NOBLESVILLE SCHOOLS

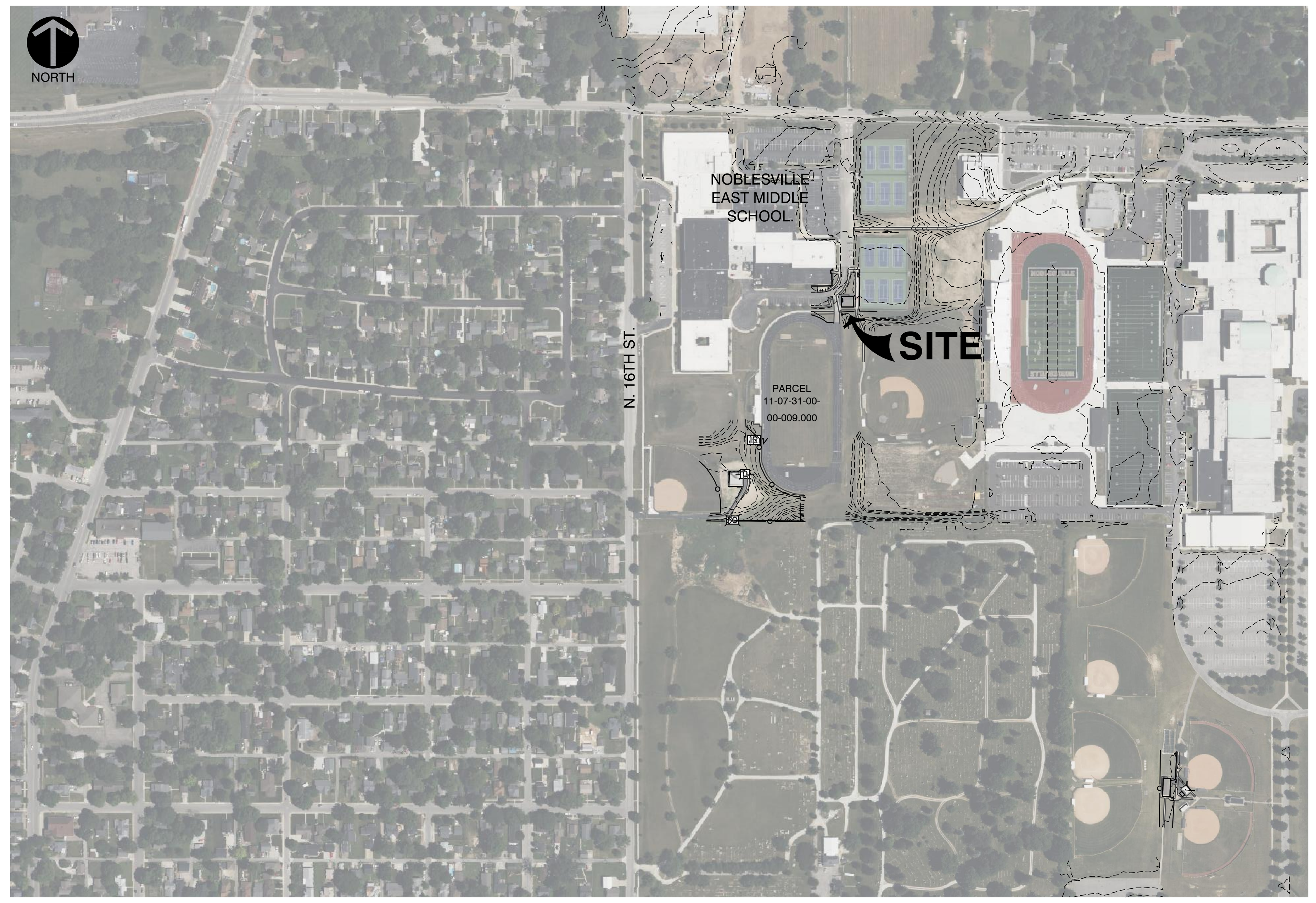
NOBLESVILLE EAST MIDDLE SCHOOL CONCESSION BUILDINGS

1625 FIELD DR., NOBLESVILLE, IN 46060

100% CONSTRUCTION DOCUMENTS

JANUARY 09, 2025

LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

Sheet List Table	
Sheet Number	Sheet Title
C000	TITLE SHEET
TOPO	TOPOGRAPHIC SURVEY
C100	DEMOLITION PLAN
C101	DEMOLITION PLAN
C200	OVERALL SETBACK PLAN
C300	GRADING PLAN
C301	GRADING PLAN
C302	GRADING PLAN
C400	DRAINAGE PLAN
C401	DRAINAGE PROFILES
C500	UTILITY PLAN
C800	SITE DETAILS
C801	SITE DETAILS
C900	STORMWATER POLLUTION PREVENTION PLAN
C901	STORMWATER POLLUTION PREVENTION PLAN
C902	STORMWATER POLLUTION PREVENTION PLAN
C903	STORMWATER POLLUTION PREVENTION NOTES
C904	STORMWATER POLLUTION PREVENTION DETAILS
	CITY OF NOBLESVILLE STANDARD CONSTRUCTION DETAILS

Structure Table				
Structure Name	RIM E.	INVERT IN	INVERT OUT	REMARKS
400	774.47	401 = 770.88		DOGHOUSE BOX STRUCTURE
401	773.82	402 = 771.25	401 = 771.15	TYPE A BOX NEENAH R-3405
402	772.97		402 = 771.60	CONCRETE END SECTION
403	773.14	404 = 771.70		CONCRETE END SECTION
404	773.50		404 = 771.85	Concrete Flared End Section

Pipe Table				
Pipe Name	Size (in)	Length (ft)	Slope	MATERIAL
401	12	50.5	0.53%	RCP
402	12	65.3	0.54%	RCP
404	12	39.1	0.38%	RCP

BENCHMARKS:

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NOBLESVILLE CONSTRUCTION STANDARD NOTE 5

DESIGN PROFESSIONAL CERTIFYING THE PLANS FOR THE PROJECT ACKNOWLEDGES THEIR PROFESSIONAL RESPONSIBILITY FOR ENSURING THAT ALL WORK IS CORRECT, ACCURATE, AND COMPLIES WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS, AND ORDINANCES. IF SUCH AN ERROR AND/OR OMISSION IS FOUND, THE DESIGN PROFESSIONAL ACCEPTS FULL RESPONSIBILITY AND SHALL DETERMINE A SOLUTION THAT COMPLIES WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS, AND ORDINANCES. IF SUCH AN ERROR OR OMISSION IS FOUND, THE DEVELOPER IS NOT RELIEVED TO COMPLY WITH ALL APPROPRIATE LAWS, STANDARDS, REGULATIONS, AND ORDINANCES.

Indiana811
Know what's below. Call before you dig.

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ATTN: TIM BURR
(317) 543-7841
tim.burr@datacomconnect.com

PRIVATE INVENTORY

TOTAL AREA OF DISTURBANCE
0.36 ACRES

TOTAL LENGTH OF PRIVATE SIDEWALK/TRAIL
380 LF

TOTAL LENGTH OF PRIVATE SANITARY SEWER
140 LF OF 6" SDR-26
3 SANITARY CLEANOUTS

TOTAL LENGTH OF PRIVATE STORM SEWER
5 STORM STRUCTURES
156 LF OF 12" RCP

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PROJECT:
NOBLESVILLE SCHOOLS
NOBLESVILLE EAST MIDDLE SCHOOL CONCESSION BUILDINGS
1625 FIELD DRIVE, NOBLESVILLE, IN 46060

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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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 01/17/2025 - ADDENDUM #01
2 01/24/2025 - ADDENDUM #02

ISSUE DATE	DRAWN BY	CHECKED BY
01/09/25	SRO	JMP

DRAWING TITLE:
TITLE SHEET

CERTIFIED BY:
JONATHAN M. PASTIK REGISTERED No. PE12100829 STATE OF INDIANA PROFESSIONAL ENGINEER
01/09/2025

DRAWING NUMBER
C000

PROJECT NUMBER
2024079

GENERAL GRADING NOTES:

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
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	PROPOSED UNDERDRAIN
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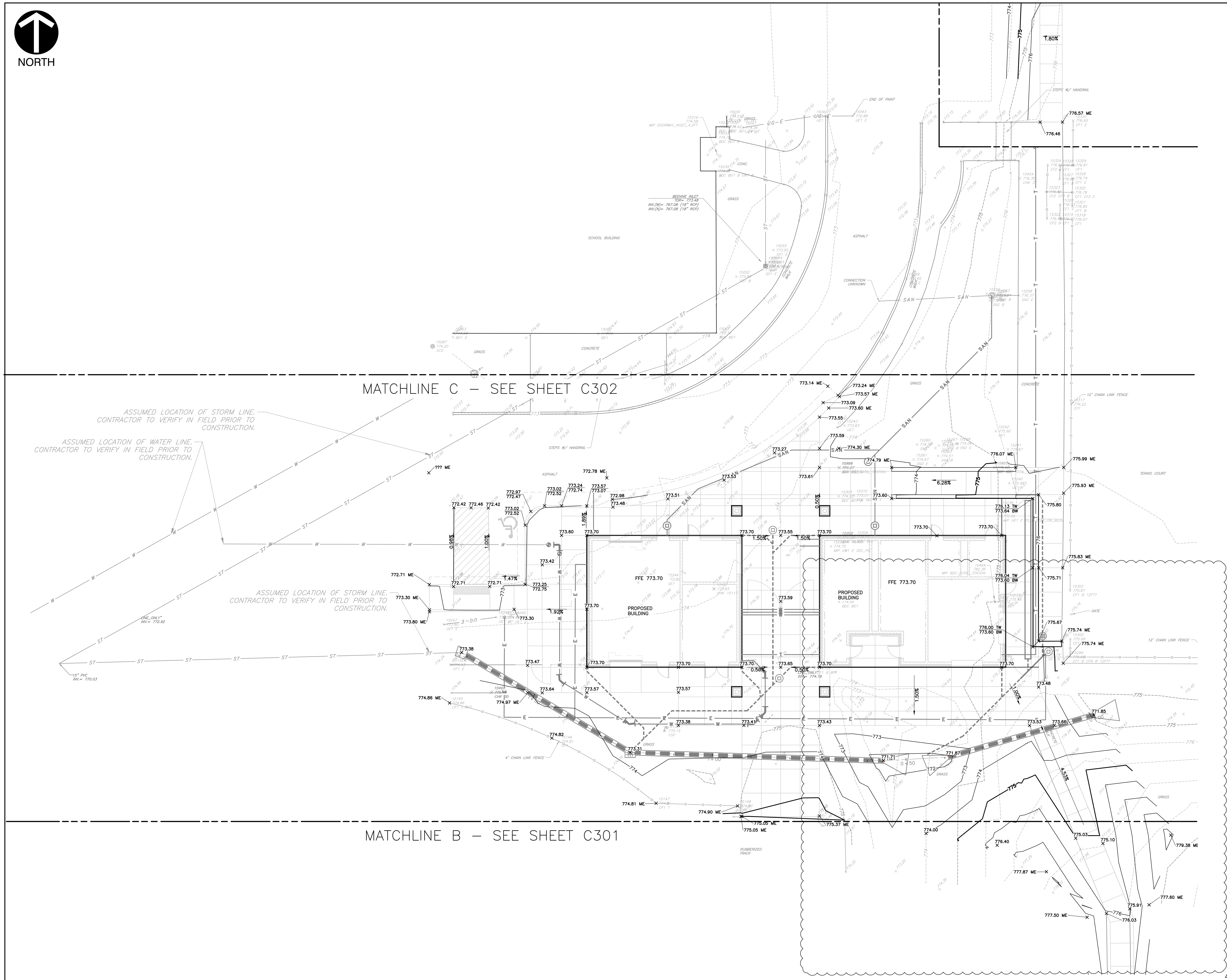
DRAWING TITLE:
OVERALL SETBACK PLAN

CERTIFIED BY:
JONATHAN M. PAST
REGISTERED
No. PE12100829
STATE OF INDIANA
PROFESSIONAL ENGINEER
01/09/2025

DRAWING NUMBER
C200
2

PROJECT NUMBER
2024079



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SCALE IN FEET
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NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSION BUILDINGS
1625 FIELD DRIVE, NOBLESVILLE, IN 46060

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 all 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.

REVISIONS:
2 01/24/2025 - ADDENDUM #02

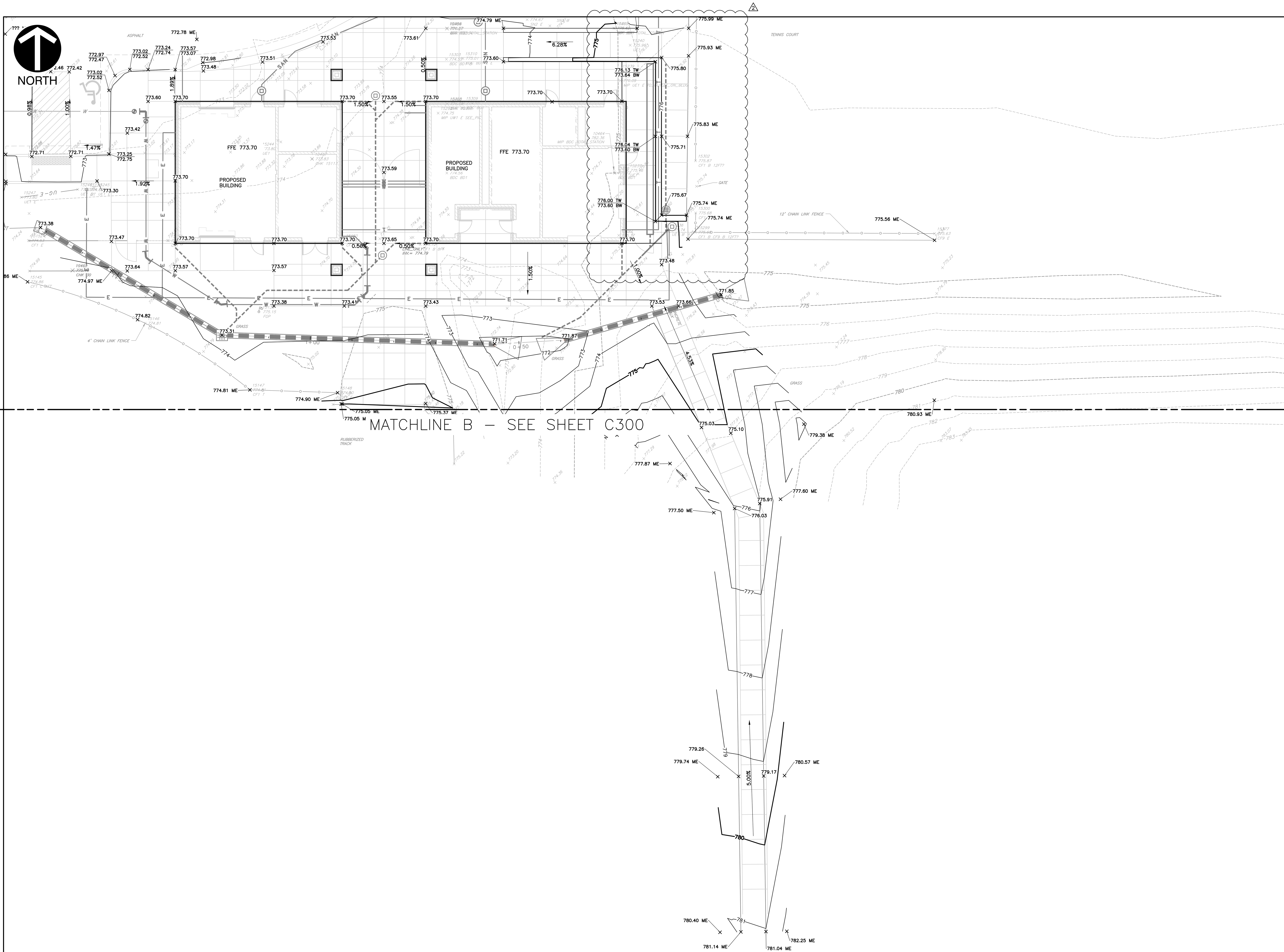
ISSUE DATE	DRAWN BY	CHECKED BY
01/09/25	SRO	JMP

DRAWING TITLE:
GRADING PLAN

CERTIFIED BY:
JONATHAN M. PASTYK
REGISTERED
No. PE12100829
STATE OF INDIANA
PROFESSIONAL ENGINEER
01/09/2025

DRAWING NUMBER
C300

PROJECT NUMBER
2024079



GENERAL GRADING NOTES:

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
2. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
3. CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
4. PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (6" MINIMUM). PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2%.
5. ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
6. ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION CONTROL PLAN, UNLESS NOTED OTHERWISE.
7. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
8. DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF–SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
9. CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
10. STORM STRUCTURES RECEIVING SUB–SURFACE DRAINS (SSD) SHALL HAVE BOTH CONNECTIONS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.
11. ALL STORM STRUCTURE CASTINGS MUST BE LABELED "NO DUMPING, DRAINS TO WATERWAY".
12. ALL FILL SHALL BE FORMED FROM MATERIAL FREE OF VEGETABLE MATTER, RUBBISH, LARGE ROCK, AND OTHER DELETERIOUS MATERIAL. PRIOR TO PLACEMENT OF FILL, A SAMPLE OF THE PROPOSED FILL MATERIAL SHOULD BE SUBMITTED TO GEOTECHNICAL TESTING CONTRACTOR FOR APPROVAL. THE SURFACE OF EACH LAYER WILL BE APPROXIMATELY HORIZONTAL BUT WILL BE PROVIDED WITH SUFFICIENT LONGITUDINAL AND TRANSVERSE SLOPE TO PROVIDE FOR RUNOFF OF SURFACE WATER FROM EVERY POINT. THE FILL MATERIAL SHOULD BE PLACED IN LAYERS NOT TO EXCEED EIGHT (8) INCHES IN LOOSE THICKNESS AND SHOULD BE SPRINKLED WITH WATER AS REQUIRED TO SECURE SPECIFIED COMPACTIONS. EACH LAYER SHOULD BE UNIFORMLY COMPACTED BY MEANS OF SUITABLE EQUIPMENT OF THE TYPE REQUIRED BY THE MATERIALS COMPOSING THE FILL. UNDER NO CIRCUMSTANCES SHOULD A BULLDOZER OR SIMILAR TRACKED VEHICLES BE USED AS COMPACTING EQUIPMENT. MATERIAL CONTAINING AN EXCESS OF WATER SO THE SPECIFIED COMPACTION LIMITS CANNOT BE ATTAINED SHOULD BE SPREAD AND DRIED TO A MOISTURE CONTENT THAT WILL PERMIT PROPER COMPACTION. ALL FILL SHOULD BE COMPACTED TO THE SPECIFIED PERCENT OF THE MAXIMUM DENSITY OBTAINED IN ACCORDANCE WITH ASTM DENSITY TEST D–1557 (95 PERCENT OF MAXIMUM DRY DENSITY BELOW PAVEMENTS). SHOULD THE RESULTS OF THE IN–PLACE DENSITY TESTS INDICATE THAT THE SPECIFIED COMPACTION LIMITS ARE NOT OBTAINED; THE AREAS REPRESENTED BY SUCH TESTS SHOULD BE REWORKED AND RETESTED AS REQUIRED UNTIL THE SPECIFIED LIMITS ARE REACHED.

GRADING LEGEND:

780	PROPOSED INDEX CONTOUR
782	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED DRAINAGE SWALE
	PROPOSED GRADE BREAK
	PROPOSED STORM SEWER LINE
	PROPOSED UNDERDRAIN
766.90	PROPOSED SPOT ELEVATION
798.50 / 798.00	PROPOSED CURB SPOT ELEVATION; TOP OF CURB ON TOP, GUTTER ELEVATION ON BOTTOM

ABBREVIATIONS:
TC = TOP OF CURB
BC = BOTTOM OF CURB
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UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN–SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. INDIANA 811 ONE–CALL PUBLIC UTILITY LOCATE SERVICE TICKET NUMBERS 2408290462, 2408286563 AND 2408290347 WERE ISSUED FOR THIS SITE. AMERICAN LOCATING SERVICES, A PRIVATE SUBSURFACE UTILITY LOCATING SERVICE, WAS CONTRACTED TO PERFORM THE PRIVATE UTILITY LOCATIONS FOR THE SUBJECT SITE. THE PRIVATE UTILITIES LOCATED AND DEPICTED HEREIN WERE EITHER OBSERVED FROM MARKINGS ON THE GROUND OR USING EXISTING PLANS.

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BENCHMARKS:

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TBM#1: MAG NAIL IN A CONCRETE WALK LOCATED APPROXIMATELY 20' EAST OF THE BATTING CAGE AND 170' NORTH OF THE PRESS BOX AT THE HIGH SCHOOL SOFTBALL FIELDS.
ELEV. = 783.84

TBM#2: MAG NAIL IN THE NORTHEAST CORNER OF THE NORTH END OF AN ASPHALT PATH LOCATED EAST OF THE CELL TOWER.
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TBM#3: MAG NAIL ON THE SOUTH EDGE OF A CONCRETE WALK LOCATED NORTH OF THE MIDDLE SCHOOL TRACK AND APPROXIMATELY 60' WEST OF THE ASPHALT PATH TO THE NORTHEAST CORNER OF SAID TRACK.
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SCALE IN FEET
0 10' 20'

NOBLESVILLE SCHOOLS
ENGAGE | INSPIRE | EMPOWER

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PROJECT:
NOBLESVILLE SCHOOLS
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSION BUILDINGS
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CERTIFIED BY:
JONATHAN M. PASTYK
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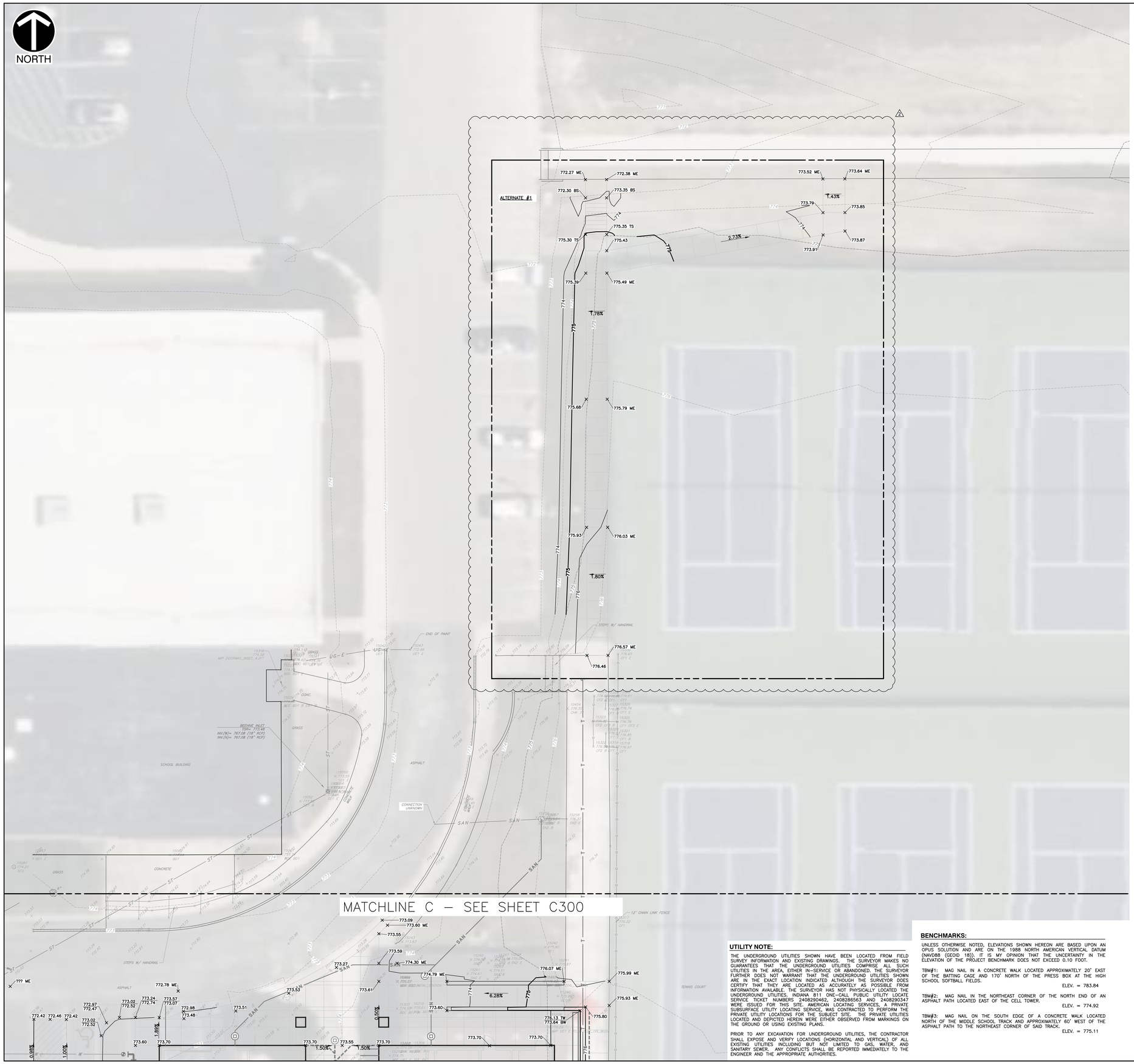
No. PE12100829
STATE OF INDIANA
PROFESSIONAL ENGINEER
01/09/2025

DRAWING NUMBER
C301

PROJECT NUMBER
2024079



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BENCHMARKS:

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ELEV. = 775.11

SCALE IN FEET
0 10' 20'

NOBLESVILLE SCHOOLS
ENGAGE | INSPIRE | EMPOWER

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

CEC
Civil & Environmental Consultants, Inc.
530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-455-7777 - 877-746-0749
www.cecinc.com

PROJECT:
NOBLESVILLE SCHOOLS
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSION BUILDINGS
1625 FIELD DRIVE, NOBLESVILLE, IN 46060

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 construction. They are not working drawings.
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REVISIONS:
2 01/24/2025 - ADDENDUM #02

ISSUE DATE	DRAWN BY	CHECKED BY
01/09/25	SRD	JMP

DRAWING TITLE:
GRADING PLAN
ALT #1

CERTIFIED BY:
JONATHAN M. PASYK
REGISTERED
No. PE12100829
STATE OF
INDIANA
PROFESSIONAL ENGINEER
01/09/2025

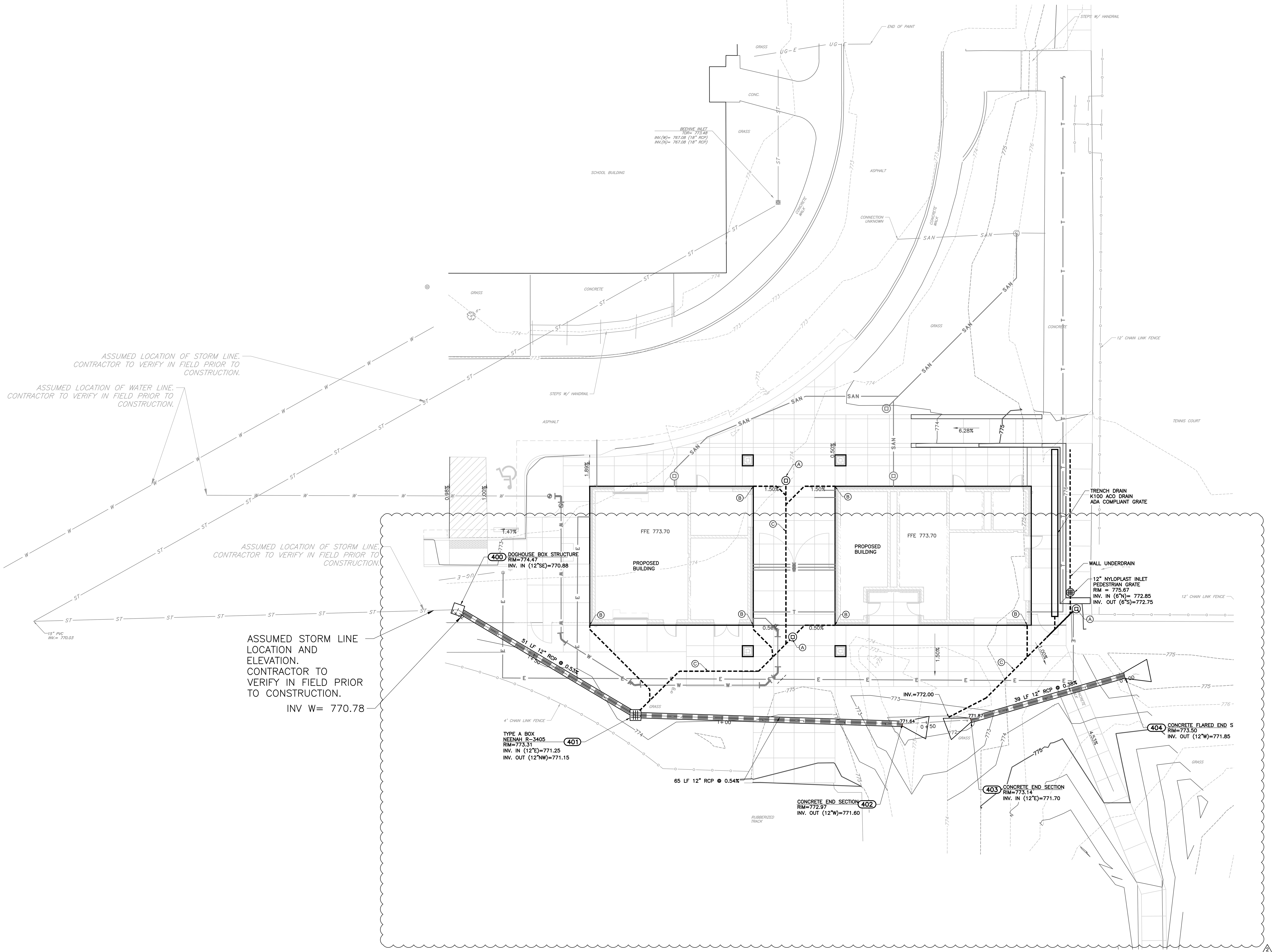
DRAWING NUMBER
C302

PROJECT NUMBER
2024079

NORTH

DRAINAGE SUMMARY

THE PROPOSED PROJECT WILL DISTURB APPROXIMATELY 0.36 ACRES TO CONSTRUCT TWO NEW CONCESSION BUILDINGS AND ASSOCIATED SITE IMPROVEMENTS. THE PROPOSED BUILDINGS WILL REPLACE THE EXISTING CONCESSION STAND AND THE PROJECT WILL INCREASE THE AMOUNT OF IMPERVIOUS AREA. TO MITIGATE THE INCREASE IN IMPERVIOUS AREA, STORMWATER WILL CONTINUE TO FOLLOW ITS EXISTING DRAINAGE PATTERN AND ROUTE TO THE EXISTING DRY DETENTION POND LOCATED WEST OF THE PROJECT SITE THAT DRAINS THE MIDDLE SCHOOL PROPERTY. DUE TO THE NEGLIGIBLE INCREASE IN IMPERVIOUS AREA NO MODIFICATIONS TO THE EXISTING DETENTION POND WILL BE REQUIRED.



SCALE IN FEET

0 10' 20'

GENERAL DRAINAGE NOTES:

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2. DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF-SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
3. CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
4. STORM STRUCTURES RECEIVING SUB-SURFACE DRAINS (SSD) SHALL HAVE BOTH CONNECTIONS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
6. ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
7. ANY WORK PERFORMED IN THE LOCAL OR STATE RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL OR STATE REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
8. DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
9. STORM PIPE MATERIAL OPTIONS ARE AS FOLLOWS: HDPE (N-12 DUAL WALL POLYETHYLENE PIPE), PVC SDR35, OR RCP (CLASS III) OR APPROVED EQUAL.
10. PRIOR TO CONSTRUCTION, CONTRACTOR TO VERIFY FEASIBILITY OF CONNECTING ADDITIONAL STORM PIPES TO EXISTING STRUCTURES. CONTRACTOR TO REHABILITATE STORM STRUCTURES FROM CORE-DRILLING NEW HOLES. REHABILITATION MAY INCLUDE BUT IS NOT LIMITED TO FLOW LINE FORMATION, SEALING CRACKS, STRUCTURAL LINING OR OTHER PROCEDURES AS REQUIRED BY THE CITY OF GREENFIELD. REPLACE STRUCTURE IF REHABILITATION IS NOT POSSIBLE.

