ADDENDUM NO. 2

March 5, 2024

Cherry Tree Elementary School Additions & Renovations
13989 Hazel Dell Parkway
Carmel, IN 46033

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated February 9, 2024, by Fanning/Howey. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 – ADD2-2, 01 32 00e Cherry Tree Overall Phasing Plan Final_R2 and attached Fanning/Howey Addendum No. 2, dated March 4, 2024, consisting of 14 items, 3 pages, New Project Manual Section: 32 31 13 – Chain Link Fences and Gates, Revised Project Manual Section: 10 14 19 – Dimensional Letter Signage, Revised Drawing Sheets: GD1.1, G1.1, G4.1, SU1.1, SU1.2, S1.04, S1.05, S3.03, AD0.01, AD0.02, AD0.03, A0.01, A1.06, A5.02, A5.07, A5.08, K5.00, K5.01, K5.02, E2.01, and E8.01.

A. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

1. 3.03 BID CATEGORIES

A. Bid Category No. 1 – General Trades

Add the following Specification Sections:

Section 06 20 23 - Interior Finish Carpentry
Section 06 42 00 - Wood Paneling
Section 32 31 13 - Chain Link Fences and Gates

Delete the following Specification Section:

Section 32 18 16 - Playground Surface Systems

C. Bid Category No. 3 – Masonry

Replace the following Clarification with:

2. Provide all cavity wall insulation within masonry partitions only.

E. Bid Category No. 5 – Metal Studs & Drywall

Delete the following Specification Section:

Section 06 20 23 - Interior Finish Carpentry
Section 06 42 00 - Wood Paneling

Add the following Clarifications:

8. Responsible for all spray foam insulation.
9. Foundation Insulation is by Bid Category 1 – General Trades

H. Bid Category No. 8 – Glass & Glazing

Add the following Clarification:

4. Regarding Sheet A1.01 Notes 3 & 6 both are decorative film overlay. One is on existing glass and the other is on new. It is the same material.

K. Bid Category No. 11 – Electrical and Technology

Add the following Clarifications:

9. The model number for the WAPs are Aruba AP-315
10. Wireless Access Points are 2 Cat6A Cables per location. All other cabling is Category No. 6.
11. Responsible for firestopping Electrical & Technology penetrations only.

B. SPECIFICATION SECTION 00 20 00 INFORMATION AVAILABLE TO BIDDERS

Add the following for Reference:

Existing 1987 Building Lighting Plans for Reference only.

C. SPECIFICATION SECTION 01 32 00 SCHEDULE AND REPORTS

Replace the 01 32 00e Cherry Tree Overall Phasing Plan and replace with included 01 32 00e Cherry Tree Overall Phasing Plan.

ROOM LEGEND - UNIT A

ROOM NO.	ROOM NAME	AREA (SF)
A101	CORRIDOR	217 SF
A102	CORRIDOR	416 SF
A103	CORRIDOR	361 SF
A104	RECEIVING	350 SF
A105	CORRIDOR	262 SF
A106	CORRIDOR	522 SF
A107	VESTIBULE	151 SF
A108	CLASSROOM 34 - F.A.P.	728 SF
A109	SMALL GROUP	213 SF
A110	SENSORY	139 SF
A111	RESTROOM	109 SF
A112	WOMEN	112 SF
A113	MEN	109 SF
A114	IDF	29 SF
A115	CUST.	35 SF
A116	BOYS	103 SF
A117	GIRLS	105 SF
A118	STAGE	900 SF
A119	CAFETORIUM	2,305 SF
A120	GYMNASIUM	4,395 SF
A121	STORAGE	344 SF
A122	P.E. OFFICE	161 SF
A123	PARKS OFFICE	198 SF
A124	FAMILY RR	66 SF
A125	STORAGE	215 SF
A126	OUTDOOR STORAGE	470 SF
A127	ELECTRICAL	197 SF
A128	BOILER ROOM	2,306 SF
A129	CUST. OFFICE	80 SF
A130	CUST. BREAKRM	216 SF
A131	TOILET	41 SF
A132	DRESSING	49 SF
A133	OFFICE	110 SF
A134	DRY GOODS	344 SF
A135	COOLER	235 SF
A136	FREEZER	235 SF
A137	KITCHEN	1,481 SF
A138	LAUNDRY	80 SF
A139	CUST.	80 SF
A140	BREAKROOM	128 SF
A141	DISHWASHING	248 SF

ROOM LEGEND - UNIT B

ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	216 SF
B102	CORRIDOR	1,194 SF
B103	CORRIDOR	689 SF
B104	CORRIDOR	290 SF
B105	VESTIBULE	95 SF
B106	CORRIDOR	1,765 SF
B107	VESTIBULE	89 SF
B108	SECURE VESTIBULE	253 SF
B109	RECEPTION	901 SF
B110	SRO OFFICE	189 SF
B111	LARGE CONFERENCE	477 SF
B112	MOTHERS	91 SF
B113	TEST STOR/ QUIET SPACE	65 SF
B114	SPEECH/HEARING	206 SF
B115	OT/PT OFFICE	272 SF
B116	SOCIAL WORKER	235 SF
B117	PSYCHOLOGIST	191 SF
B118	INST COACH OFFICE	123 SF
B119	CORRIDOR	343 SF
B120	CORRIDOR	248 SF
B121	WORKROOM	418 SF
B122	MEZZANINE	43 SF
B123	IDF	62 SF
B124	ELEC	53 SF
B125	RR	58 SF
B126	CALM	44 SF
B127	STORAGE	100 SF
B128	CORRIDOR	261 SF
B129	PRINCIPAL'S OFFICE	332 SF
B130	SMALL CONFERENCE	183 SF
B131	ASST PRINCIPAL'S OFFICE	262 SF
B132	E.C. SPEECH	174 SF
B133	RR	63 SF
B134	EXAM	84 SF
B135	CLINIC	315 SF
B136	KINDER - CR 1	1,319 SF
B137	STORAGE	80 SF
B138	TOILET	26 SF
B139	SMALL GROUP	235 SF
B140	KINDER - CR 2	1,313 SF
B141	TOILET	24 SF
B142	STORAGE	86 SF
B143	KINDER - CR 3	1,324 SF
B144	STORAGE	80 SF
B145	TOILET	27 SF
B146	KINDER - CR 4	1,321 SF
B147	TOILET	27 SF
B148	STORAGE	80 SF
B149	EARLY CHILD - CR 5	962 SF
B150	RESTROOM	110 SF
B151	STORAGE	59 SF
B152	EARLY CHILD - CR 6	1,160 SF
B153	STORAGE	59 SF
B154	RESTROOM	90 SF
B155	SMALL GROUP	234 SF
B156	MECH	149 SF
B201	MECH. MEZZ.	389 SF

ROOM LEGEND - UNIT C.

ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	2,434 SF
C102	CORRIDOR	2,022 SF
C103	TV STUDIO	194 SF
C104	CLASSROOM 33 - MUSIC	1,227 SF
C105	STORAGE	167 SF
C106	CLASSROOM 32 - ART	1,192 SF
C107	KILN	60 SF
C108	STORAGE	235 SF
C109	MEN	151 SF
C110	WOMEN	148 SF
C111	CLASSROOM 31 - 5TH	962 SF
C112	CLASSROOM 29 - 5TH	874 SF
C113	CLASSROOM 30 - 5TH	981 SF
C114	COMMONS	648 SF
C115	SMALL GROUP	145 SF
C116	CUBBIES	189 SF
C117	IDF/ELEC	82 SF
C118	CUBBIES	189 SF
C119	CLASSROOM 27 - 5TH	981 SF
C120	CLASSROOM 28 - 5TH	874 SF
C121	KINDER - CR 35	1,213 SF
C121A	STORAGE	62 SF
C122	RR	65 SF
C123	EARLY CHILD - CR 36	1,051 SF
C123A	STORAGE	55 SF
C124	RR	65 SF
C125	CLASSROOM 20 - 1ST	977 SF
C126	SHARED STORAGE	116 SF
C127	BOYS	176 SF
C128	CUST.	15 SF
C129	GIRLS	175 SF
C130	SHARED STORAGE	116 SF
C131	CLASSROOM 21 - 2ND	973 SF
C132	STEAM LAB	1,657 SF
C133	DISCOVERY CENTER	2,676 SF
C134	TEACHING AREA	312 SF
C135	DISC CTR STOR	179 SF

ROOM LEGEND - UNIT C.

ROOM NO.	ROOM NAME	AREA (SF)
C136	RR	86 SF
C137	PTO STORAGE	180 SF
C138	RR	87 SF
C139	CORRIDOR	546 SF
C140	RESOURCE OFFICE	239 SF
C141	SENSORY	171 SF
C142	IA OFFICE	182 SF
C143	ST.V THERAPIST	132 SF
C144	CALM	72 SF
C145	STAFF LOUNGE	644 SF
C146	BHVL THERAPIST	132 SF
C147	IT OFFICE/ MDF	272 SF
C148	RR	58 SF
C149	RR	58 SF
C150	GIRLS	195 SF
C151	CUST.	14 SF
C152	BOYS	196 SF
C153	MLL/ INTERVENTION	195 SF
C154	CLASSROOM 7 - 1ST	980 SF
C155	CLASSROOM 8 - 1ST	873 SF
C156	COMMONS	649 SF
C157	SMALL GROUP	145 SF
C158	CUBBIES	188 SF
C159	ELEC/STOR	83 SF
C160	CUBBIES	189 SF
C161	CLASSROOM 9 - 1ST	873 SF
C162	CLASSROOM 10 - 1ST	982 SF
C163	CLASSROOM 11 - 2ND	982 SF
C164	CLASSROOM 12 - 2ND	873 SF
C165	COMMONS	649 SF
C166	SMALL GROUP	145 SF
C167	CUBBIES	189 SF
C168	ELEC/STOR	83 SF
C169	CUBBIES	189 SF
C170	CLASSROOM 13 - 2ND	873 SF
C171	CLASSROOM 14 - 2ND	982 SF

ROOM LEGEND - UNIT D

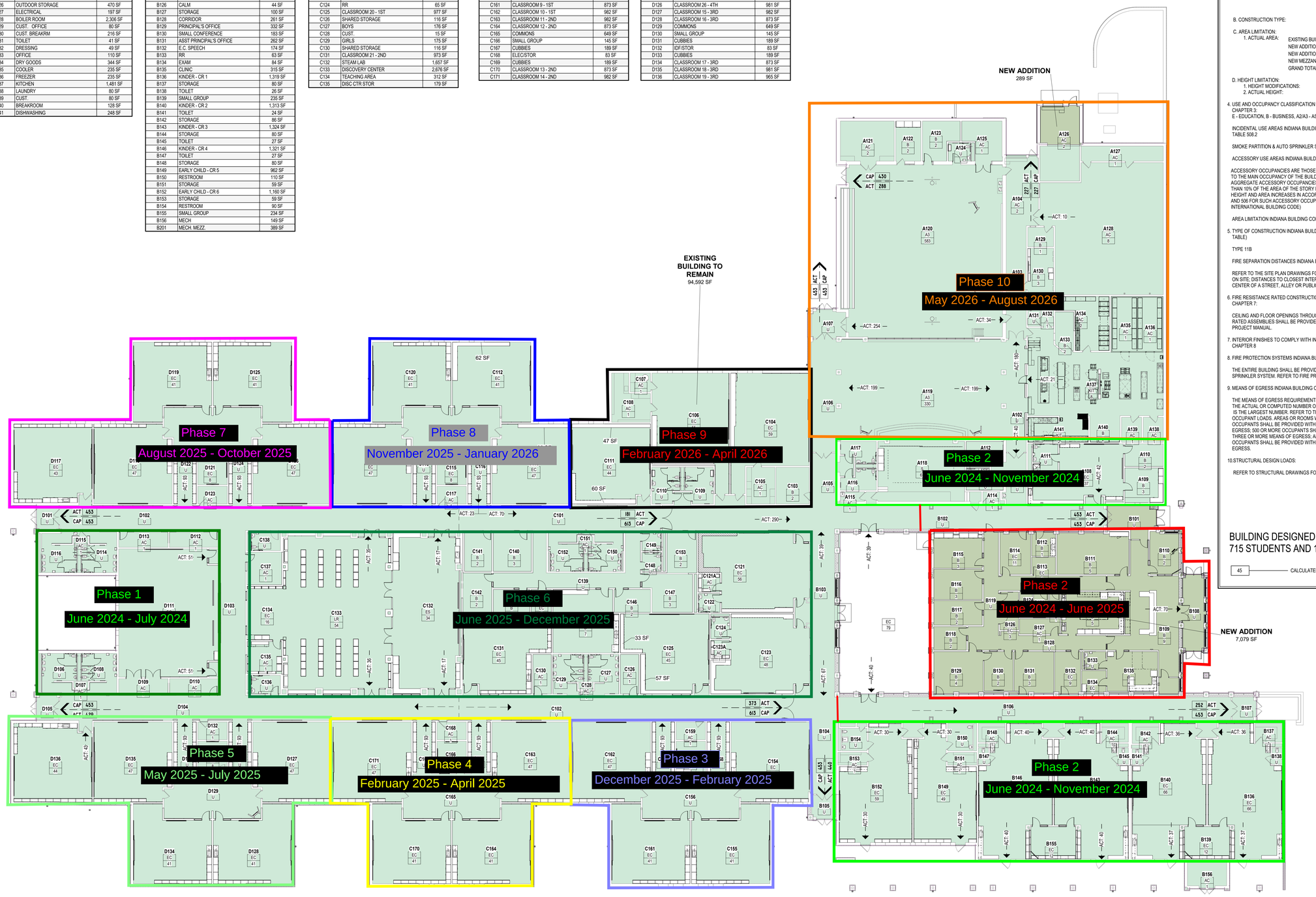
ROOM NO.	ROOM NAME	AREA (SF)
D101	VESTIBULE	86 SF
D102	CORRIDOR	786 SF
D103	CORRIDOR	716 SF
D104	CORRIDOR	1,132 SF
D105	VESTIBULE	87 SF
D106	BOYS	226 SF
D107	CUST.	15 SF
D108	GIRLS	203 SF
D109	LGI STORAGE	119 SF
D110	SHARED STORAGE	119 SF
D111	LARGE GROUP INSTRUCTION	1,993 SF
D112	SHARED STORAGE	120 SF
D113	SHARED STORAGE	119 SF
D114	GIRLS	204 SF
D115	CUST.	15 SF
D116	BOYS	205 SF
D117	CLASSROOM 22 - 4TH	965 SF
D118	CLASSROOM 23 - 4TH	981 SF
D119	CLASSROOM 24 - 4TH	874 SF
D120	COMMONS	648 SF
D121	SMALL GROUP	145 SF
D122	CUBBIES	189 SF
D123	STORAGE	83 SF
D124	CUBBIES	189 SF
D125	CLASSROOM 25 - 4TH	874 SF
D126	CLASSROOM 26 - 4TH	981 SF
D127	CLASSROOM 15 - 3RD	982 SF
D128	CLASSROOM 16 - 3RD	873 SF
D129	COMMONS	649 SF
D130	SMALL GROUP	145 SF
D131	CUBBIES	189 SF
D132	IDF/STOR	83 SF
D133	CUBBIES	189 SF
D134	CLASSROOM 17 - 3RD	873 SF
D135	CLASSROOM 18 - 3RD	981 SF
D136	CLASSROOM 19 - 3RD	965 SF

