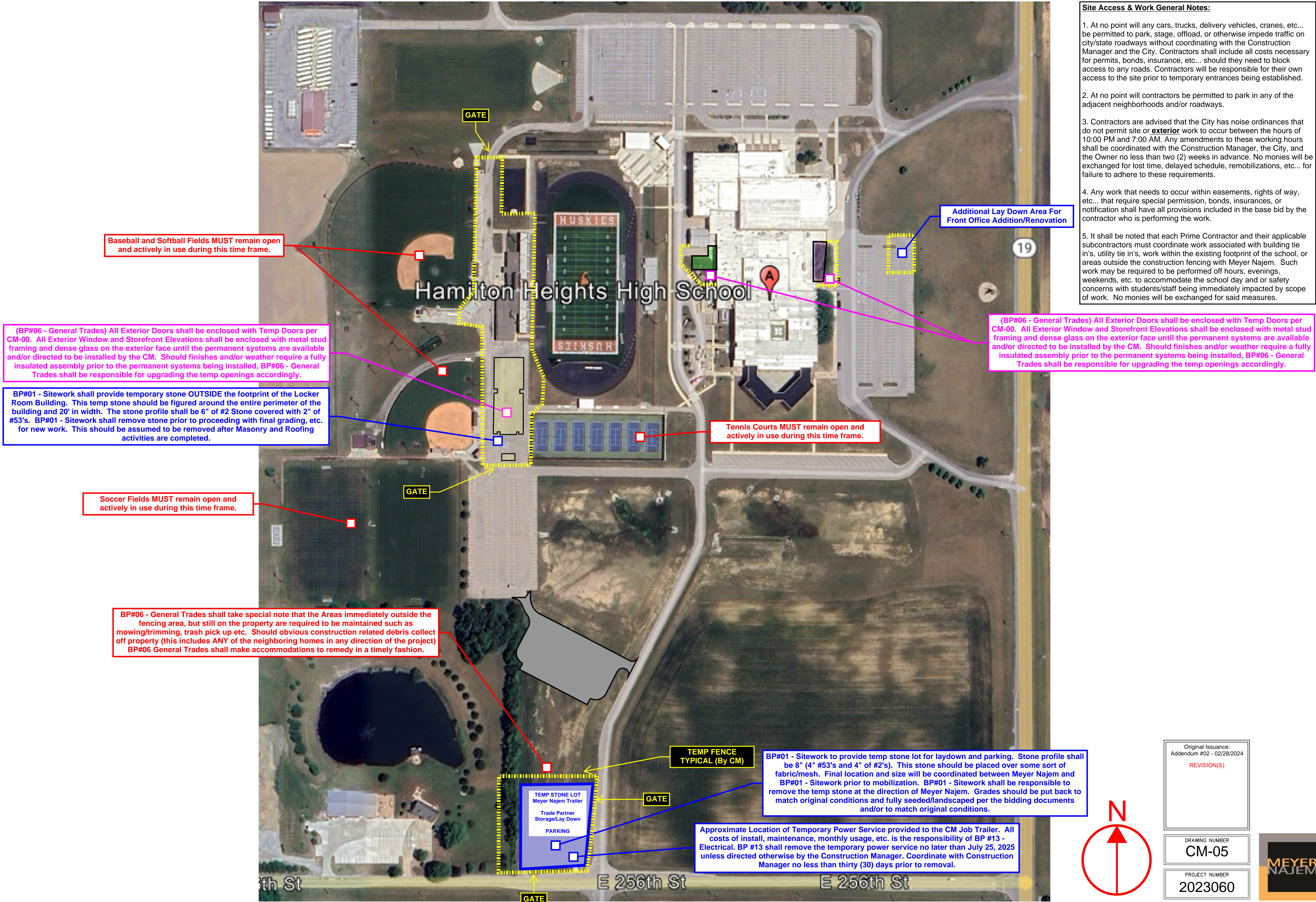
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PROJECT NUMBER <b>2023060</b>