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	PROPOSED DRAINAGE SWALE
	PROPOSED STORM SEWER LINE
	PROPOSED UNDERDRAIN

DRAINAGE KEY NOTES

(A) PVC STORM CLEANOUT; MARK LID AS STORM; PROVIDE PAVEMENT RATED CASTING IF LOCATED IN PAVEMENT.

(B) CONNECT DOWNSPOUT TO 6" PVC ROOF DRAIN PIPE (MIN. 1.0%) WITH CAST IRON BOOT. COORDINATE EXACT DOWNSPOUT LOCATIONS WITH "A" SERIES OF PLANS.

(C) 6" SCHEDULE 40 PVC ROOF DRAIN HEADER PIPE AT 1.0% MIN.

(D) CONNECT ROOF DRAIN PIPE TO EXISTING STRUCTURE INSTALLED IN TENNIS COURT SITE PACKAGE

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DRAINAGE PLAN

CERTIFIED BY:
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01/09/2025

DRAWING NUMBER
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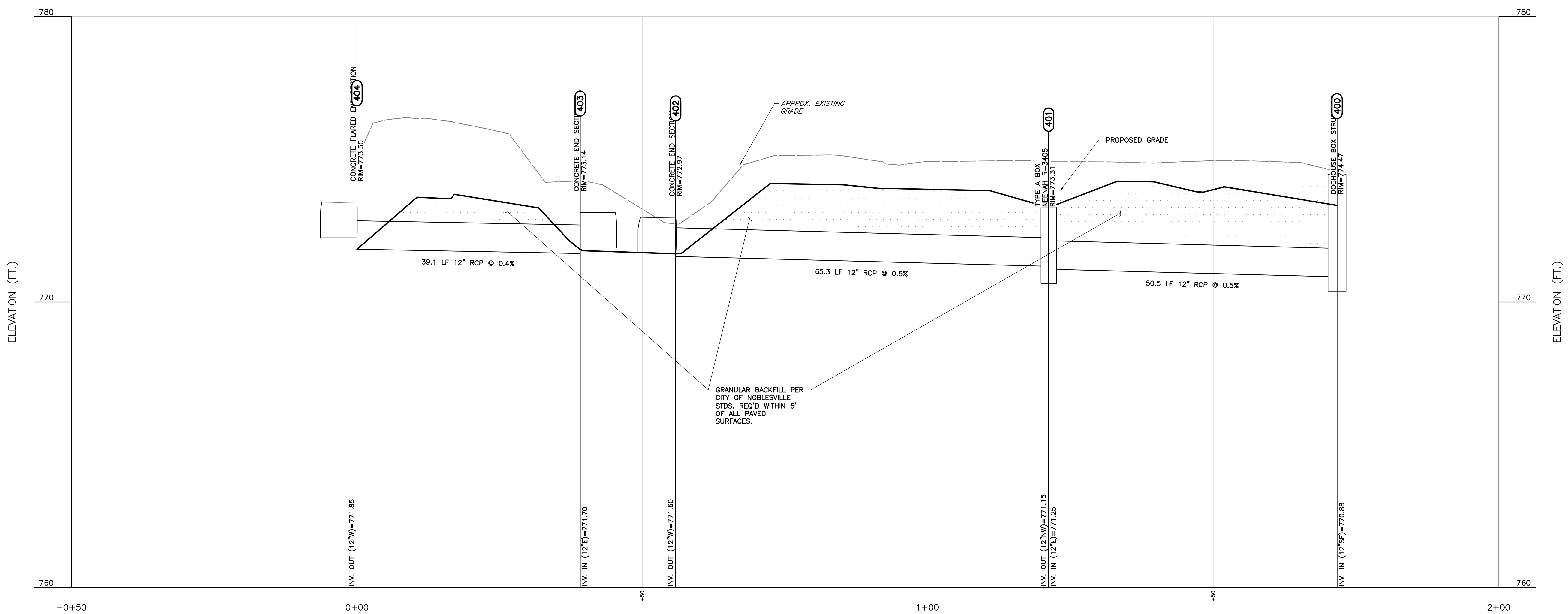


MIDDLE SCHOOL STORM PROFILE

SCALE H:1"=10'; V:1"=2'

GENERAL DRAINAGE NOTES:

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
2. DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF-SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
3. CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
4. STORM STRUCTURES RECEIVING SUB-SURFACE DRAINS (SSD) SHALL HAVE BOTH CONNECTIONS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
6. ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
7. ANY WORK PERFORMED IN THE LOCAL OR STATE RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL OR STATE REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
8. DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
9. STORM PIPE MATERIAL OPTIONS ARE AS FOLLOWS: HDPE (N-12 DUAL WALL POLYETHYLENE PIPE), PVC SDR35, OR RCP (CLASS III) OR APPROVED EQUAL.
10. PRIOR TO CONSTRUCTION, CONTRACTOR TO VERIFY FEASIBILITY OF CONNECTING ADDITIONAL STORM PIPES TO EXISTING STRUCTURES. CONTRACTOR TO REHABILITATE STORM STRUCTURES FROM CORE-DRILLING NEW HOLES. REHABILITATION MAY INCLUDE BUT IS NOT LIMITED TO FLOW LINE FORMATION, SEALING CRACKS, STRUCTURAL LINING OR OTHER PROCEDURES AS REQUIRED BY THE CITY OF GREENFIELD. REPLACE STRUCTURE IF REHABILITATION IS NOT POSSIBLE.

DRAINAGE LEGEND:

- 780 — PROPOSED INDEX CONTOUR
- 782 — PROPOSED INTERMEDIATE CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED STORM SEWER LINE
- PROPOSED UNDERDRAIN

DRAINAGE KEY NOTES

(A) PVC STORM CLEANOUT; MARK LID AS STORM; PROVIDE PAVEMENT RATED CASTING IF LOCATED IN PAVEMENT.

(B) CONNECT DOWNSPOUT TO 6" PVC ROOF DRAIN PIPE (MIN. 1.0%) WITH CAST IRON BOOT. COORDINATE EXACT DOWNSPOUT LOCATIONS WITH "A" SERIES OF PLANS.

(C) 6" SCHEDULE 40 PVC ROOF DRAIN HEADER PIPE AT 1.0% MIN.

(D) CONNECT ROOF DRAIN PIPE TO EXISTING STRUCTURE INSTALLED IN TENNIS COURT SITE PACKAGE

Structure Table

Structure Name	RIM E.	INVERT IN	INVERT OUT	REMARKS
400	774.47	401 = 770.88		DOGHOUSE BOX STRUCTURE
401	773.31	402 = 771.25	401 = 771.15	TYPE A BOX NEENAH R-3405
402	772.97		402 = 771.60	CONCRETE END SECTION
403	773.14	404 = 771.70		CONCRETE END SECTION
404	773.50		404 = 771.85	Concrete Flared End Section

Pipe Table

Pipe Name	Size (in)	Length (ft)	Slope	MATERIAL
401	12	50.5	0.53%	RCP
402	12	65.3	0.54%	RCP
404	12	39.1	0.38%	RCP

UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. INDIANA 811 ONE-CALL PUBLIC UTILITY LOCATE SERVICE TICKET NUMBERS 2408290462, 2408286563 AND 2408290347 WERE ISSUED FOR THIS SITE. AMERICAN LOCATING SERVICES, A PRIVATE SUBSURFACE UTILITY LOCATING SERVICE, WAS CONTRACTED TO PERFORM THE PRIVATE UTILITY LOCATIONS FOR THE SUBJECT SITE. THE PRIVATE UTILITIES LOCATED AND DEPICTED HEREIN WERE EITHER OBSERVED FROM MARKINGS ON THE GROUND OR USING EXISTING PLANS.

PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, THE CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.

BENCHMARKS:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN HEREON ARE BASED UPON AN OPUS SOLUTION AND ARE ON THE 1988 NORTH AMERICAN VERTICAL DATUM (NAVD88 (GEOID 18)). IT IS MY OPINION THAT THE UNCERTAINTY IN THE ELEVATION OF THE PROJECT BENCHMARK DOES NOT EXCEED 0.10 FOOT.

TBM#1: MAG NAIL IN A CONCRETE WALK LOCATED APPROXIMATELY 20' EAST OF THE BATTING CAGE AND 170' NORTH OF THE PRESS BOX AT THE HIGH SCHOOL SOFTBALL FIELDS.
ELEV. = 783.84

TBM#2: MAG NAIL IN THE NORTHEAST CORNER OF THE NORTH END OF AN ASPHALT PATH LOCATED EAST OF THE CELL TOWER.
ELEV. = 774.92

TBM#3: MAG NAIL ON THE SOUTH EDGE OF A CONCRETE WALK LOCATED NORTH OF THE MIDDLE SCHOOL TRACK AND APPROXIMATELY 60' WEST OF THE ASPHALT PATH TO THE NORTHEAST CORNER OF SAID TRACK.
ELEV. = 775.11

SCALE IN FEET
0 10' 20'

NOBLESVILLE SCHOOLS
ENGAGE | INSPIRE | EMPOWER

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

Civil & Environmental Consultants, Inc.
530 E. Ohio Street · Suite G · Indianapolis, IN 46204
317-655-7777 · 877-746-0749
www.cecinc.com

PROJECT:
NOBLESVILLE SCHOOLS
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSION BUILDINGS
1625 FIELD DRIVE, NOBLESVILLE, IN 46060

REVISIONS:
2 01/24/2025 - ADDENDUM #02

ISSUE DATE	DRAWN BY	CHECKED BY
01/09/25	SRO	JMP

DRAWING TITLE:
DRAINAGE PROFILES

CERTIFIED BY:
JONATHAN M. PASTYK
REGISTERED
No. PE12100829
STATE OF INDIANA
PROFESSIONAL ENGINEER
01/09/2025

DRAWING NUMBER
C401

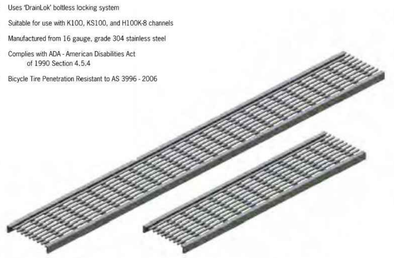
PROJECT NUMBER
2024079

ACO DRAIN

Type 447D/448D Longitudinal stainless steel grate (ADA)

Product Features

- Certified to EN 1433 Load Class B - 28,000 lbs - 581 psi
- Uses 'DrainLok' boltless locking system
- Suitable for use with K100, KS100, and H100K-B channels
- Manufactured from 16 gauge, grade 304 stainless steel
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Bicycle Tire Penetration Resistant to AS 3996 - 2006



Specifications

General
The surface drainage system shall be ACO Drain K100, KS100, and H100K-B channels*, complete with ACO Type 447D/448D longitudinal stainless steel grate with 'DrainLok' locking as manufactured by ACO, Inc. or similar approved.

Materials
The covers shall be manufactured from stainless steel and have **minimum** properties as follows:

- ***Independently certified to meet Load Class B to EN 1433 - 28,000 lbs - 581 psi***
- ***16 gauge, grade 304 stainless steel***
- ***Intake area of 46.9 sq. in. (302.57 cm²) per half meter of grate***

The overall width of 4.85" (123mm) and overall length of 39.37" (1000mm) (Type 447D) and 19.69" (500mm) (Type 448D). Slots measure 1.61" (40.89mm) by 0.24" (6.09mm).

Installation
The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

* delete as appropriate

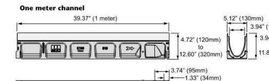
ACO Specification Information

April 2018 www.ACODrain.us

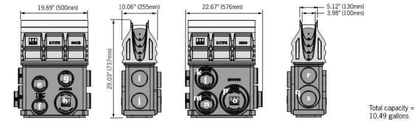
ACO DRAIN

KlassikDrain - K100 Galvanized steel edge rail channel system

One meter channel



Type K901G In-line catch basin



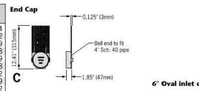
Total capacity = 10.49 gallons

Outlet flow rates

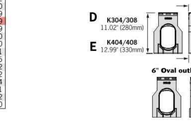
Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
a	Bottom outlet - K00	4" round	3.94"	108	0.24
a	Bottom outlet - K40	4" round	11.81"	187	0.42
b	Bottom outlet - K00	6" oval	3.94"	177	0.39
b	Bottom outlet - K40	6" oval	11.81"	306	0.68
c	End outlet - K20	4" round	7.87"	132	0.29
c	End outlet - K40	4" round	11.81"	171	0.38
d	K1-308-6 6" outlet cap	6" oval	9.84"	233	0.52
d	K1-408-6 6" outlet cap	6" oval	11.81"	264	0.59
e	Type K1-901G	4" round	20.68"	235	0.52
f	Type K1-901G	4" round	27.17"	226	0.50
g	Type K1-901G	4" round	18.99"	265	0.59
h	Type K1-901G	6" round	27.17"	263	0.59
i	Type K1-901G	4" round	19.30"	222	0.49
j	Type K1-901G	4" round	25.67"	586	1.30
k	Type K1-901G	6" round	19.99"	269	0.60
l	Type K1-901G	4" round	19.36"	227	0.51
m	Type K1-901G	6" round	27.30"	604	1.35
n	Type K1-901G	4" round	26.43"	505	1.12
o	Type K1-901G	6" round	26.43"	593	1.32
p	Type K1-901G	8" round	27.30"	1051	2.34
q	Type K1-901G	6" round	25.85"	273	0.61
r	Type K1-901G	4" round	18.56"	235	0.52
s	Type K1-901G	4" round	25.35"	224	0.50

Note: These are the pipe flow rates at the specified outlet, **NOT** channel flow rates. Catch basin flow rates are without trash bucket - using trash bucket reduces flow.

End Cap



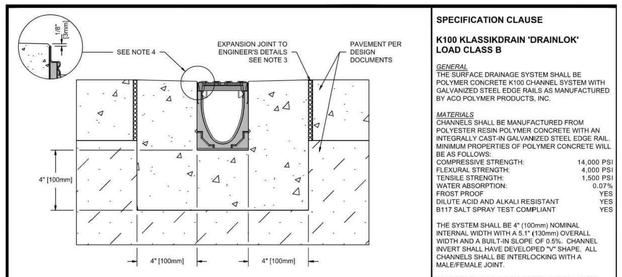
6" Oval inlet cap



6" Oval outlet cap

ACO Specification Information

February 2019 www.acousa.com



B

NOTES:
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE

K100 KLASSIKDRAIN 'DRAINLOK' LOAD CLASS B

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K100 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYMER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 4" (100mm) NOMINAL INTERNAL WIDTH WITH A 5.1" (130mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'DRAINLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

K1D-B-ECP	K100 - KLASSIKDRAIN - LOAD CLASS: B Exposed Concrete Pavement	**ACO Polymer Products, Inc.**
DATE: 08/16/16	INSTALLATION DRAWING - ACO DRAIN	825 W. Beechcraft St Casa Grande, AZ 85122 Tel: 520-421-9988 Fax: 520-421-9899
		9470 Pinecone Dr. Mentor, OH 44060 Tel: 440-639-7230 Fax: 440-639-7235
		4211 Pleasant Rd. Fort Mill, SC 29708 Tel: 440-639-7230 Fax: 803-802-1063

Arizona Tel: 888-490-9552 e-mail: sales@acousa.com Ohio Tel: 800-543-4764 www.acousa.com South Carolina Tel: 803-543-4764

DETAIL 404 - TRENCH DRAIN DETAILS
NOT TO SCALE

ACO DRAIN

KlassikDrain - K100 Galvanized steel edge rail channel system

Description	Part No.	Invert inches²	Invert mm²	Weight Lbs.
K1-00 Neutral channel - 39.37" (1m)²	**74041**	**3.94**	**100**	**28.1**
K1-1 Sloped channel - 39.37" (1m)	74001	4.13	105	28.1
K1-2 Sloped channel - 39.37" (1m)	74002	4.33	110	28.9
K1-3 Sloped channel - 39.37" (1m)	74003	4.53	115	29.7
K1-4 Sloped channel - 39.37" (1m)	74004	4.72	120	30.5
K1-5 Sloped channel - 39.37" (1m) ①	74005	4.92	125	31.3
K1-6 Sloped channel - 39.37" (1m)	74006	5.12	130	32.1
K1-7 Sloped channel - 39.37" (1m)	74007	5.31	135	32.9
K1-8 Sloped channel - 39.37" (1m)	74008	5.51	140	33.7
K1-9 Sloped channel - 39.37" (1m)	74009	5.71	145	34.5
K1-10 Sloped channel - 39.37" (1m)²	74010	5.91	150	35.3
K1-010 Neutral channel - 39.37" (1m)²	**74043**	**5.91**	**150**	**35.3**
K1-0103 Neutral channel - 19.69" (0.5m)²	**74044**	**5.91**	**150**	**17.0**
K1-11 Sloped channel - 39.37" (1m)	74011	6.10	155	36.1
K1-12 Sloped channel - 39.37" (1m)	74012	6.30	160	36.9
K1-13 Sloped channel - 39.37" (1m)	74013	6.50	165	37.7
K1-14 Sloped channel - 39.37" (1m)	74014	6.69	170	38.5
K1-15 Sloped channel - 39.37" (1m)²	74015	6.89	175	39.3
K1-16 Sloped channel - 39.37" (1m)	74016	7.09	180	40.1
K1-17 Sloped channel - 39.37" (1m)	74017	7.28	185	40.9
K1-18 Sloped channel - 39.37" (1m)	74018	7.48	190	41.7
K1-19 Sloped channel - 39.37" (1m)	74019	7.68	195	42.5
K1-20 Sloped channel - 39.37" (1m)²	74020	7.87	200	43.4
K1-020 Neutral channel - 39.37" (1m)²	**74045**	**7.87**	**200**	**43.4**
K1-0203 Neutral channel - 19.69" (0.5m)²	**74046**	**7.87**	**200**	**20.5**
K1-21 Sloped channel - 39.37" (1m)	74021	8.07	205	44.2
K1-22 Sloped channel - 39.37" (1m)	74022	8.27	210	45.0
K1-23 Sloped channel - 39.37" (1m)	74023	8.46	215	45.8
K1-24 Sloped channel - 39.37" (1m)	74024	8.66	220	46.6
K1-25 Sloped channel - 39.37" (1m)²	74025	8.86	225	47.4
K1-26 Sloped channel - 39.37" (1m)	74026	9.06	230	48.2
K1-27 Sloped channel - 39.37" (1m)	74027	9.25	235	49.0
K1-28 Sloped channel - 39.37" (1m)	74028	9.45	240	49.8
K1-29 Sloped channel - 39.37" (1m)	74029	9.65	245	50.6
K1-30 Sloped channel - 39.37" (1m)②	74030	9.84	250	51.4
K1-030 Neutral channel - 39.37" (1m)²	**74047**	**9.84**	**250**	**51.4**
K1-0303 Neutral channel - 19.69" (0.5m)²	**74048**	**9.84**	**250**	**24.0**
K1-31 Sloped channel - 39.37" (1m)	74031	10.04	255	52.2
K1-32 Sloped channel - 39.37" (1m)	74032	10.24	260	53.0
K1-33 Sloped channel - 39.37" (1m)	74033	10.43	265	53.8
K1-34 Sloped channel - 39.37" (1m)	74034	10.63	270	54.6
K1-35 Sloped channel - 39.37" (1m)²	74035	10.83	275	55.4
K1-36 Sloped channel - 39.37" (1m)	74036	11.02	280	56.2
K1-37 Sloped channel - 39.37" (1m)	74037	11.22	285	57.0
K1-38 Sloped channel - 39.37" (1m)	74038	11.42	290	57.9
K1-39 Sloped channel - 39.37" (1m)²	74039	11.61	295	58.7
K1-40 Sloped channel - 39.37" (1m)²	74040	11.81	300	59.5
K1-040 Neutral channel - 39.37" (1m)²	**74049**	**11.81**	**300**	**59.5**
K1-0403 Neutral channel - 19.69" (0.5m)²	**74050**	**11.81**	**300**	**27.5**
K1.901G inline catch basin - 19.69" (0.5m)²	94608	28.81	701.9	52.6
K1.62.G catch basin - 19.69" (0.5m)²	94617	28.84	732.5	55.8
K1.63.G catch basin - 19.69" (0.5m)²	94631	40.84	1037.4	65.8
K1.Series 600 Optional plastic mixer	99902	-	-	10.0
Four air trap - fits both 900 & 600 series basins	90854	-	-	1.2
K1.3046 6' Inlet Cap	96839	9.84	250	5.2
K1.3086 6' Outlet Cap	96840	9.84	250	5.0
K1.4046 6' Inlet Cap	96834	11.81	300	6.0
K1.4086 6' Outlet Cap	96836	11.81	300	5.8
Universal end cap	96822	11.81	300	0.4
Debris strainer for 4" bottom knockout	93488	-	-	0.2
4" Oval to 6" round outlet adapter	95140	-	-	1.1
K1-installation device	97477	-	-	2.8
Grate removal tool	01318	-	-	0.3
K1-QuickLok locking bar	02899	-	-	0.1

Notes:
1. This channel offers a bottom knockout feature; 4" round/6" oval.
2. Inverts shown are for the male end; for female invert depth subtract 5mm (~0.2") from the male invert (except for neutral channels, where it will be same as male invert). To calculate the overall channel depth add 20mm (~0.8") to invert depth.
3. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, trash bucket and plastic base. Select an appropriate grate.
4. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, deep trash bucket, plastic riser and plastic base. Select an approcriate grate.

Specifications

General
The surface drainage system shall be ACO Drain K100 complete with gratings secured with 'QuickLok' locking as manufactured by ACO, Inc. or approved equal.

Materials
The trench system bodies shall be manufactured from polyester polymer concrete with the minimum properties as follows:

Compressive strength:	14,000 psi
Flexural strength:	4,000 psi
Water absorption	0.07%
Frost proof	YES
Salt proof	YES
Dilute acid and alkali resistant	YES

The nominal clear opening shall be 4" (100mm) with overall width of 5.12" (130mm). Precast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.50" (13mm). Each unit will feature a partial radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring keys on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The galvanized steel edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 3/32" (2.5mm) thick.

Grates
Grates shall be specified. See separate ACO Spec Info grate sheets for details. After removal of grates and 'QuickLok' bar there shall be uninterrupted access to the trench to aid maintenance.

Installation
The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

ACO, Inc.
Northeast Sales Office
9470 Pinecone Drive
Mentor, OH 44060
Tel: (440) 639-7230
Toll free: (800) 543-4764
Fax: (440) 639-7235

West Sales Office
825 W. Beechcraft St
Casa Grande, AZ 85122
Tel: (520) 421-9988
Toll Free: (888) 490-9552
Fax: (520) 421-9899

Southeast Sales Office
4211 Pleasant Road
Fort Mill, SC 29708
Toll free: (800) 543-4764
Fax: (803) 802-1063

Electronic Contact:
info@acousa.com
www.acousa.com

SPEC INFO

ACO Specification Information

February 2019 www.acousa.com

NOBLESVILLE SCHOOLS
ENGAGE | INSPIRE | EMPOWER

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

Civil & Environmental Consultants, Inc.
530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-855-7777 - 877-746-0749
www.cecinc.com

PROJECT:
NOBLESVILLE SCHOOLS
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSION BUILDINGS
1625 FIELD DRIVE, NOBLESVILLE, IN 46060

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the performance criteria for the type 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.
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 01/24/2025 - ADDENDUM #02

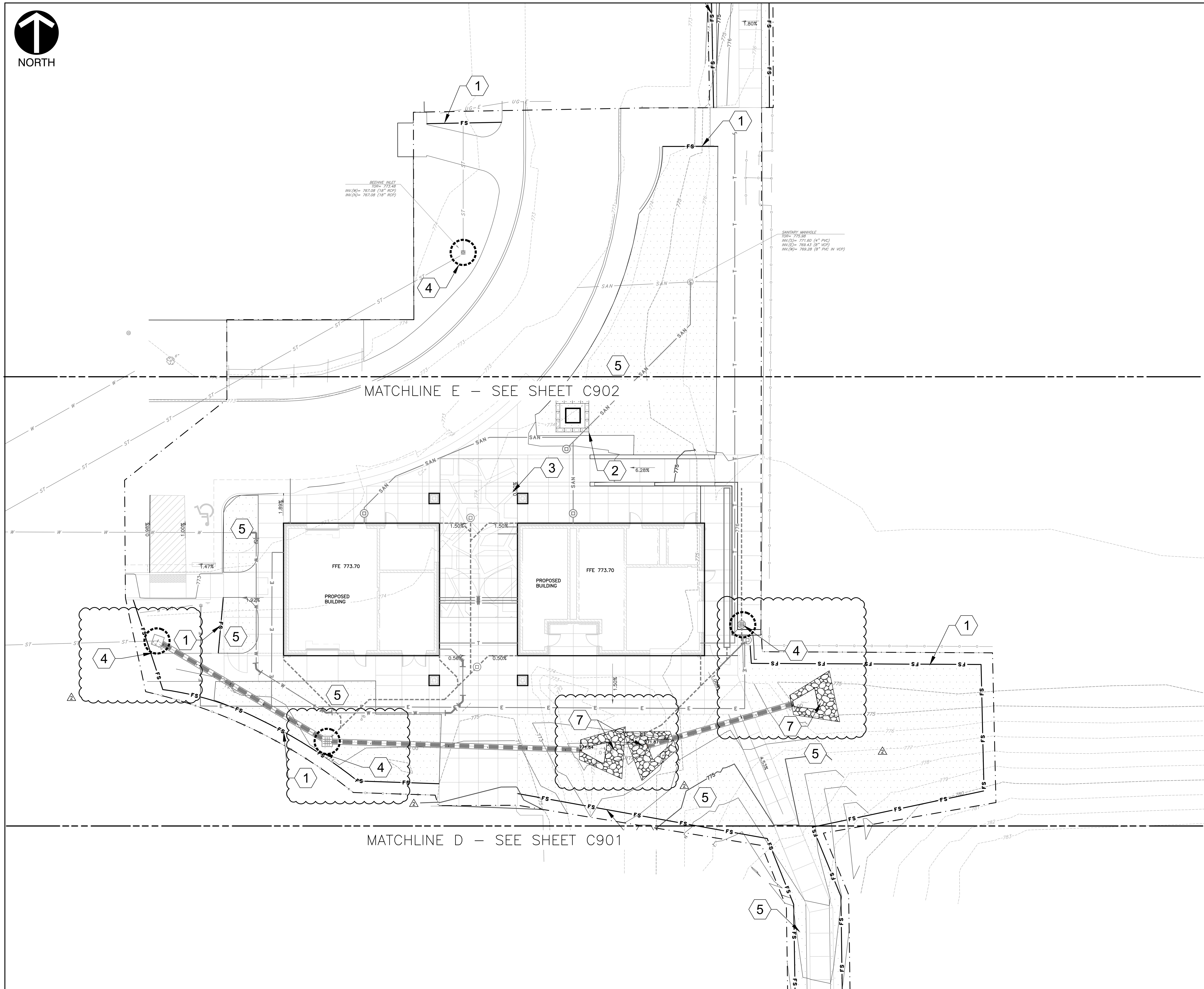
ISSUE DATE	DRAWN BY	CHECKED BY
01/09/25	SRD	JMP

DRAWING TITLE:
SITE DETAILS

CERTIFIED BY:
JONATHAN W. PAST
REGISTERED
No. PE12100829
STATE OF
INDIANA
PROFESSIONAL ENGINEER
01/09/2025

DRAWING NUMBER
C801
1

PROJECT NUMBER
2024079



GENERAL EROSION CONTROL NOTES:

1. CONTRACTOR SHALL INSTALL ALL REQUIRED SILT FENCES, SILT TRAPS, TREE PROTECTION AND INLET PROTECTION FOR EXISTING INLETS PRIOR TO THE START OF ANY EARTH MOVING OR STRIPPING.
2. CONTRACTOR SHALL INSTALL A STONE CONSTRUCTION ENTRANCE OR SOME OTHER DEVICE PRIOR TO THE START OF EARTHWORK AS NECESSARY TO PREVENT SOIL FROM BEING TRACKED OR WASHED INTO EXISTING ROADWAYS.
3. LAND ALTERATIONS WHICH STRIP THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED. AS GRADING IS DONE, INSTALL SILT TRAPS, SILT FENCES, SLOPE DRAINS, TEMPORARY DIVERSIONS AND OTHER RUNOFF CONTROL MEASURES AT APPROPRIATE LOCATIONS TO KEEP SEDIMENT CONTAINED ON SITE.
4. ALL DISTURBED AREAS SHALL BE SEEDED AND STRAW MULCHED AS SHOWN ON THE PLANS IMMEDIATELY AFTER COMPLETION OF GROUND ACTIVITY. FOR LARGE PROJECTS, THIS SEEDING SHOULD BE COMPLETED IN PHASES AS THE DIFFERENT AREAS OF THE SITE ARE COMPLETED.
5. PERMANENT AND FINAL VEGETATION OR STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS PRACTICAL UNDER THE CIRCUMSTANCES.
6. THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM DEPENDING UPON THE WEATHER. IF CONSTRUCTION ACTIVITY IS TO CEASE FOR MORE THAN TWO WEEKS, THE DISTURBED AREAS SHALL BE TEMPORARILY SEEDED.
7. ALL STORM SEWER INLET PROTECTION DEVICES SHALL BE PUT IN PLACE AT THE TIME EACH INLET IS CONSTRUCTED.
8. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AND DEVICES DURING CONSTRUCTION AND UNTIL SILTATION OF THE STREETS AND STORM SEWERS WILL NO LONGER OCCUR.
9. ONCE ONSITE EROSION AND SILTATION OF THE STREETS AND STORM SEWERS WILL NO LONGER OCCUR, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE TEMPORARY EROSION CONTROL DEVICES.
10. THESE GENERAL PROCEDURES MAY NOT COVER ALL SITUATIONS. REFER TO EROSION CONTROL PLANS FOR SPECIFIC NOTES AND ADDITIONAL DETAILS.
11. DISTURBED AREAS LEFT IDLE OR SCHEDULED TO BE LEFT INACTIVE SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED. STABILIZATION SHALL BE INITIATED BY THE END OF THE SEVENTH DAY (7) THE AREA IS LEFT IDLE AND COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION.
12. EROSION CONTROL TO COMPLY WITH CONSTRUCTION STORMWATER GENERAL PERMIT (CSGP) AND INDIANA STORMWATER QUALITY MANUAL.
13. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE CITY'S SWPPP INSPECTOR.

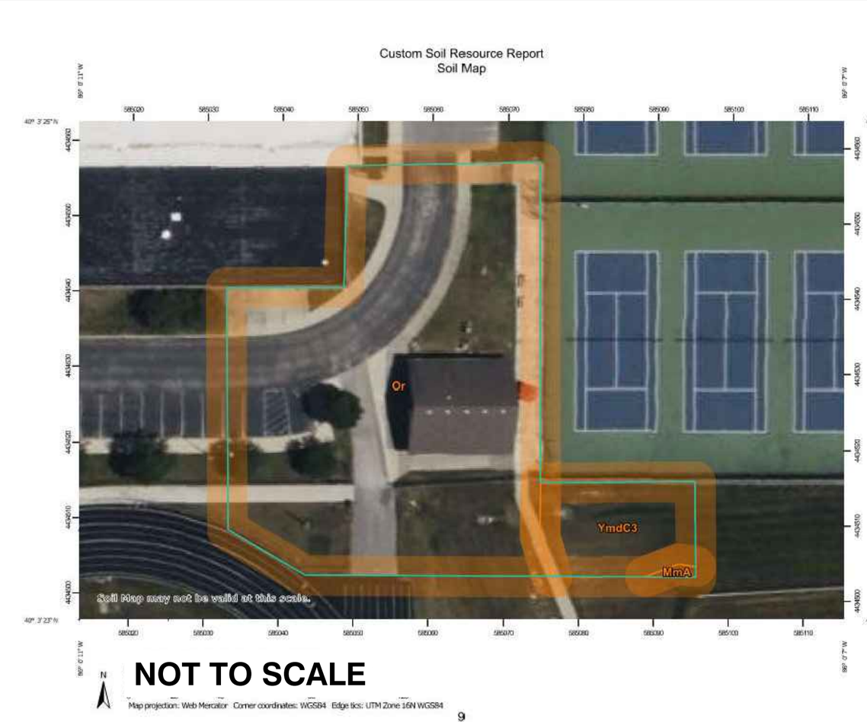
SWPPP LEGEND:

- PROPOSED STONE CONSTRUCTION ENTRANCE
- PROPOSED EROSION CONTROL BLANKET
- TEMPORARY SEEDING AREAS
- PROPOSED LIMITS OF DISTURBANCE
- FS — PROPOSED FILTER SOCK
- PERIMETER CONSTRUCTION FENCE/BOUNDARY
- PROPOSED DITCH
- MAJOR STORMWATER DISCHARGE POINT
- PROPOSED INLET PROTECTION
- PROPOSED CONCRETE WASHOUT

SWPPP ITEMS:

1. FILTER SOCK; SEE DETAIL ON NOBLESVILLE STANDARD DETAILS, SHEET 27 OF 29
2. CONCRETE WASHOUT; SEE DETAIL ON NOBLESVILLE STANDARD DETAILS, SHEET 27 OF 29
3. TEMPORARY STONE CONSTRUCTION ENTRANCE & STAGING AREA; SEE DETAIL ON NOBLESVILLE STANDARD DETAILS, SHEET 27 OF 29.
4. BASKET INLET PROTECTION; SEE DETAIL ON NOBLESVILLE STANDARD DETAILS, SHEET 28 OF 29.
5. TEMPORARY/PERMANENT SEEDING AREAS PER GENERAL EROSION CONTROL NOTE #11; SEE CHART ON SHEET C912.
6. STABILIZED AND PROTECTED ACCESS PATH
7. RIPRAP APRON. SEE DETAIL ON NOBLESVILLE STANDARD DETAILS, SHEET 28 OF 29.