PLUMBING FIXTURE COUNTS

USER GROUP	NUMBER OF USERS	USER PER GENDER	WATER CLOSETS		LAVATORIES		DRINKING FTNS.	
			REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
EDUCATIONAL (E)	715	358 M.	1/50 = 8	5 W.C. 9 URNL.	1/50 = 8	13	1/100 = 8	6*
		358 F.	1/50 = 8	13 W.C.	1/50 = 8	13		
STAFF(B)	100	33 M.	2	2 W.C. 1 URNL.	1	2	1/100 = 1	1
		67 F.	3	4 W.C.	2	3		

BUILDING DESIGNED FOR 715 STUDENTS AND 100 STAFF

10 UNISEX RESTROOMS LOCATED IN STUDENT AREAS AND NOT INCLUDED IN COUNT
8 UNISEX RESTROOMS LOCATED OFF PUBLIC CORRIDORS AND NOT INCLUDED IN COUNT
2 UNISEX RESTROOMS LOCATED IN ADMIN AREA / KITCHEN AND NOT INCLUDED IN COUNT
* = CLASSROOM SINKS PROVIDED WITH BUBBLERS, NOT INCLUDED IN COUNT
ONE FAMILY TOILET REQUIRED - ONE PROVIDED.



FIRST FLOOR OVERALL CODE PLAN

SCALE: 1/16" = 1'-0"

BUILDING CODE INFORMATION

1. BUILDING DESCRIPTION: ADDITION/RENOVATION PRE-K-5 SCHOOL

2. APPLICABLE CODE:
2012 INTERNATIONAL BUILDING CODE - INDIANA BUILDING CODE, 2014 EDITION (675 IAC 13-2.6)
2012 INTERNATIONAL FIRE CODE - INDIANA FIRE CODE, 2014 EDITION (675 IAC 22-2)
2012 INTERNATIONAL MECHANICAL CODE - INDIANA MECHANICAL CODE, 2014 EDITION (675 IAC 18-1.6)
2012 INTERNATIONAL PLUMBING CODE - INDIANA PLUMBING CODE, 2012 EDITION (675 IAC 16-1.4)
2012 INTERNATIONAL ELECTRICAL CODE - INDIANA ELECTRICAL CODE, 2009 EDITION [NFPA 70-2008] (675 IAC 17-1.8)
INDIANA ENERGY CONSERVATION CODE, 2010 (ASHRAE 90.1, 2007 AMENDED) (672 IAC 19-4)
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

3. BUILDING AREA AND HEIGHT

A. OCCUPANCY/USE GROUP: A2, CAFETERIA / COMMONS
A3, GYMNASIUM
B, ADMINISTRATION
E NON SEPARATED USES (302.1)

B. CONSTRUCTION TYPE: 11B (601)

C. AREA LIMITATION: UNLIMITED

1. ACTUAL AREA:

EXISTING BUILDING TO REMAIN	94,592 SF
NEW ADDITION	7,079 SF
NEW ADDITION	289 SF
NEW MEZZANINE	442 SF
GRAND TOTAL	102,402 SF

D. HEIGHT LIMITATION: 4 STORY, 55'-0" (TABLE 503)
1. HEIGHT MODIFICATIONS: 5 STORY, 75'-0" (504.2)
2. ACTUAL HEIGHT: 2 STORY, 31'-0"

4. USE AND OCCUPANCY CLASSIFICATION INDIANA BUILDING CODE CHAPTER 3:
E - EDUCATION, B - BUSINESS, A2/A3 - ASSEMBLY

INCIDENTAL USE AREAS INDIANA BUILDING CODE SECTION AND TABLE 508.2

SMOKE PARTITION & AUTO SPRINKLER SYSTEM

ACCESSORY USE AREAS INDIANA BUILDING CODE SECTION 508.3.1.

ACCESSORY OCCUPANCIES ARE THOSE OCCUPANCIES SUBSIDIARY TO THE MAIN OCCUPANCY OF THE BUILDING OR PORTION THEREOF. AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10% OF THE AREA OF THE STORY IN TABLE 503 WITHOUT HEIGHT AND AREA INCREASES IN ACCORDANCE WITH SECTIONS 504 AND 506 FOR SUCH ACCESSORY OCCUPANCIES (2012 INTERNATIONAL BUILDING CODE)

AREA LIMITATION INDIANA BUILDING CODE SECTION 503

5. TYPE OF CONSTRUCTION INDIANA BUILDING CODE CHAPTER 6 (SEE TABLE)

TYPE 11B

FIRE SEPARATION DISTANCES INDIANA BUILDING CODE TABLE 602:

REFER TO THE SITE PLAN DRAWINGS FOR LOCATION OF BUILDING(S) ON SITE; DISTANCES TO CLOSEST INTERIOR LOT LINES; TO THE CENTER OF A STREET, ALLEY OR PUBLIC WAY.

6. FIRE RESISTANCE RATED CONSTRUCTION INDIANA BUILDING CODE CHAPTER 7:

CEILING AND FLOOR OPENINGS THROUGH NON-FIRE-RESISTANCE-RATED ASSEMBLIES SHALL BE PROVIDED WITH FIREBLOCKING PER PROJECT MANUAL.

7. INTERIOR FINISHES TO COMPLY WITH INDIANA BUILDING CODE CHAPTER 8

8. FIRE PROTECTION SYSTEMS INDIANA BUILDING CODE CHAPTER 9:

THE ENTIRE BUILDING SHALL BE PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM. REFER TO FIRE PROTECTION DRAWINGS.

9. MEANS OF EGRESS INDIANA BUILDING CODE CHAPTER 10:

THE MEANS OF EGRESS REQUIREMENTS SHALL BE DETERMINED BY THE ACTUAL OR COMPUTED NUMBER OF OCCUPANTS WHICHEVER IS THE LARGEST NUMBER. REFER TO THE CODE PLANS FOR ROOM OCCUPANT LOADS. AREAS OR ROOMS WITH 50 OR MORE OCCUPANTS SHALL BE PROVIDED WITH TWO OR MORE MEANS OF EGRESS; 500 OR MORE OCCUPANTS SHALL BE PROVIDED WITH THREE OR MORE MEANS OF EGRESS; AND 1000 OR MORE OCCUPANTS SHALL BE PROVIDED WITH FOUR OR MORE MEANS OF EGRESS.

10. STRUCTURAL DESIGN LOADS:

REFER TO STRUCTURAL DRAWINGS FOR CODE REQUIREMENTS

BUILDING DESIGNED FOR:
715 STUDENTS AND 100 STAFF

45 — CALCULATED MAXIMUM OCCUPANT LOAD

CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

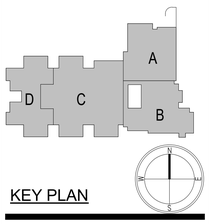
CARMEL CLAY SCHOOLS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

350 E. NEW YORK ST, INDIANAPOLIS IN 46204



KEY PLAN

BIDS

PAUL A. MILLER REGISTERED No. A 11300161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: SAM
DRAWN BY: TPV
PROJECT NUMBER: 222011.00
PROJECT ISSUE DATE: 12.15.2023

REV. NO.	DESCRIPTION	DATE

FIRST FLOOR CODE PLAN

A0.01

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GENERAL NOTES:

1. INDICATES 2-LAMP BALLAST CONN CTED TO SELF-CONTAINED EMERGENCY BATTERY SYSTEM. C INECT AHEAD OF SWITCHING.

2. NL INDICATES 2-LAMP BALLAST CONN CTED TO EMERGENCY CIRCUIT. THE SYMBOL NL INDICATES BALLA IS TO BE UNSWITCHED FOR CONTINUOUS OPERATION.

2. FF3(10) a,b
   - DENOTES FIXTURE COU
   - DENOTES FIXTURE TYPE
   - DENOTES SWITCHING A ANGEMENT

NOTE:
CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FIXTURE COUNTS PRIOR TO ORDERING FIXT ES.

4. REFER TO A DRAWING SERIES OF FLECTED CEILING PLANS, FOR FINAL LOCATIONS OF CEILING MOU TED LIGHT FIXTURES.

5. CONTRACTOR TO CONSULT ARCHIT TURAL DRAWING FOR WALLS THAT ARE TO RECEIVE SURFACE T K BOARDS. CONTRACTOR WILL BE REQUIRED TO EXTEND DEV E BOXES THROUGH TACK BOARDS TO SATISFY NEC CODE 31 20 FOR COMBUSTIONAL SURFACE MATERIAL.

PLAN NOTES:

(1) EXCHANGE EXISTING END CAP F R CONNECTOR AND CONTINUE EXISTING ROW OF FIX RES. CONNECT TO EXISTING CORRIDOR LIGHTING CI UIT AND SWITCHING.

(2) EXISTING EXIT FIXTURE RELOCAT HERE.

(3) THESE FIXTURES ARE TO BE CH N HUNG AND MC CABLE CONNECTED. HEIGHT TO BE +9'- " AFF. COORDINATE LOCATIONS WITH DIV. 15 SHEET ETAL AND PIPING.

(4) CONTRACTOR TO MATCH INDIREC LIGHTING FIXTURE STEM LENGTHS WITH EXISTING KINDER RTEN LIGHTING SYSTEM.

(5) CONNECT NEW FIXTURES AND S TCHING TO EXISTING LIGHTING CIRCUIT NOW FEEDING HIS AREA.

(6) EXISTING INDIRECT SUSPENDED TURES TO REMAIN.

(7) CONTRACTOR TO REUSE ONE (1) OF THE EXISTING INDIRECT SUSPENDED FIXTURES AT THIS W LOCATION. RELAMP WITH NEW ELECTRONIC BALLAST AND 32T8 LAMPS. CONNECT TO EXISTING LIGHTING CIRCUIT AND WITCHING.