# Hamilton Heights - Phase 2 Projects

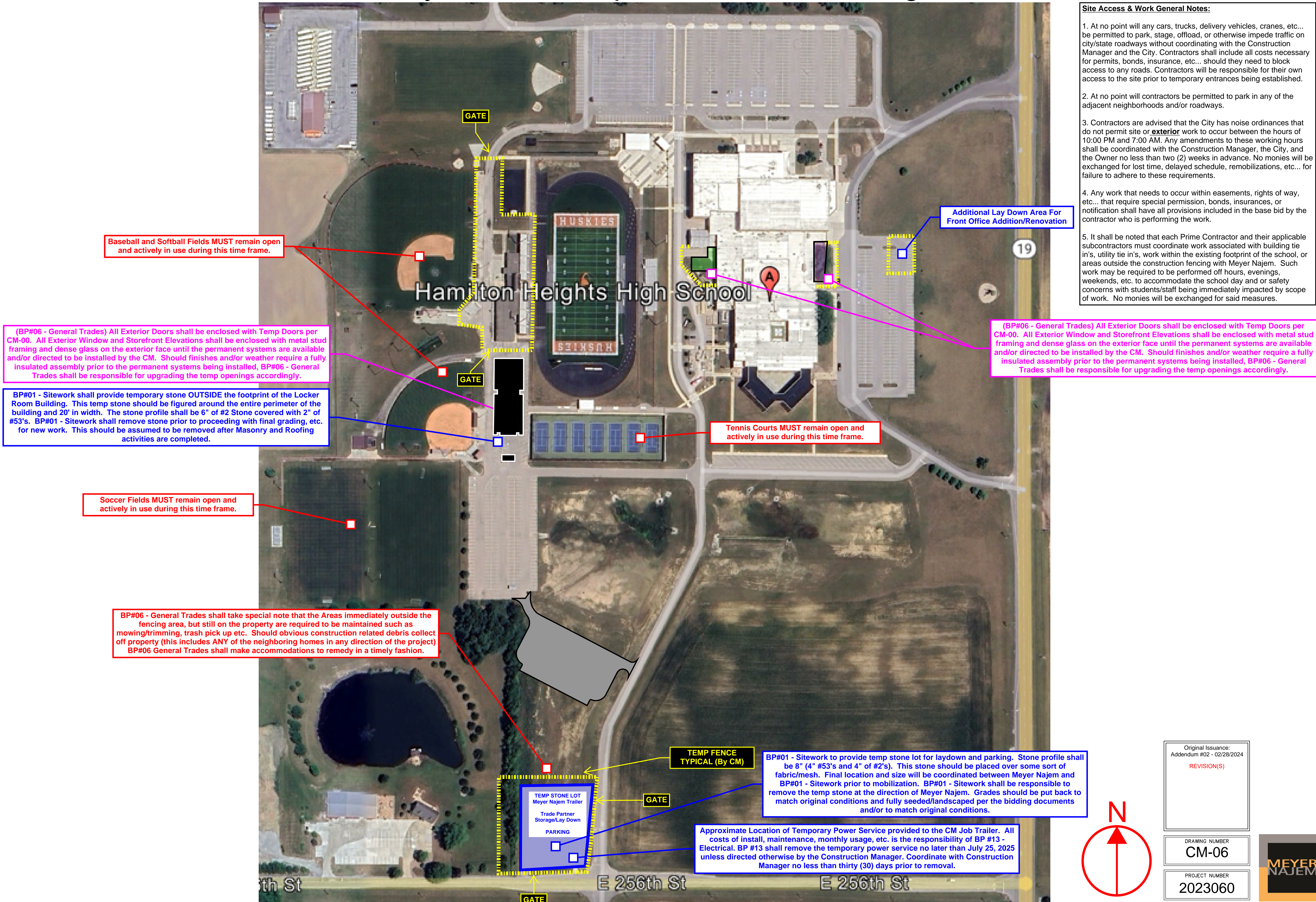
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# Hamilton Heights - Phase 2 Projects

## February 24, 2025 - April 13, 2025 - Site Logistics





# Hamilton Heights - Phase 2 Projects

## April 14, 2025 - July 31, 2025 - Site Logistics