SOIL MAP:



NOT TO SCALE

SOILS MAP LEGEND

Or – Orthents, 6 to 12 percent slopes, well drained run–off class.

MmA – Miami silt loam, 0 to 2 percent slopes, moderately well drained run–off class: Low; Capacity to transmit water: low to moderately high.

YmdC3 – Miami clay loam–Urban land complex, 6 to 12 percent slopes, moderately well drained run–off class: Very high; Capacity to transmit water: low to moderately high.

UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN–SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. INDIANA 811 ONE–CALL PUBLIC UTILITY LOCATE SERVICE TICKET NUMBERS 2408290462, 2408286563 AND 2408290347 WERE ISSUED FOR THIS SITE. AMERICAN LOCATING SERVICES, A PRIVATE SUBSURFACE UTILITY LOCATING SERVICE, WAS CONTRACTED TO PERFORM THE PRIVATE UTILITY LOCATIONS FOR THE SUBJECT SITE. THE PRIVATE UTILITIES LOCATED AND DEPICTED HEREIN WERE EITHER OBSERVED FROM MARKINGS ON THE GROUND OR USING EXISTING PLANS.

PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES, THE CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.

BENCHMARKS:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN HEREON ARE BASED UPON AN OPUS SOLUTION AND ARE ON THE 1988 NORTH AMERICAN VERTICAL DATUM (NAVD88 (GEOID 18)). IT IS MY OPINION THAT THE UNCERTAINTY IN THE ELEVATION OF THE PROJECT BENCHMARK DOES NOT EXCEED 0.10 FOOT.

TBM#1: MAG NAIL IN A CONCRETE WALK LOCATED APPROXIMATELY 20' EAST OF THE BATTING CAGE AND 170' NORTH OF THE PRESS BOX AT THE HIGH SCHOOL SOFTBALL FIELDS.
ELEV. = 783.84

TBM#2: MAG NAIL IN THE NORTHEAST CORNER OF THE NORTH END OF AN ASPHALT PATH LOCATED EAST OF THE CELL TOWER.
ELEV. = 774.92

TBM#3: MAG NAIL ON THE SOUTH EDGE OF A CONCRETE WALK LOCATED NORTH OF THE MIDDLE SCHOOL TRACK AND APPROXIMATELY 60' WEST OF THE ASPHALT PATH TO THE NORTHEAST CORNER OF SAID TRACK.
ELEV. = 775.11

SCALE IN FEET
0 10' 20'

NOBLESVILLE SCHOOLS
ENGAGE | INSPIRE | EMPOWER

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

Civil & Environmental Consultants, Inc.
530 E. Ohio Street · Suite G - Indianapolis, IN 46204
317-655-7777 · 877-746-0749
www.cecinc.com

PROJECT:
NOBLESVILLE SCHOOLS
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSION BUILDINGS
1625 FIELD DRIVE, NOBLESVILLE, IN 46060

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 all 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.

REVISIONS:
2 01/24/2025 - ADDENDUM #02

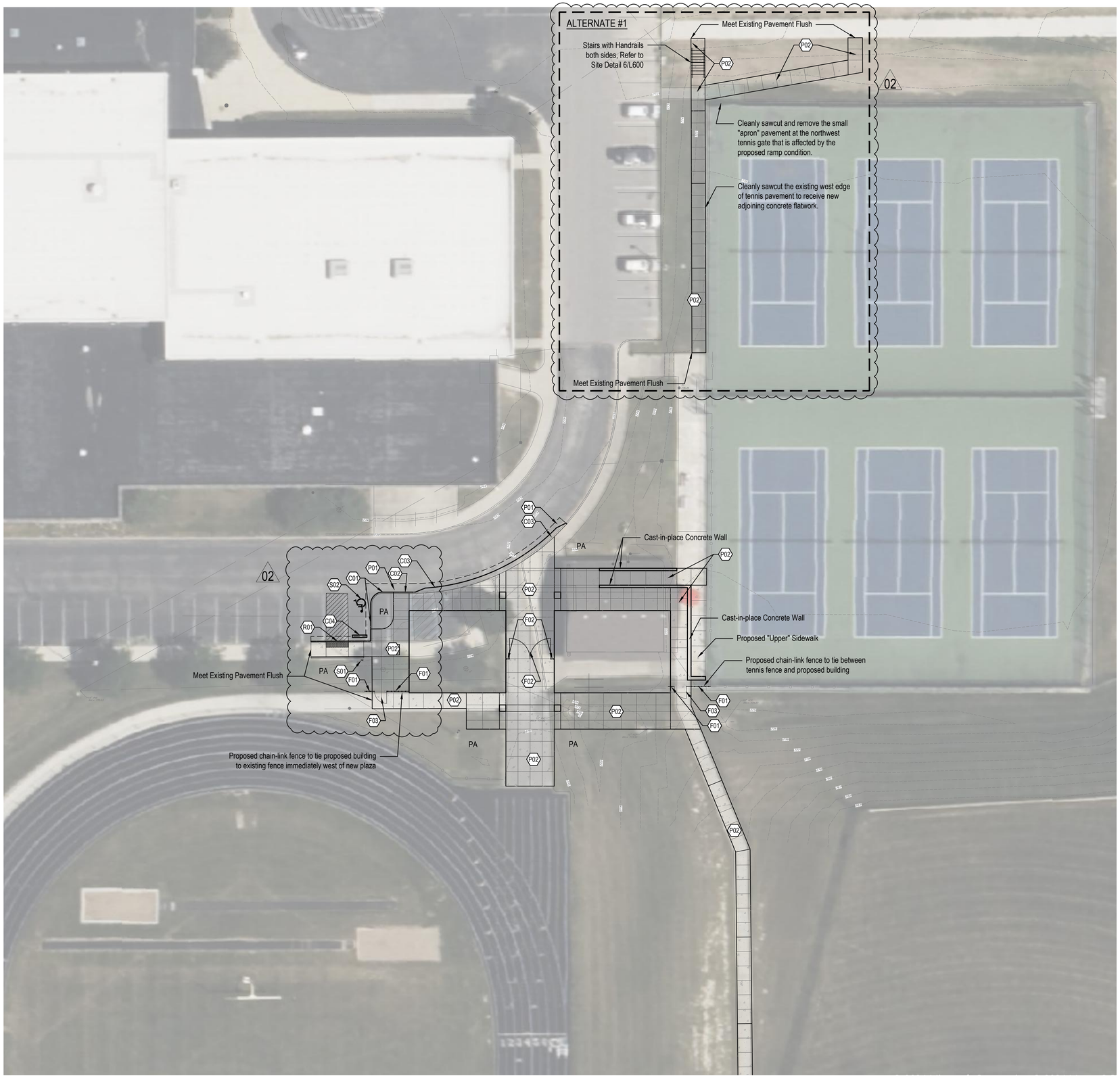
ISSUE DATE	DRAWN BY	CHECKED BY
01/09/25	SRD	JMP

DRAWING TITLE:
STORMWATER POLLUTION PREVENTION PLAN

CERTIFIED BY:
JONATHAN M. PASTIK
REGISTERED
No. PE12100829
STATE OF INDIANA
PROFESSIONAL ENGINEER
01/09/2025

DRAWING NUMBER
C900

PROJECT NUMBER
2024079



	MATERIAL KEYNOTES
KEY	DESCRIPTION / REFERENCE
C01	CURB, POST REFER TO SITE DETAIL 7/L600 AND SPECIFICATIONS
C02	CURB, INTEGRAL REFER TO SITE DETAIL 8/L600 AND SPECIFICATIONS
C03	CURB, ROLL REFER TO SITE DETAIL 9/L600 AND SPECIFICATIONS
C04	WHEEL STOP REFER TO SITE DETAIL 1/L601 AND SPECIFICATIONS

	FENCING
KEY	DESCRIPTION / REFERENCE
F01	6' HEIGHT, BLACK PVC COATED CHAINLINK FENCING; REFER TO SPECIFICATIONS
F02	20' OPENING WITH 17" WIDE GATE, BLACK ORNAMENTAL FENCE AND GATE; REFER TO SPECIFICATIONS
F03	5' WIDE SINGLE-LEAF GATE, BLACK PVC COATED CHAINLINK FENCING; REFER TO SPECIFICATIONS

	MATERIAL KEYNOTES
KEY	DESCRIPTION / REFERENCE
P01	ASPHALT, PATCHBACK REFER TO SITE DETAIL 4/L600 AND SPECIFICATIONS
P02	CONCRETE, STANDARD DUTY REFER TO SITE DETAIL 1-3/L600 AND SPECIFICATIONS

	RAMPS & STAIRS
KEY	DESCRIPTION / REFERENCE
R01	PARALLEL RAMP REFER TO SITE DETAIL 4/L601 AND SPECIFICATIONS

	SIGNAGE
KEY	DESCRIPTION / REFERENCE
S01	ADA ACCESSIBLE PARKING SIGN REFER TO SITE DETAIL3/L601 AND SPECIFICATIONS
S02	ACCESSIBLE PARKING STRIPING & SYMBOL REFER TO SITE DETAIL 2/L601 AND SPECIFICATIONS

	PLANTING
KEY	DESCRIPTION / REFERENCE
PA	PLANTED AREA / SEED ALL DISTURBED AREAS

North

0 10' 20' 40'

Scale 1" = 20'-0"

context DESIGN
5825 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

Certified by:

FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2025

Construction Documents

NOBLESVILLE SCHOOLS OUT BUILDINGS

Noblesville, Indiana

Sheet Title:

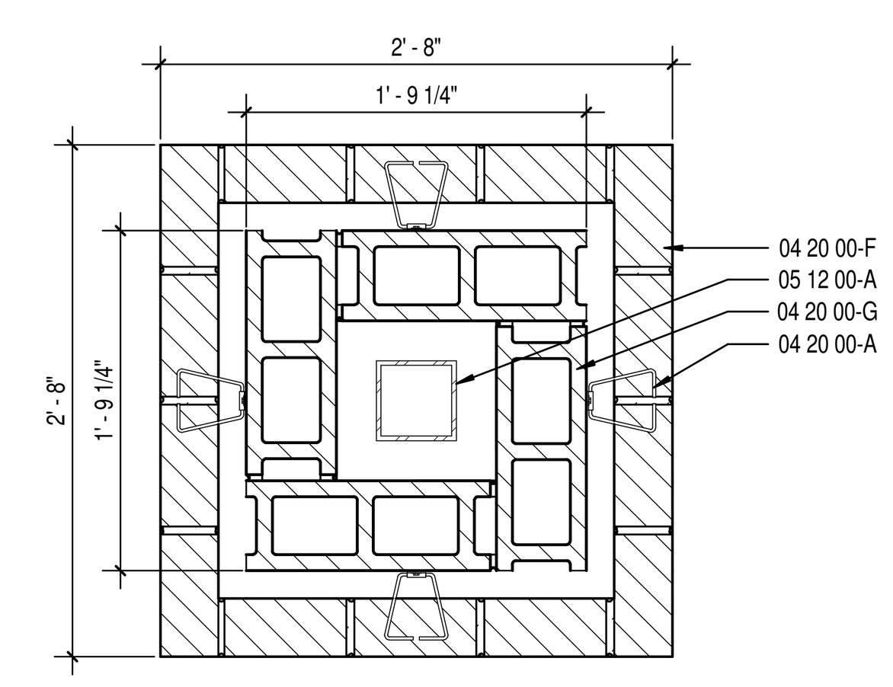
MATERIALS & NOTES PLAN

Revision	Date	Description
01	2025-01-17	Addendum #1 Updates
02	2025-01-24	Addendum #2 Updates

Date:	2025/01/10
Project No:	24-1838
Drawn by:	SS
Checked by:	FP

Sheet No:

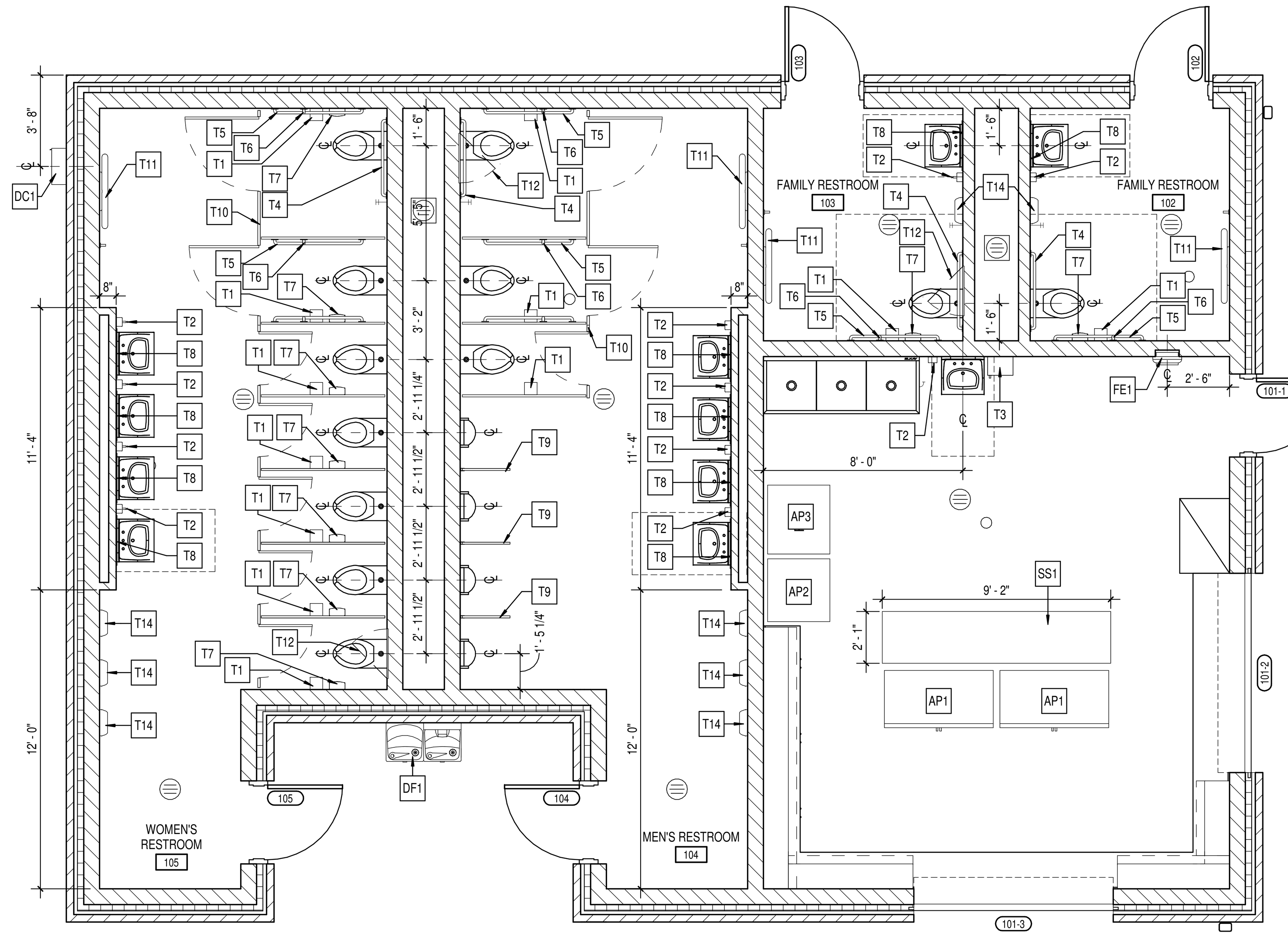
L101



3 A201 BRICK COLUMN DETAIL
SCALE: 1" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE							
TYPE MARK	DESCRIPTION	SPEC SECTION	MANUFACTURER	MODEL NO.	REMARKS	FURNISHED BY	INSTALLED BY
AH1	22" X 40" INSULATED & FIRE-RATED ATTIC HATCH	08 31 13	BABCOCK DAVIS	BI-T-K-22X40-B		CONTRACTOR	CONTRACTOR
AP1	GLASS DOOR MERCHANDISER COOLER	11 31 00	-	-	-	OWNER	OWNER
AP2	REFRIGERATOR	11 31 00	WHIRLPOOL	WRR56X18FW	COORDINATE HOOK-UPS PER ELECTRICAL/PLUMBING DRAWINGS.	OWNER	CONTRACTOR
AP3	FREEZER	11 31 00	WHIRLPOOL	WZF34X20DW	COORDINATE HOOK-UPS PER ELECTRICAL/PLUMBING DRAWINGS.	OWNER	CONTRACTOR
DC1	DEFIBRILATOR CABINET WITH DEFIBRILATOR	10 43 13	JL INDUSTRIES	1436	SURFACE-MOUNTED CABINET. MOUNT AS REQUIRED FOR ADA.	CONTRACTOR	CONTRACTOR
DF1	DUAL LEVEL ELECTRIC WATER COOLER AND BOTTLE FILLER	-	-	SEE SPECS.	SEE PLUMBING DRAWINGS.	CONTRACTOR	CONTRACTOR
FE1	FIRE EXTINGUISHER AND CABINET	10 44 13	JL INDUSTRIES	SEE SPECS.	SEMI-RECESSED CABINET. MOUNT AS REQUIRED FOR ADA.	CONTRACTOR	OWNER
SS1	MOBILE STAINLESS STEEL WORK TABLE	-	SEE SPECS.	SEE SPECS.		OWNER	OWNER
WS1	WALL MOUNTED WIRE SHELVING	10 57 00	CLOSETMAID	305	PVC COATED	CONTRACTOR	CONTRACTOR

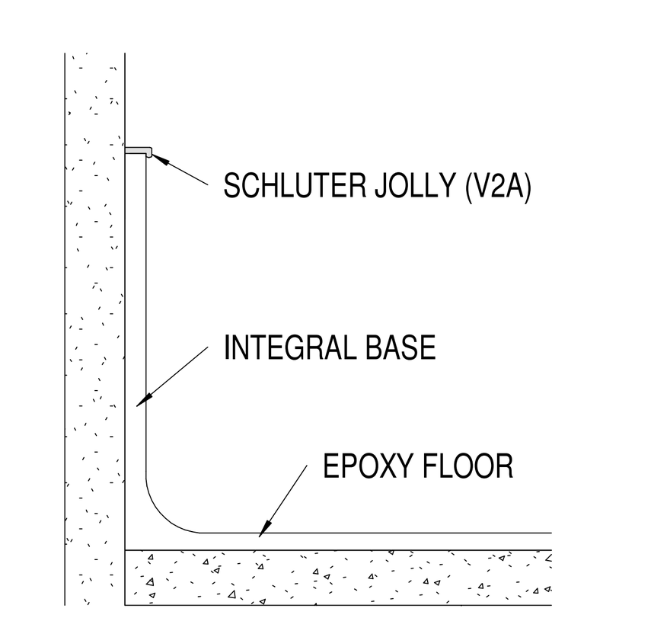
TOILET ACCESSORY SCHEDULE				
TYPE MARK	ITEM DESCRIPTION	MANUFACTURER	MODEL #	MOUNTING HEIGHT
T1	TOILET TISSUE DISPENSER -SURFACE MOUNTED	BY OWNER	-	MOUNT AS REQUIRED FOR ADA. COORDINATE LOCATION WITH GRAB BARS.
T2	SOAP DISPENSER - SURFACE MOUNTED	BY OWNER	-	-
T3	PAPER TOWEL DISPENSER	BY OWNER	-	-
T4	GRAB BAR - 36"	BOBRICK	B-6806	MOUNT @ 34" A.F.F. ADA HEIGHT
T5	GRAB BAR - 42"	BOBRICK	B-6806	MOUNT @ 34" A.F.F. ADA HEIGHT
T6	GRAB BAR - 18"	BOBRICK	B-6806	BOTTOM @ 40" A.F.F. INSTALLED VERTICALLY
T7	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	TOP @ 30" A.F.F.
T8	GLASS MIRROR - STAINLESS STEEL ANGLE FRAME	BOBRICK	B-165 2436	-
T9	URINAL SCREEN	SEE SPEC #10 21 13	-	-
T10	TOILET PARTITION	SEE SPEC #10 21 13	-	-
T11	BABY CHANGING STATION	KOALA KARE	KB300-00	
T12	24" x 24" ACCESS PANEL	NYSTROM	NTL 24x24	-
T13	3-POLE MOP RACK	BOBRICK	B-224	MOUNT TOP @ 48" AFF.
T14	HAND DRYER	BOBRICK	B-7125	MOUNT @ 34" A.F.F. ADA HEIGHT



2 A201 ENLARGED RESTROOM PLANS
SCALE: 1/4" = 1'-0"

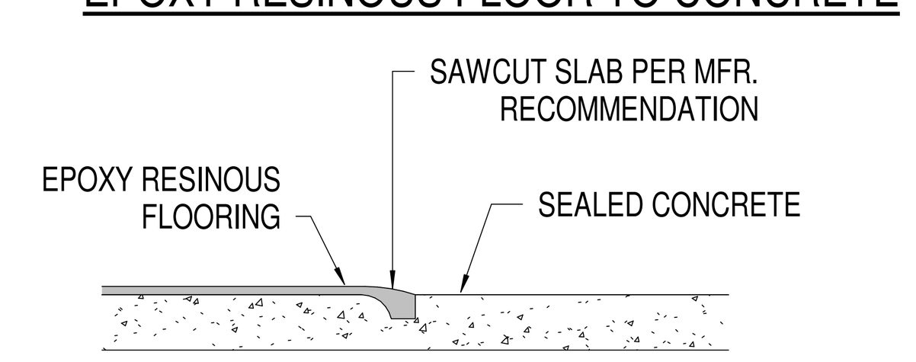
WALL TRANSITION DETAILS

CMU WALL WITH EPOXY BASE



FLOOR TRANSITION DETAILS

EPOXY RESINOUS FLOOR TO CONCRETE



FINISH LEGEND

FLOOR FINISHES

CONCRETE
SC1 — TYPE: SEALED CONCRETE; NOTE: SEE SPECIFICATIONS

EPOXY RESINOUS FLOORING - QUARTZ
EF1 — MFR: SHERWIN WILLIAMS; PRODUCT: RESUFLOR DECO QUARTZ; COLOR: STARRY EVENING; LOCATION: TICKETS, RESTROOMS

WALL BASE

RUBBER BASE
B1 — MFR: TARKETT/JOHNSONITE; STYLE: RUBBER COVE; COLOR: 40 BLACK; SIZE: 4"H

EPOXY BASE
EB1 — MFR: MATCH (EF1); STYLE: INTEGRAL COVE; COLOR: MATCH (EF1); SIZE: 4"H

WALL FINISHES

EPOXY PAINT
EP1 — MFR: SHERWIN WILLIAMS; COLOR: SW7015 REPOSE GRAY; NOTE: GENERAL PAINT
EP2 — MFR: SHERWIN WILLIAMS; COLOR: SW6258 TRICORN BLACK; NOTE: DOOR/FRAME PAINT
EP3 — MFR: SHERWIN WILLIAMS; COLOR: SW7007 CEILING BRIGHT WHITE; NOTE: CEILING PAINT

CASEWORK AND COUNTERTOPS

SOLID SURFACE
SS1 — MFR: CORIAN; STYLE: ACRYLIC/RESIN SOLID SURFACE; COLOR: ASH CONCRETE; LOCATION: COUNTER TOPS; NOTE:
SS2 — MFR: CORIAN; STYLE: ACRYLIC/RESIN SOLID SURFACE; COLOR: GLACIER WHITE; LOCATION: WINDOW STOOLS

STAINLESS STEEL
SSC — TYPE: STAINLESS STEEL; NOTE: SEE A501 AND SPECIFICATIONS

FINISH TAG KEY

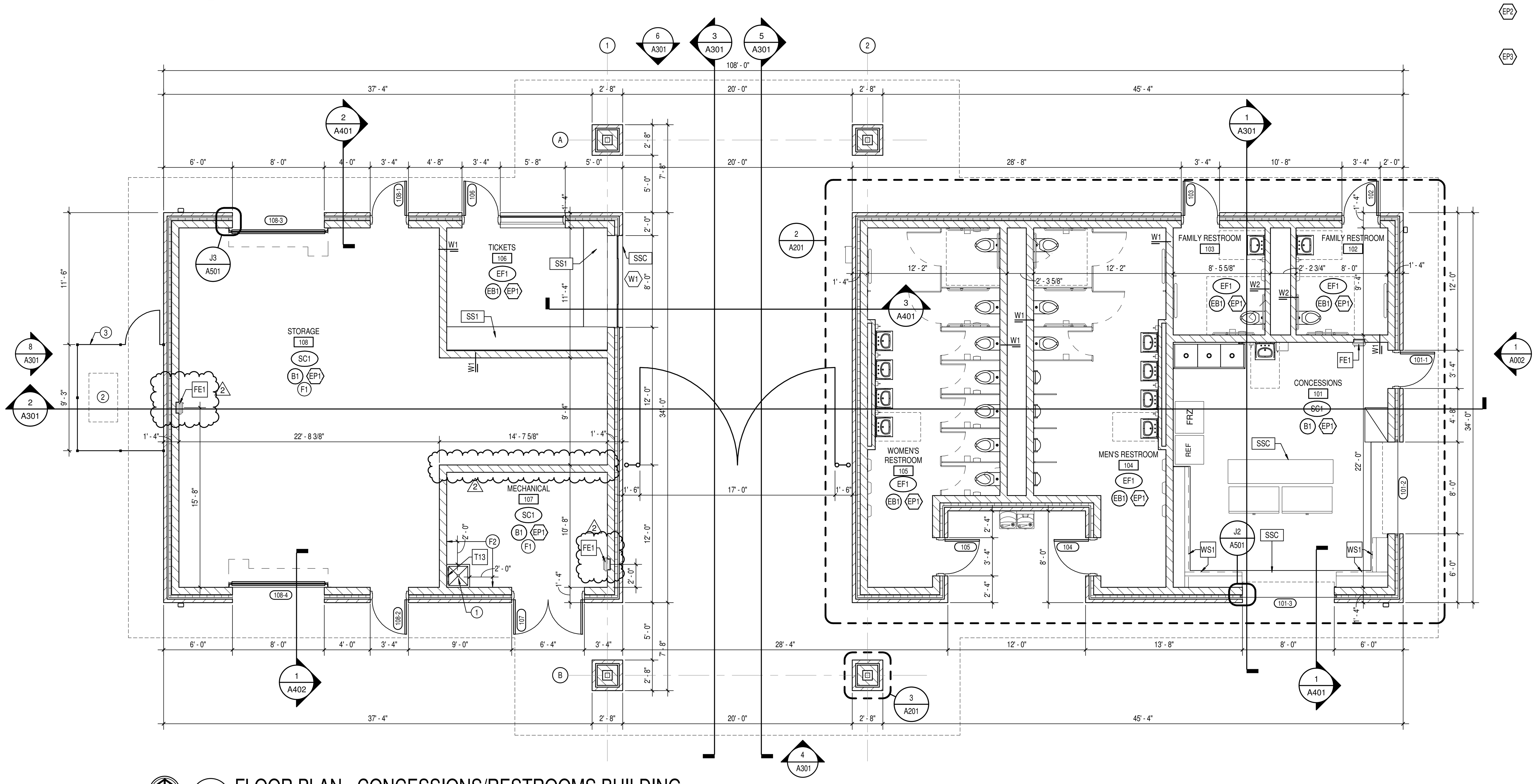
- XXX (oval) — FLOOR FINISH
- XX (circle) — BASE FINISH
- XX (hexagon) — WALL FINISH
- XXX / XXX — HORIZONTAL FINISH (COUNTERTOP) / VERTICAL FINISH (CASEWORK)
- XXX (box) — COUNTERTOP, CASEWORK OR MISCELLANEOUS FINISH ONLY REFER TO FINISH LEGEND
- XX (hexagon with arrows) — ACCENT WALL FINISH

FINISH PLAN NOTES

F1 ALL EXPOSED STRUCTURE & CEILIING/DECKING TO BE PAINTED (EP3), U.N.O. SEE A202 FOR ALL CEILING INFORMATION.
F2 WALLS INDICATED SURROUNDING MOP SINK TO RECEIVE FRP FROM MFR'S FULL RANGE. FRP TO BE INSTALLED VERTICALLY, FULL HEIGHT (8') & RUN A FULL PANEL (4') ON EITHER WALL, UNLESS EXTENTS NOTED OTHERWISE ON PLAN.