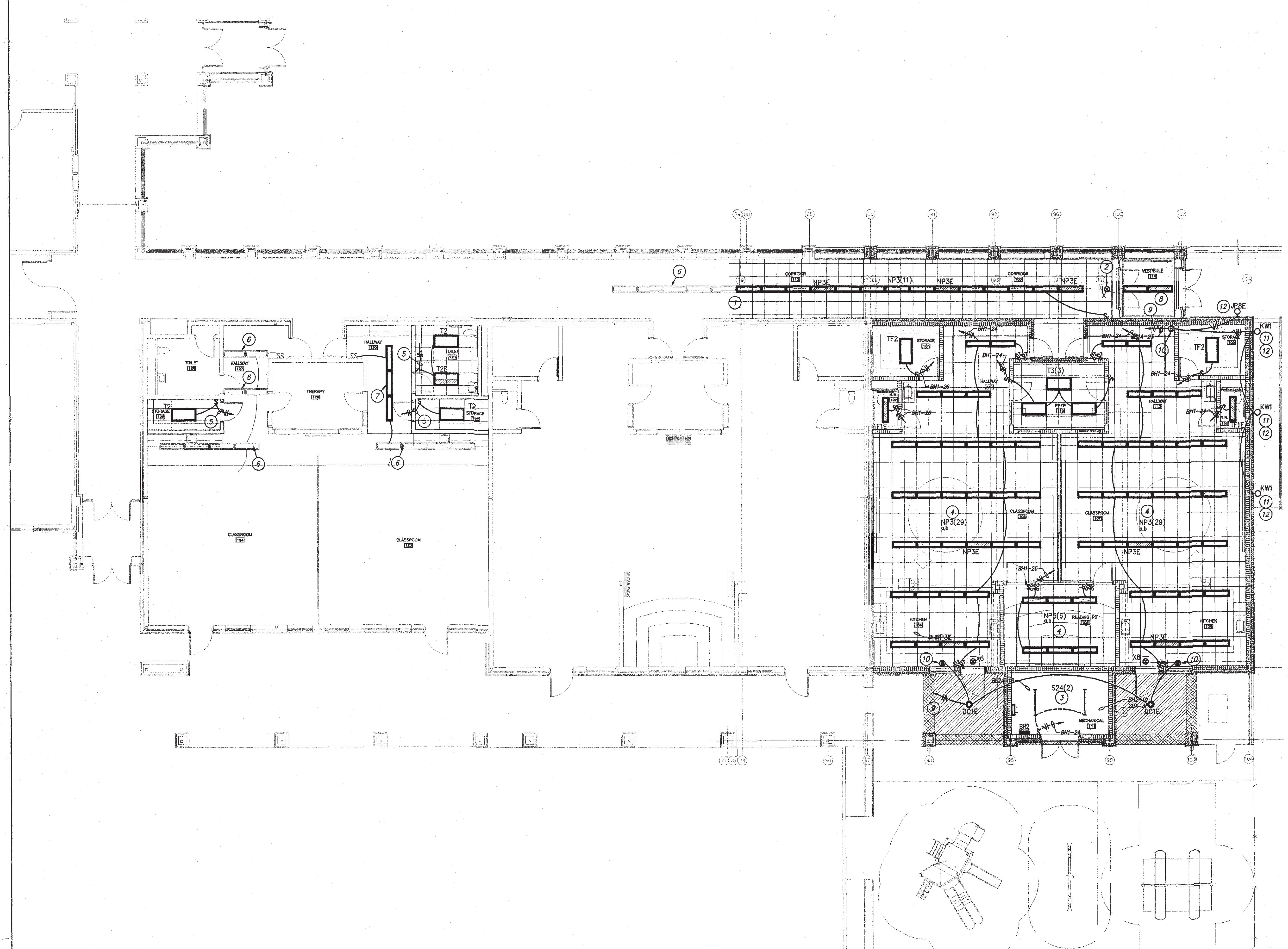
(8) EXISTING VESTIBULE FIXTURE RE CATED HERE.

(9) 2#10, #12G, 3/4"C TO EXISTING ANOPY OUTSIDE LIGHTING FIXTURE CIRCUIT.

(10) EMERGENCY BATTERY BALLASTS OCATED ABOVE CEILING.

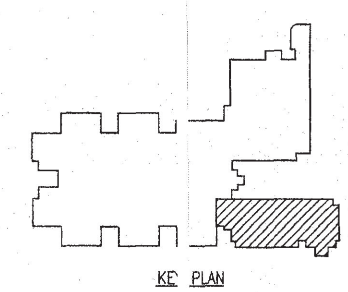
(11) RECESSED STEP LIGHT APPROX. 18" TO BOTTOM COORDINATE WITH BRICK HEIGHT.

(12) FOR MOUNTING LOCATION SEE A CHITECTURAL ELEVATION.



FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

NORTH



KEY PLAN

Revisions | Mark | Date | Description

CONSULTANTS

MOORE ENGINEERS
A PROFESSIONAL CORPORATION
Two Meridian Park Place
12400 North Meridian Street, Suite 150
P.O. Box 40439
Indianapolis, Indiana 46240-0439
(317) 848-5045 Fax: (317) 848-2765
mepc@moore-engineers.com

7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
(317) 842-6777 FAX (317) 841-4798
E-Mail cripe@cripe.biz
- ARCHITECTURE
- CIVIL ENGINEERS
- LANDSCAPE ARCHITECTURE
- LAND PLANNING
- LAND SURVEYORS
- TRANSPORTATION ENGINEERS
- GIS

Architects & Engineers

FIRST FLOOR LIGHTING PLAN

CHERRY TREE ELEMENTARY ADDITION + RENOVATION

CARMEL CLAY SCHOOL CORPORATION
5201 EAST 131st STREET
CARMEL, INDIANA 46033

CERTIFIED BY: Timothy V. Moore

TIMOTHY V. MOORE REGISTERED No. 13815 STATE OF INDIANA PROFESSIONAL ENGINEER

Drawn By: TRL
Checked By: LRS
Quality Assurance: LRS
Scale: 1/8"=1'-0"
Sheet: E301
Date: 1/18/05
Project Number: PIC 0940501-10050
MEPC No. 04066

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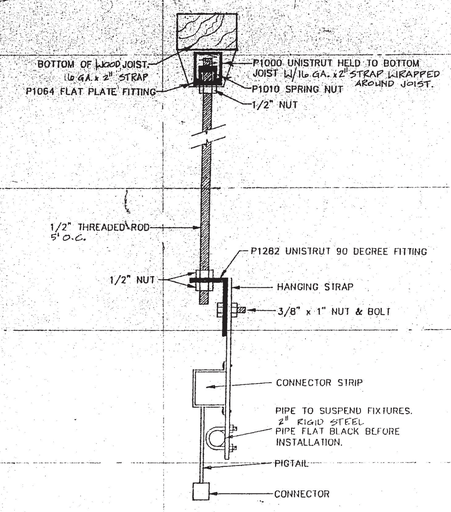
CARMEL ELEMENTARY UNIT "A"

ROOM NO.	ROOM NAME	CEILING HEIGHT	AREA SQ. FT.	ROOM NO.	ROOM NAME	CEILING HEIGHT	AREA SQ. FT.
A101	VESTIBULE	10'-0"	140	A128	PASSAGE	9'-6"	28
A102	CORRIDOR	10'-0"	980	A129	COMMUNITY	9'-6"	686
A103	CORRIDOR	12'-0"	716	A130	PTO	9'-6"	545
A104	CORRIDOR	10'-0"	200	A131	LAUNDRY	8'-0"	80
A105	CORRIDOR	10'-0"	200	A132	CUSTODIAN	8'-0"	80
A106	VESTIBULE	10'-0"	706	A133	UTERIL WASH	9'-6"	135
A107	VESTIBULE	10'-0"	140	A134	DISHWASHING	9'-6"	258
A108	STORAGE	9'-6"	377	A135	KITCHEN	9'-6"	1480
A109	CERAMICS	9'-6"	64	A136	FREEZER	----	231
A110	ART ROOM	9'-6"	1100	A137	COOLER	----	231
A111	GIRLS TOILET	9'-6"	155	A138	DRY GOODS	9'-6"	409
A112	BOYS TOILET	9'-6"	155	A139	OFFICE	8'-0"	56
A113	MUSIC	9'-6"	1265	A140	DRESSING	8'-0"	35
A114	STORAGE	9'-6"	377	A141	TOILET	8'-0"	35
A115	PASSAGE	12'-0"	460	A142	CUSTODIAN	9'-6"	310
A116	PASSAGE	12'-0"	368	A143	MECHANICAL	----	2344
A117	CAFETORIUM	----	2680	A144	ELECTRICAL	9'-6"	198
A118	STAGE	21'-4"	555	A145	GROUNDS-KEEPING	12'-0"	222
A119	RAMP	----	139	A146	RECEIVING	10'-0"	351
A120	GIRLS TOILET	8'-0"	149	A147	BOYS LOCKER	9'-6"	202
A121	BOYS TOILET	8'-0"	149	A148	SHOWER	7'-6"	25
A122	PASSAGE	9'-6"	40	A149	SHOWER	7'-6"	25
A123	JANITOR	9'-6"	40	A150	GIRLS LOCKER	9'-6"	203
A124	PAY PHONE	9'-6"	28	A151	P.E. OFFICE	9'-6"	160
A125	PAY PHONE	9'-6"	28	A152	P.E. STORAGE	9'-6"	340
A126	MEN	8'-0"	149	A153	PHYSICAL ED.	----	3754
A127	WOMEN	8'-0"	149	A154	BLEACHERS	----	660



ELLIPSOIDAL LIGHT MOUNTING DETAIL

NO SCALE

ALL 2' X 4' LIGHT FIXTURES SHALL BE TYPE "F-3"; ALL 1' X 4' SHALL BE TYPE "F-1" AND ALL 2' X 2' SHALL BE TYPE "F-22" UNLESS OTHERWISE NOTED. TYPICAL FOR UNITS "A" THRU "D".

PLAN NOTES:

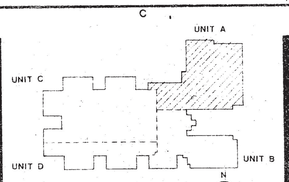
1. CONNECT TO GYM LIGHTING CIRCUIT BEFORE SWITCHING, MOUNTED @ 8' A.F.F.
2. E.S. CONDUIT CONCEALED ABOVE WOODEN CEILING BELOW ROOFING, THIS SHEET.
3. DELETE SPEC. SECTION 16770, 2.01.B ENTIRELY. USE SOUNDOLIER QFB15 SPEAKERS MOUNTED 20'A.F.F.
4. HORN SPEAKERS 20' AFF. CONNECTED TO CENTRAL SOUND.

PEARSON ELECTRIC, INC.
4331 Hull Street
INDIANAPOLIS, INDIANA 46226
(317) 545-1328

RECORD DRAWING

CHARLES E. FARRIOTT REGISTERED No. 17571 STATE OF INDIANA ARCHITECT

CARMEL CLAY
ELEMENTARY SCHOOL
CARMEL INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

LIGHTING PLAN UNIT "A"

DRAWN BY: MMS COMM. NO.: 8703.00
CHECKED BY: JWG DATE: 12/15/87

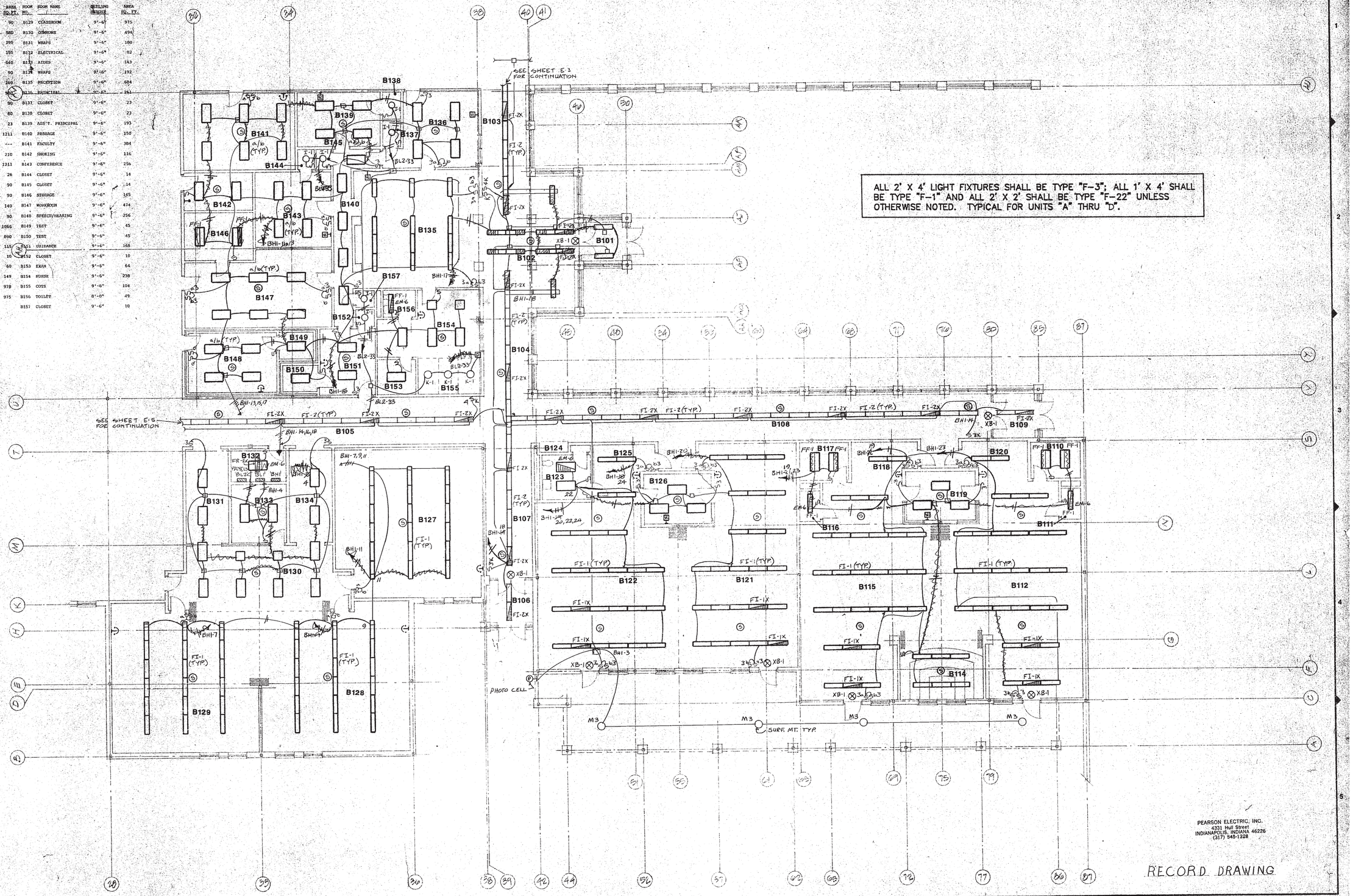
REVISIONS NO. DATE

E3

CARMEL CLAY ELEMENTARY SCHOOL

GENERAL ELEMENTARY UNIT "B"