PLAN NOTES

1 MOP SINK.
2 ~~MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS.~~
3 4'-0" HIGH DECORATIVE ALUMINUM LOUVER-STYLE FENCE, SEE SPECIFICATIONS. (2)



1 A201 FLOOR PLAN - CONCESSIONS/RESTROOMS BUILDING
SCALE: 3/16" = 1'-0"

LIFE SAFETY INFORMATION

INDIANA BUILDING CODE - 2014
(2012 INTERNATIONAL BUILDING CODE & STATE AMENDMENTS)
INDIANA FIRE CODE - 2014
(2012 INTERNATIONAL FIRE CODE & STATE AMENDMENTS)
INDIANA ELECTRICAL CODE - 2009
(2008 NATIONAL ELECTRICAL CODE & STATE AMENDMENTS)
INDIANA MECHANICAL CODE - 2014
(2012 INTERNATIONAL MECHANICAL CODE & STATE AMENDMENTS)
INDIANA PLUMBING CODE - 2012
(2006 INTERNATIONAL PLUMBING CODE & STATE AMENDMENTS)
INDIANA ACCESSIBILITY CODE - 2014 I.B.C., CHAP. 11 (ANSI A117.1-2009)
INDIANA ENERGY CONSERVATION CODE - 2011 (ASHRAE 90.1, 2007 EDITION)
NFPA 10 - 2010 EDITION, PORTABLE FIRE EXTINGUISHERS
INDIANA GENERAL ADMINISTRATIVE RULES (675 IAC 12)
AMERICANS WITH DISABILITIES ACT (FEDERAL LAW) JULY 26, 1992

BUILDING INFORMATION

NEW/TOTAL AREA: 2,992 SQUARE FEET
BUILDLING CONSTRUCTION TYPE: V-B, NON-SPRINKLERED
BUILDING USE GROUP CLASSIFICATION: B

GENERAL NOTES

A. COORDINATE THE WORK OF EACH TRADE WITH THE WORK OF OTHER TRADES.
B. ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS AND STANDARDS INCLUDING, BUT NOT LIMITED TO THOSE LISTED ON THE COVER SHEET. ALL APPLICABLE RULES & REGULATIONS ARE TO BE THE MOST CURRENT ADOPTED EDITIONS.
C. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE, AND SHALL CONFORM WITH THE LATEST EDITION OF ALL FEDERAL, STATE, AND LOCAL CODES AND STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS, AS IF REPEATED HEREIN.
D. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS, AND BOTH ARE INTENDED TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
E. CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE, HOWEVER, SYSTEMS HAVE BEEN SHOWN DIAGRAMMATICALLY AND IN SOME CASES, ENLARGED FOR CLARITY. PROVIDE ADDITIONAL ITEMS AS REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM.
F. CONTRACTOR SHALL PROVIDE ANY AND ALL TEMPORARY UTILITY SERVICE REQUIRED TO CONSTRUCT THE WORK. CONTRACTOR MAY EXTEND SERVICES FROM EXISTING LOCATIONS TO WHERE THEY ARE REQUIRED. REMOVE TEMPORARY UTILITIES AND RELATED EXTENSIONS AS SOON AS PRACTICABLE. RESTORE ALL AFFECTED AREAS TO ORIGINAL CONDITION.
G. STORE VOLATILE OR FLAMMABLE LIQUIDS IN UL LISTED FIRE CABINETS.
H. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF ALL STORED MATERIALS AND EQUIPMENT INSIDE OR OUTSIDE THE BUILDING.
I. CONTRACTOR SHALL FURNISH NECESSARY TEMPORARY PROTECTION FROM WEATHER TO PROTECT INTERIOR OF BUILDING FROM ELEMENTS OF WEATHER AT ALL TIMES.
J. CONTRACTOR RESPONSIBLE FOR TRAFFIC PROTECTION DURING CONSTRUCTION. AREAS OF WORK SUBJECTED TO TRAFFIC BY VARIOUS TRADES SHALL BE PROTECTED BY TEMPORARY WALK PADS.
K. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
L. ALL DIMENSIONS ARE FROM CENTERLINE OF STRUCTURE, FINISH FACE OF WALL, FACE OF MASONRY, OR FACE OF EXISTING.
M. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
N. REFER TO WALL TYPE SCHEDULE AND NOTES (A201) TO DETERMINE WHICH WALLS DO NOT EXTEND TO STRUCTURE ABOVE.
O. REFER TO PLUMBING PLANS FOR LOCATION OF FLOOR DRAINS.
P. WHERE ACCESS PANELS ARE SHOWN IN TOILET ROOM CHASES, FINAL LOCATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.
Q. ALL CONCRETE MASONRY UNITS (CMU) SHALL BE LAID RUNNING BOND U.N.O. CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
R. THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM (R-15 MIN.) HORIZONTAL.
S. PROVIDE MISCELLANEOUS SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
T. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (E.G. A100-1). SEE A500 SERIES DRAWINGS FOR DOOR SCHEDULE AND DETAILS.
U. ALL DOOR FRAMES SHALL BE LOCATED 4" OFF FINISH WALLS OR 4" OFF MASONRY WALLS UNLESS NOTED OTHERWISE.
V. ALL GLASS AT INTERIOR DOOR FRAMES, DOOR LITES AND WINDOW FRAMES IS TO BE 1/4" CLEAR TEMPERED GLASS UNLESS NOTED OTHERWISE.
W. ALL SLAB-ON-GRADE CONTROL JOINTS TO BE CLEANED AND CAULKED PRIOR TO PLACEMENT OF FLOOR FINISH.
X. SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAILS.
Y. REFER TO MECHANICAL DRAWINGS FOR WALL LOUVER LOCATIONS, SIZES AND QUANTITIES.
Z. SEE A800 SERIES DRAWINGS FOR FINISH LEGEND AND PLANS.
AA. SEE A200 AND A500 SERIES DRAWINGS FOR EQUIPMENT SCHEDULE AND PLANS. PROVIDE BLOCKING IN STUD WALLS AND/OR GROUTED MASONRY CORES AS REQUIRED TO SUPPORT EQUIPMENT.
BB. WHERE DISIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR UNLESS NOTED OTHERWISE.
CC. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (E.G. MASONRY TO GYPSUM WALL BOARD) UTILIZING THE APPROPRIATE TYPE PER SPECIFICATIONS. COLOR TO BE SELECTED BY ARCHITECT.
DD. APPLY SEALANT AT ALL COUNTERTOPS AND BLACKSPLASHES AT JUNCTURE WITH WALL.
EE. ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT.
FF. BASE FLOOR ELEVATION INDICATED FOR THIS PROJECT IS 0'-0" REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

GENERAL FINISH NOTES

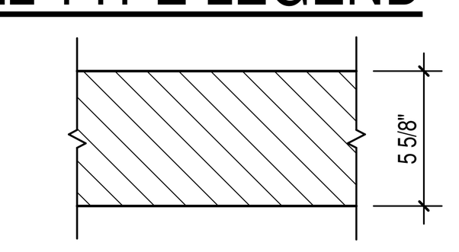
1. ANY DISCREPANCIES WITHIN THE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF CSO ARCHITECTS PRIOR TO INSTALLATION. THESE DOCUMENTS WILL GOVERN OVER PREVIOUS SUPPLEMENTAL DRAWINGS.
2. THE SCHEDULED MATERIALS SHALL NOT BE INSTALLED BEFORE THE CONTRACTOR'S PHYSICAL COLOR SUBMITTALS HAVE BEEN APPROVED, AS REQUIRED IN THE SPECIFICATIONS. IF ANY MATERIAL IS INSTALLED BEFORE APPROVAL, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL, REPLACEMENT PURCHASE, AND INSTALLATION OF ALL ERRONEOUS PRODUCT.
3. ALL SURFACES RECEIVING FINISHES SHALL BE PROPERLY PREPARED PER MANUFACTURERS' SPECIFICATIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING CONDITIONS.
4. SEE INTERIOR PAINT SPECIFICATIONS FOR SCHEDULE OF COATING TYPE PER SUBSTRATE AND SHEEN. CONTRACTOR TO PROVIDE CRISP, CLEAN LINES BETWEEN ALL PAINT TRANSITIONS.
5. ALL WALL-MOUNTED GRILLES, METAL PANELS, MISC. METALS, ETC. ARE TO BE PAINTED TO MATCH THE ADJACENT WALL FINISH U.N.O.
6. ALL HOLLOW METALS DOORS & FRAMES ARE TO BE PAINTED (EP2). PROPER SURFACE PREPARATION REQUIRED PER MANUFACTURER'S REQUIREMENTS. SEE SPECIFICATIONS FOR PAINT TYPE,SHEEN, AND ADDITIONAL INFORMATION.
7. ALL GWB SOFFITS/BULKHEADS TO HAVE VERTICAL FACES PAINTED TO MATCH ADJACENT WALLS, AND UNDERSIDE TO BE PAINTED (EP3), U.N.O. SEE A202 AND SPECIFICATIONS FOR ALL CEILING MATERIALS, THEIR LOCATIONS, AND ADDITIONAL INFORMATION.
8. PLASTIC TOILET PARTITIONS ARE TO BE ASI GROUP, BLACK (9205). PARTITIONS MUST MEET NFPA 286. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. ALL WINDOW STOOLS ARE TO BE (SS2).

WALL TYPE NOTES

1. CMU WALLS WITH A " # " SYMBOL FOLLOWING THE WALL TYPE SHALL STOP 8" ABOVE LOW CEILING HEIGHT AS INDICATED IN REFLECTED CEILING PLANS.
2. WALL TYPES ARE ASSUMED TO BE CONTINUOUS WITHIN THE SAME PLANE OR SURFACE UNTIL ANOTHER TAG IS SHOWN.

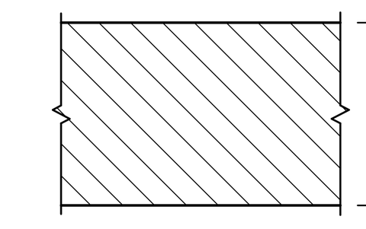
WALL TYPE LEGEND

W1



- 5 5/8" CONCRETE MASONRY UNIT

W2



- 7 5/8" CONCRETE MASONRY UNIT

NOBLESVILLE SCHOOLS

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PROJECT:
NOBLESVILLE EAST MIDDLE SCHOOL
SITE BUILDING
1625 Field Dr, Noblesville, IN 46060

SCOPE DRAWINGS:
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REVISIONS:

1	ADDENDUM #1	01/17/25
2	ADDENDUM #2	01/25/25

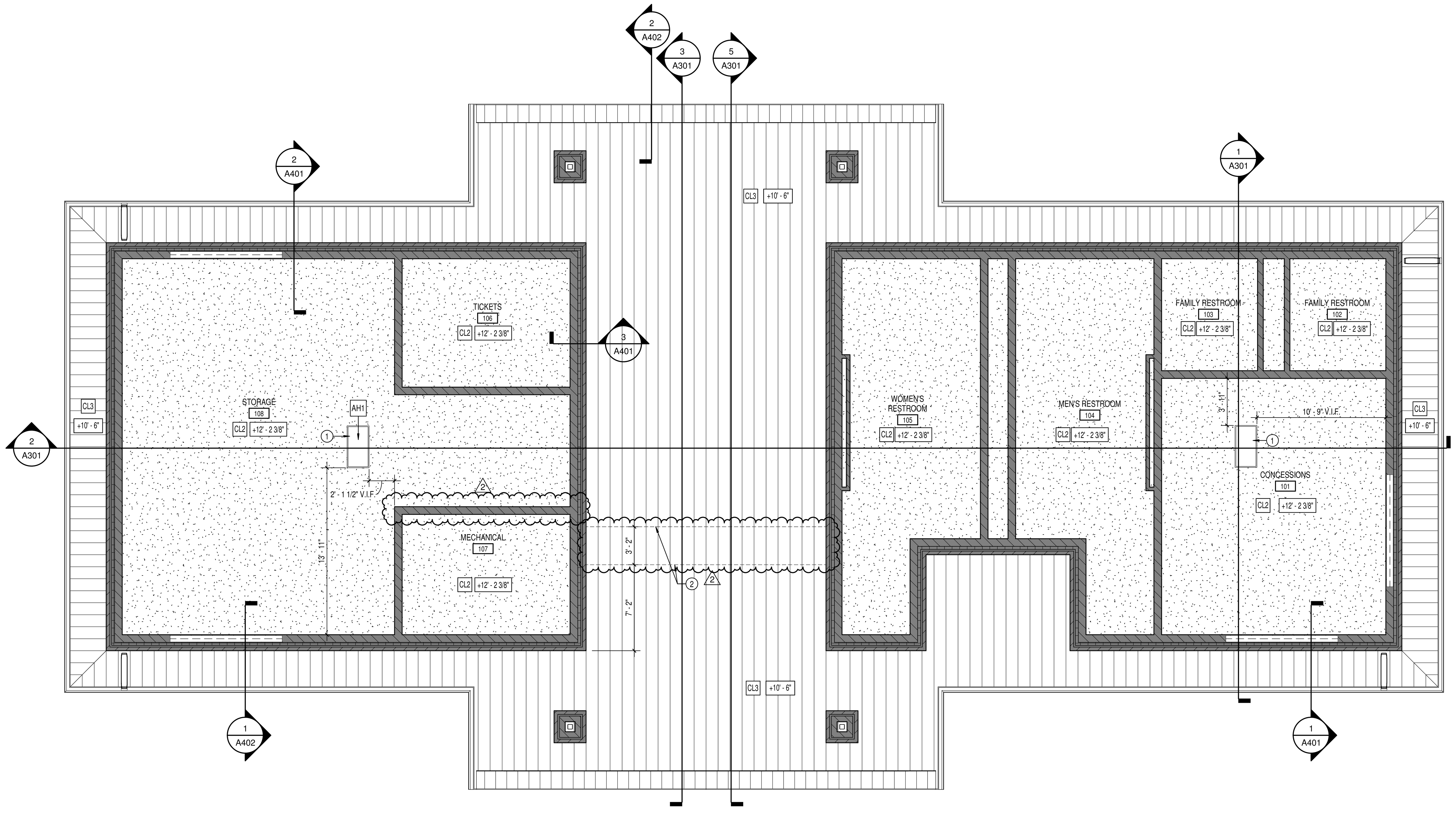
ISSUE DATE	DRAWN BY	CHECKED BY
01/10/25	MEW	NW

DRAWING TITLE:
FLOOR PLAN

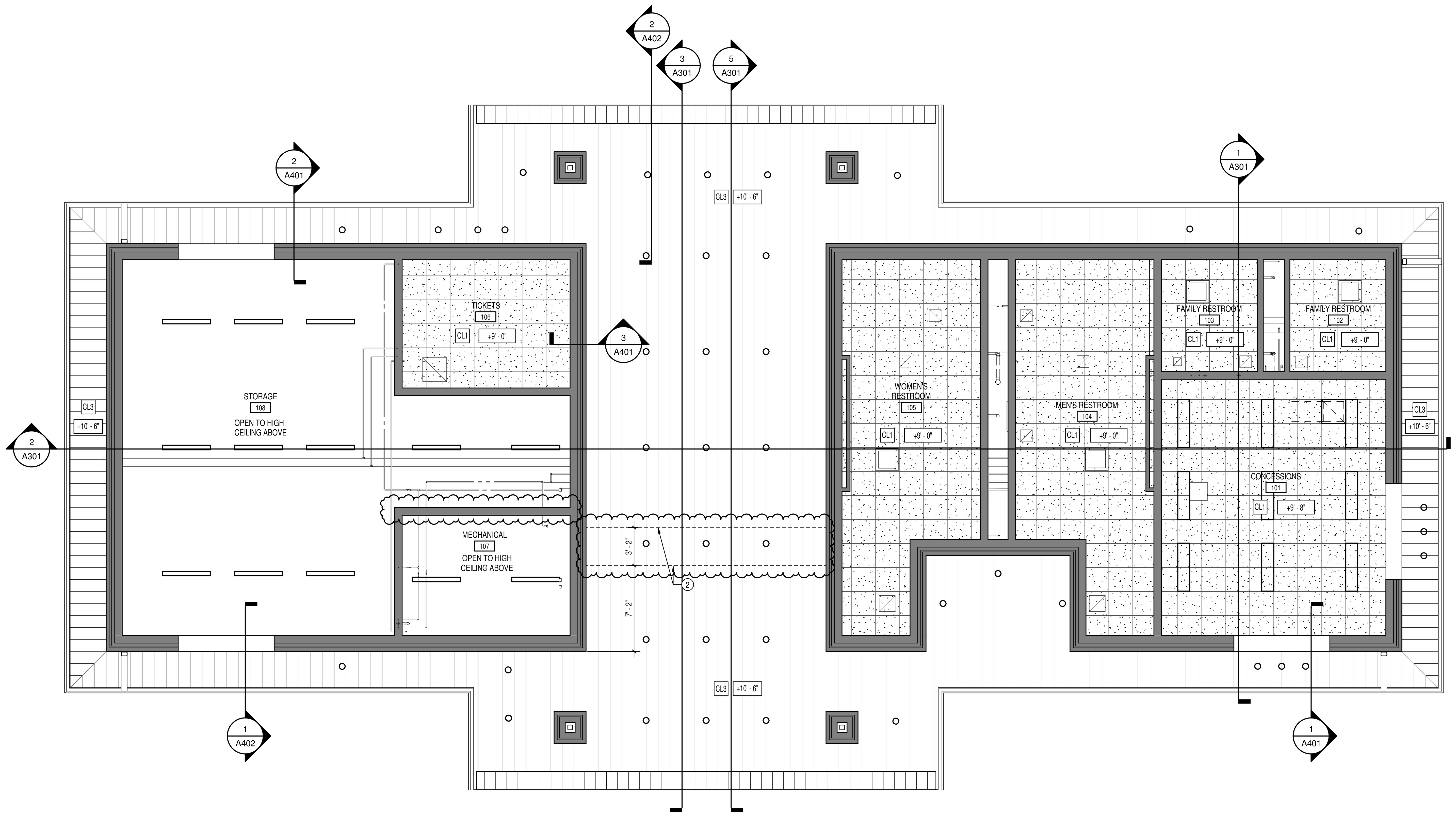
CERTIFIED BY:
BRADLEY J. KROHN REGISTERED No. AR10800070 STATE OF INDIANA ARCHITECT

DRAWING NUMBER
A201

PROJECT NUMBER
2024078



2 A202 REFLECTED CEILING PLAN - HIGH
SCALE: 3/16" = 1'-0"



1 A202 REFLECTED CEILING PLAN - LOW
SCALE: 3/16" = 1'-0"

GENERAL NOTES

- A. COORDINATE THE WORK OF EACH TRADE WITH THE WORK OF OTHER TRADES.
- B. ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS AND STANDARDS INCLUDING, BUT NOT LIMITED TO THOSE LISTED ON THE COVER SHEET. ALL APPLICABLE RULES & REGULATIONS ARE TO BE THE MOST CURRENT ADOPTED EDITIONS.
- C. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE, AND SHALL CONFORM WITH THE LATEST EDITION OF ALL FEDERAL, STATE, AND LOCAL CODES AND STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS, AS IF REPEATED HEREIN.
- D. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS, AND BOTH ARE INTENDED TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
- E. CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE, HOWEVER, SYSTEMS HAVE BEEN SHOWN DIAGRAMMATICALLY AND IN SOME CASES, ENLARGED FOR CLARITY. PROVIDE ADDITIONAL ITEMS AS REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM.
- F. CONTRACTOR SHALL PROVIDE ANY AND ALL TEMPORARY UTILITY SERVICE REQUIRED TO CONSTRUCT THE WORK. CONTRACTOR MAY EXTEND SERVICES FROM EXISTING LOCATIONS TO WHERE THEY ARE REQUIRED. REMOVE TEMPORARY UTILITIES AND RELATED EXTENSIONS AS SOON AS PRACTICABLE. RESTORE ALL AFFECTED AREAS TO ORIGINAL CONDITION.
- G. STORE VOLATILE OR FLAMMABLE LIQUIDS IN UL LISTED FIRE CABINETS.
- H. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF ALL STORED MATERIALS AND EQUIPMENT INSIDE OR OUTSIDE THE BUILDING.
- I. CONTRACTOR SHALL FURNISH NECESSARY TEMPORARY PROTECTION FROM WEATHER TO PROTECT INTERIOR OF BUILDING FROM ELEMENTS OF WEATHER AT ALL TIMES.
- J. CONTRACTOR RESPONSIBLE FOR TRAFFIC PROTECTION DURING CONSTRUCTION. AREAS OF WORK SUBJECTED TO TRAFFIC BY VARIOUS TRADES SHALL BE PROTECTED BY TEMPORARY WALK PADS.
- K. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
- L. ALL DIMENSIONS ARE FROM CENTERLINE OF STRUCTURE, FINISH FACE OF WALL, FACE OF MASONRY, OR FACE OF EXISTING.
- M. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
- N. REFER TO WALL TYPE SCHEDULE AND NOTES (A201) TO DETERMINE WHICH WALLS DO NOT EXTEND TO STRUCTURE ABOVE.
- O. REFER TO PLUMBING PLANS FOR LOCATION OF FLOOR DRAINS.
- P. WHERE ACCESS PANELS ARE SHOWN IN TOILET ROOM CHASES, FINAL LOCATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.
- Q. ALL CONCRETE MASONRY UNITS (CMU) SHALL BE LAID RUNNING BOND U.N.O. CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- R. THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM (R-15 MIN.) HORIZONTAL.
- S. PROVIDE MISCELLANEOUS SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
- T. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (E.G. A100-1). SEE A500 SERIES DRAWINGS FOR DOOR SCHEDULE AND DETAILS.
- U. ALL DOOR FRAMES SHALL BE LOCATED 4" OFF FINISH WALLS OR 4" OFF MASONRY WALLS UNLESS NOTED OTHERWISE.
- V. ALL GLASS AT INTERIOR DOOR FRAMES, DOOR LITES AND WINDOW FRAMES IS TO BE 1/4" CLEAR TEMPERED GLASS UNLESS NOTED OTHERWISE.
- W. ALL SLAB-ON-GRADE CONTROL JOINTS TO BE CLEANED AND CAULKED PRIOR TO PLACEMENT OF FLOOR FINISH.
- X. SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAILS.
- Y. REFER TO MECHANICAL DRAWINGS FOR WALL LOUVER LOCATIONS, SIZES AND QUANTITIES.
- Z. SEE A800 SERIES DRAWINGS FOR FINISH LEGEND AND PLANS.
- AA. SEE A200 AND A500 SERIES DRAWINGS FOR EQUIPMENT SCHEDULE AND PLANS. PROVIDE BLOCKING IN STUD WALLS AND/OR GROUTED MASONRY CORES AS REQUIRED TO SUPPORT EQUIPMENT.
- BB. WHERE DISIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR UNLESS NOTED OTHERWISE.
- CC. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (E.G. MASONRY TO GYPSUM WALL BOARD) UTILIZING THE APPROPRIATE TYPE PER SPECIFICATIONS. COLOR TO BE SELECTED BY ARCHITECT.
- DD. APPLY SEALANT AT ALL COUNTERTOPS AND BLACKSPLASHES AT JUNCTURE WITH WALL.
- EE. ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT.
- FF. BASE FLOOR ELEVATION INDICATED FOR THIS PROJECT IS 0'-0" REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

GENERAL REFLECTED CEILING PLAN NOTES

- A. SEE THE ELECTRICAL DRAWINGS FOR SIZES, TYPES, AND QUANTITIES OF LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, AND OTHER CEILING MOUNTED ELECTRICAL DEVICES.
- B. SEE THE MECHANICAL DRAWINGS FOR SIZES, TYPES, AND QUANTITIES OF DIFFUSERS, GRILLES, AND OTHER MECHANICAL CEILING MOUNTED DEVICES.
- C. PROVIDE, FIELD LOCATE AND INSTALL 16"x16" FLUSH ACCESS PANELS AT ALL MECHANICAL AND PLUMBING PIPING VALVE LOCATIONS ABOVE SUSPENDED GYPSUM BOARD CEILINGS. SEE THE MECHANICAL, AND PLUMBING DRAWINGS FOR LOCATIONS.
- D. SEE THE STRUCTURAL DRAWINGS FOR MASONRY WALLS USED FOR SHEAR WALLS THAT ARE REQUIRED TO EXTEND TO DECK/STRUCTURE ABOVE. PROVIDE BRACING FOR ALL MASONRY WALLS NOT EXTENDING TO THE DECK/STRUCTURE AS DETAILED ON STRUCTURAL DRAWINGS.
- E. THE SUSPENDED ACOUSTICAL TILE CEILING GRID AS SHOWN ON THESE DRAWINGS IS REPRESENTATIONAL. THE CEILING GRID IS TO BE BROKEN AS REQUIRED AT LIGHT FIXTURES, PROJECTION SCREENS, ETC.
- F. SEE MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS FOR ADDITIONAL CEILING WORK REQUIRED BY NEW MEP WORK.

REFLECTED CEILING LEGEND

- FLUORESCENT LIGHT FIXTURES, RECESSED OR SURFACED MOUNTED, SEE ELECTRICAL DRAWINGS
- DOWNLIGHT/HIGH BAY LIGHT FIXTURE; SEE ELECTRICAL DRAWINGS
- CEILING MOUNTED PROJECTOR, SEE TECHNOLOGY DRAWINGS
- RETURN/EXHAUST GRILL; SEE MECHANICAL DRAWINGS
- SUPPLY AIR GRILL; SEE MECHANICAL DRAWINGS
- LINEAR SLOT SUPPLY AIR GRILL; SEE MECHANICAL DRAWINGS
- CL1 SUSPENDED ACOUSTICAL LAY-IN CEILING
  MFG: ARMSTRONG MODEL #1935
  STYLE: ULTIMA HEALTH ZONE
  DESCRIPTION: SQUARE EDGE
  COLOR: WHITE SIZE: 2' x 2' x 3/4"
  LOCATION: RESTROOMS/CONCESSIONS/TICKET OFFICE
- CL2 GYPSUM BOARD ON BOTTOM CHORD OF TRUSSES
  USE 5/8" WALLBOARD
  PAINT: CEILING BRIGHT WHITE UNLESS NOTED OTHERWISE.
- CL3 VENTED METAL PANEL SOFFIT
- +0' - 0" CEILING ELEVATION MARK ABOVE FINISHED FLOOR (AT THAT LOCATION IF MULTIPLE FLOOR LEVELS ARE PRESENT)

REFLECTED CEILING PLAN NOTES

1. COORDINATE FINAL LOCATION OF HATCH BETWEEN ROOF JOISTS, COORDINATE WITH STRUCTURAL FRAMING DRAWINGS.
2. OUTLINE OF INSULATED CHASE ABOVE SOFFIT, SEE DETAIL 6/A401.

NOBLESVILLE SCHOOLS

CSO
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317.848.7800 | csoinc.net

PROJECT:
NOBLESVILLE EAST MIDDLE SCHOOL
SITE BUILDING
1625 Field Dr, Noblesville, IN 46060

SCOPE DRAWINGS:
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1	ADDENDUM #1	01/17/25
2	ADDENDUM #2	01/25/25

ISSUE DATE	DRAWN BY	CHECKED BY
01/10/25	MEW	NW

DRAWING TITLE:
REFLECTED CEILING PLANS

CERTIFIED BY:
BRADLEY J. KROHN REGISTERED No. AR10800070 STATE OF INDIANA ARCHITECT

DRAWING NUMBER
A202

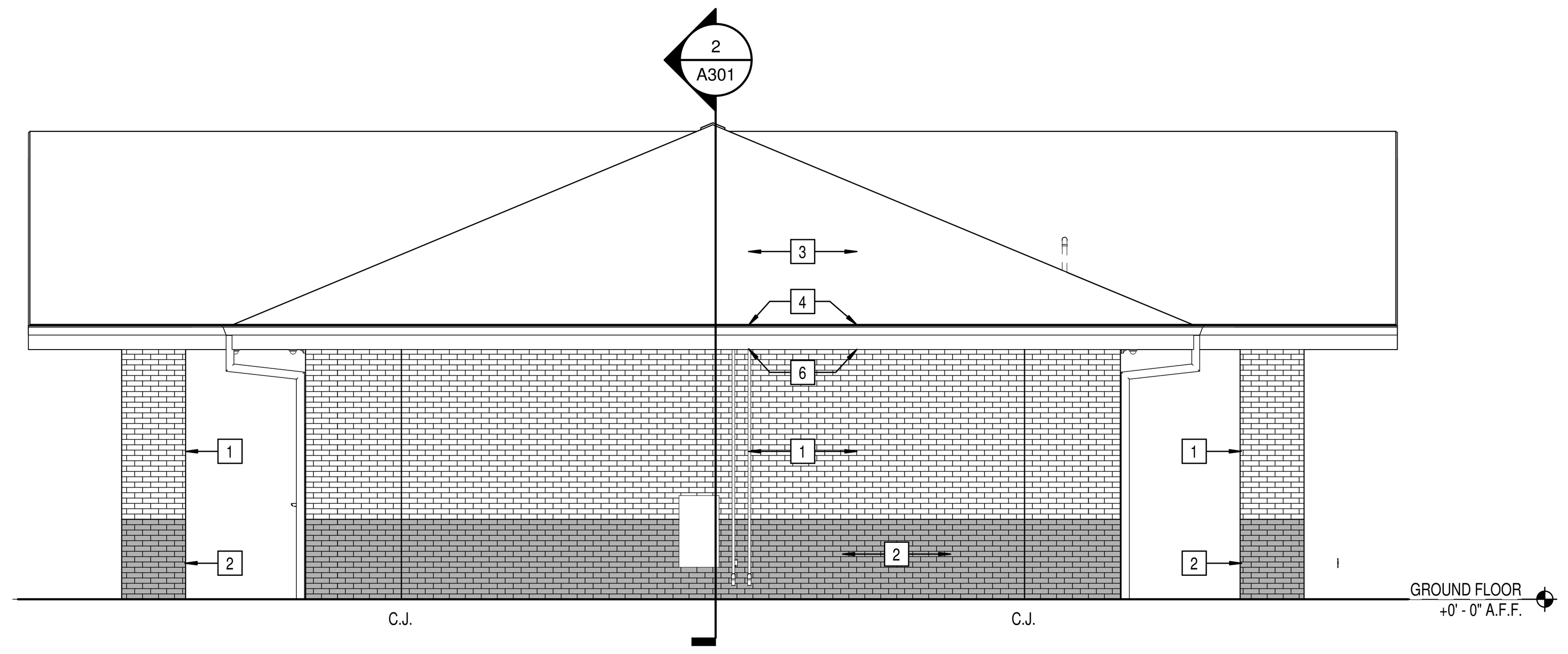
PROJECT NUMBER
2024078

ELEVATION NOTES

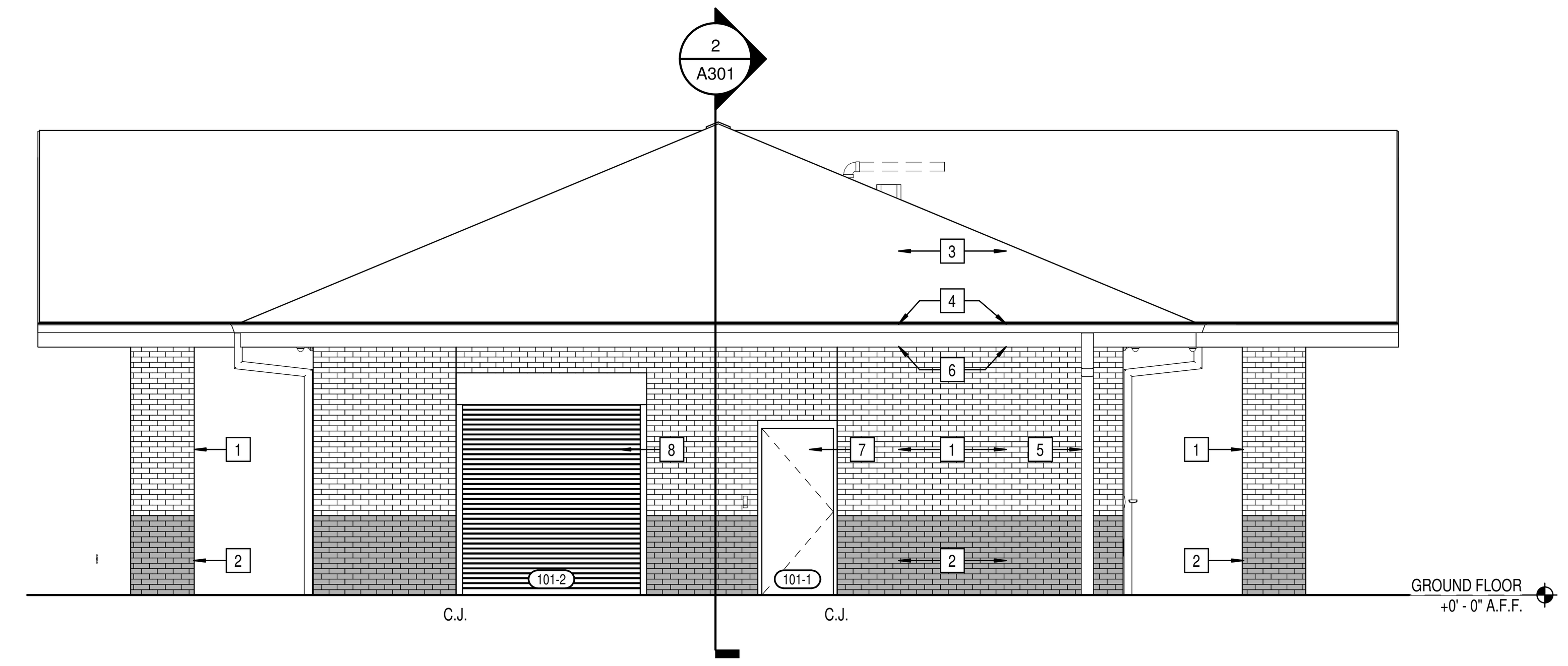
1. FACE BRICK TYPE 1 - LIGHT FIELD BRICK.
2. FACE BRICK TYPE 2 - DARK ACCENT BRICK.
3. ASPHALT SHINGLE ROOF.
4. MANUFACTURED METAL GUTTER.
5. MANUFACTURED METAL DOWNSPOUT.
6. METAL FASCIA CLADDING.
7. HOLLOW METAL DOOR.
8. OVERHEAD COILING DOOR.
9. FIBER CEMENT SIDING.
10. DIMENSIONAL LETTERS.
11. 4'-0" HIGH DECORATIVE ALUMINUM LOUVER-STYLE FENCE, SEE SPECIFICATIONS. (2)
12. SURFACE-MOUNTED AED EQUIPMENT CABINET WITH DEFIBRILATOR. (2)

KEYNOTE LEGEND

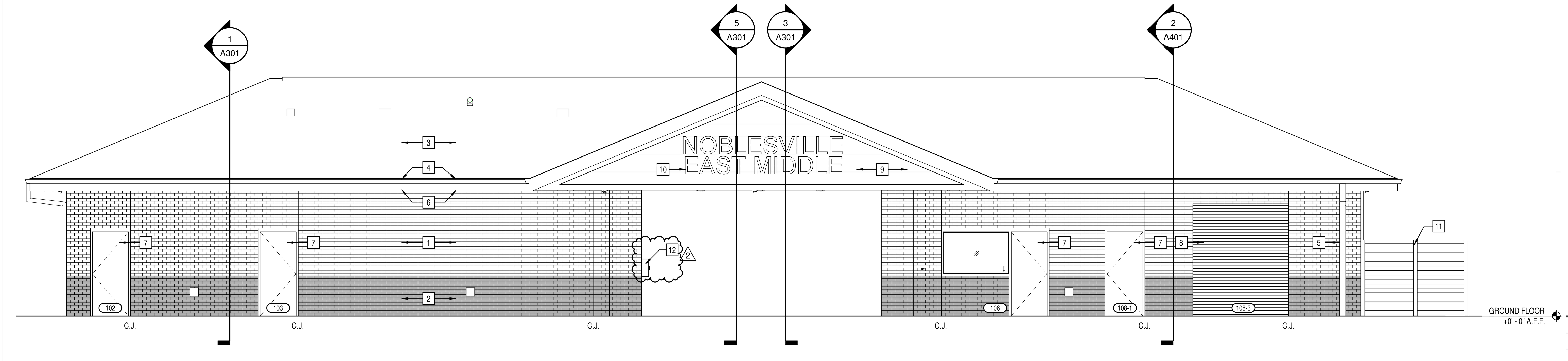
03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL - SEE STRUCTURAL
03 30 00-B	CONCRETE FOOTING - SEE STRUCTURAL
03 30 00-C	1/2" EXPANSION MATERIAL
04 20 00-A	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-B	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-C	WEEP HOLES AT 16" O.C.
04 20 00-E	CAVITY DRAINAGE MATERIAL
04 20 00-F	FACE BRICK - SEE ELEVATIONS
04 20 00-G	CONCRETE MASONRY UNIT
04 20 00-I	BOND BEAM MASONRY LINTEL
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER - SEE STRUCTURAL
05 12 00-B	STEEL ANGLE - SEE STRUCTURAL
05 50 00-A	MISCELLANEOUS STEEL - SEE STRUCTURAL
05 50 00-B	GALVANIZED STEEL BRICK LINTEL
06 10 00-A	2X6 WOOD STUDS AT 16" O.C.
06 10 00-B	2X WOOD FRAMING
06 10 00-C	2X WOOD BLOCKING
06 10 00-D	SHIM AS REQUIRED
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 17 53-A	WOOD TRUSSES - SEE STRUCTURAL
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24")
07 21 00-B	MINERAL WOOL BATT INSULATION
07 21 00-C	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER, VAPOR PERMEABLE
07 31 13-A	ASPHALT SHINGLE ROOF
07 31 13-B	HIGH TEMPERATURE SELF-ADHERING SHEET UNDERLAYMENT
07 42 53-A	METAL SOFFIT PANELS
07 46 46-A	FIBER CEMENT SIDING
07 62 00-A	FASCIA CLADDING
07 71 00-A	MANUFACTURED GUTTER
07 92 00-B	SEALANT EACH SIDE, TYPICAL
08 11 13-A	HOLLOW METAL FRAME
08 31 13-A	24"W x 40"H SELF-CLOSING AND LATCHING NON-RATED DRAFTSTOPPING DOOR
08 33 13-A	OVERHEAD COILING COUNTER DOOR
08 33 23-A	OVERHEAD COILING DOOR
08 56 80-A	SLIDING TRANSACTION WINDOW
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
32 13 16-A	CONCRETE PAVING - SEE CIVIL SHEETS



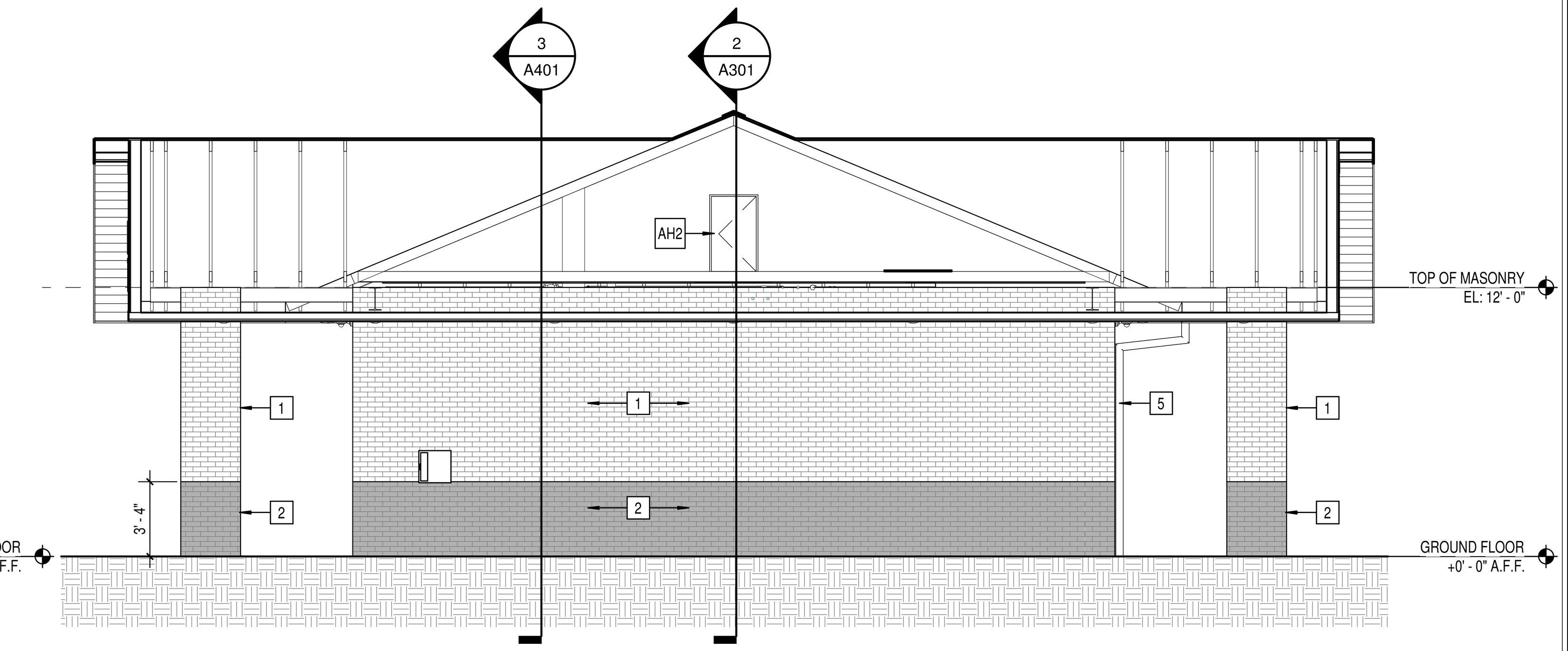
8 A301 BUILDING ELEVATION - WEST
SCALE: 3/16" = 1'-0"



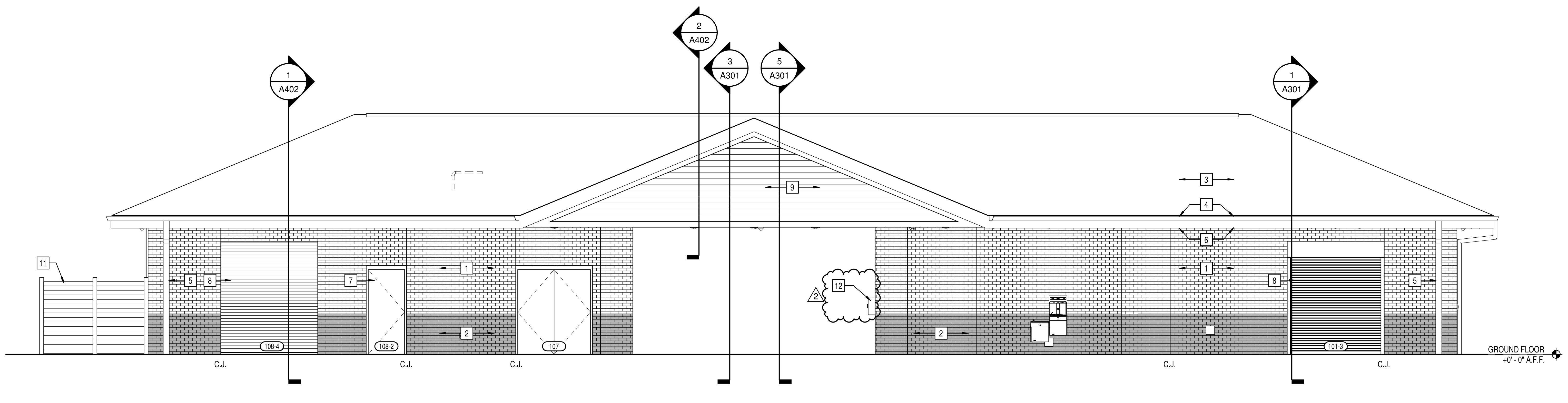
7 A301 BUILDING ELEVATION - EAST
SCALE: 3/16" = 1'-0"



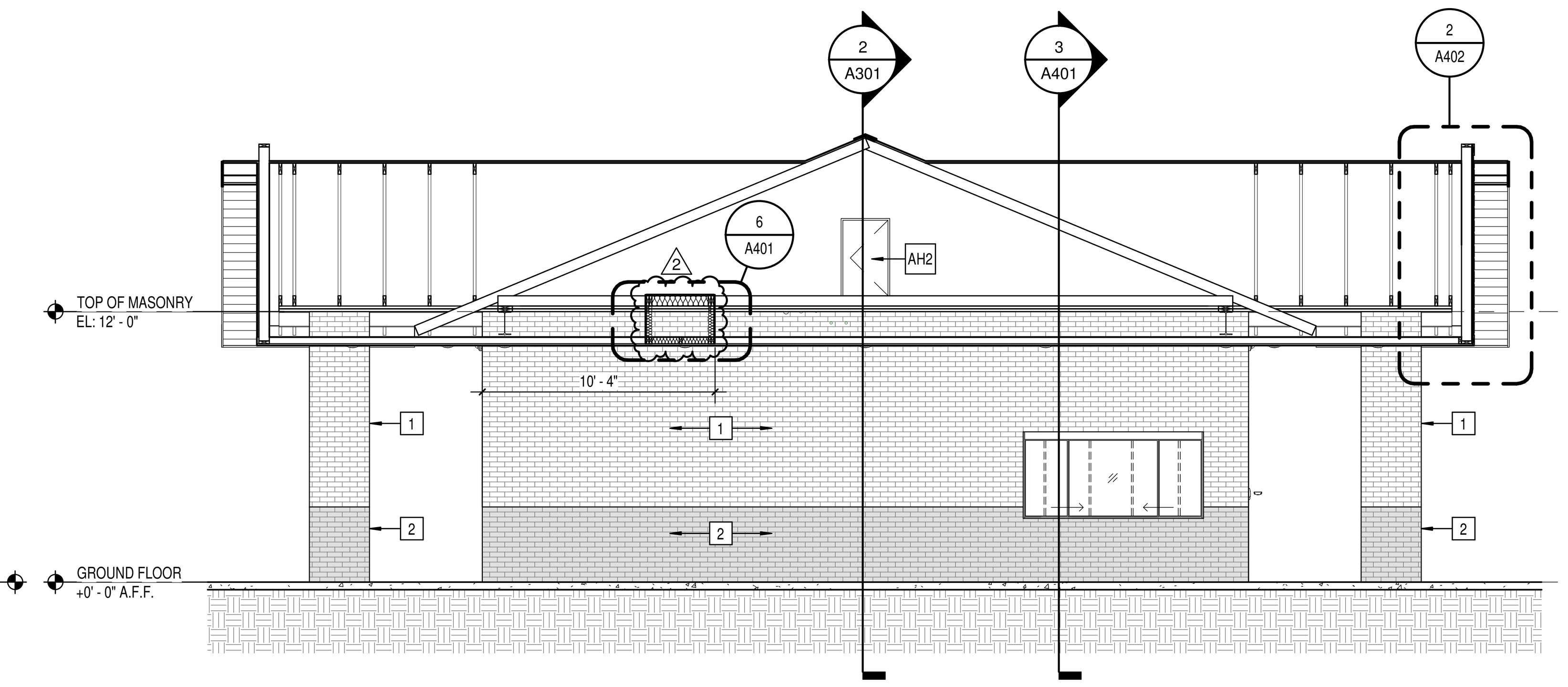
6 A301 BUILDING ELEVATION - NORTH
SCALE: 3/16" = 1'-0"



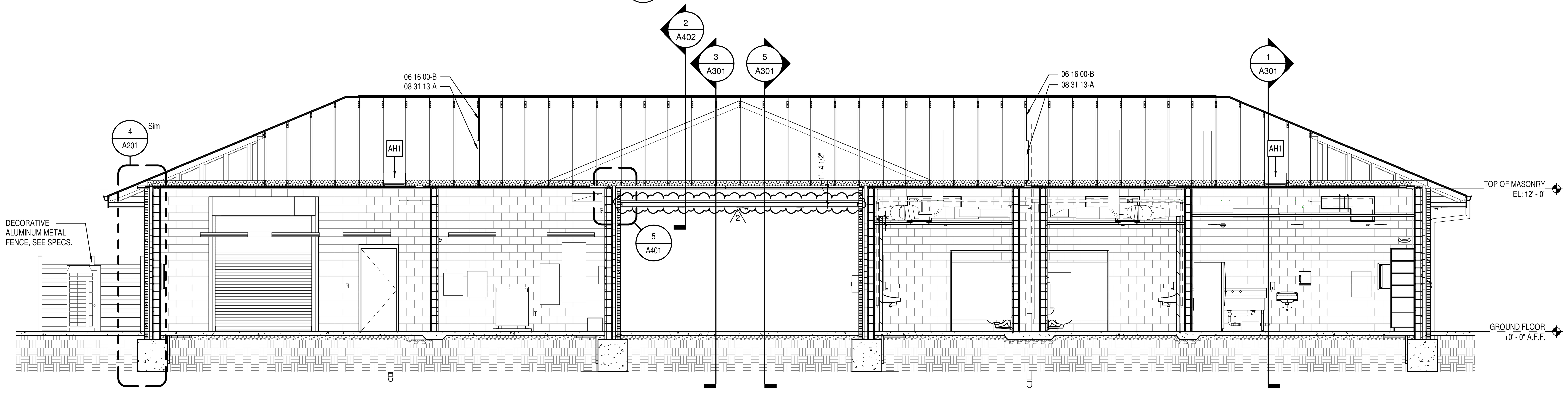
5 A301 BUILDING SECTION
SCALE: 3/16" = 1'-0"



4 A301 BUILDING ELEVATION - SOUTH
SCALE: 3/16" = 1'-0"



3 A301 BUILDING SECTION
SCALE: 3/16" = 1'-0"



2 A301 BUILDING SECTION
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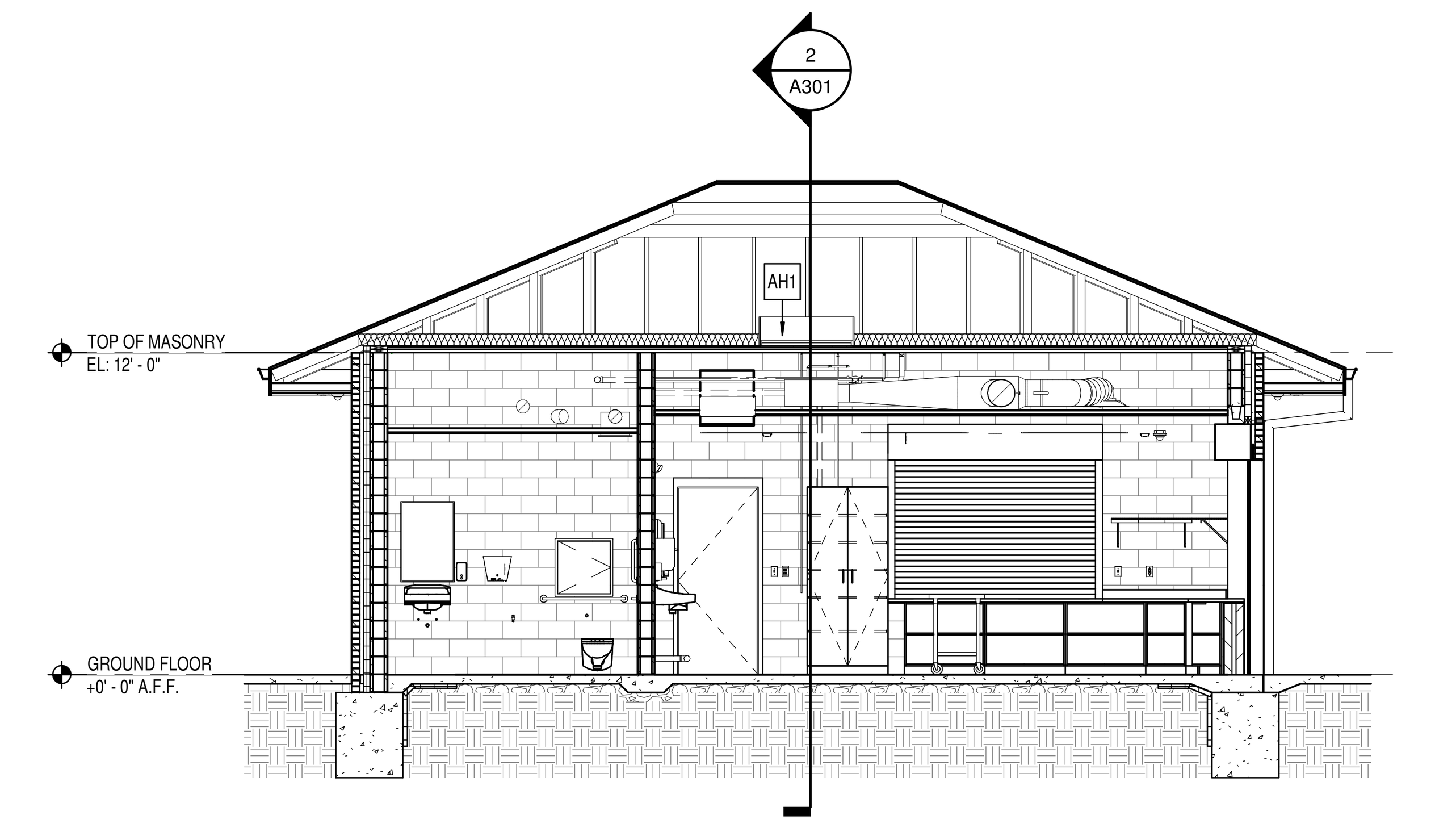

1 A301 BUILDING SECTION
SCALE: 3/16" = 1'-0"

NOBLESVILLE SCHOOLS

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PROJECT:
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SITE BUILDING
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2	ADDENDUM #2	01/25/25

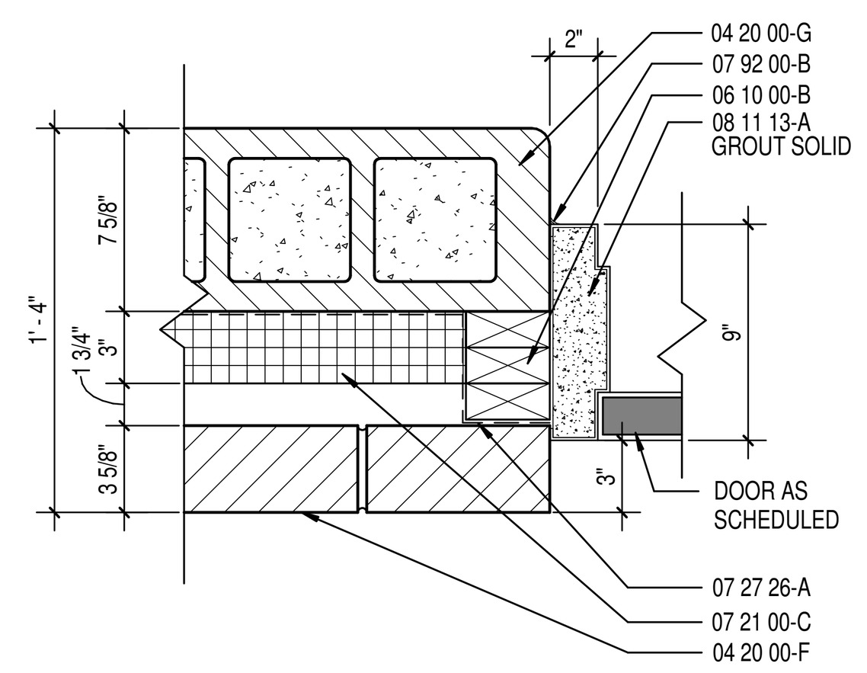
ISSUE DATE	DRAWN BY	CHECKED BY
01/10/25	MEW	NW

DRAWING TITLE:
BUILDING ELEVATIONS

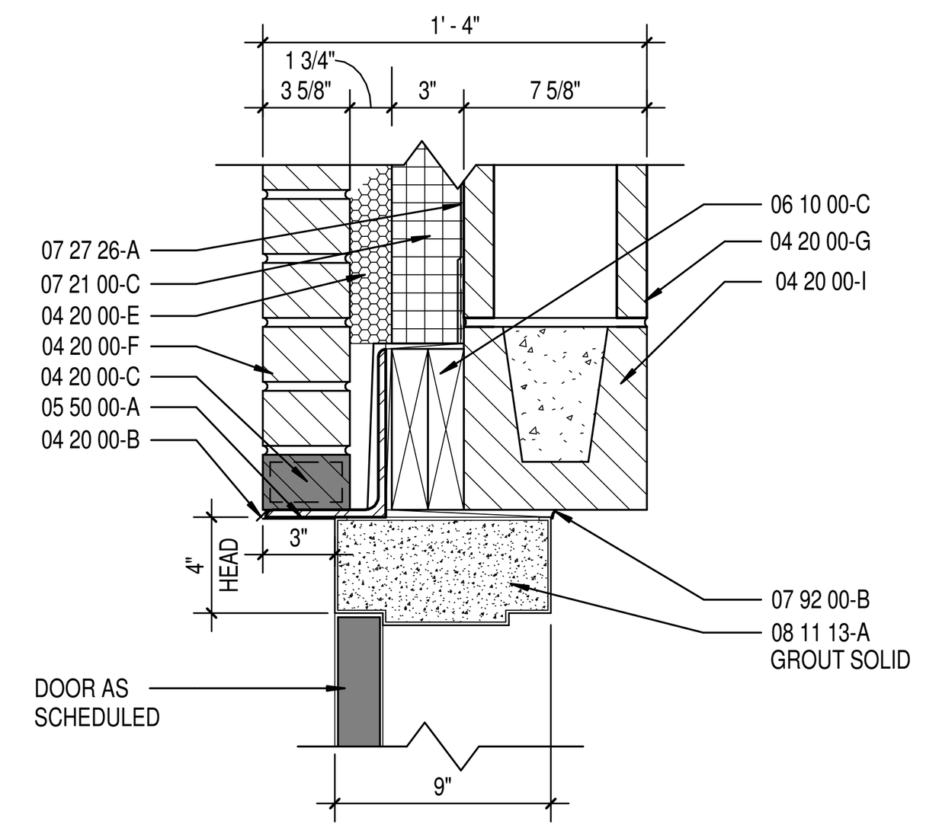
CERTIFIED BY:
REGISTERED
No. AR10800070
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A301

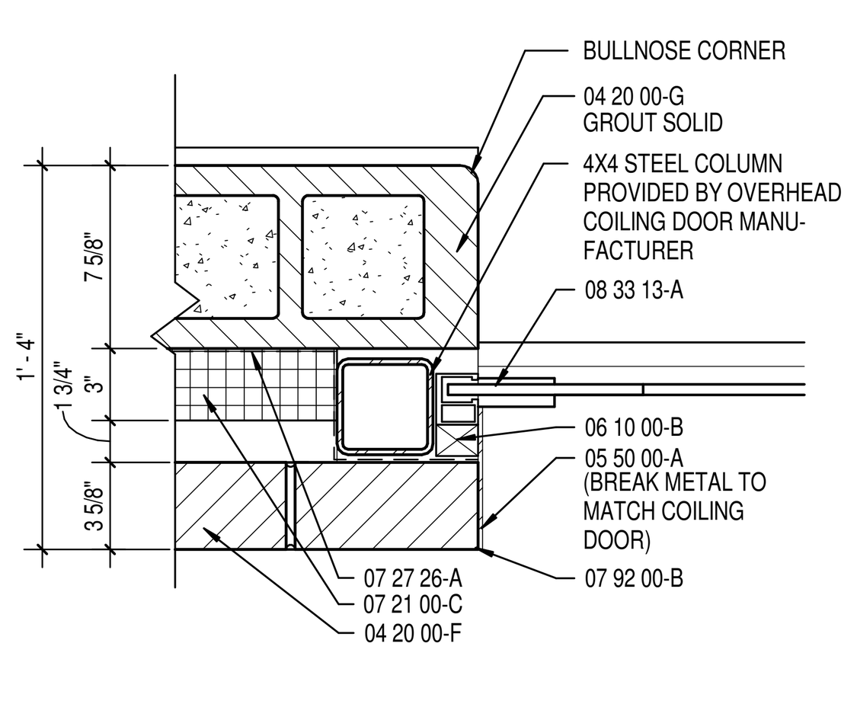
PROJECT NUMBER
2024078



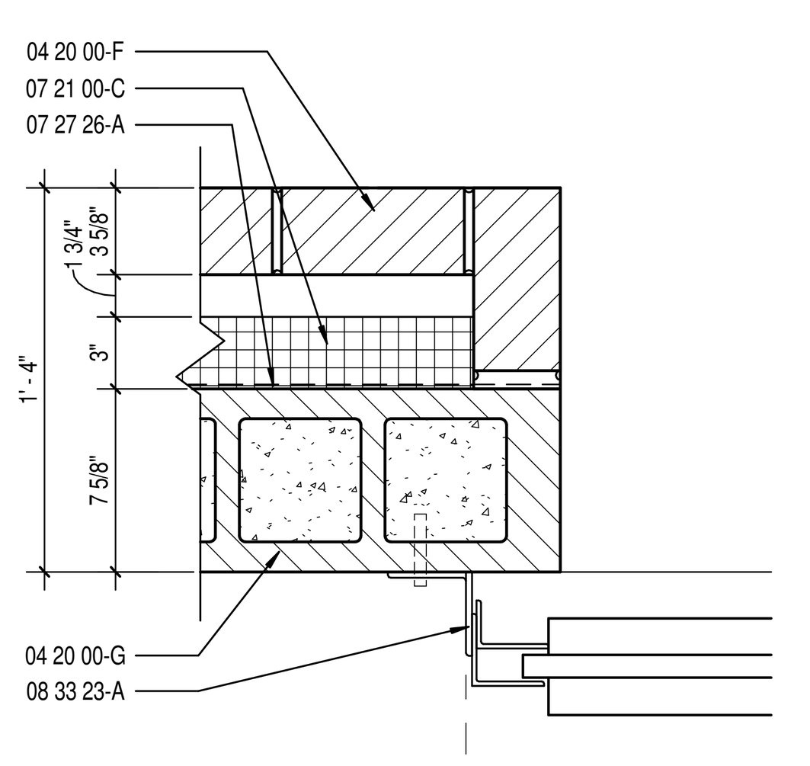
JAMB DETAIL - J1
SCALE: 1 1/2" = 1'-0"



HEAD DETAIL - H1
SCALE: 1 1/2" = 1'-0"

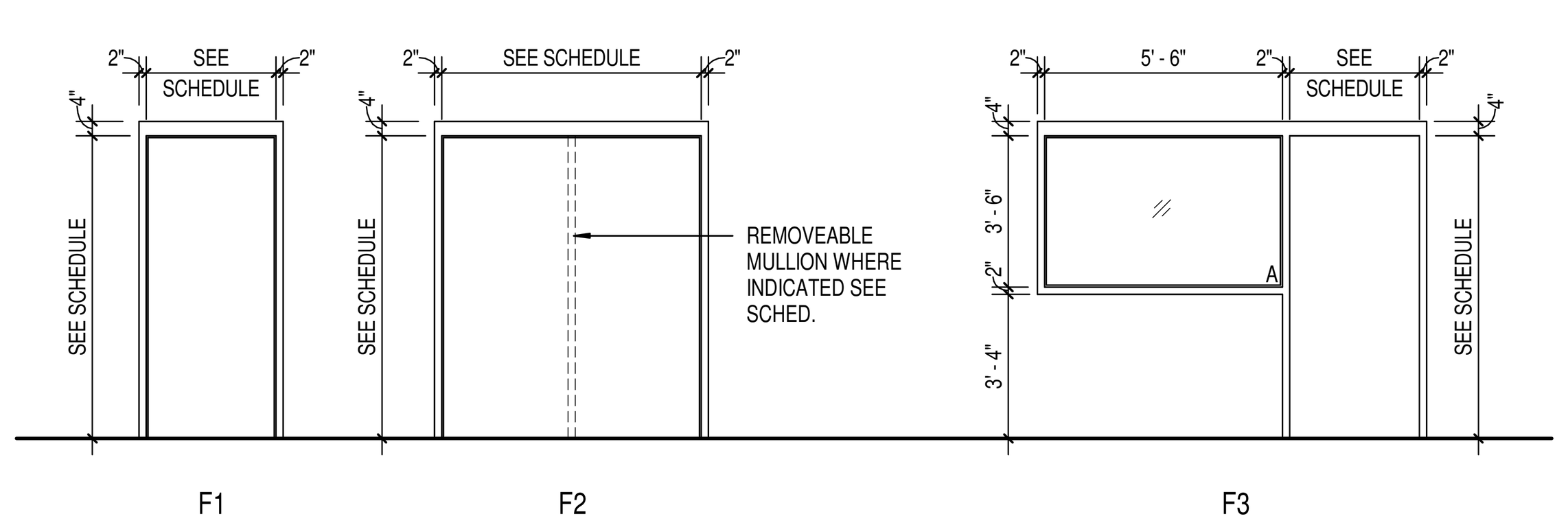


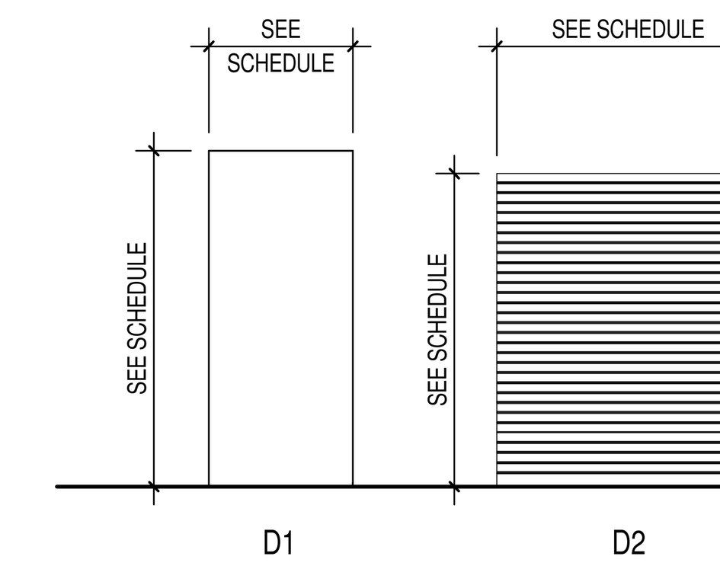
JAMB DETAIL - J2
SCALE: 1 1/2" = 1'-0"



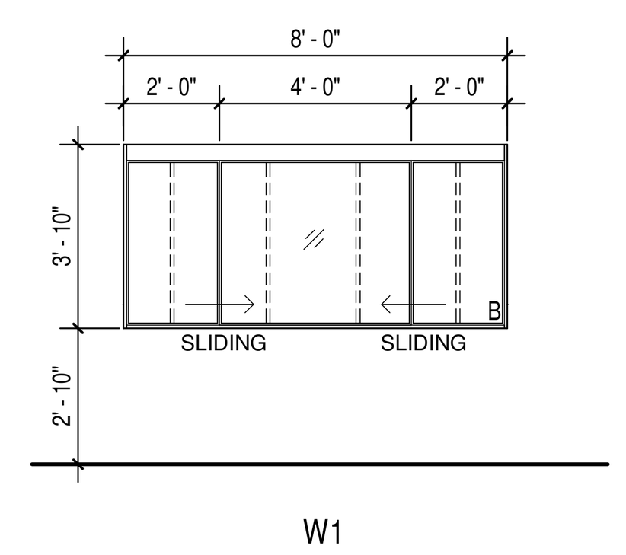
JAMB DETAIL - J3
SCALE: 1 1/2" = 1'-0"