ROOM NO.	ROOM NAME	CEILING HEIGHT	AREA SQ. FT.	ROOM NO.	ROOM NAME	CEILING HEIGHT	AREA SQ. FT.
B101	VESTIBULE	10'-0"	90	B129	CLASSROOM	9'-6"	975
B102	LOBBY	SLOPED	580	B130	COMMONS	9'-6"	494
B103	CORRIDOR	10'-0"	395	B131	WRAPS	9'-6"	100
B104	CORRIDOR	10'-0"	195	B132	ELECTRICAL	9'-6"	82
B105	CORRIDOR	12'-0"	640	B133	AIDES	9'-6"	143
B106	VESTIBULE	10'-0"	90	B134	WRAPS	9'-6"	192
B107	CORRIDOR	10'-0"	269	B135	RECEPTION	9'-6"	684
B108	CORRIDOR	10'-0"	960	B136	PRINCIPAL	9'-6"	261
B109	VESTIBULE	10'-0"	90	B137	CLOSET	9'-6"	23
B110	STORAGE	9'-6"	80	B138	CLOSET	9'-6"	23
B111	TOILET	9'-6"	23	B139	ASS'T. PRINCIPAL	9'-6"	193
B112	KINDERGARTEN	9'-6"	1211	B140	PASSAGE	9'-6"	150
B113	HOT USED	----	---	B141	FACULTY	9'-6"	384
B114	STORY PIT	9'-6"	210	B142	SMOKING	9'-6"	116
B115	KINDERGARTEN	9'-6"	1211	B143	CONFERENCE	9'-6"	156
B116	TOILET	9'-6"	26	B144	CLOSET	9'-6"	14
B117	STORAGE	9'-6"	90	B145	CLOSET	9'-6"	14
B118	WRAPS	9'-6"	90	B146	STORAGE	9'-6"	145
B119	OFFICE	9'-6"	140	B147	WORKROOM	9'-6"	474
B120	WRAPS	9'-6"	90	B148	SPEECH/HEARING	9'-6"	256
B121	LEARNING DISORDERS	9'-6"	1056	B149	TEST	9'-6"	45
B122	MULTIPLE HANDICAPPED	9'-6"	890	B150	TEST	9'-6"	45
B123	W.C. TOILET	9'-6"	115	B151	GUIDANCE	9'-6"	165
B124	ELECTRICAL	9'-6"	10	B152	CLOSET	9'-6"	10
B125	WRAPS	9'-6"	60	B153	EXAM	9'-6"	64
B126	OFFICE	9'-6"	149	B154	NURSE	9'-6"	238
B127	CLASSROOM	9'-6"	978	B155	COTS	9'-6"	104
B128	CLASSROOM	9'-6"	975	B156	TOILET	8'-0"	49
				B157	CLOSET	9'-6"	10



ALL 2' X 4' LIGHT FIXTURES SHALL BE TYPE "F-3"; ALL 1' X 4' SHALL BE TYPE "F-1" AND ALL 2' X 2' SHALL BE TYPE "F-22" UNLESS OTHERWISE NOTED. TYPICAL FOR UNITS "A" THRU "D".

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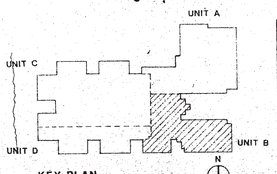
RECORD DRAWING

CHARLES E. PARROTT REGISTERED No. 1757 STATE OF INDIANA ARCHITECT

CARMEL CLAY ELEMENTARY SCHOOL

CARMEL INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

LIGHTING PLAN UNIT "B"

DRAWN BY: MMS COMM. NO.: 8703.00
CHECKED BY: JHG DATE: 12/15/87
REVISIONS NO. DATE

E4

CARMEL CLAY ELEMENTARY SCHOOL

ROOM NO.	ROOM NAME	CEILING HEIGHT	AREA SQ. FT.
C101	CORRIDOR	12'-0"	660
C102	CORRIDOR	12'-0"	1520
C103	CORRIDOR	12'-0"	1520
C104	CORRIDOR	12'-0"	630
C105	CORRIDOR	12'-0"	660
C106	CORRIDOR	12'-0"	630
C107	VESTIBULE	10'-0"	90
C108	VESTIBULE	10'-0"	90
C109	COMPUTER ROOM	9'-6"	984
C110	GIRLS' TOILET	9'-6"	161
C111	BOYS' TOILET	9'-6"	161
C112	PASSAGE	9'-6"	42
C113	PASSAGE	9'-6"	42
C114	JANITOR	9'-6"	14
C115	BOYS' TOILET	9'-6"	161
C116	GIRLS' TOILET	9'-6"	161
C117	PASSAGE	9'-6"	42
C118	PASSAGE	9'-6"	42
C119	JANITOR	9'-6"	14
C120	AUDIO VISUAL	9'-6"	504
C121	PASSAGE	9'-6"	168
C122	WORK AREA	9'-6"	704
C123	OFFICE	9'-6"	120
C124	PROCESSING	9'-6"	204
C125	PREVIEW	9'-6"	33
C126	PREVIEW	9'-6"	33
C127	PASSAGE	9'-6"	48

ROOM NO.	ROOM NAME	CEILING HEIGHT	AREA SQ. FT.
C128	CLASSROOM	9'-6"	975
C129	CLASSROOM	9'-6"	978
C130	CLASSROOM	9'-6"	978
C131	WRAPS	9'-6"	189
C132	WRAPS	9'-6"	189
C133	AISLES	9'-6"	144
C134	ELECTRICAL	9'-6"	84
C135	COMMONS	9'-6"	498
C136	COMMONS	9'-6"	498
C137	WRAPS	9'-6"	189
C138	WRAPS	9'-6"	189
C139	AISLES	9'-6"	144
C140	AUDITORIUM	9'-6"	84
C141	MEDIA MEZZANINE	-----	490

ROOM NO.	ROOM NAME	CEILING HEIGHT	AREA SQ. FT.
C142	CONFERENCE	9'-6"	189
C143	MEDIA CENTER	-----	4000
C144	STAIR	-----	----
C145	LARGE GROUP LECT.	10'-4"	924
C146	PASSAGE	9'-6"	70
C147	PASSAGE	9'-6"	70
C148	STORAGE	9'-6"	104
C149	STORAGE	9'-6"	104
C150	CLASSROOM	9'-6"	978
C151	CLASSROOM	9'-6"	978
C152	CLASSROOM	9'-6"	978
C153	CLASSROOM	9'-6"	978
C154	CLASSROOM	9'-6"	978
C155	CLASSROOM	9'-6"	978
C156	CLASSROOM	9'-6"	975
C157	CLASSROOM	9'-6"	975
C158	CLASSROOM	9'-6"	975
C159	CLASSROOM	9'-6"	975
C160	WRAPS	9'-6"	189
C161	WRAPS	9'-6"	189
C162	AISLES	9'-6"	144
C163	ELECTRICAL	9'-6"	84
C164	COMMONS	9'-6"	498
C165	COMMONS	9'-6"	498
C166	WRAPS	9'-6"	189
C167	WRAPS	9'-6"	189
C168	AISLES	9'-6"	144
C169	AUDITORIUM	9'-6"	84

ALL 2' X 4' LIGHT FIXTURES SHALL BE TYPE "F-3"; ALL 1' X 4' SHALL BE TYPE "F-1" AND ALL 2' X 2' SHALL BE TYPE "F-22" UNLESS OTHERWISE NOTED. TYPICAL FOR UNITS "A" THRU "D".

PLAN NOTES:

1. ALL BATTERY PACK UNITS @ 8' A.FF. AND CONNECTED TO SOURCE OF LOCAL LIGHTING BEFORE SWITCHING, THRU WALL RECEPTACLE AT EACH LOCATION SHOWN.

SEE UNIT D, SHEET E-6 FOR LIGHTING IN THIS AREA

C129 TO FIRST ROW OF LIGHTS ABOVE MEDIA MEZZANINE SEE SHEET E-6

TO CL-3 IN ROOM 3120 SHT. E-4

SEE SHEET E-5 FOR CONTINUATION

SEE SHEET E-5 FOR CONTINUATION

SEE SHEET E-4 FOR CONTINUATION

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RECORD DRAWING

CHARLES E. PARRETT REGISTERED No. 1757 STATE OF INDIANA ARCHITECT

CARMEL CLAY
ELEMENTARY SCHOOL
CARMEL INDIANA

UNIT A / UNIT B / UNIT C / UNIT D
KEY PLAN

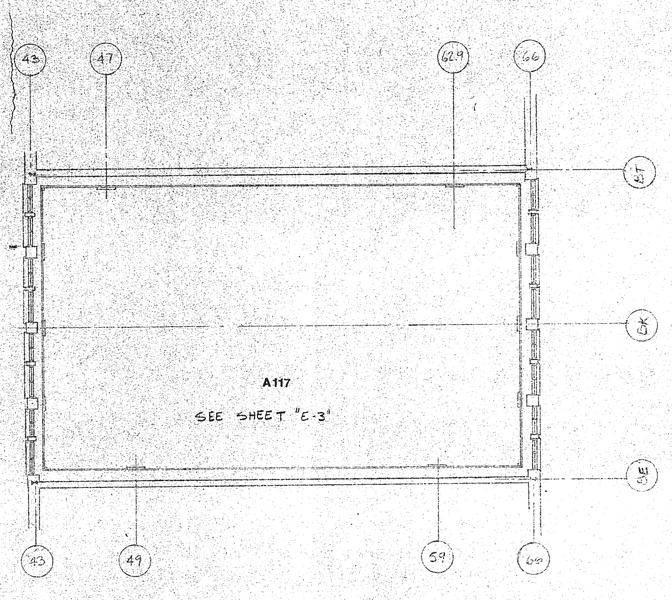
FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

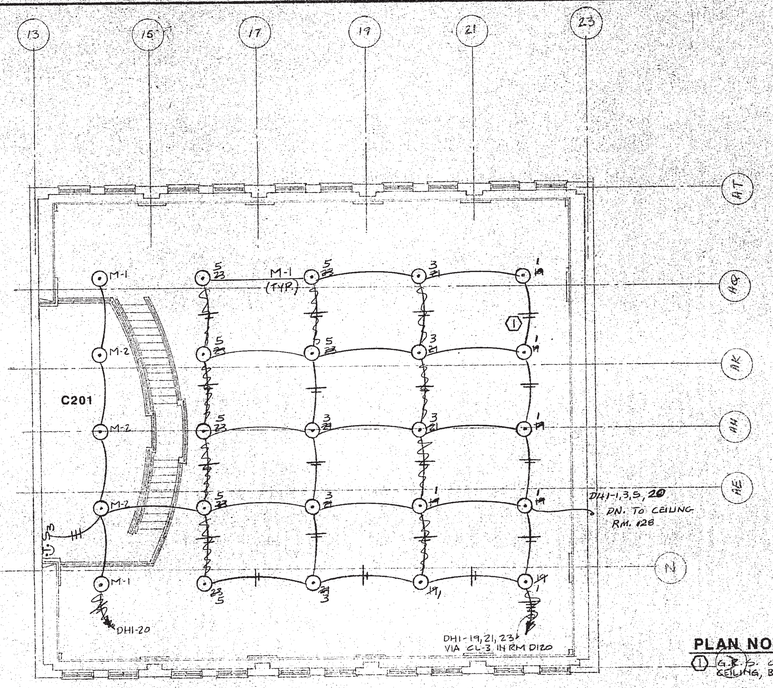
LIGHTING PLAN UNIT "C"

DRAWN BY: MMS | COMM. NO.: 8703.00
CHECKED BY: JJG | DATE: 12/15/87
REVISIONS NO. DATE

E5

CARMEL CLAY ELEMENTARY SCHOOL





CARMEL ELEMENTARY UNIT "D"

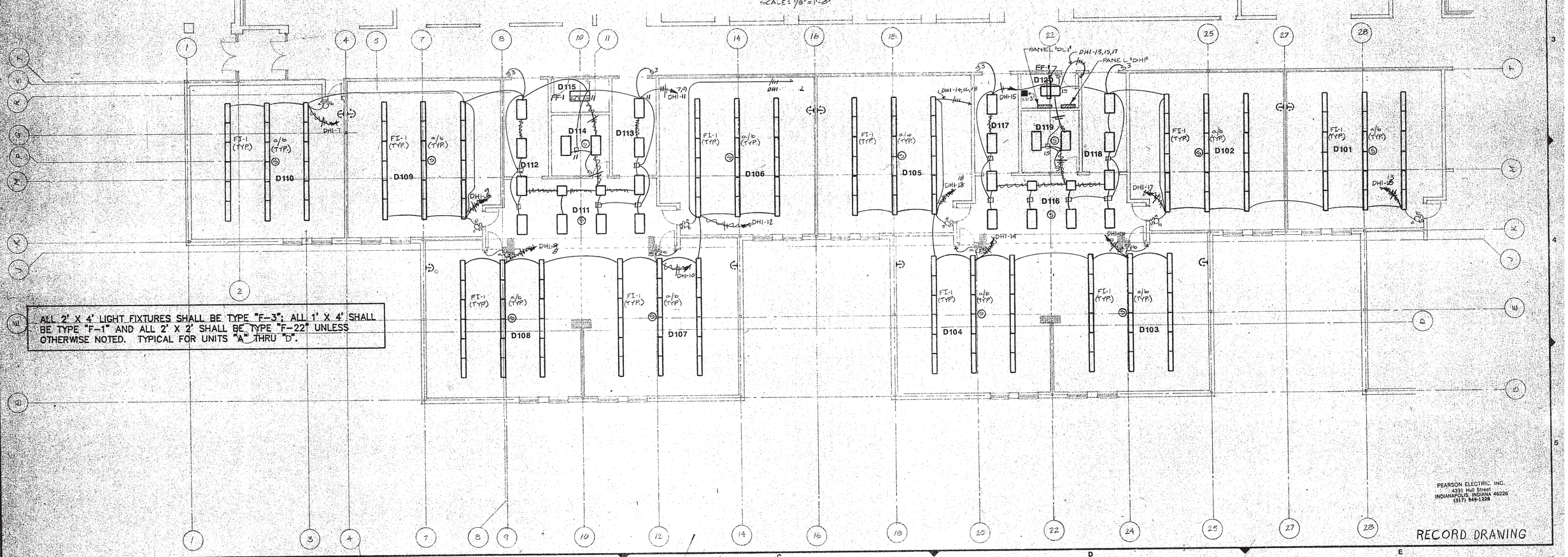
ROOM NO.	ROOM NAME	CEILING HEIGHT	AREA SQ. FT.
D101	CLASSROOM	9'-6"	978
D102	CLASSROOM	9'-6"	978
D103	CLASSROOM	9'-6"	975
D104	CLASSROOM	9'-6"	975
D105	CLASSROOM	9'-6"	978
D106	CLASSROOM	9'-6"	976
D107	CLASSROOM	9'-6"	975
D108	CLASSROOM	9'-6"	975
D109	CLASSROOM	9'-6"	978
D110	CLASSROOM	9'-6"	978
D111	COMMONS	9'-6"	498
D112	WRAPS	9'-6"	189
D113	WRAPS	9'-6"	189
D114	AIDES	9'-6"	144
D115	CUSTODIAN	9'-6"	84
D116	COMMONS	9'-6"	498
D117	WRAPS	9'-6"	189
D118	WRAPS	9'-6"	189
D119	AIDES	9'-6"	144
D120	ELECTRICAL	9'-6"	84
C201	MEDIA MEZZANINE	----	490

PLAN NOTES:

(1) G.C. TO CONDUIT CONCEALED ABOVE WOODEN CEILING, BELOW ROOFING, THIS ROOM.

MEDIA MEZZANINE LIGHTING PLAN

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



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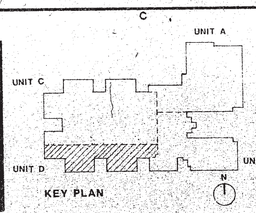
RECORD DRAWING

CHARLES E. PARROTT REGISTERED No. 1757 STATE OF INDIANA ARCHITECT

CARMEL CLAY ELEMENTARY SCHOOL

CARMEL INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

LIGHTING PLAN UNIT "D"

DRAWN BY: MMS COMM. NO.: 8703.00
CHECKED BY: JHG DATE: 12/15/87

REVISIONS NO. DATE

E6

CARMEL CLAY ELEMENTARY SCHOOL

A D D E N D U M N O. 2

Cherry Tree Elementary School Additions and Renovations

Carmel Clay Schools
Carmel, Indiana

Project No. 222011.00

Index of Contents

Addendum No. 2, 14 items, 3 pages
New Project Manual Section: 32 31 13 – Chain Link Fences and Gates
Revised Project Manual Section: 10 14 19 – Dimensional Letter Signage
Revised Drawing Sheets: GD1.1, G1.1, G4.1, SU1.1, SU1.2, S1.04, S1.05, S3.03, AD0.01, AD0.02, AD0.03, A0.01, A1.06, A5.02, A5.07, A5.08, K5.00, K5.01, K5.02, E2.01, and E8.01

March 4, 2024

I hereby certify that this Addendum was prepared by me or under my direct supervision and that I am a duly registered Architect/Engineer under the Laws of the State of Indiana.

FANNING/HOWEY ASSOCIATES, INC.
ARCHITECTS/ENGINEERS/CONSULTANTS

Paul A. Miller, License No. AR10800161
Expiration Date: 12/31/2025

TO: ALL BIDDERS OF RECORD

ADDENDUM NO. 2 to Drawings and Project Manual, dated February 9, 2024, for the Cherry Tree Elementary School Additions and Renovations for Carmel Clay Schools, 5201 E. 131st St., Carmel, Indiana 46033; as prepared by Fanning/Howey Associates, Inc., Indianapolis, Indiana.
This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified in this Addendum.

Each bidder shall acknowledge receipt of this Addendum in his proposal or bid.

NOTE: Bidders are responsible for becoming familiar with every item of this Addendum. (This includes miscellaneous items at the very end of this Addendum.)

RE: ALL BIDDERS

ITEM NO. 1. PROJECT MANUAL, TABLE OF CONTENTS

A. Book 3, DIVISION 32: Add Section 32 31 13 – Chain Link Fences and Gates.

ITEM NO. 2. NEW PROJECT MANUAL SECTION

A. New Project Manual Section 32 31 13 – Chain Link Fences and Gates is included with and hereby made a part of this Addendum.

ITEM NO. 3. REVISED PROJECT MANUAL SECTION

A. 10 14 19 – Dimensional Letter Signage has been revised, dated 3/4/24, and is included with and hereby made a part of this Addendum.

ITEM NO. 4. PROJECT MANUAL, SECTION 05 50 00 – METAL FABRICATIONS

A. Article 2.12: Change “EXTERIOR” to “INTERIOR” at end of article title.

B. Add 2.12, B., 1., a., as follows:

“a. Field verify platform dimension, extend to face of wall/door.”

ITEM NO. 5. PROJECT MANUAL, SECTION 07 24 23 – DIRECT APPLIED EXTERIOR FINISH SYSTEM

A. Replace 2.1, A., 3., as follows:

“3. Sika Facades.”

ITEM NO. 6. PROJECT MANUAL, SECTION 09 21 16 – GYPSUM BOARD ASSEMBLIES

A. Delete 2.9, H., in its entirety.

B. Delete 3.10, D., in its entirety.

C. Replace 3.11, B., 6., c., as follows:

"c. Provide Level 5 finish on existing gypsum board walls where vinyl wall covering and tackable wall surface panels were removed and new finish is scheduled to be paint. Refer to Drawings for additional information."

ITEM NO. 7. PROJECT MANUAL, SECTION 09 54 23 – LINEAR METAL CEILINGS

A. Article 2.3, E: Change "6-inch" to "4-inch" within paragraph.

ITEM NO. 8. PROJECT MANUAL, SECTION 09 72 00 – WALL COVERINGS

A. Article 3.2., B., 1: Delete "vinyl-coated fabric" before "wall covering" in two locations within paragraph.

ITEM NO. 9. PROJECT MANUAL, SECTION 09 96 00 – HIGH PERFORMANCE COATINGS

A. Add 3.10, E., as follows:

"E. Concrete Substrates, Vertical Surfaces:
1. Water-Based Epoxy Coating System: (Code #3.113).
a. Prime Coat: Water-based epoxy (interior and exterior).
1) Sherwin Williams; Loxon Concrete & Masonry Primer
2) PPG; 4-603xi Alkali Resistant Primer
3) Benjamin Moore; Masonry Int/Ext 100% Acrylic Sealer 608
b. Intermediate Coat: Water-based epoxy (interior and exterior).
c. Topcoat: Water-based epoxy, semi-gloss (interior and exterior).
1) Sherwin Williams; Pro Industrial Pre-Catalyzed Epoxy
2) PPG; 16-510 Pitt-Glaze WB1 Pre-Catalyzed Epoxy
3) Benjamin Moore: Corotech Pre-Catalyzed Waterborne Epoxy – Eggshell V342 – Semi-Gloss V341
d. Application includes, but is not limited to:
1) High traffic areas where a better degree of resistance to abrasion, chemicals, and solvents is required.

ITEM NO. 10. PROJECT MANUAL, SECTION 10 21 23 - CUBICLES

A. Replace 2.4, B., as follows:

"B. Fabric Designs: Refer to List of Finishes."

Note: Subparagraphs 1 – 8 are also to be deleted.

ITEM NO. 11. PROJECT MANUAL, SECTION 28 23 00 – IP VIDEO SURVEILLANCE

A. Add 2.3.G as follows:

G. Transfer the current CTE license over to new server provided in this contract.

B. Replace 2.4.B.1 – 8 as follows:

1. HPE DL380 Gen10
2. 32GB RAM
3. 1x – Xeon 4210R CPU
4. 8x 2.4TB drives – 13TB of usable storage in Raid 6
5. 2x Power Supplies

C. Delete paragraphs 2.4.C and 2.4.D.

D. Replace 2.4.F as follows:

"F. Approved manufacturer:
1. HPE DL380 Gen10 as described in 2.4.B or Gen 11 if available.
a. No approved equals"

ITEM NO. 12. PROJECT MANUAL, SECTION 28 31 11 – ADDRESSABLE FIRE ALARM SYSTEM

A. Section 2.9, B.,1.,c.: Delete in its entirety.

ITEM NO. 13. REVISED DRAWING SHEETS

A. Drawing Sheets: GD1.1, G1.1, G4.1, SU1.1, SU1.2, S1.04, S1.05, S3.03, AD0.01, AD0.02, AD0.03, A0.01, A1.06, A5.02, A5.07, A5.08, K5.00, K5.01, K5.02, E2.01, and E8.01 have been revised, dated 3/4/24, and is included with and hereby made a part of this Addendum. These Drawings supersede the original documents.

ITEM NO. 14. DRAWING SHEETS A9.01 – A9.05

A. Reflected Ceiling Plan Legend: Delete "Note A." in its entirety.

END OF ADDENDUM

SECTION 10 14 19 - DIMENSIONAL LETTER SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Cast dimensional characters.
   2. Molded-plastic dimensional characters.

1.2 COORDINATION

A. Furnish templates for placement of electrical service embedded in permanent construction by other installers.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For dimensional letter signs.
   1. Include fabrication and installation details and attachments to other work.
   2. Show sign mounting heights, locations of supplementary supports to be provided by others, and accessories.
   3. Show message list, typestyles, graphic elements, and layout for each sign at least half size.
   4. Show locations of electrical service connections.
   5. Include diagrams for power, signal, and control wiring.

C. Samples for Initial Selection: For each type of sign assembly, exposed component, and exposed finish.
   1. Include representative Samples of available typestyles and graphic symbols.

1.4 CLOSEOUT SUBMITTALS

A. General: Closeout Submittals are to be submitted with O and M Manuals only. Do not submit with other ACTION and INFORMATIONAL Submittals:
   1. Maintenance Data: For signs to include in maintenance manuals.
   2. Warranty: For special warranty.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.6 FIELD CONDITIONS

A. Field Measurements: Verify locations of electrical service embedded in permanent construction by other installers by field measurements before fabrication, and indicate measurements on Shop Drawings.

1.7 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
   a. Deterioration of finishes beyond normal weathering.
   b. Separation or delamination of sheet materials and components.
2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Manufacturers: Subject to compliance with requirements, provide signage by one of the manufacturers specified herein.

B. Products of other manufacturers will be considered for acceptance provided they equal or exceed the material requirements and functional qualities of the specified product. The "Substitution Request Form" Sample sign, and complete technical data for evaluation must accompany requests for A/E's approval. All materials for evaluation must be received by the Project Manager and Specification Department at least 10 days prior to bid due date. Additional approved manufacturers will be issued by Addendum.

2.2 PERFORMANCE REQUIREMENTS

A. Thermal Movements: For exterior, allow for thermal movements from ambient and surface temperature changes.
1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

2.3 DIMENSIONAL CHARACTERS

A. Cast Characters: Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows:
1. Manufacturers: Subject to compliance with requirements, provide signage by one of the manufacturers specified.
a. A.R.K. Ramos
b. ASI – Sign Systems, Inc.
c. Metal Arts; Div. of L & H Mfg.
d. Metallic Arts
e. Southwell Co.
f. Gemini Incorp.
g. ACE Sign Systems
h. Mathews International
i. Interior Graphic Systems
j. Ellet Sign Company
k. Cosco
l. Essential Architectural Signs
m. ISF Signs (Indianapolis)
2. Character Material: Cast aluminum.
3. Character Height: As indicated on Drawings.
4. Thickness: Manufacturer's standard for size of character.
5. Finishes:
a. Powder-Coat Finish: Manufacturer's standard, in color as selected by A/E from manufacturer's full range.
6. Mounting: Concealed studs.
7. Typeface: As indicated on Drawings.

B. Molded-Plastic Characters: Injection molded or thermoformed characters having uniform faces and profiles, and as follows:
1. Interior locations.

2. Manufacturers: Subject to compliance with requirements, provide signage by one of the manufacturers specified.
    a. ASI – Sign Systems, Inc.
    b. Metallic Arts
    c. Gemini Incorp.
    d. ACE Sign Systems
    e. Interior Graphic Systems
    f. Ellet Sign Company
    g. Cosco
    h. Signs and Decal Corp.
    i. Essential Architectural Signs
    j. ISF Signs (Indianapolis)
3. Color: Manufacturer's standard integral color process, in color as selected by A/E from manufacturer's full range.
4. Typeface: As indicated on Drawings.
5. Depth: Manufacturer's standard based on overall height of character.