DOOR AND FRAME SCHEDULE																		
DOOR									FRAME									
	SIZE												DETAIL					
MARK		WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	ELEVATION	GLASS	MATERIAL	FINISH	ELEVATION	GLASS	HEAD	JAMB	SILL	UL RATING	STC RATING	REMARKS
101-1	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	-	-	CARD READER.
101-2	OCD	8' - 0"	9' - 4"	1/2"	GSTL	PC	D2	-	GSTL	PC	-	-	1/A301	J2	1/A301	-	-	-
101-3	OCD	8' - 0"	9' - 4"	1/2"	GSTL	PC	D2	-	GSTL	PC	-	-	1/A301	J2	1/A301	-	-	-
102	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	-	-	-
103	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	-	-	-
104	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	-	-	-
105	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1		HM	PT	F1	-	H1	J1	-	-	-	-
106	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F3	A.	H1	J1	-	-	-	CARD READER.
107	PAIR	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F2	-	H1	J1	-	-	-	-
108-1	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	-	-	-
108-2	SGL	3' - 0"	7' - 0"	1 3/4"	HM	PT	D1	-	HM	PT	F1	-	H1	J1	-	-	-	-
108-3	OCD	8' - 0"	11' - 4"	3/4"	GSTL	PC	D2	-	GSTL	PC	-	-	1/A301	J3	-	-	-	-
108-4	OCD	8' - 0"	11' - 4"	3/4"	GSTL	PC	D2	-	GSTL	PC	-	-	1/A301	J3	-	-	-	-



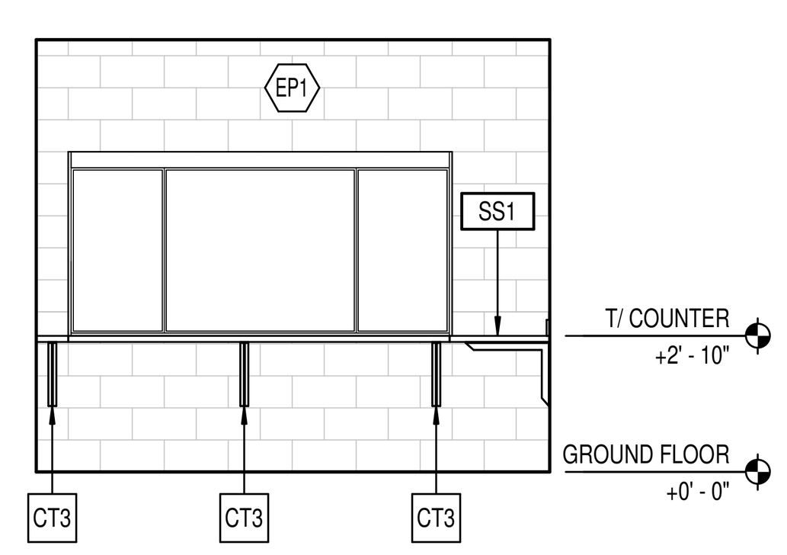


DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"

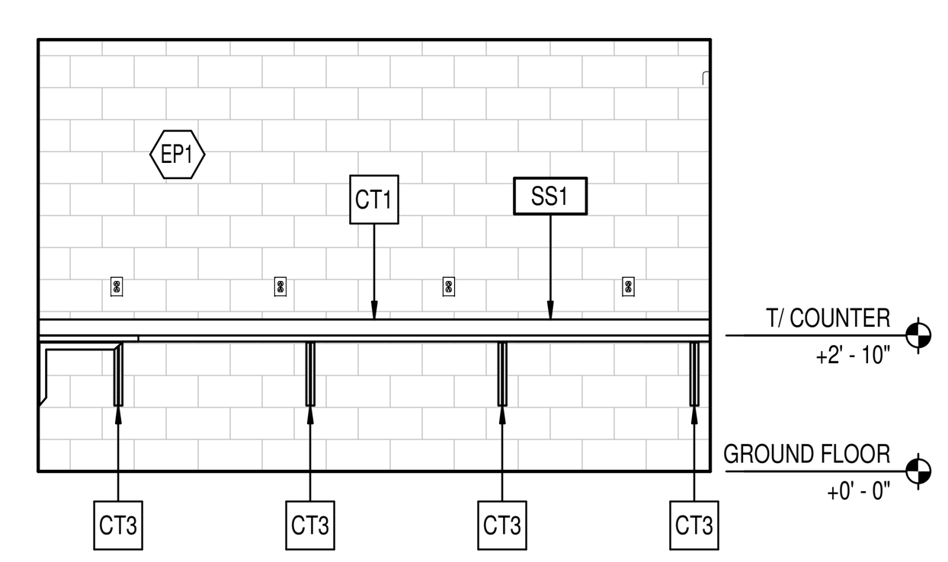


FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"

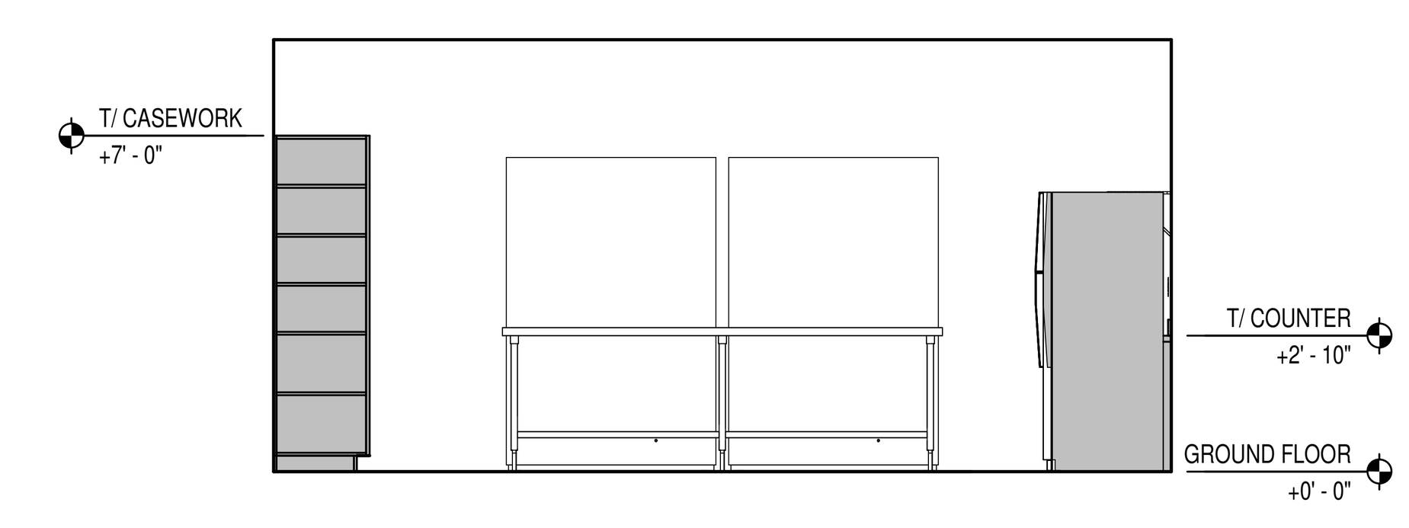
CASEWORK SCHEDULE						
TYPE MARK	DESCRIPTION	SPEC. SECTION	MANUFACTURER	MODEL NO.	SIZE	TYPE COMMENTS
BC1	BASE CABINET OPEN STORAGE	12 32 16	STEVENS INDUSTRIES	10101	18"W x 32 1/2"H x 14"D	
BC2	BASE CABINET OPEN STORAGE	12 32 16	STEVENS INDUSTRIES	10101	36"W x 32 1/2"H x 14"D	
BC3	BASE CABINET W/ 2 DOORS AND 1 SHELF	12 32 16	STEVENS INDUSTRIES	10129	36"W x 32 1/2"H x 14"D	
CT1	STAINLESS STEEL COUNTERTOP	12 36 16	SEE SPEC	-	34"H x <varies>D	
CT2	STAINLESS STEEL COUNTERTOP	12 36 16	SEE SPEC	-	34"H x 36"D	
CT3	COUNTERTOP SUPPORT BRACKET	12 32 16	RAKKS	EH-1818		
FP1	FILLER PANEL	12 32 16	STEVENS INDUSTRIES	-	VariesW x 32 1/2"H x 24"D	
TS1	TALL CABINET W/ 2 DOORS AND 5 SHELVES	12 32 16	STEVENS INDUSTRIES	25129	36"W x 84"H x 24"D	



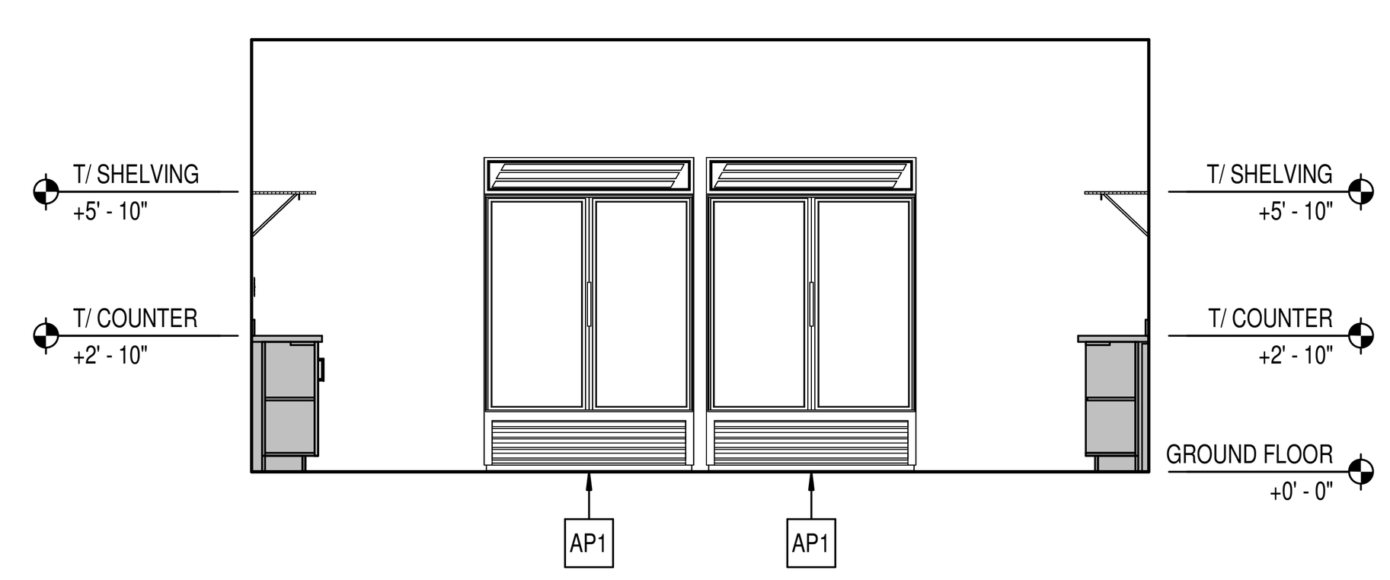
8 A501 TICKETS - EAST
SCALE: 1/4" = 1'-0"



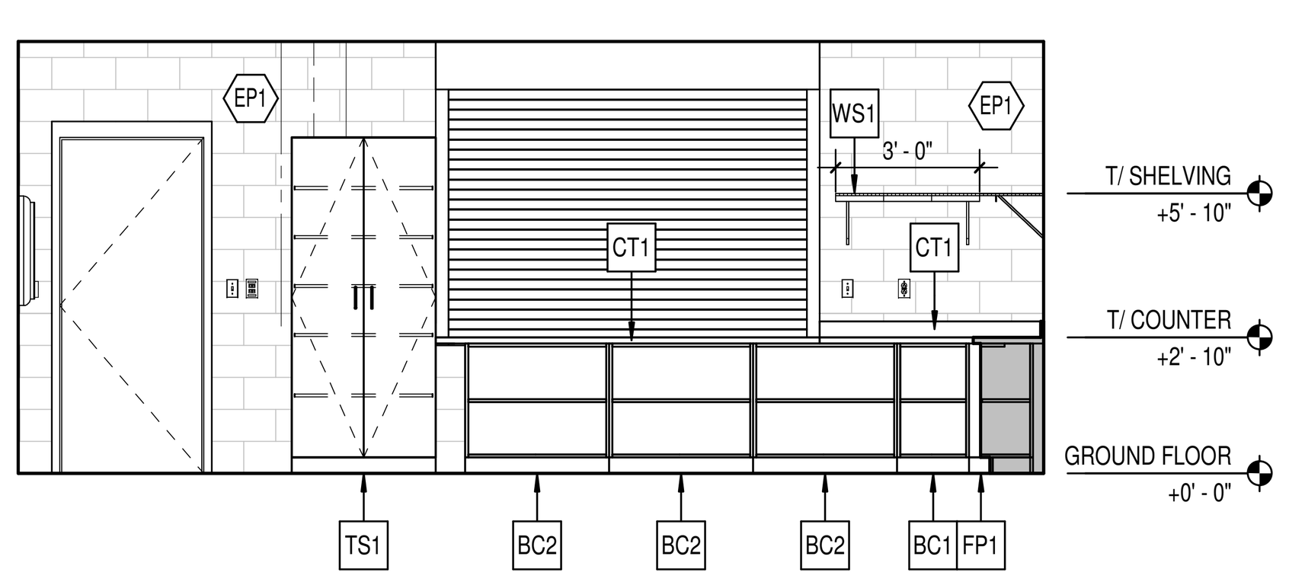
7 A501 TICKETS - SOUTH
SCALE: 1/4" = 1'-0"



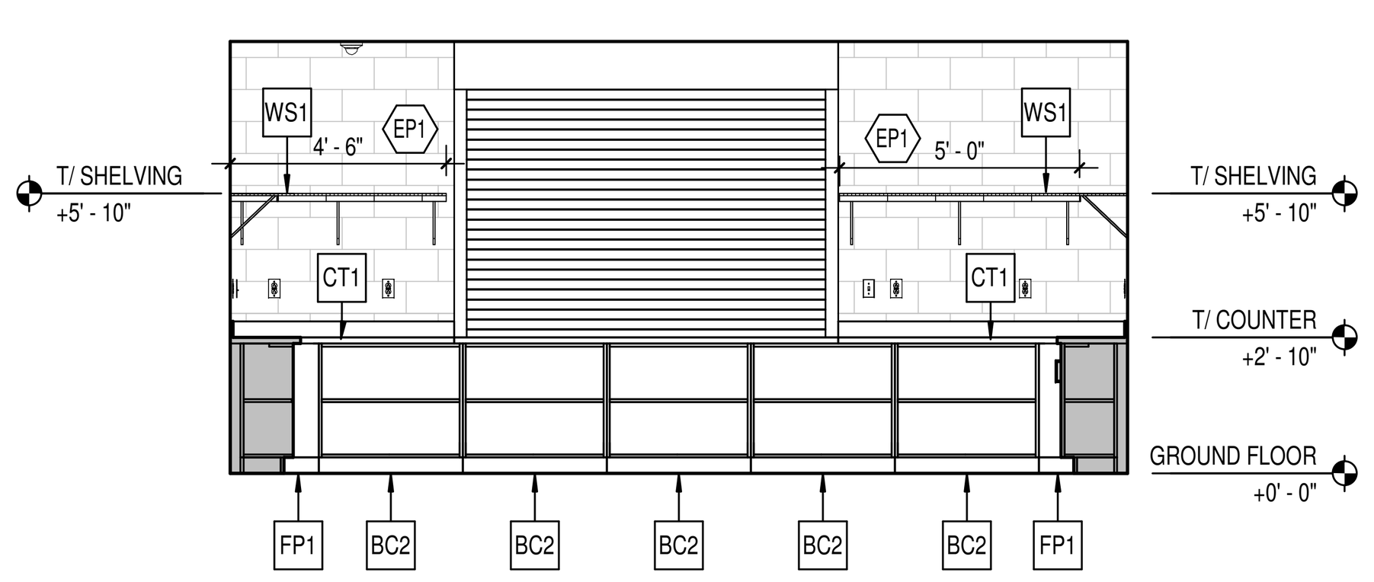
6 A501 CONCESSIONS ISLAND NORTH
SCALE: 1/4" = 1'-0"



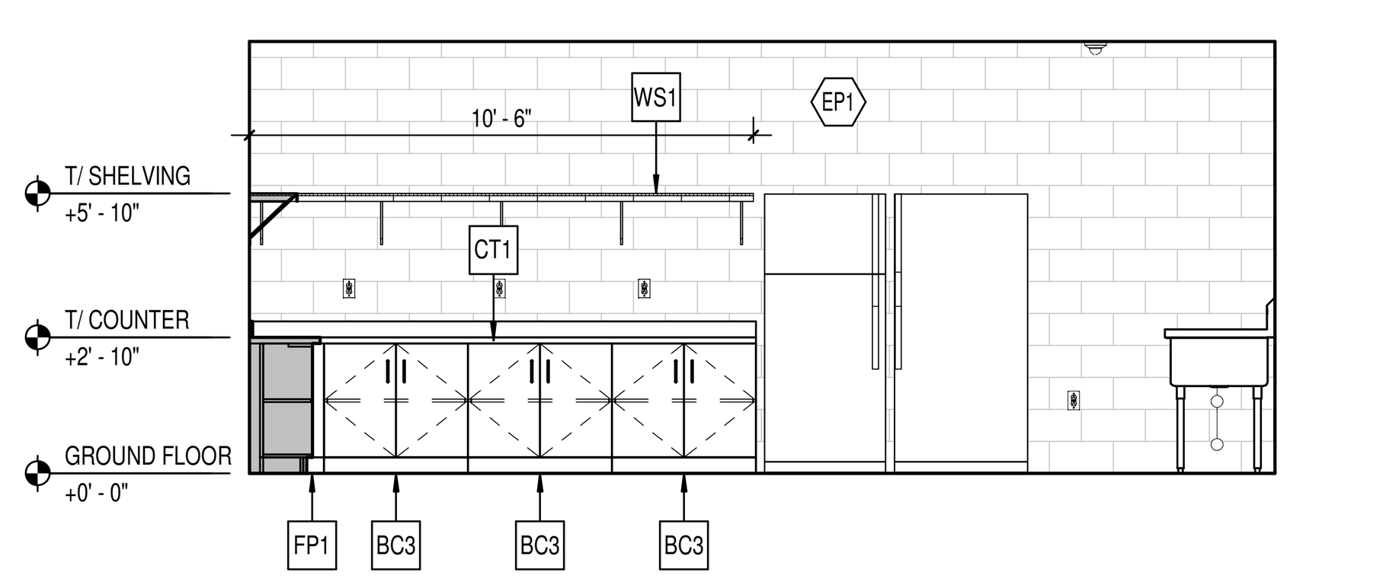
5 A501 CONCESSIONS ISLAND SOUTH
SCALE: 1/4" = 1'-0"



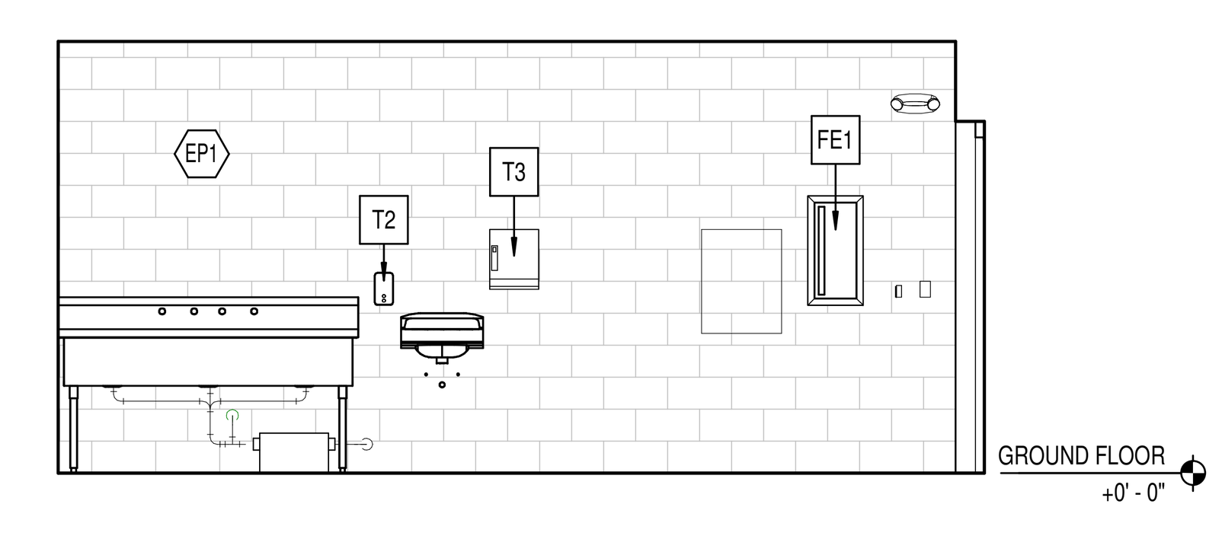
4 A501 CONCESSIONS - EAST
SCALE: 1/4" = 1'-0"



3 A501 CONCESSIONS - SOUTH
SCALE: 1/4" = 1'-0"



2 A501 CONCESSIONS - WEST
SCALE: 1/4" = 1'-0"



1 A501 CONCESSIONS - NORTH
SCALE: 1/4" = 1'-0"

GLASS SCHEDULE

A. 1" THICK TEMPERED, LOW E, INSULATING GLAZING WITH 2 PANES 1/4" GLASS AND 1/2" AIRSPACE.
B. 1/2" THICK TEMPERED, LOW E, INSULATING GLAZING WITH 2 PANES 1/8" GLASS AND 1/4" AIRSPACE.

ABBREVIATIONS LEGEND

AL = ALUMINUM
AN = ANODIZED
BL = BORROWED LITE
GHM = GALVANNEALED HOLLOW METAL
GL = GLASS
HM = HOLLOW METAL
PT = PAINT
ST = STAIN
SS = STAINLESS STEEL
STL = STEEL
WD = WOOD
90M = 90 MINUTE ASSEMBLY RATING
* = SEE REMARKS COLUMN FOR NOTES

GENERAL DOOR NOTES

A. THESE GENERAL NOTES APPLY TO THE DOOR SCHEDULE.
B. DOOR AND FRAME NUMBERS CORRESPOND TO RESPECTIVE ROOM NUMBER. IN ROOMS WITH MULTIPLE OPENINGS, A NUMERICAL SUFFIX HAS BEEN ADDED TO DOOR NUMBERS.
C. VERTICAL FRAMING MEMBERS AT ALL DOOR FRAMES SHALL EXTEND TO STRUCTURE ABOVE.
D. UNDERCUT ALL DOORS AS REQUIRED BY FINAL FINISH.
E. PROVIDE CONTINUOUS SEALANT BETWEEN HOLLOW METAL FRAME PERIMETERS AND SURROUNDING WALL CONSTRUCTION.
F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR AND EXTERIOR WINDOW, CURTAINWALL AND STOREFRONT FRAME PERIMETERS AND SURROUNDING CONSTRUCTION UNLESS NOTED OTHERWISE.
G. GROUT FULL HOLLOW METAL FRAMES IN MASONRY CONSTRUCTION.
H. SPOT GROUT HOLLOW METAL FRAMES IN GYPSUM WALLS.
I. WHERE A FIRE RATING IS INDICATED ON THE DOOR SCHEDULE, HARDWARE AND DOOR ASSEMBLY COMPONENTS SHALL MEET THE REQUIREMENTS OF THAT LABEL.
J. WHERE AN STC RATING IS INDICATED ON THE DOOR SCHEDULE, HARDWARE AND DOOR ASSEMBLY COMPONENTS SHALL MEET THE REQUIREMENTS OF THAT LABEL.
K. INSTALL DOOR GLASS USING WET GLAZING METHOD.
L. ALL LINTELS ABOVE EXTERIOR OPENINGS SHALL BE GALVANIZED.
M. REFER TO SHEET A501 FOR ADDITIONAL DOOR, FRAME AND BORROWED LITE ELEVATIONS.
N. COORDINATE THROAT OPENINGS WITH WALL WIDTH FOR ALL WRAP AROUND FRAMES.
O. 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.
P. 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.
Q. PROVIDE SILENCERS ON ALL DOOR FRAMES.
R. SEE STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR MASONRY AND STEEL LINTELS. PROVIDE STRUCTURAL STEEL LINTELS AT OPENINGS OPENINGS WHERE INDICATED ON THE STRUCTURAL STEEL DRAWINGS IN LIEU OF MASONRY LINTEL AS SHOWN IN THESE DETAILS.
S. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF DOORS AND FRAMES. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.

GENERAL CASEWORK NOTES

A. SEE INTERIOR CASEWORK ELEVATIONS FOR DOOR SWING.
B. PROVIDE COUNTER GROMMETS FOR ALL OPEN KNEE-SPACE COUNTERTOP INSTALLATIONS.
C. REFER TO A201 DRAWINGS FOR FINISHES NOT NOTED ON EQUIPMENT PLANS AND CASEWORK ELEVATIONS.

KEYNOTE LEGEND

03 30 00-A	CONCRETE SLAB OVER VAPOR BARRIER ON DRAINAGE FILL - SEE STRUCTURAL
03 30 00-B	CONCRETE FOOTING - SEE STRUCTURAL
03 30 00-C	1/2" EXPANSION MATERIAL
04 20 00-A	ADJUSTABLE MASONRY VENEER ANCHOR AT 16" O.C. VERTICALLY
04 20 00-B	THROUGH WALL FLASHING W/ STAINLESS STEEL DRIP EDGE
04 20 00-C	WEEP HOLES AT 16" O.C.
04 20 00-E	CAVITY DRAINAGE MATERIAL
04 20 00-F	FACE BRICK - SEE ELEVATIONS
04 20 00-G	CONCRETE MASONRY UNIT
04 20 00-I	BOND BEAM MASONRY LINTEL
05 12 00-A	STRUCTURAL STEEL FRAMING MEMBER - SEE STRUCTURAL
05 12 00-B	STEEL ANGLE - SEE STRUCTURAL
05 50 00-A	MISCELLANEOUS STEEL - SEE STRUCTURAL
05 50 00-B	GALVANIZED STEEL BRICK LINTEL
06 10 00-A	2X6 WOOD STUDS AT 16" O.C.
06 10 00-B	2X WOOD FRAMING
06 10 00-C	2X WOOD BLOCKING
06 10 00-D	SHIM AS REQUIRED
06 16 00-A	3/4" EXTERIOR GRADE PLYWOOD
06 16 00-B	5/8" EXTERIOR GRADE PLYWOOD
06 17 53-A	WOOD TRUSSES - SEE STRUCTURAL
07 21 00-A	SLAB PERIMETER RIGID INSULATION (R-15 FOR 24")
07 21 00-B	MINERAL WOOL BATT INSULATION
07 21 00-C	3" CAVITY WALL EXTRUDED POLYSTYRENE INSULATION (R-16.8)
07 27 26-A	FLUID APPLIED MEMBRANE AIR BARRIER, VAPOR PERMEABLE
07 31 13-A	ASPHALT SHINGLE ROOF
07 31 13-B	HIGH TEMPERATURE SELF-ADHERING SHEET UNDERLAYMENT
07 42 53-A	METAL SOFFIT PANELS
07 46 46-A	FIBER CEMENT SIDING
07 62 00-A	FASCIA CLADDING
07 71 00-A	MANUFACTURED GUTTER
07 92 00-B	SEALANT EACH SIDE, TYPICAL
08 11 13-A	HOLLOW METAL FRAME
08 31 13-A	24"W x 40"H SELF-CLOSING AND LATCHING NON-RATED DRAFTSTOPPING DOOR
08 33 13-A	OVERHEAD COILING COUNTER DOOR
08 33 23-A	OVERHEAD COILING DOOR
08 56 80-A	SLIDING TRANSACTION WINDOW
09 29 00-A	5/8" GYPSUM WALL BOARD (SEE SPECS FOR TYPE)
09 51 13-A	ACOUSTICAL CEILING SUSPENSION ASSEMBLY
32 13 16-A	CONCRETE PAVING - SEE CIVIL SHEETS

NOBLESVILLE SCHOOLS

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

PROJECT:
NOBLESVILLE EAST MIDDLE SCHOOL
SITE BUILDING
1625 Field Dr, Noblesville, IN 46060

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 all 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.

REVISIONS:

1	ADDENDUM #1	01/17/25
2	ADDENDUM #2	01/25/25

ISSUE DATE	DRAWN BY	CHECKED BY
01/10/25	MEW	NW

DRAWING TITLE:
DOORS, FRAMES, AND DETAILS

CERTIFIED BY:
BRADLEY J. KROHN
REGISTERED
No. AR10800070
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A501

PROJECT NUMBER
2024078

RENOVATION LEGEND:

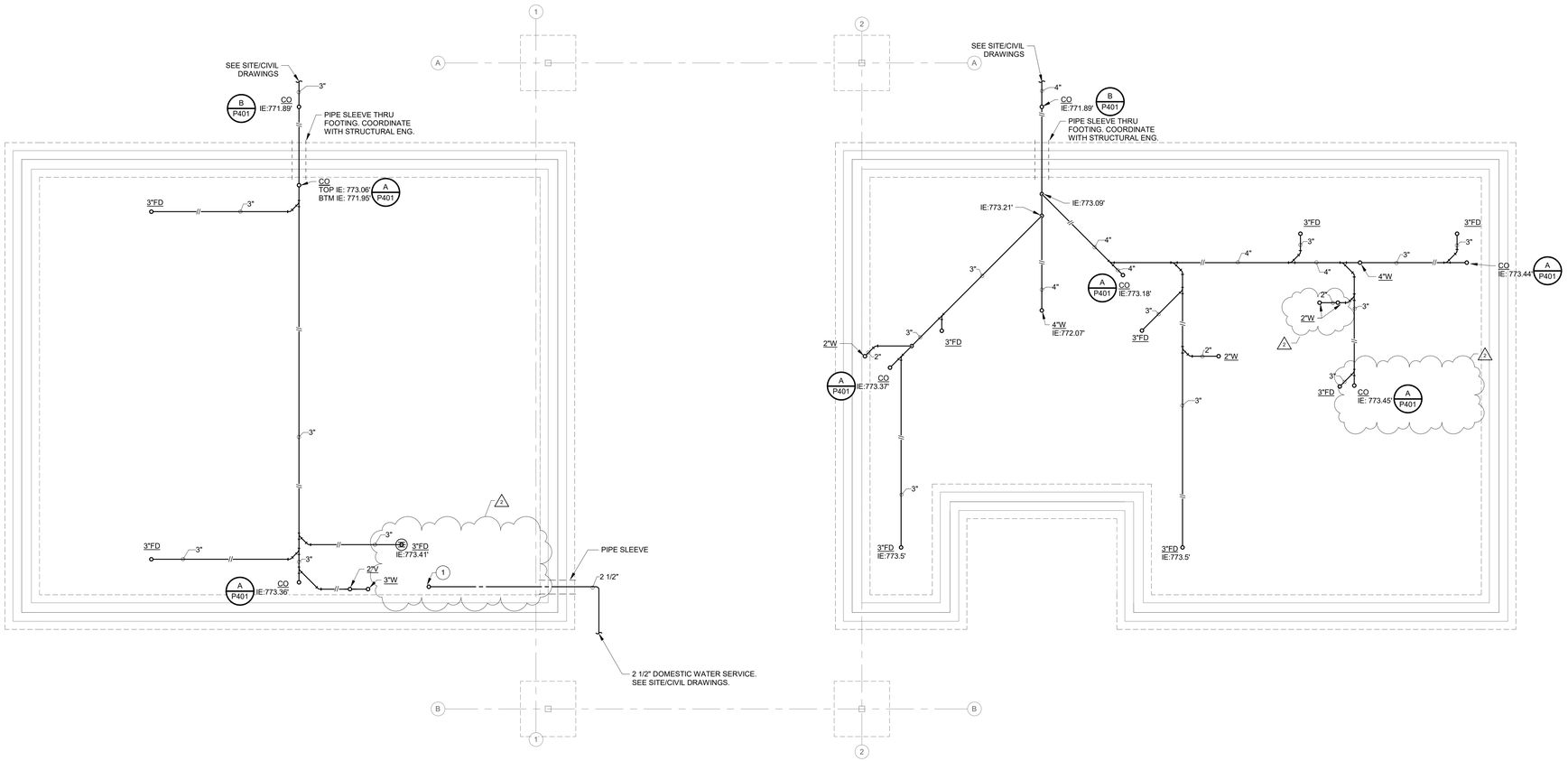
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

1. REFER TO SHEET PM001 FOR ADDITIONAL GENERAL NOTES.

(#) PLAN NOTES:

1. 2 1/2" DOMESTIC WATER UP.