2.4 DIMENSIONAL CHARACTER MATERIALS

A. Aluminum Castings: ASTM B 26, alloy and temper recommended by sign manufacturer for casting process used and for type of use and finish indicated.

B. Aluminum Extrusions: ASTM B 221, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.

C. Acrylic Sheet: ASTM D 4802, category as standard with manufacturer for each sign, Type UVF (UV filtering).

2.5 ACCESSORIES

A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signage, noncorrosive and compatible with each material joined, and complying with the following:
1. Use concealed fasteners and anchors unless indicated to be exposed.
2. For exterior exposure, furnish stainless-steel devices unless otherwise indicated.
3. Sign Mounting Fasteners:
    a. Concealed Studs: Concealed (blind), threaded studs welded or brazed to back of sign material, screwed into back of sign assembly, or screwed into tapped lugs cast integrally into back of cast sign material, unless otherwise indicated.

B. Adhesive: As recommended by sign manufacturer. Do not use double faced tape without adhesive.

C. Two-Face Tape: Manufacturer's standard high-bond, foam-core tape, 0.045 inch thick, with adhesive on both sides.

D. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.

2.6 FABRICATION

A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
1. Preassemble signs and assemblies in the shop to greatest extent possible. Disassemble signs and assemblies only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation; apply markings in locations concealed from view after final assembly.
2. Mill joints to a tight, hairline fit. Form assemblies and joints exposed to weather to resist water penetration and retention.

3. Comply with AWS for recommended practices in welding and brazing. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.

4. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.
5. Internally brace signs for stability and for securing fasteners.
6. Provide rebates, lugs, and brackets necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.

7. Castings: Fabricate castings free of warp, cracks, blowholes, pits, scale, sand holes, and other defects that impair appearance or strength. Grind, wire brush, sandblast, and buff castings to remove seams, gate marks, casting flash, and other casting marks before finishing.

2.7 GENERAL FINISH REQUIREMENTS

A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

C. Directional Finishes: Run grain with long dimension of each piece and perpendicular to long dimension of finished trim or border surface unless otherwise indicated.

D. Organic, Anodic, and Chemically Produced Finishes: Apply to formed metal after fabrication but before applying contrasting polished finishes on raised features unless otherwise indicated.

2.8 ALUMINUM FINISHES

A. Baked-Enamel or Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of signage work.

B. Verify that sign-support surfaces are within tolerances to accommodate signs without gaps or irregularities between backs of signs and support surfaces unless otherwise indicated.

C. Verify that electrical service is correctly sized and located to accommodate signs.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
   1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.

2. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
3. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.

B. Mounting Methods:
1. Concealed Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place sign in position and push until flush to surface, embedding studs in holes. Temporarily support sign in position until adhesive fully sets.
b. Thin or Hollow Surfaces: Place sign in position and flush to surface, install washers and nuts on studs projecting through opposite side of surface, and tighten.
2. Adhesive: Clean bond-breaking materials from substrate surface and remove loose debris. Apply linear beads or spots of adhesive symmetrically to back of sign and of suitable quantity to support weight of sign after cure without slippage. Keep adhesive away from edges to prevent adhesive extrusion as sign is applied and to prevent visibility of cured adhesive at sign edges. Place sign in position, and push to engage adhesive. Temporarily support sign in position until adhesive fully sets.
a. Use double-sided tape only when recommended by manufacturer only to hold character in place until adhesive has fully cured.
1) Two-Face Tape: Clean bond-breaking materials from substrate surface and remove loose debris. Apply tape strips symmetrically to back of sign and of suitable quantity to support weight of sign without shippage. Keep strips away from edges to prevent visibility at sign edges. Place sign in position, and push to engage tape adhesives.

3.3 ADJUSTING AND CLEANING

A. Remove and replace damaged or deformed characters and signs that do not comply with specified requirements. Replace characters with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.

B. Remove temporary protective coverings and strippable films as signs are installed.

C. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

END OF SECTION 10 14 19

SECTION 32 31 13 – CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Chain-link fences
2. Swing gates

B. Related Requirements

1. Section 03 30 00 – Cast-in-Place Concrete

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Fence and gate posts, rails, and fittings.
2. Chain-link fabric, reinforcements, and attachments.
3. Gates and hardware.

B. Shop Drawings: For each type of fence and gate assembly.

1. Include plans, elevations, sections, details, and attachments to other work.
2. Include accessories, hardware, gate operation, and operational clearances.

C. Samples: For each polymer-coated product and for each color and texture specified, in 6-inch lengths for components and on full-sized units for accessories.

1.4 INFORMATIONAL SUBMITTALS

A. Product Certificates: For each type of chain-link fence and gate, from manufacturer.

B. Product Test Reports: For framing strength according to ASTM F 1043.

C. Sample of special warranty.

1.5 CLOSEOUT SUBMITTALS

A. Operation and maintenance data.

1.6 WARRANTY

A. Special Warranty: Manufacturer's standard form in which Installer agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, deterioration of metals, metal finishes, and other materials beyond normal weathering.

2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CHAIN-LINK FENCE FABRIC

A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist. Comply with manufacturers Product Manual and with requirements indicated below:

1. Fabric Height: As indicated on Drawings.

2. Steel Wire Fabric: Wire with a diameter of 0.148 inch.

a. Mesh Size: 2 inches.

b. Zinc-Coated Fabric: ASTM A 392, Type II, Class 2, 2.0 oz./sq. ft. with zinc coating applied before weaving.

c. Polymer-Coated Fabric: ASTM F 668, Class 2a over zinc-coated steel wire.

1) Color: As selected by Architect from manufacturer's full range, complying with ASTM F 934.

2) Location: As indicated on the drawings.

3. Selvage: Knuckled at both selvages.

2.2 FENCE FRAMING

A. Posts and Rails: Comply with ASTM F 1043 for framing, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F 1043 or ASTM F 1083 based on the following:

1. Fence Height: As indicated on Drawings.

2. Light Industrial Strength: Material Group IC-L, round steel pipe, electric-resistance-welded pipe.

a. Line Post: 2.375 inches in diameter.

b. End, Corner and Pull Post: 2.875 inches.

c. Location: As indicated on drawings.

3. Heavy Industrial Strength: Material Group IA, round steel pipe, Schedule 40.

a. Line Post: 2.375 inches in diameter.

b. End, Corner and Pull Post: 2.875 inches in diameter.

4. Horizontal Framework Members: Top and bottom rails complying with ASTM F 1043.

5. Brace Rails: Comply with ASTM F 1043.

6. Gate Posts: Furnish posts for supporting single gate leaf, or one leaf of a double gate installation, for nominal gate widths as follows:

Leaf Width	Gate Post	Lbs./lin. ft.
Up to 6'	2.875” OD pipe	5.79
Over 6' to 12'	4.000" OD pipe	9.11
Over 12' to 18'	6.625" OD pipe	18.97
Over 18'	8.625" OD pipe	28.58

7. Metallic Coating for Steel Framing:

a. Type A zinc coating, Not less than minimum 2.0-oz./sq. ft. average zinc coating according to ASTM A 123/A 123M

b. Type B zinc with organic overcoat, consisting of a minimum of 0.9 oz./sq. ft zinc after welding, a chromate conversion coating, and a clear, verifiable polymer film.

c. External, Type B zinc with organic overcoat and internal, Type D zinc-pigmented coating, , consisting of a minimum of 0.9 oz./sq. ft. of zinc after welding, a chromate conversion coating, and a clear, verifiable polymer film

d. Type C, Zn-5-Al-MM alloy coating, consisting of not less than 1.8-oz./sq. ft. coating.

e. Coatings: Any coating above.

f. Finish to match fence fabric

8. Polymer coating over metallic coating.

a. Color: Match chain-link fabric.

2.3 TENSION WIRE

A. Metallic-Coated Steel Wire: 0.177-inch-diameter, marcelled tension wire according to ASTM A 817 or ASTM A 824, with the following metallic coating:

1. Type I: Aluminum coated (aluminized).

2. Type II: Zinc coated (galvanized) by hot-dip process, with the following minimum coating weight:

   a. Class 3: Not less than 0.8 oz./sq. ft. of uncoated wire surface.

   b. Class 4: Not less than 1.2 oz./sq. ft. of uncoated wire surface.

   c. Class 5: Not less than 2 oz./sq. ft. of uncoated wire surface.

   d. Matching chain-link fabric coating weight.

3. Type III: Zn-5-Al-MM alloy with the following minimum coating weight:

   a. Class 60: Not less than 0.6 oz./sq. ft. of uncoated wire surface.

   b. Class 100: Not less than 1 oz./sq. ft. of uncoated wire surface.

   c. Matching chain-link fabric coating weight.

B. Polymer-Coated Steel Wire: 0.148-inch- diameter, tension wire according to ASTM F 1664, Class 2a over zinc-coated steel wire.

1. Color: As selected by Architect from manufacturer's full range, complying with ASTM F 934.

2.4 SWING GATES

A. General: Comply with ASTM F 900 for gate posts and single and double swing gate types.

1. Gate Leaf Width: As indicated.

2. Gate Fabric Height: As indicated.

B. Pipe and Tubing:

1. Zinc-Coated Steel: Comply with ASTM F 1043 and ASTM F 1083; protective coating and finish to match fence framing.

2. Gate Posts: Round tubular steel.

3. Gate Frames and Bracing: Round tubular steel.

C. Frame Corner Construction: Welded.

D. Hardware:

1. Hinges: 180-degree outward swing.

2. Latches permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.

3. Stops: Center stops for double gates shall consist of a devised arranged to be set in concrete and to engage the plunger bar of the latch. Stop is to be a mushroom type or flush plate with anchors.

2.5 GROUT AND ANCHORING CEMENT

A. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.

B. Erosion-Resistant Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with potable water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended in writing by manufacturer, for exterior applications.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.

1. Do not begin installation before final grading is completed unless otherwise permitted by Architect.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

C. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

D. Install chain-link fencing to comply with ASTM F 567 and more stringent requirements indicated.

E. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.

F. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.

1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.

2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.

a. Concealed Concrete: Top 2 inches below grade to allow covering with surface material.

b. Interior Posts Set into Concrete in Sleeves: Use steel pipe sleeves preset and anchored into concrete for installing posts. After posts have been inserted into sleeves, fill annular space between post and sleeve with nonshrink, nonmetallic grout, mixed and placed to comply with anchoring material per manufacturer's written instructions, and sloped finish to drain water away from post.

G. Terminal Posts: Locate terminal end, corner, and gate posts per ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment of 15 degrees or more.

H. Line Posts: Space line posts uniformly at 96 inches o.c.

I. Chain-Link Fabric: Apply fabric to outside of enclosing framework. Leave 1 inch between finish grade or surface and bottom selvage unless otherwise indicated.

J. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

K. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

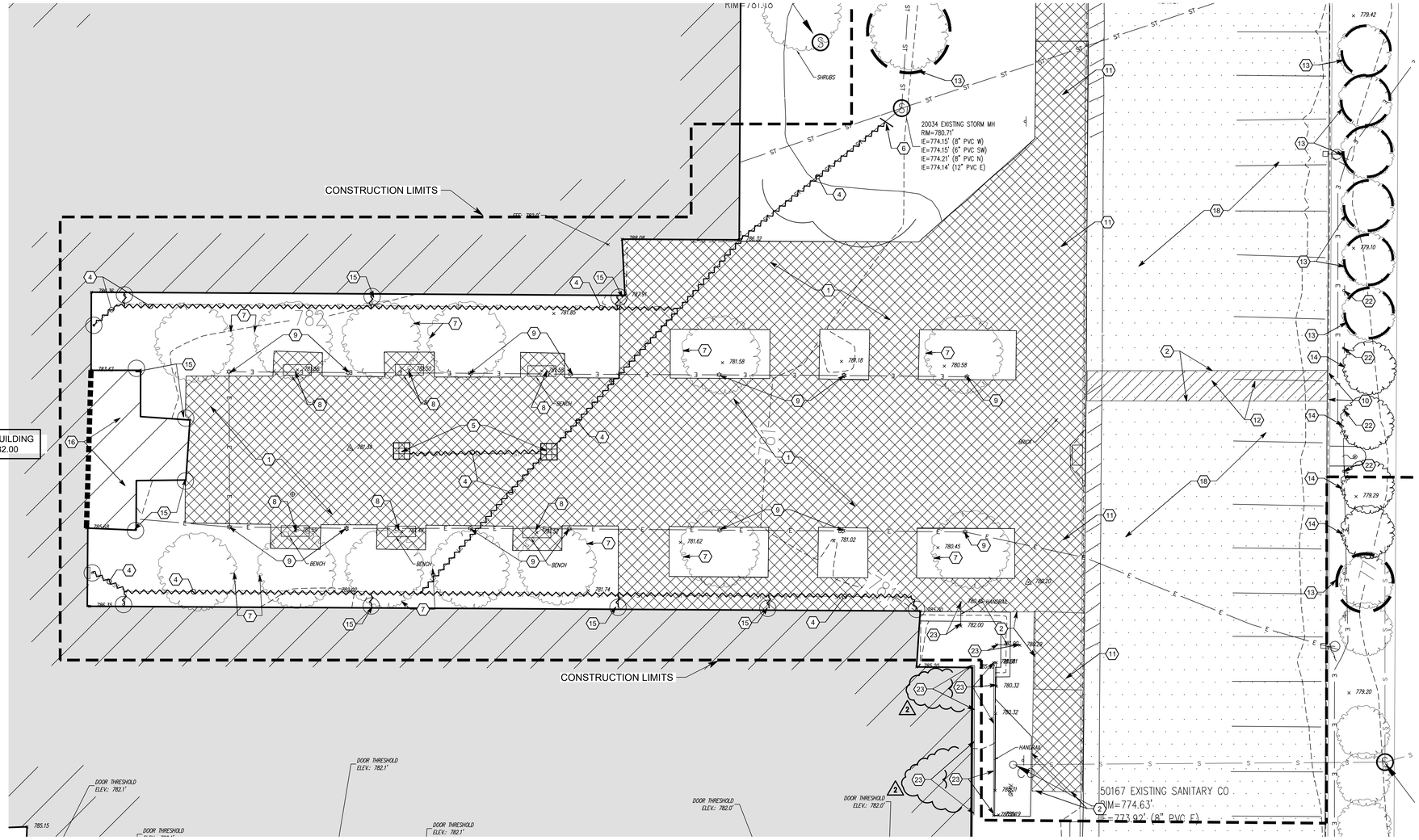
L. Install baseball/softball backstop in strict accordance with manufacturer's recommendations and as indicated.

M. Install traffic control gates in strict accordance with manufacturer's recommendations and as indicated.

N. Install mechanical/electrical yard gates and pedestrian in strict accordance with manufacturer's recommendations and as indicated.

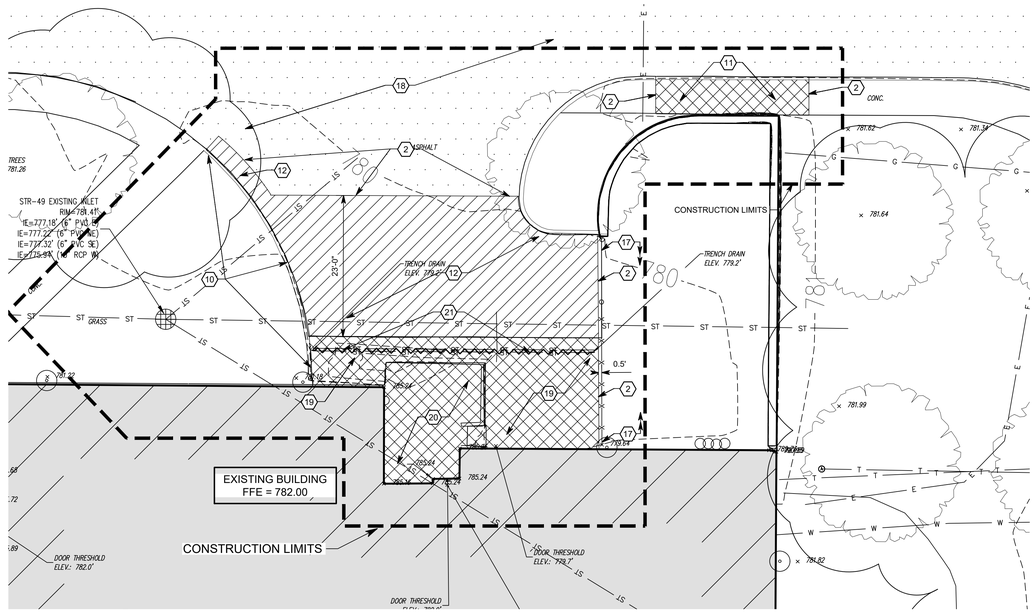
O. Install privacy slats accordance with manufacturer's recommendations and as indicated.

END OF SECTION 32 31 13



FRONT ENTRANCE ENLARGED PLAN - AREA "A"

1" = 10'



DOCK ENLARGED PLAN - AREA "B"

1" = 10'

GENERAL NOTES

1. SEE DRAWING G0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY SCHNEIDER GEOMATICS DATED 09/05/2023. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. SEE SHEET GD1.0 FOR ADDITIONAL SITE DEMOLITION INFORMATION.
5. THE PROPOSED STORM SEWER SYSTEM FOR THIS PROJECT WILL BE PRIVATE OWNED.
6. FLOOD ROUTING PATH FROM BUILDING ADDITION AND PARKING LOT WHEN 100 YEAR FLOOD IS EXCEEDED. PATH TRAVELS IN A EASTERLY DIRECTION TO EXISTING INLETS LOCATED ON THE WEST SIDE OF HAZEL DELL PARKWAY. THESE INLETS FLOW TO FREEMONT RANDALL DRAIN (VEST - KIRKENDALL DRAINAGE AREA) ULTIMATELY DISCHARGING TO THE WHITE RIVER.
7. NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.
8. UTILITY RELOCATIONS REQUIRED BY THE PROJECT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. UTILITY LINE RELOCATIONS REQUIRED FOR ROAD PROJECTS THAT RESULT IN A CONFLICT WITH PROPOSED DEVELOPMENT SHALL BE THE DEVELOPERS RESPONSIBILITY TO RESOLVE WITH THE UTILITY. EXISTING POLE LINES REQUIRED TO BE RELOCATED TO WITHIN ONE FOOT OF PROPOSED RIGHT-OF-WAY LINE.
9. DAMAGE TO THE EXISTING RIGHT-OF-WAY SHALL RESTORED/REPAIRED TO THE SATISFACTION OF THE CITY AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS ENCOURAGED TO INSPECT THE RIGHT-OF-WAY WITH THE CITY PRIOR TO THE START OF CONSTRUCTION TO DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY.
10. ALL EXISTING PERIMETER ROAD DRAINAGE STRUCTURES AND BRIDGES ACROSS THE FRONTAGE OF THIS DEVELOPMENT ARE INDICATED ON THE PLANS. PROVISIONS HAVE BEEN MADE TO IMPROVE OR REPLACE ANY DRAINAGE STRUCTURES AND BRIDGES AS NECESSARY OR AS REQUEST BY THE CITY OT ACCOMMODATE THE PAVEMENT WIDENING, AUXILIARY LANES, MULTI-USE PATH, AND ANY OTHER REQUIRED IMPROVEMENTS TO THE PROPERTY OR THE ROADWAY. THE COST TO IMPROVE OR REPLACE ANY DRAIANGE STRUCTURES AND BRIDGES WILL BE BORNE BY THE DEVELOPER.
11. ALL PAVING WITHIN THE EXISTING AND PROPOSED CITY RIGHT -OF-WAY SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF ENGINEERING. THE CONTRACTOR SHALL CONTACT THE DEPARTMENT OF ENGINEERING TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW THE DEPARTMENT'S CONSTRUCTION REQUIREMENTS, STAFF NOTIFICATION REQUIREMENTS, REQUIRED INSPECTIONS FOR CERTAIN STAGES OF THE WORK AND TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY.

DEMOLITION KEYNOTES

1. REMOVE CONCRETE SIDEWALK
2. SAWCUT EXISTING PAVEMENT
4. REMOVE 6" DIA. STORM SEWER LINES
5. REMOVE EXISTING STORM INLET AREA DRAINS
6. CAP EXISTING STORM LINES
7. REMOVE PLANTINGS
8. REMOVE AND SALVAGE BENCHES AND TRASH CANS FOR LATER REUSE
9. REMOVE LIGHT BOLLARDS AND FOUNDATIONS
10. REMOVE EXISTING CONCRETE CURB
11. REMOVE MONOLITHIC CURB AND SIDEWALK
12. REMOVE ASPHALT PAVEMENT
13. PROTECT EXISTING TREE TO REMAIN
14. REMOVE EXISTING TREE AS REQUIRED TO INSTALL STORM PIPING
15. REMOVE DOWNSPOUT BOOT AND ASSOCIATED PIPING, REFER TO SITE UTILITY PLAN
16. REMOVE BUILDING AND FOUNDATIONS, SEE ARCHITECTURAL/STRUCTURAL PLANS
17. REMOVE EXISTING CHAINLINK FENCE AND GATE
18. MILL ASPHALT SURFACE, SEE G1.0 OVERALL SITE PLAN FOR EXTENTS OF MILLING
19. REMOVE CONCRETE PAVEMENT
20. REMOVE CONCRETE DOCK AND STEPS, SEE ARCHITECTURAL/STRUCTURAL PLANS FOR ADDITIONAL INFORMATION
21. REMOVE TRENCHDRAIN
22. RELOCATE ADA SIGN TO LOCATION SHOWN ON SITE LAYOUT PLAN
23. REMOVE HANDRAIL

DEMOLITION LEGEND

- EXISTING BUILDING
- APPROXIMATE LIMITS OF CONCRETE REMOVAL
- APPROXIMATE LIMITS OF ASPHALT PAVEMENT REMOVAL
- APPROXIMATE LIMITS OF ASPHALT MILLING
- APPROXIMATE LIMITS OF UTILITY LINE REMOVAL
- TREE PROTECTION REQUIRED
- CONSTRUCTION LIMITS