CONCESSIONS BUILDING - PLUMBING UNDERSLAB

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

F.F.E. 774.50'

NORTH

0 1 2 3 4 8 12 16

1 2 3 4

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D&A #24086
R.E. Dimond and Associates, Inc.
Consulting Engineers
732 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4972
Fax: (317) 638-8725

PROJECT:
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSIONS BUILDING
1625 Field Dr, Noblesville, IN 46060

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REVISIONS:

2	ADDEN. 2	1/24/2025

ISSUE DATE	DRAWN BY	CHECKED BY
12/20/2024	MLB	TJG

DRAWING TITLE:
CONCESSIONS BUILDING - PLUMBING UNDERSLAB

CERTIFIED BY:
STEVEN P. LOOKE REGISTERED No. 10200100 STATE OF INDIANA PROFESSIONAL ENGINEER
12/20/2024

DRAWING NUMBER
P101

PROJECT NUMBER
2024078

RENOVATION LEGEND:

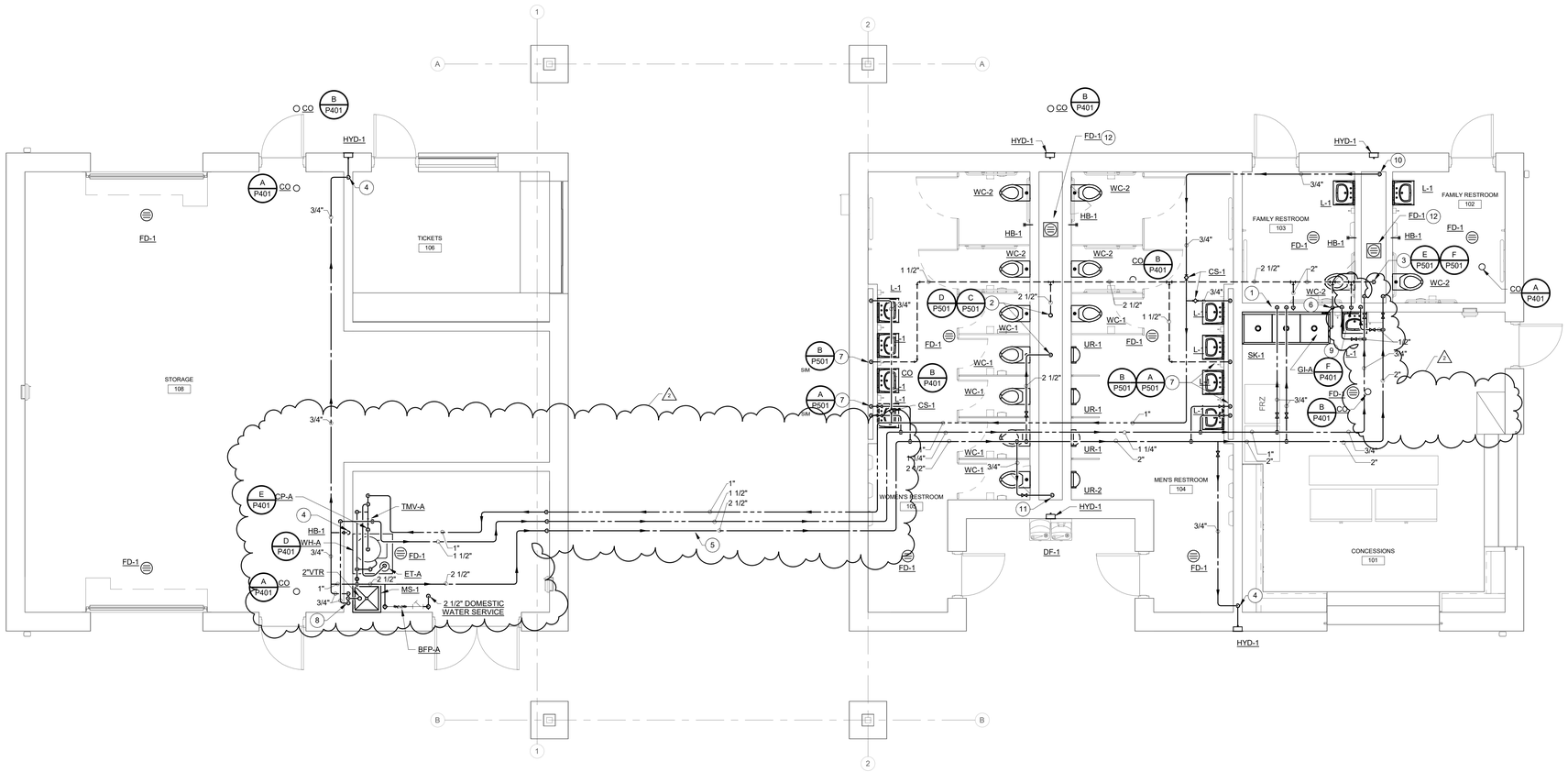
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

1. REFER TO SHEET PM001 FOR ADDITIONAL GENERAL NOTES.

(#) PLAN NOTES:

1. 3/4" HOT AND COLD WATER DOWN. 2" VENT. 2" WASTE DOWN.
2. 2-1/2" COLD WATER DOWN. 4" WASTE DOWN. 4" VENT UP.
3. 2" COLD WATER, 3/4" HOT WATER, AND 4" WASTE DOWN. 2" VENT UP.
4. 3/4" COLD WATER DOWN.
5. ROUTE PIPING WITHIN CHASE. SEE ELECTRCIAL SHEETS FOR HEAT TRACE INFORMATION.
6. 2" WASTE DOWN. 2" VENT UP.
7. 1" HOT AND COLD WATER DOWN. 1-1/2" VENT AND 1" HOT WATER RETURN UP. 2" WASTE DOWN.
8. 3/4" HOT WATER AND 3/4" COLD WATER DOWN. 3" WASTE DOWN. 2" VENT UP.
9. 1/2" HOT WATER AND 1/2" COLD WATER DOWN. 2" WASTE DOWN. 1-1/2" VENT UP.
10. 3/4" HOT WATER RETURN FROM BELOW.
11. 3/4" COLD WATER DOWN TO WATER COOLER AND WALL HYDRANT. INSTALL WALL HYDRANT 12" ABOVE FINISH GRADE, BELWO WATER COOLER FOR WINTERIZATION OF WATER COOLER.
12. PROVIDE FLOOR DRAIN TRAP PRIMER ASSEMBLY. CONNECT TRAP PRIMER PIPING TO COLD WATER HEADER IN CHASE.



CONCESSIONS BUILDING - PLUMBING

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

NORTH

0 1 2 3 4 8 12 16

1 2 3 4

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732 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4972
Fax: (317) 638-8725

PROJECT:
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSIONS BUILDING
1625 Field Dr, Noblesville, IN 46060

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:

2	ADDEN. 2	1/24/2025

ISSUE DATE	DRAWN BY	CHECKED BY
12/20/2024	MLB	TJG

DRAWING TITLE:
CONCESSIONS BUILDING - PLUMBING

CERTIFIED BY:
STEVEN P. ROOKE REGISTERED No. 10200100 STATE OF INDIANA PROFESSIONAL ENGINEER
12/20/2024

DRAWING NUMBER
P201

PROJECT NUMBER
2024078

PLUMBING EQUIPMENT SCHEDULE

MARK NO.	SPECIFICATION NAME	MANUFACTURER & MODEL NO.	ELECTRICAL DATA			GAS LOAD (BTU)	CAPACITY	REMARKS
			LOAD	VOLTS	PHASE			
WH-A	ELECTRIC WATER HEATER	A.O. SMITH #DRE-52-27	27 kW	480	3 PH	-	50 GALLON CAPACITY 111 GPH @ 100°Δt	-
TMV-A	THERMOSTATIC MIXING VALVE	LAWLER #801/86208	-	-	-	-	17 GPM @ 5 PSI DROP	MOUNT AT 24" A.F.F.
CP-A	CIRCULATION PUMP	TACO #0012-F4	1/8	115	1 PH	-	14 GPM @ 25' TDH	AQUASTAT SET POINTS ON: 110°F OFF: 117°F
ET-A	EXPANSION TANK	THERM-X-TROL #ST-5C-DD	-	-	-	-	TANK VOLUME = 2 GALLONS	-
GI-A	GREASE INTERCEPTOR	ZURN #Z1170	-	-	-	-	-	-
BFP-A	REDUCED PRESSURE BACKFLOW PREVENTOR	ZURN #975XL3 - 2"	-	-	-	-	-	TERMINATE AIR GAP RELIEF ASSEMBLY OVER FLOOR DRAIN

FIXTURE ROUGH-IN SCHEDULE & MOUNTING HEIGHTS

MARK NO.	FIXTURE DESCRIPTION	CW	HW	TRAP	W	V	MOUNTING HEIGHTS
WC-1	WATER CLOSET -WALL MOUNTED, FLUSH VALVE	1"	-	INTEGRAL	4"	2"	15" TO SEAT
WC-2	WATER CLOSET - WALL MOUNTED, FLUSH VALVE, ADA	1"	-	INTEGRAL	4"	2"	17" TO SEAT
UR-1	URINAL - WALL HUNG, FLUSH VALVE	3/4"	-	INTEGRAL	2"	1-1/2"	24" TO RIM
UR-2	URINAL - WALL HUNG, FLUSH VALVE, ADA	3/4"	-	INTEGRAL	2"	1-1/2"	15" TO RIM
L-1	LAVATORY - WALL HUNG, ADA	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	34" TO TOP OF DECK
DF-1	DRINKING FOUNTAIN - HI/LO - W/ BOTTTLE FILLER -ADA	1/2"	-	1-1/2"	1-1/2"	1-1/2"	36" TO LOW BUBBLER 42" TO HIGH BUBBLER
HYD-1	WALL HYDRANT - NON-FREEZE	3/4"	-	-	-	-	24" ABOVE FINISH FLOOR
HB-1	HOSE BIBB (INTERIOR)	3/4"	-	-	-	-	18" ABOVE FINISH FLOOR
MS-1	MOP SINK	3/4"	3/4"	3"	3"	2"	36" TO FAUCET
SK-1	THREE COMPARTMENT SINK	3/4"	3/4"	-	2"	-	SINK WASTE CONNECT TO GREASE TRAP

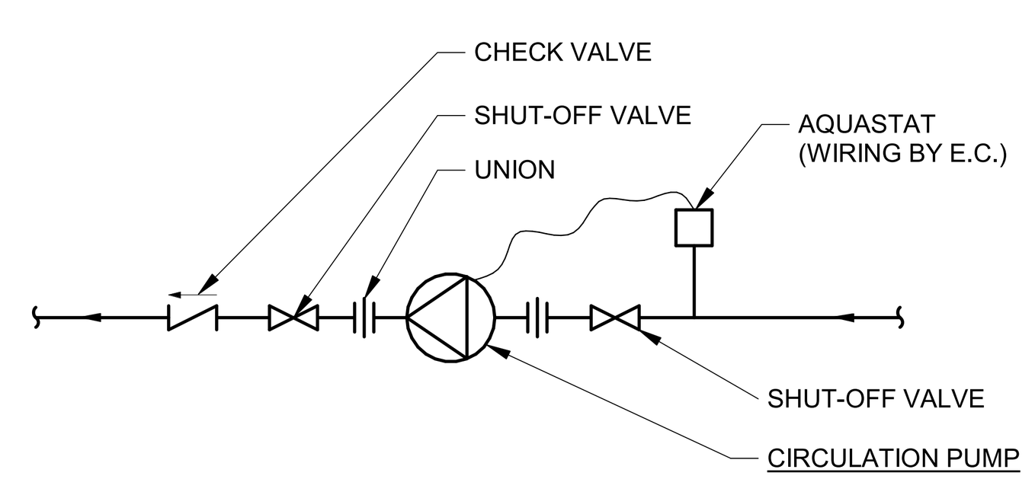
2

WATER HAMMER ARRESTER SCHEDULE

TYPE	I.P.S.	F.U. RATING	J.R. SMITH NO.	WADE NO.	ZURN NO.	REMARKS
A	3/4"	1 - 11	5005	W-5	100	P.D.I. CERTIFIED
B	1"	12 - 32	5010	W-10	200	P.D.I. CERTIFIED
C	1"	33 - 60	5020	W-20	300	P.D.I. CERTIFIED
D	1"	61 - 113	5030	W-50	400	P.D.I. CERTIFIED

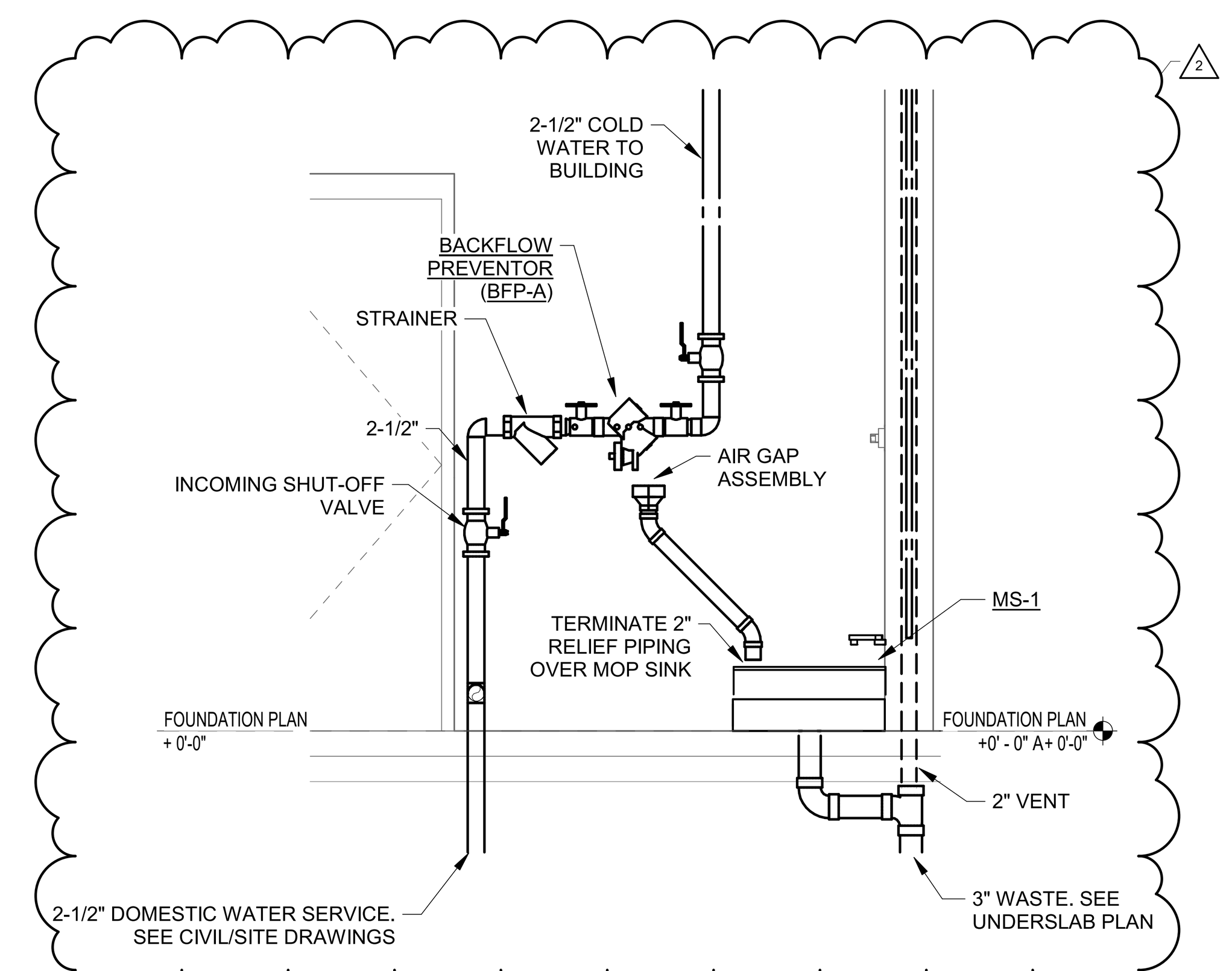
CIRCUIT SETTER SCHEDULE

MARK NO.	FLOW RATE (GPM)	QUANTITY	SUBTOTAL
CS-1	0.5	4	2.0
CS-2	1.0	1	1.0
CS-3	1.5	1	1.0
		TOTAL	4.0



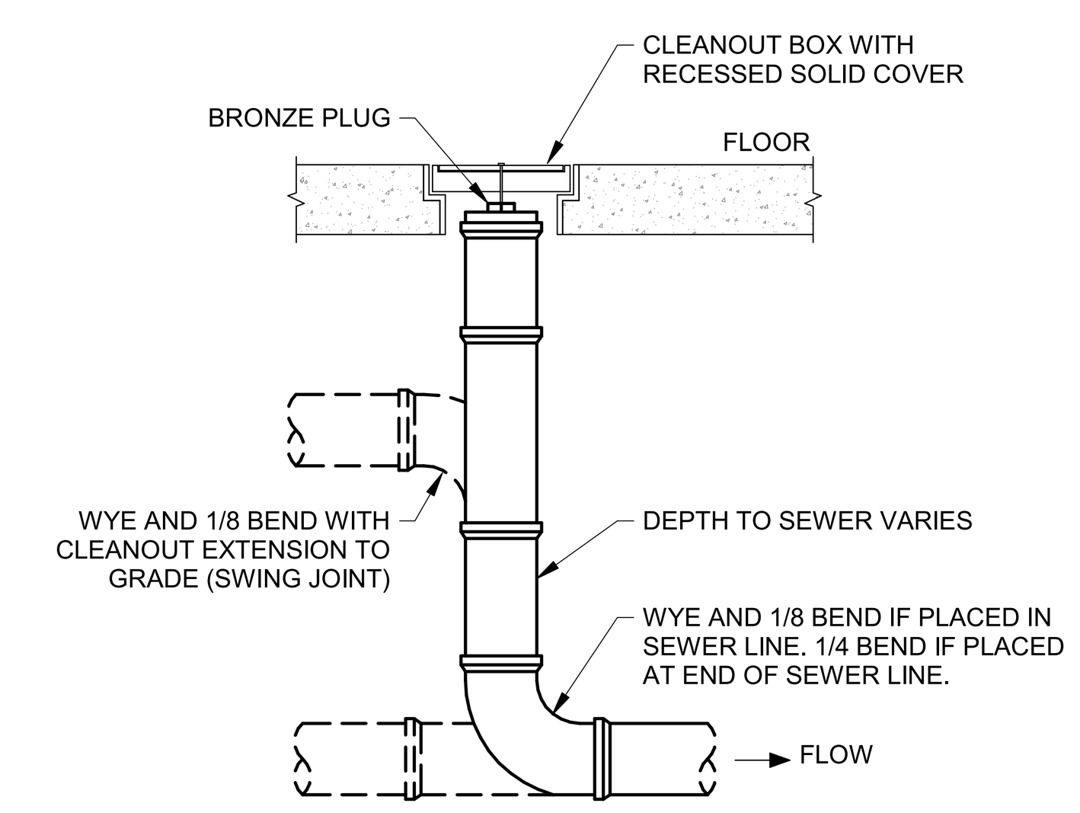
E CIRCULATION PUMP

SCALE: NONE



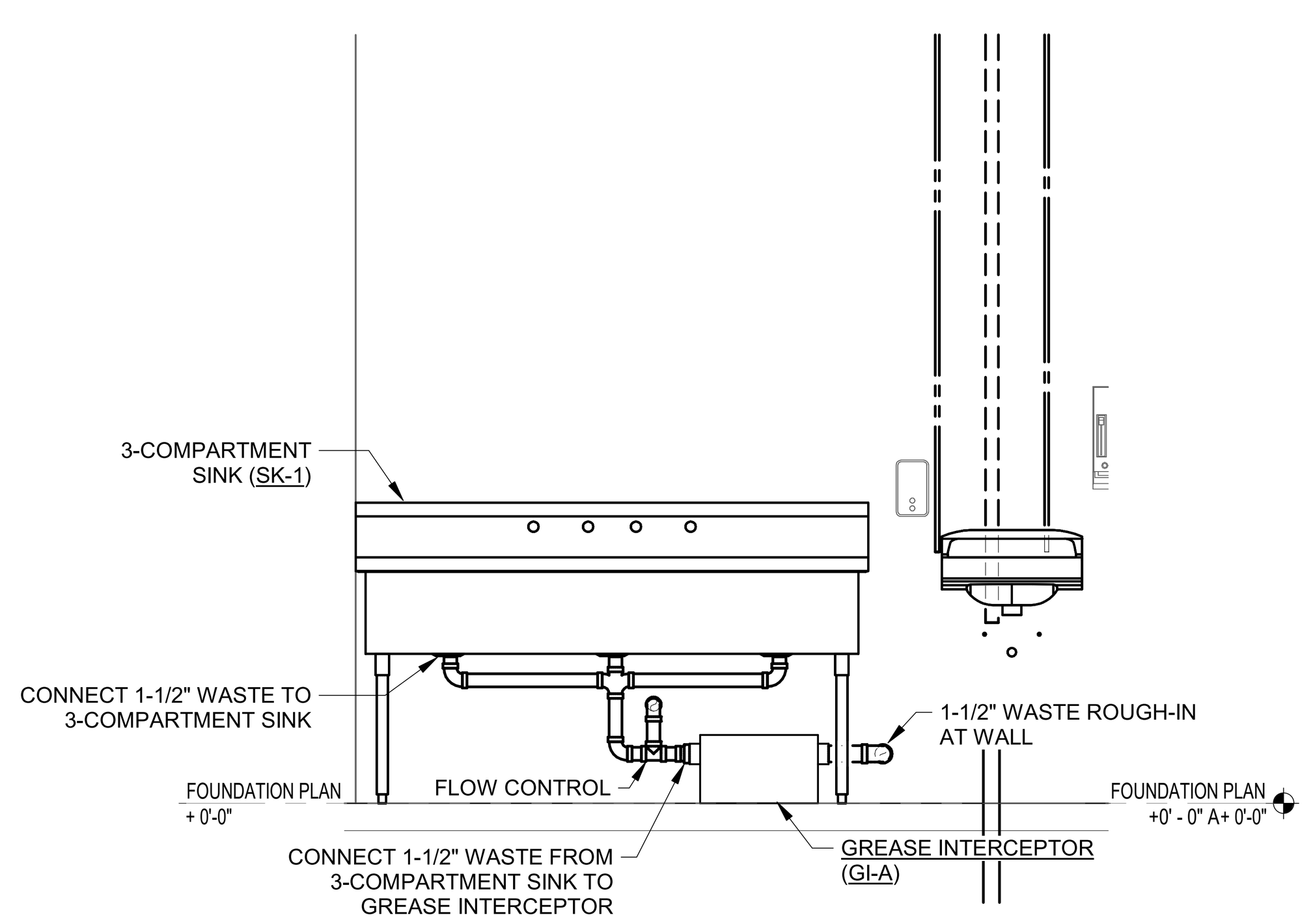
C BACKFLOW PREVENTOR

SCALE: NONE



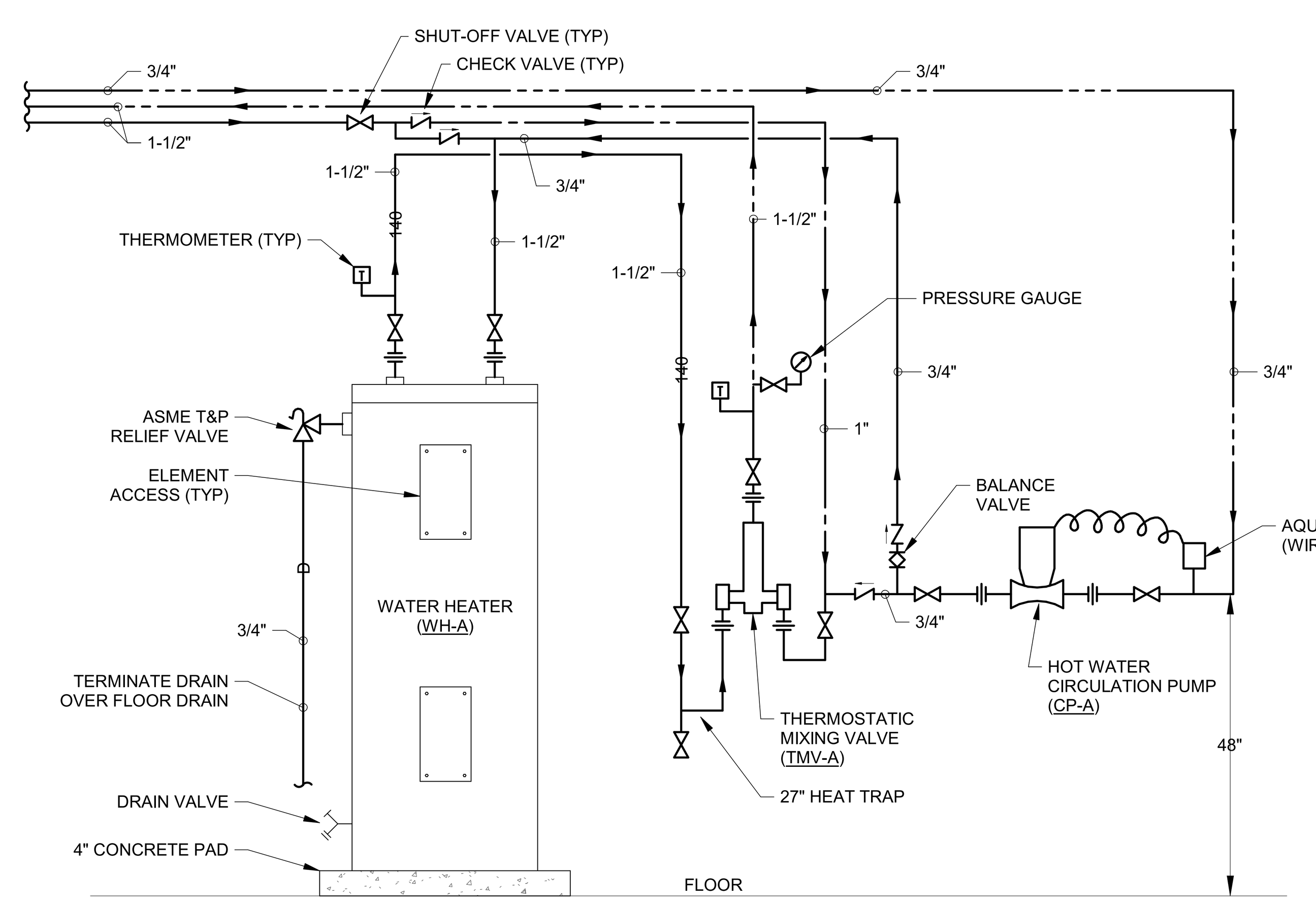
A INTERIOR CLEANOUT

SCALE: NONE



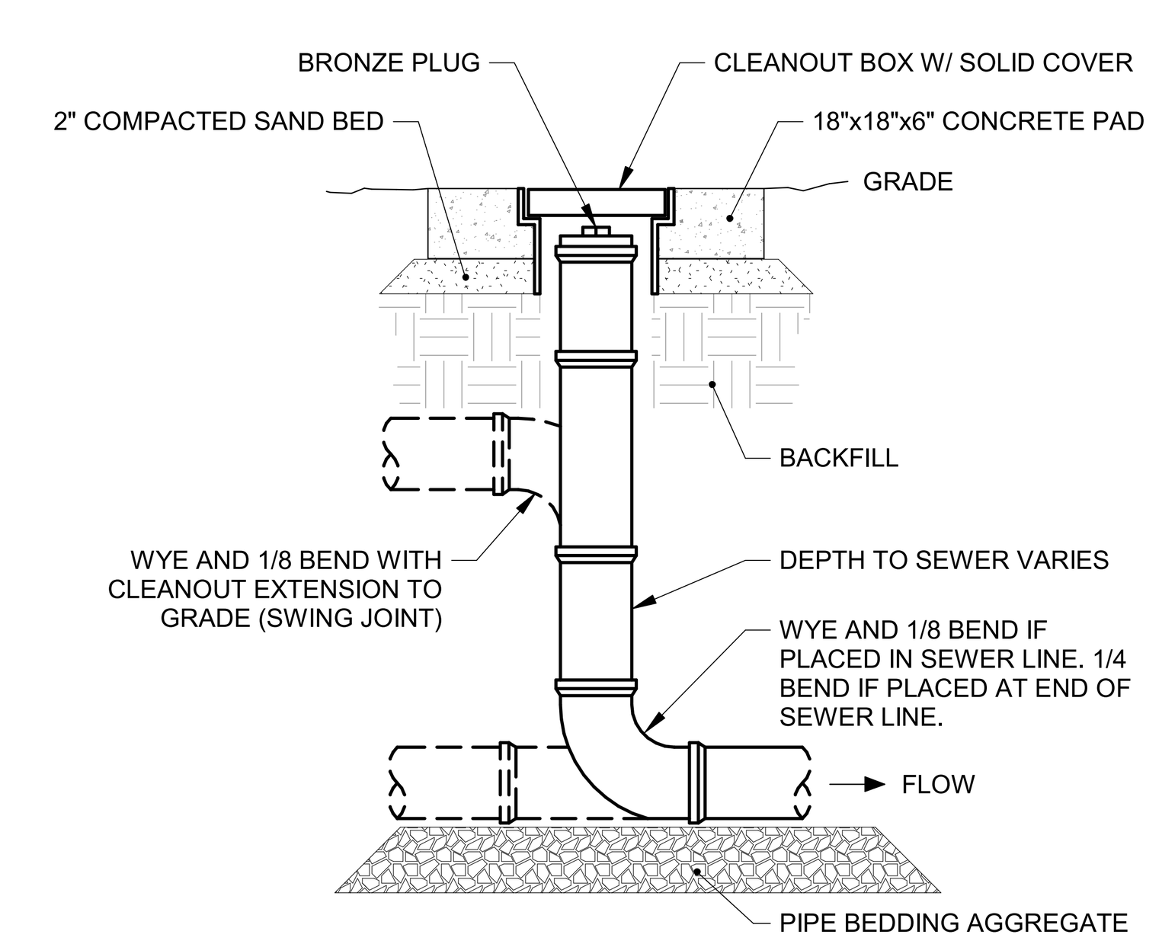
F GI - UNDERSINK

SCALE: NONE



D ELECTRIC WATER HEATER

SCALE: NONE



B EXTERIOR CLEANOUT

SCALE: NONE

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CONCESSIONS BUILDING
1625 Field Dr, Noblesville, IN 46060

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 all 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.

REVISIONS:

2	ADDEN. 2	1/24/2025

ISSUE DATE	DRAWN BY	CHECKED BY
12/20/2024	MLB	TJG

DRAWING TITLE:
DETAILS AND SCHEDULES - PLUMBING

CERTIFIED BY:
STEVEN P. ROOKE REGISTERED No. 10200100 STATE OF INDIANA PROFESSIONAL ENGINEER
12/20/2024

DRAWING NUMBER
P401

PROJECT NUMBER
2024078

RENOVATION LEGEND:

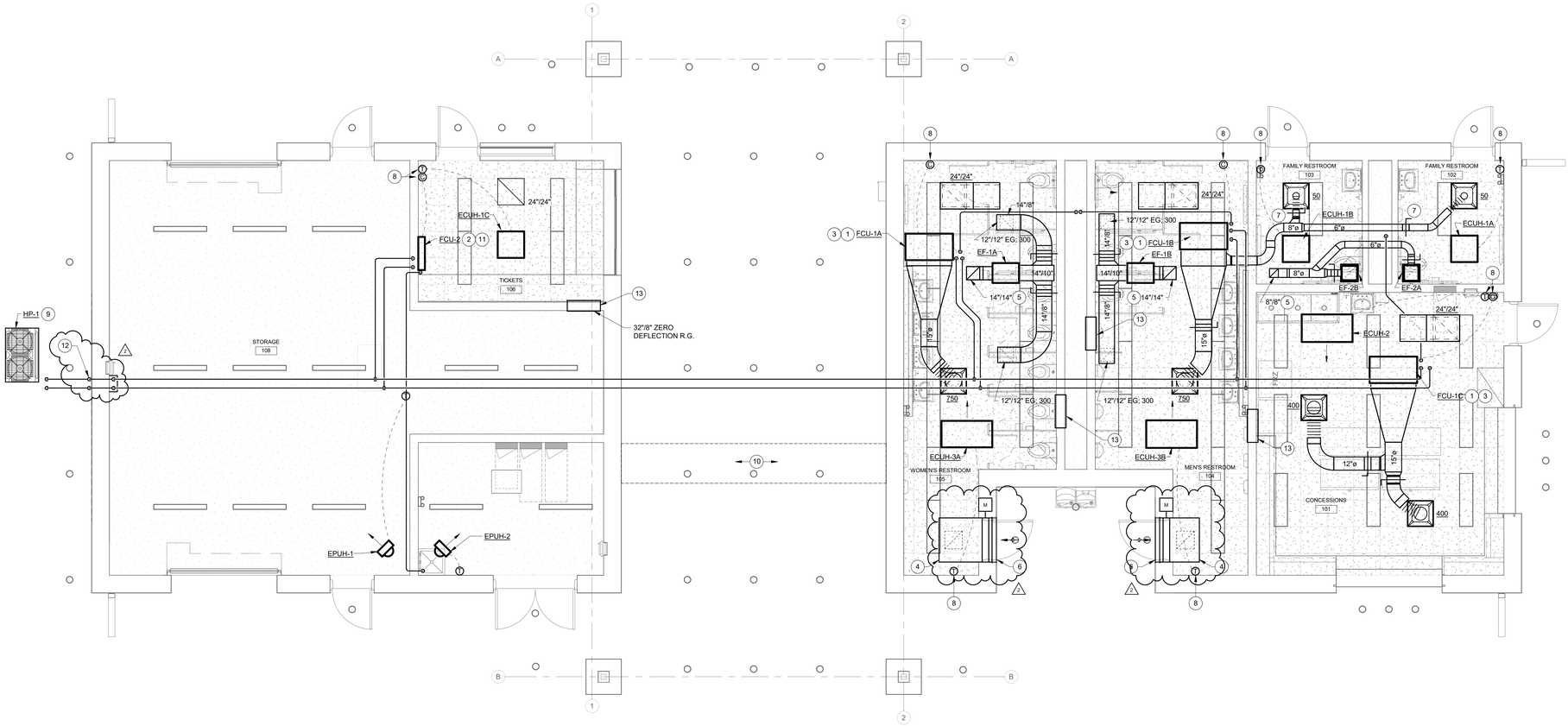
- WORK TO BE INSTALLED
- WORK TO REMAIN

PLAN NOTES:

1. ROUTE TRAPPED CONDENSATE DRAIN LINE DOWN IN BATHROOM CHASE AND TERMINATE AT FLOOR DRAIN WITH AIR GAP FITTING. REFER TO PLUMBING PLANS.
2. ROUTE TRAPPED CONDENSATE DRAIN LINE IN ADJACENT ROOM TO MOP SINK.
3. PROVIDE SECONDARY DRAIN PAN WITH CONNECTION TO CONDENSATE DRAIN.
4. 13" H. PLENUM WITH DUCT TAP BELOW TO 16" x 16" GRILLE IN CEILING. PLENUM SHALL BE INTERNALLY LINED IN ENTIRETY AND ADDITIONALLY WRAPPED WITH 1" DUCT WRAP.
5. UP TO ROOF ON ROOF. REFER TO SHEET M400.
6. LOUVER, 40" W. X 13" H. WITH INSULATED BLADE MOTORIZED DAMPERS BEHIND. POWERED OPEN, SPRING RETURN MOTORIZED DAMPERS; INTERLOCK WITH EXHAUST FANS (SEE ELECTRICAL PLANS). REFER TO SECTION 23 33 00 FOR ADDITIONAL DAMPER REQUIREMENTS. MOTORIZED DAMPER ACTUATOR SHALL BE ACCESSIBLE FROM BELOW.
7. BALANCE TO 400 CFM.
8. MANUFACTURER'S FAN COIL THERMOSTAT/CONTROLLER OR UNIT HEATER THERMOSTAT. ROUTE CONTROL WIRING DOWN IN WALL.
9. MAINTAIN OUTDOOR UNIT MINIMUM 4'-0" FROM WALL OF BUILDING AND MINIMUM 30" CLEAR OF TRANSFORMER. EXTERIOR PIPING MUST BE SUPPORTED ABOVE GRADE WITH STAINLESS STEEL SUPPORTS AND HARDWARE. EXTERIOR PIPING INSULATION SHALL BE WRAPPED IN MULTILAYER WEATHERPROOF JACKET PER SECTION 20 01 80.
10. HEAT TRACE ON ALL DOMESTIC HOT WATER AND COLD WATER LINES IS BY OTHERS, REFER TO ELECTRICAL PLANS. INFILL ENDS OF SOFFIT OPENING WITH BATT INSULATION.
11. MOUNT AS HIGH AS POSSIBLE WITHIN MANUFACTURER'S CLEARANCE REQUIREMENTS.
12. ROUTE PIPING UP OUTSIDE OF WALL TO 30" A.F.F. THEN THRU WALL AND UP INTERIOR OF WALL. COVER INTERIOR PIPING WITH 16 GA. GALVANIZED SHEET METAL PROTECTIVE SHROUD, NOMINAL 6"W x 4"D, FLOOR ELEVATION TO 9'-0" A.F.F.
13. 32"x8" TRANSFER AIR OPENING IN CMU WALL ABOVE CEILING.

GENERAL NOTES - AIR DISTRIBUTION:

- VRF SYSTEM: REFER TO SECTION 23 81 35 FOR ADDITIONAL REQUIREMENTS. PIPE SIZING, LAYOUT, AND LOCATION OF ZONE / BRANCH VALVES SHALL BE INCLUDED WITH VRF SUBMITTAL AND BE APPROVED BY THE ENGINEER.
- INSTALL VRF OUTDOOR UNIT LEVEL ON VIBRATION ISOLATIONS PADS ON 6" TALL CONCRETE EQUIPMENT PAD, PAD 4" WIDER THAN UNIT IN EACH DIRECTION.
- ARCHITECTURAL SCREENWALL AROUND VRF OUTDOOR UNIT IS BY OTHERS REFER TO ARCHITECTURAL PLANS.
- LOUVERS: REFER TO SECTION 23 37 13. CUSTOM COLOR BY ARCHITECT.
- REFER TO ELECTRICAL PLANS FOR CONTROL OF EXHAUST FANS AND CABINET/PROPELLER UNIT HEATER WARM WEATHER LOCK-OUT CONTROLS.
- PROVIDE BACK DRAFT DAMPER AT DISCHARGE OF ALL EXHAUST FANS.
- ALL EXHAUST AND OUTDOOR AIR DUCTWORK SHALL BE INSULATED FROM DAMPER TO BUILDING ENVELOPE INSULATION. REFER TO SECTION 20 01 80 FOR ADDITIONAL INFORMATION.
- ROOF HOODS TO BE PROVIDED WITH SLOPED CURBS. HOODS AND CURBS SHALL BE PAINTED IN CUSTOM COLOR BY ARCHITECT. REFER TO SECTION 20 00 50 FOR PAINT REQUIREMENTS.
- REFER TO SECTION 23 23 00 FOR REFRIGERANT PIPING REQUIREMENTS AND SECTION 20 00 60 FOR CONDENSATE PIPING REQUIREMENTS.
- CONDENSATE DRAIN LINES SHALL BE 3/4" FROM CONNECTION AT FCU TO TERMINATION.
- REFER TO SHEET PM001 FOR ADDITIONAL INFORMATION.



CONCESSIONS BUILDING - MECHANICAL

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

NORTH

0 1 2 3 4 8 12 16

1 2 3 4

NOBLESVILLE SCHOOLS
ENGAGE | INSPIRE | EMPOWER

CSO
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Consulting Engineers
732 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4972
Fax: (317) 638-8725

D&A #24096

PROJECT:
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSIONS BUILDING
1625 Field Dr, Noblesville, IN 46060

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 construction and materials required for the work.
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On the basis of the general scope indicated or described, the Contractor shall furnish all labor and materials required for the proper execution and completion of the work.

REVISIONS:

2	ADDEN. 2	1/24/2025

ISSUE DATE	DRAWN BY	CHECKED BY
12/20/2024	SDF	SPR

DRAWING TITLE:
CONCESSIONS BUILDING - MECHANICAL

CERTIFIED BY:
STEVEN P. ROOKE
REGISTERED
No. 10200100
STATE OF INDIANA
PROFESSIONAL ENGINEER
12/20/2024

DRAWING NUMBER
M201

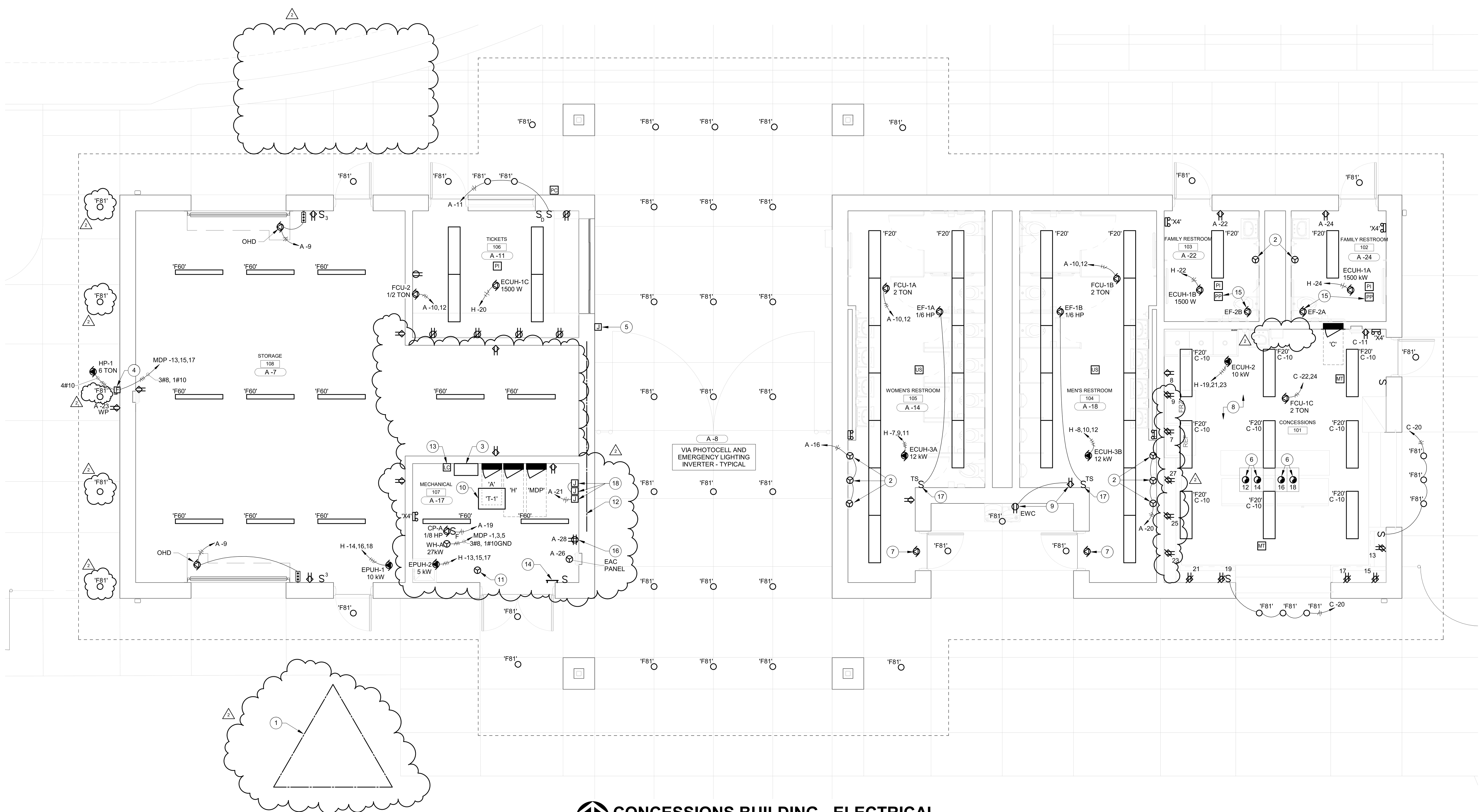
PROJECT NUMBER
2024078

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.

PLAN NOTES:

1. GROUNDING TRIANGLE. SEE DETAIL.
2. ELECTRIC HAND DRYER.
3. EMERGENCY LIGHTING INVERTER. 900W; 120V INPUT; 120V OUTPUT.
4. 30A NEMA 3R F@25A.
5. ELECTRIC HEAT THERMOSTAT. SEE DETAIL.
6. SEE TYPICAL CORD DROP & CEILING SERVICE PANEL DETAIL.
7. MOTORIZED DAMPER. PROVIDE WIRE AND CONDUIT AND INTERLOCK WITH EXHAUST FAN.
8. CIRCUITS INDICATED IN CONCESSION 101 ARE SOURCED FROM PANEL 'C' UNO.
9. FEED EWC FROM LOAD SIDE OF GFCI TYPE RECEPTACLE INDICATED.
10. WALL MOUNT TRANSFORMER ABOVE PANELBOARD 'A'. (2)
11. WATER SERVICE PIPE. SEE GROUNDING DETAILS.
12. CONCRETE-ENCASED ELECTRODE. SEE GROUNDING DETAIL.
13. EXTERIOR LIGHTING CONTACTOR. SEE DETAIL.
14. TMGB. SEE GROUNDING DETAILS.
15. EXHAUST FAN CONTROLLED BY LIGHTING POWER-PACK/RELAY.
16. NETWORK CABINET. SEE TELECOM DRAWINGS.
17. LABEL SWITCH "OFF IN WINTER."
18. 3 HEAT TRACE CONTROLLERS. SEE SPECS.



NOBLESVILLE SCHOOLS

ENGAGE | INSPIRE | EMPOWER

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Fax: (317) 638-8725

PROJECT:

NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSIONS BUILDING
1625 Field Dr, Noblesville, IN 46060

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REVISIONS:

2	ADDEN. 2	1/24/2025

ISSUE DATE	DRAWN BY	CHECKED BY
12/20/2024	LPC	TH

DRAWING TITLE:

CONCESSIONS BUILDING - ELECTRICAL

CERTIFIED BY:

TIMOTHY E. HILL REGISTERED No. PE19800083 STATE OF INDIANA PROFESSIONAL ENGINEER

12/20/2024

DRAWING NUMBER

E201

PROJECT NUMBER

2024078

LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	MOUNTING	WATTS	CRI	COLOR	LUMENS	VOLTS	MANUFACTURER(S)	MARK
F20	1 BY 4-FOOT FLAT PANEL, ACRYLIC LENS, EDGE-LIT, 0-10V DIMMING TO 10-PERCENT	SUSPENDED	40 W	80	3500K	4000	120-277V	COLUMBIA SRP14 SERIES LITHONIA EPANL14 SERIES METALUX 14FPX SERIES	F20
F81	2-INCH APERATURE TAMPER RESISTANT DOWNLIGHT, 80CRI, WET LISTED, FULL CUT-OFF, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATALOG OF STANDARD FINISHES.	RECESSED	20 W	80	3500K	2000	120-277V	GOTHAM EVO2VR SERIES	F81
X4	EMERGENCY LIGHTING UNIT, 90-MINUTE EMERGENCY CAPACITY, DAMP LOCATION LISTED, SELF DIAGNOSTIC.	SURFACE WALL	5 W	80	WHITE	N/A	120-277V	DUAL-LITE EV SERIES SURE-LITES SEL25 SERIES LITHONIA ELM2 SERIES	X4

MDP — PANELBOARD SCHEDULE

LOCATION : MECHANICAL 107 | **SCCR (AMPS RMS...** 35000 | **SERVICE :** 480Y/277V 3Φ 4-Wire+Ground | **MAIN:** MCB
MOUNTING: SURFACE | **NEMA:** 1 | **AMP:** 200 A

CKT	DESCRIPTION	NOTE	AMP	POLE	A	B	C	POLE	AMP	NOTE	DESCRIPTION	CKT
1					9000 / 11729							2
3	WATER HEATER MECHANICAL 107		45 A	3		9000 / 10962		3	70 A		XFMR T-1 PANELBOARDS A &C	4
5							9000 / 11963					6
7					17833 / 0							8
9	PANELBOARD H		100 A	3		17833 / 0		3	40 A		SPARE	10
11							17833 / 0					12
13					6925 / 0							14
15	CONDENSING UNIT HP-1		30 A	3		6925 / 0		3	30 A		SPD	16
17							6925 / 0					18
					TOTALS :	45487 VA	44720 VA	45721 VA				

TOTAL CONNECTED LOAD (VA) : 135929 VA | **TOTAL CONNECTED LOAD (AMPS) :** 163 A

REMARKS:

NOTES:

H — PANELBOARD SCHEDULE

LOCATION : MECHANICAL 107 | **SCCR (AMPS RMS...** 35000 | **SERVICE :** 480Y/277V 3Φ 4-Wire+Ground | **MAIN:** MLO
MOUNTING: SURFACE | **NEMA:** 1 | **AMP:** 100 A

CKT	DESCRIPTION	NOTE	AMP	POLE	A	B	C	POLE	AMP	NOTE	DESCRIPTION	CKT
1					0 / 0							2
3	SPARE		20 A	3		0 / 0		3	15 A		SPARE	4
5							0 / 0					6
7					4000 / 4000							8
9	ECUH-3A WOMENS 105		20 A	3		4000 / 4000		3	20 A		ECUH-3B MENS 104	10
11							4000 / 4000					12
13					1667 / 3333							14
15	EPUH-2 MECHANICAL 107		15 A	3		1667 / 3333		3	20 A		EPUH-1 STORAGE 108	16
17							1667 / 3333					18
19					3333 / 1500			1	15 A			20
21	ECUH-2 CONCESSION 101		20 A	3		3333 / 1500		1	15 A		ECUH-1B RR 103	22
23							3333 / 1500	1	15 A		ECUH-1A RR 102	24
25					0 / 0							26
27	SPARE		30 A	3		0 / 0		3	30 A		SPARE	28
29							0 / 0					30
					TOTALS :	17833 VA	17833 VA	17833 VA				

TOTAL CONNECTED LOAD (VA) : 53500 VA | **TOTAL CONNECTED LOAD (AMPS) :** 64 A

REMARKS:
INLINE MECHANICAL HELD CONTACTOR
SEE DETAIL.

NOTES:

A — PANELBOARD SCHEDULE

LOCATION : MECHANICAL 107 | **SCCR (AMPS RMS...** 10,000 | **SERVICE :** 208Y/120V 3Φ 4-Wire+Ground | **MAIN:** MCB
MOUNTING: SURFACE | **NEMA:** 1 | **AMP:** 150 A

CKT	DESCRIPTION	NOTE	AMP	POLE	A	B	C	POLE	AMP	NOTE	DESCRIPTION	CKT
1	SPARE		20 A	1	0 / 0			1	20 A		SPARE	2
3	SPARE		20 A	1		0 / 0		1	20 A		SPARE	4
5	SPARE		20 A	1			0 / 0	1	20 A		SPARE	6
7	STORAGE 108		20 A	1	1152 / 800			1	20 A		SOFFIT LIGHTING	8
9	OHD STORAGE 108		20 A	1		1176 / 900		2	15 A		FCU-1A MENS 104, FCU-1B WOMENS 105 FCU-1C TICKETS 106	10
11	TICKETS 106		20 A	1			1280 / 900					12
13	SPARE		15 A	2	0 / 1361			1	20 A		WOMENS 105	14
15						0 / 600		1	20 A		HAND DRYERS WOMEN'S RESTROOM 105	16
17	MECHANICAL 107		20 A	1			641 / 1541	1	20 A		MENS 104	18
19	CP-A MECHANICAL 107		15 A	1	696 / 600			1	20 A		HAND DRYERS MEN'S RESTROOM 104	20
21	HEAT TRACE	GP	20 A	1		500 / 1121		1	20 A		FAMILY RR 103	22
23	OUTDOOR RECEPT		20 A	1			180 / 1121	1	20 A		FAMILY RR 102	24
25	SPARE		20 A	1	0 / 1000			1	20 A		EAC PANEL	26
27	SPARE		20 A	1		0 / 1000		1	20 A		DATA CABINET	28
29	SPARE		20 A	1			0 / 0	1	20 A		SPARE	30
31	SPARE		20 A	1	0 / 0			1	20 A		SPARE	32
33	SPARE		20 A	1		0 / 0		1	20 A		SPARE	34
35	SPARE		20 A	1			0 / 1000	1	20 A		BASEBALL SCOREBOARD	36
37					6120 / 0							38
39	PANEL C		100 A	3		5665 / 0		3	30 A		SPD	40
41							5300 / 0					42
					TOTALS :	11729 VA	10962 VA	11963 VA				

TOTAL CONNECTED LOAD (VA) : 34654 VA | **TOTAL CONNECTED LOAD (AMPS) :** 96 A

REMARKS:

NOTES:
GP = GROUND-FAULT PROTECTED.

C — PANELBOARD SCHEDULE

LOCATION : CONCESSIONS 101 | **SCCR (AMPS RMS...** 10,000 | **SERVICE :** 208Y/120V 3Φ 4-Wire+Ground | **MAIN:** MCB
MOUNTING: FLUSH | **NEMA:** 1 | **AMP:** 100 A

CKT	DESCRIPTION	NOTE	AMP	POLE	A	B	C	POLE	AMP	NOTE	DESCRIPTION	CKT
1	SPARE		20 A	1	0 / 0			1	20 A		SPARE	2
3	SPARE		20 A	1		0 / 0		1	20 A		SPARE	4
5	SPARE		20 A	1			0 / 0	1	20 A		SPARE	6
7	RECEPT CONCESSIONS 101		20 A	1	1000 / 1000			1	20 A		RECEPT CONCESSIONS 101	8
9	RECEPT CONCESSIONS 101		20 A	1		1000 / 365		1	20 A		LIGHTING CONCESSION 101	10
11	RECEPT CONCESSIONS 101		20 A	1			1000 / 1000	1	20 A		CORD DROP CONCESSION 101	12
13	RECEPT CONCESSIONS 101		20 A	1	1000 / 1000			1	20 A		CORD DROP CONCESSION 101	14
15	RECEPT CONCESSIONS 101		20 A	1		1000 / 1000		1	20 A		CORD DROP CONCESSION 101	16
17	RECEPT CONCESSIONS 101		20 A	1			1000 / 1000	1	20 A		CORD DROP CONCESSION 101	18
19	RECEPT CONCESSIONS 101		20 A	1	1000 / 120			1	20 A		LIGHTING CONCESSION 101	20
21	RECEPT CONCESSIONS 101		20 A	1		1000 / 300		2	15 A		FCU-1C CONCESSION 101	22
23	RECEPT CONCESSIONS 101		20 A	1			1000 / 300					24
25	RECEPT CONCESSIONS 101		20 A	1	1000 / 0							26
27	RECEPT CONCESSIONS 101		20 A	1		1000 / 0		3	30 A		SPARE	28
29	SPARE		20 A	1			0 / 0					30
					TOTALS :	6120 VA	5665 VA	5300 VA				

TOTAL CONNECTED LOAD (VA) : 17085 VA | **TOTAL CONNECTED LOAD (AMPS) :** 47 A

REMARKS:

NOTES:

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Fax: (317) 638-8725

PROJECT:
NOBLESVILLE EAST MIDDLE SCHOOL
CONCESSIONS BUILDING
1625 Field Dr, Noblesville, IN 46060

SCOPE DRAWINGS:
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REVISIONS:

2	ADDEN. 2	1/24/2025

ISSUE DATE	DRAWN BY	CHECKED BY
12/20/2024	LPC	TH

DRAWING TITLE:
SCHEDULES - ELECTRICAL

CERTIFIED BY:
TIMOTHY E. HILL
REGISTERED
No PE19800083
STATE OF INDIANA
PROFESSIONAL ENGINEER
12/20/2024

DRAWING NUMBER
E601

PROJECT NUMBER
2024078

RENOVATION LEGEND:

WORK TO BE INSTALLED

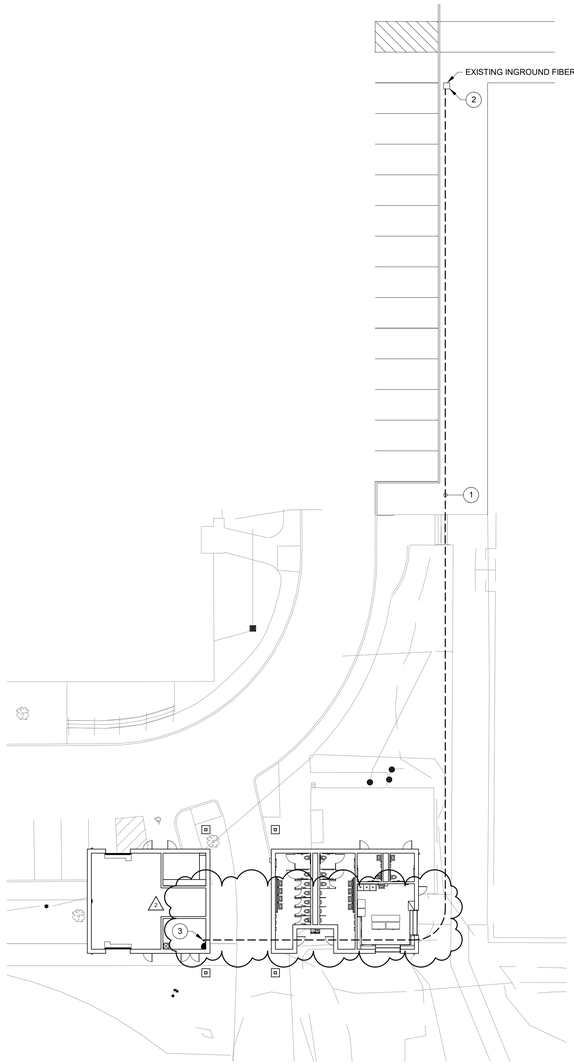
WORK TO REMAIN

GENERAL NOTES:

1. REFER TO DRAWING T001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO DRAWING T405 FOR INSTALLATION DETAILS.
3. THE LOCATION AND ROUTING OF ALL UNDERGROUND CONDUITS SHOWN ON THE DRAWINGS ARE INTENDED AS CONCEPTUAL ONLY AND ARE ANTICIPATED TO VARY DEPENDING UPON ACTUAL FIELD CONDITIONS. THE EXACT LOCATION AND ROUTING OF UNDERGROUND CONDUITS SHALL BE DETERMINED BY THE CONTRACTOR FOLLOWING THE INTENT OF THE DRAWINGS AS GENERAL GUIDELINE ONLY AND SHALL BE APPROVED BY THE OWNER'S FIELD REPRESENTATIVE. PRIOR TO BEGINNING THE INSTALLATION OF UNDERGROUND CONDUITS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESEARCH, LOCATE, AND MARK ANY EXISTING UNDERGROUND UTILITIES THAT MAY INTERFERE WITH THE INSTALLATION OF NEW UNDERGROUND CONDUIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES OR FACILITIES. ANY DAMAGE TO EXISTING UTILITIES OR FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, AS APPROVED BY THE ENGINEER. CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION. LOCATE, IDENTIFY, MARK, AND AVOID ALL EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESEARCH AND IDENTIFY ALL UTILITY COMPANIES WHOSE UTILITIES AND FACILITIES MAY BE AFFECTED BY THIS PROJECT.

(#) PLAN NOTES:

1. PROVIDE 2 INCH UNDERGROUND CONDUIT FROM EXISTING INGROUND FIBER SPLICE BOX TO NEW MECHANICAL ROOM.
2. PROPERLY CORE AND PENETRATE EXISTING INGROUND FIBER SPLICE BOX WITH NEW 2 INCH CONDUIT.
3. TERMINATE NEW 2 INCH UNDERGROUND CONDUIT 6 INCHES ABOVE FINISHED FLOOR.



CONCESSIONS SITE - TELECOMMUNICATIONS

SCALE: 1" = 20'-0"

NORTH

0 5 10 20 40 60 80

1 2 3 4

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PROJECT:
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REVISIONS:

2	ADDEN. 2	1/24/2025

ISSUE DATE	DRAWN BY	CHECKED BY
12/20/2024	VH	JD

DRAWING TITLE:
SITE PLAN - TELECOM.

CERTIFIED BY:
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
James A Darnell
BICSI ID # 101926
EXPIRES 12-31-27
RCDD
12/20/2024

DRAWING NUMBER
T100

PROJECT NUMBER
2024078

RENOVATION LEGEND:

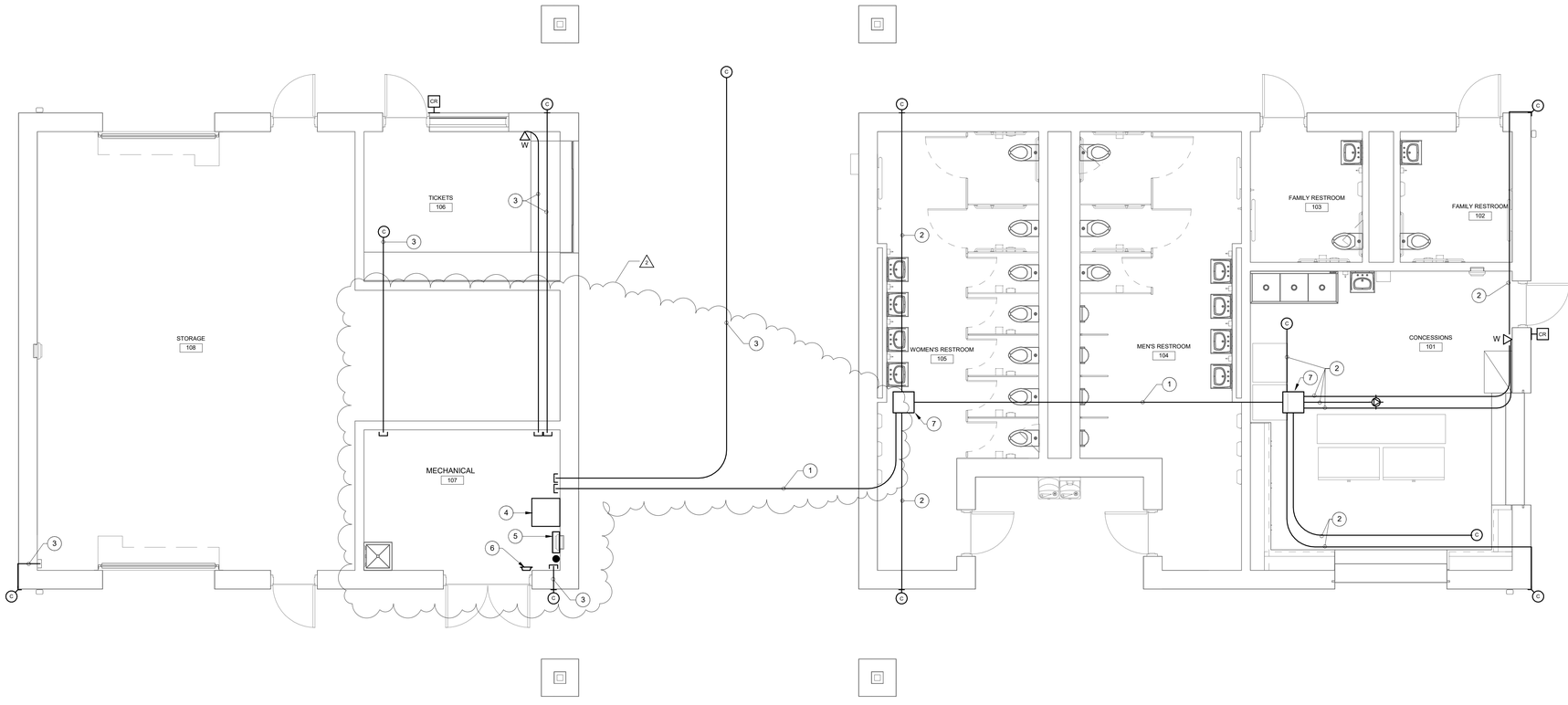
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

1. REFER TO DRAWING T001 FOR ADDITIONAL GENERAL NOTES.

(#) PLAN NOTES:

1. (2) 2 INCH CONDUITS IN CEILING SPACE.
2. (1) 1 INCH CONDUIT FROM DEVICE OUTLET BOX TO 18"x18"x6" CEILING MOUNTED PULL BOX.
3. (1) 1 INCH CONDUIT IN CEILING SPACE FROM DEVICE OUTLET BOX TO MECHANICAL CEILING SPACE.
4. OWNER PROVIDED WALL MOUNTED NETWORK CABINET.
5. OWNER PROVIDED WALL MOUNTED EAC CONTROL PANEL.
6. PROVIDE TELECOM PRIMARY BONDING BUSBAR AS SPECIFIED.
7. PROVIDE 18"x18"x6" JUNCTION BOX IN CEILING SPACE COMPLETE.



CONCESSIONS BUILDING - TELECOMMUNICATIONS

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

NORTH

0 1 2 3 4 8 12 16

1 2 3 4

NOBLESVILLE SCHOOLS
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ISSUE DATE	DRAWN BY	CHECKED BY
12/20/2024	VH	JD

DRAWING TITLE:
CONCESSIONS BUILDING - TELECOM.

CERTIFIED BY:
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
James A Darnell
BICSI ID # 101926
EXPIRES 12-31-27
RCDD
12/20/2024

DRAWING NUMBER
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