*** SEE TOPOGRAPHIC SURVEY FOR ADDITIONAL LEGEND SYMBOLS.

NORTH

10 0 10 20 40

CHERRY TREE ELEMENTARY SCHOOL ADDITION AND RENOVATION

13989 HAZEL DELL PARKWAY
CARMEL, IN 46033

CARMEL CLAY SCHOOLS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM
350 E NEW YORK ST# 300, INDIANAPOLIS, IN 46204

CONSULTANT

TLF

317-334-1500 TLF-ENGINEERS.COM
3901 WEST 86TH STREET, ST# 200, INDIANAPOLIS, IN 46268

ADDENDUM #2

PETAR LOMIR RANKOVIC
REGISTERED
No.
19700317
STATE OF
INDIANA
PROFESSIONAL ENGINEER

DRAWN BY: ARS

PROJECT NUMBER: 222011.00

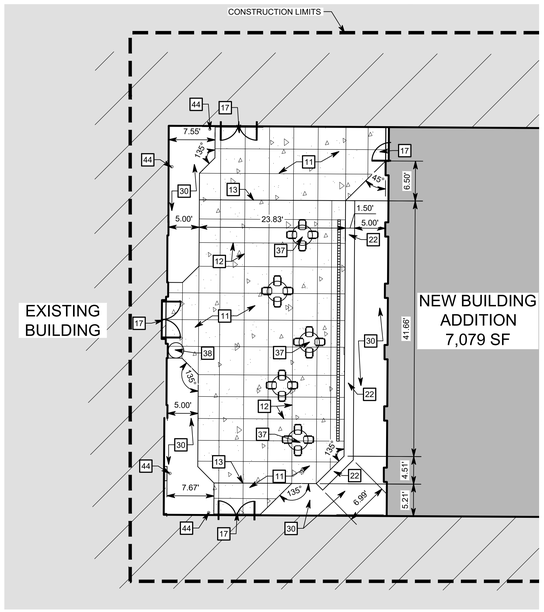
PROJECT ISSUE DATE: 2.23.2024

REV. NO△	DESCRIPTION	DATE
1	TAC REVIEW	12-15-2023
2	ADDENDUM #2	3-4-2024

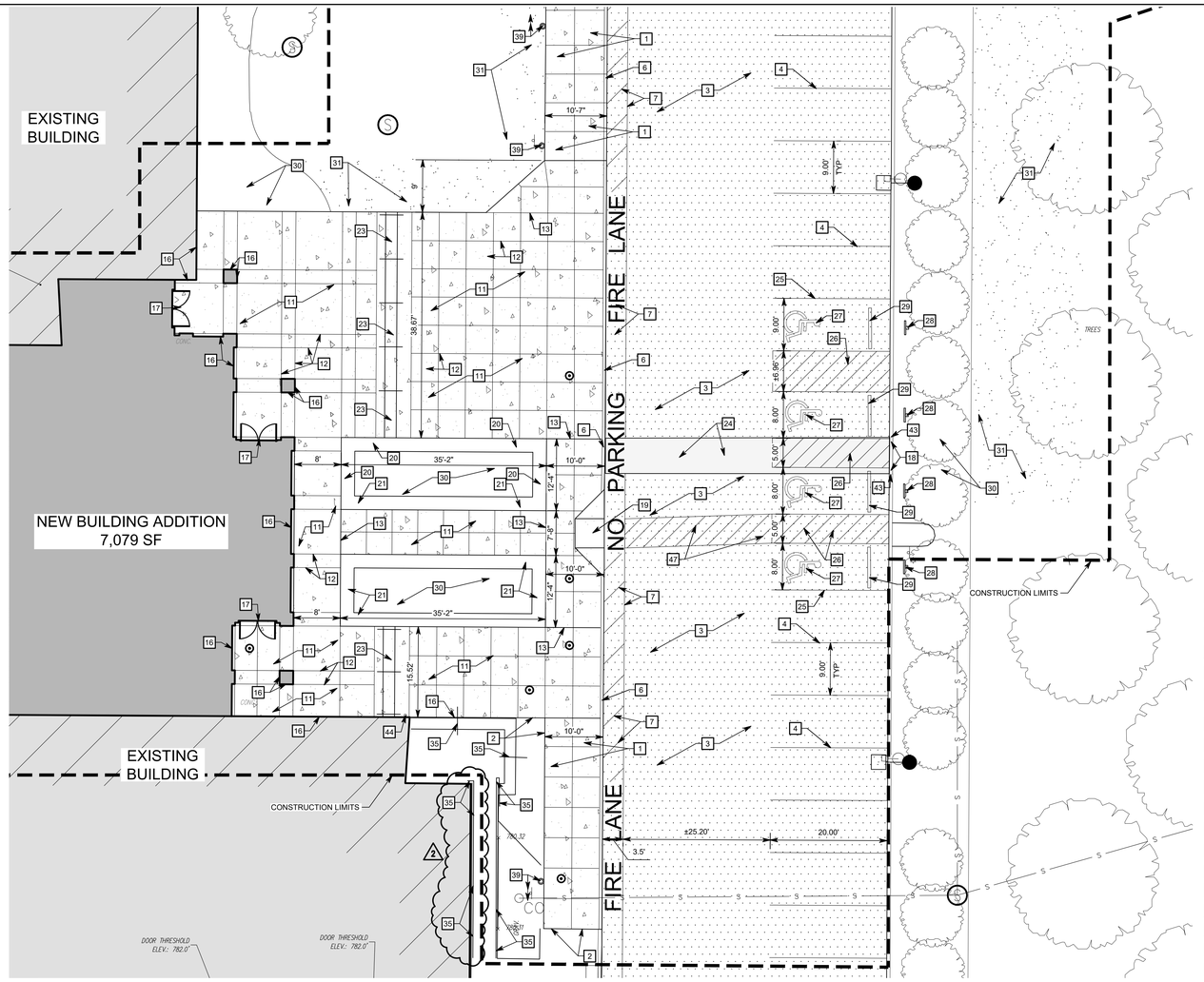
DEMOLITION PLAN

GD1.1

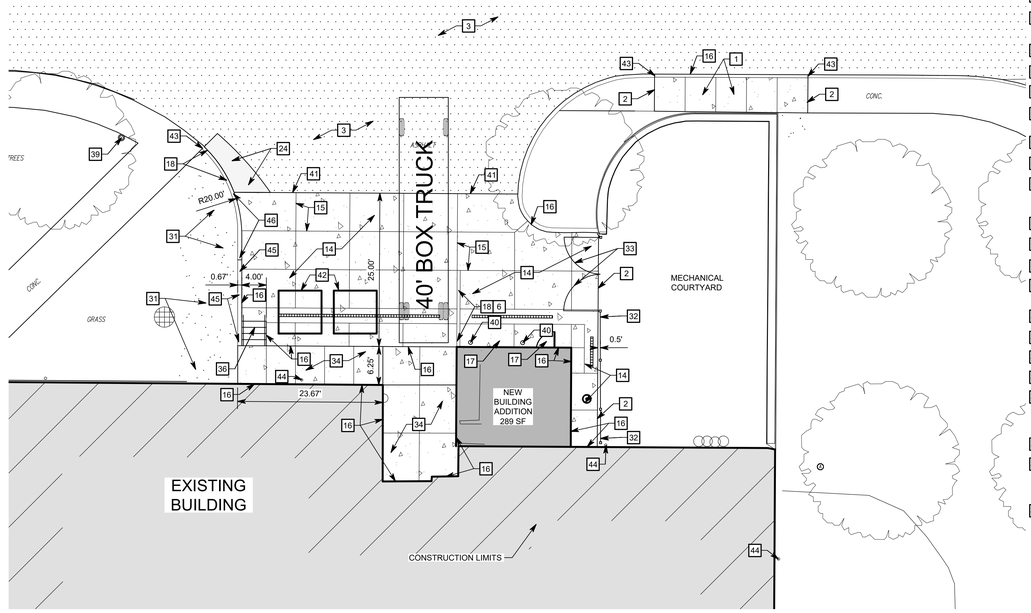
Drawing Path: P:\2023\100\140\CAD\Civil\Active\2_2023-140_GD1.1_Demolition Plan.dwg
Plotted By: adheiter Time of Plot: 3/4/24 - 12:05pm Last Edited: 3/4/24 - 12:05pm



COURTYARD ENLARGED PLAN - AREA "C"
1" = 10'



FRONT ENTRANCE ENLARGED PLAN - AREA "A"
1" = 10'



DOCK ENLARGED PLAN - AREA "B"
1" = 10'

PROPOSED SITE LEGEND

- EXISTING BUILDING
- BUILDING ADDITION
- CONCRETE SIDEWALK/PAVEMENT
- ASPHALT PAVEMENT
- 1 1/2" ASPHALT SURFACE OVERLAY
- LAWN
- CONSTRUCTION LIMITS

NORTH

10 0 10 20 40

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Call 48 hours or 2 working days before you dig.
It's Fast, It's Easy and It's the Law in the state of Indiana!

CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

GENERAL NOTES

1. SEE DRAWING G0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY SCHNEIDER GEOMATICS DATED 09/05/2023. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.\
4. THE PROPOSED STORM SEWER SYSTEM FOR THIS PROJECT WILL BE PRIVATE OWNED.
5. FLOOD ROUTING PATH FROM BUILDING ADDITION AND PARKING LOT WHEN 100 YEAR FLOOD IS EXCEEDED. PATH TRAVELS IN A EASTERLY DIRECTION TO EXISTING INLETS LOCATED ON THE WEST SIDE OF HAZEL DELL PARKWAY. THESE INLETS FLOW TO FREEMONT RANDALL DRAIN (WEST - KIRKENDALL DRAINAGE AREA) ULTIMATELY DISCHARGING TO THE WHITE RIVER.
6. NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.
7. UTILITY RELOCATIONS REQUIRED BY THE PROJECT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. UTILITY LINE RELOCATIONS REQUIRED FOR ROAD PROJECTS THAT RESULT IN A CONFLICT WITH PROPOSED DEVELOPMENT SHALL BE THE DEVELOPERS RESPONSIBILITY TO RESOLVE WITH THE UTILITY. EXISTING POLE LINES REQUIRED TO BE RELOCATED TO WITHIN ONE FOOT OF PROPOSED RIGHT-OF-WAY LINE.
7. DAMAGE TO THE EXISTING RIGHT-OF-WAY SHALL RESTORED/REPAIRED TO THE SATISFACTION OF THE CITY AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS ENCOURAGED TO INSPECT THE RIGHT-OF-WAY WITH THE CITY PRIOR TO THE START OF CONSTRUCTION TO DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY.
8. REFER TO SHEET E2.01 FOR LIGHT BOLLARD AND LIGHT POLE IMPROVEMENTS.
9. ALL EXISTING PERIMETER ROAD DRAINAGE STRUCTURES AND BRIDGES ACROSS THE FRONTAGE OF THIS DEVELOPMENT ARE INDICATED ON THE PLANS. PROVISIONS HAVE BEEN MADE TO IMPROVE OR REPLACE ANY DRAINAGE STRUCTURES AND BRIDGES AS NECESSARY OR AS REQUEST BY THE CITY OT ACCOMMODATE THE PAVEMENT WIDENING, AUXILIARY LANES, MULTI-USE PATH, AND ANY OTHER REQUIRED IMPROVEMENTS TO THE PROPERTY OR THE ROADWAY. THE COST TO IMPROVE OR REPLACE ANY DRAIANGE STRUCTURES AND BRIDGES WILL BE BORNE BY THE DEVELOPER.
10. ALL PAVING WITHIN THE EXISTING AND PROPOSED CITY RIGHT -OF-WAY SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF ENGINEERING. THE CONTRACTOR SHALL CONTACT THE DEPARTMENT OF ENGINEERING TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW THE DEPARTMENT'S CONSTRUCTION REQUIREMENTS, STAFF NOTIFICATION REQUIREMENTS, REQUIRED INSPECTIONS FOR CERTAIN STAGES OF THE WORK AND TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY.

SITE KEYNOTES

1. CONCRETE MONOLITHIC CURB & WALK - PER DETAIL B/G4.1
2. CONCRETE CONNECTION - PER DETAIL F/G4.1
3. 1 1/2" ASPHALT SURFACE OVERLAY - PER DETAIL F/G4.2
4. 4" WIDE WHITE PAVEMENT MARKING - PER SPECIFICATIONS
6. PAINT CURB YELLOW - PER SPECIFICATIONS
7. 4" WIDE YELLOW PAVEMENT STRIPE AT 3'-0" O.C. AT 45° ANGLE W/ NO PARKING FIRE LANE TEXT - PER DETAIL C/G4.2
11. CONCRETE SIDEWALK - PER DETAIL A/G4.1
12. CONCRETE CONTROL JOINT - SEE DETAIL - PER DETAIL C/G4.1
13. CONCRETE EXPANSION JOINT - SEE DETAIL - PER DETAIL C/G4.1
14. CONCRETE PAVEMENT - PER DETAIL D/G4.1
15. CONCRETE CONTROL JOINT - PER DETAIL E/G4.1
16. ISOLATION JOINT - PER DETAIL L/G4.1
17. CONCRETE STOOP - SEE STRUCTURAL PLANS
18. CONCRETE CURB - PER DETAIL H/G4.1
19. CONCRETE ADA RAMP - PER DETAIL N/G4.1
20. SEATWALL TYPE 3 - PER DETAIL R/G4.1
21. SEATWALL TYPE 1 - PER DETAIL O/G4.1
22. SEATWALL TYPE 2 - PER DETAIL P/G4.1
23. CONCRETE STEPS WITH ALUMINUM LIGHTED HANDRAIL - PER DETAIL Q/G4.1
24. ASPHALT PAVEMENT - PER DETAIL E/G4.2
25. 4" WIDE BLUE PAVEMENT MARKING - PER SPECIFICATIONS
26. 4" WIDE BLUE PAVEMENT STRIPE AT 3'-0" O.C. AT 45° ANGLE - PER DETAIL C/G4.2
27. WHITE ADA LOGO ON BLUE BACKGROUND - PER DETAIL B/G4.2
28. RELOCATED ADA ACCESSIBLE PARKING SIGN, IF ADDITIONAL ADA SIGNS ARE NEEDED MATCH DETAIL A/G4.2
29. PARKING BUMPER - PER DETAIL D/G4.2
30. LANDSCAPE BED - SEE TO LANDSCAPE PLAN
31. SEEDED DISTURBED LAWN - SEE LANDSCAPE PLAN
32. NEW 8' TALL BASTEEL BENNINGTON STYLE FENCE PANELS, APPROXIMATELY 20' LENGTH - FIELD MEASURE
33. TWO 6' SWING GATES BASTEEL INFINITY STYLE 8' TALL
34. CONCRETE DOCK - REFER TO STRUCTURAL PLANS
35. REPLACE EXISTING HANDRAIL WITH NEW LIGHTED HANDRAIL, SEE ARCHITECTURAL & ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION, MATCH EXISTING HANDRAIL PROFILES ON RAMP
36. CONCRETE STEPS WITH ALUMINUM HANDRAIL - PER DETAIL K/G4.2
37. PICNIC TABLE - SEE SPECIFICATION SECTION 129300
38. TRASH RECEPTACLE - SEE SPECIFICATION SECTION 129300
39. SEE SHEET E2.01 FOR LIGHT BOLLARD INFORMATION AND SPECIFICATIONS & DETAIL 8/E1.02 FOR FOUNDATION DETAIL
40. BOLLARD - PER DETAIL J/G4.2
41. CONCRETE TO ASPHALT CONNECTION - PER DETAIL G/G4.1
42. EXISTING TRASH DUMPSTER - TO BE RELOCATED TO THIS LOCATION
43. CURB TO CURB CONNECTION - PER DETAIL K/G4.1
44. REMOVE EXISTING DOWNSPOUT BOOT AND REPLACE WITH NEW DOWNSPOUT BOOT - PER DETAIL I/SU2.1, SUCH THAT BOTTOM FLANGE OF BOOT IS 1" ABOVE NEW CONCRETE SIDEWALK. PROVIDE EXPANSION JOINT AND CAULKING AROUND DOWNSPOUT BOOT
45. CONCRETE RETAINING WALL - SEE STRUCTURAL PLAN
46. 8" WIDE X 3'-6" DEEP CONCRETE CURB, PROFILE TO MATCH DETAIL H/G4.1, SEE GRADING PLAN FOR TOP OF CURB AND PAVEMENT ELEVATIONS, MATCH TOP OF NEW CURB HEIGHT FOR TOP OF NEW RETAINING WALL AT SOUTH AND TOP OF 6" CURB TO THE NORTH
47. 4" WIDE YELLOW PAVEMENT STRIPE AT 3'-0" O.C. AT 45° ANGLE - PER DETAIL C/G4.2

CHERRY TREE ELEMENTARY SCHOOL ADDITION AND RENOVATION

13989 HAZEL DELL PARKWAY
CARMEL, IN 46033

CARMEL CLAY SCHOOLS

ARCHITECT
FANNING HOWEY
317-848-0966 WWW.FHAI.COM
350 E NEW YORK ST# 300, INDIANAPOLIS, IN 46204

CONSULTANT
TLF
317-334-1500 TLF-ENGINEERS.COM
3901 WEST 86TH STREET, ST# 200, INDIANAPOLIS, IN 46268

ADDENDUM #2

PETAR LOMIR RANKOVIC REGISTERED No. 19700317 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY: ARS
PROJECT NUMBER: 222011.00
PROJECT ISSUE DATE: 2.23.2024

REV. NO△	DESCRIPTION	DATE
1	TAC REVIEW	12-15-2023
2	ADDENDUM #2	3-4-2024

ENLARGED SITE LAYOUT PLANS

G1.1

Drawing Path: P:\2023\100\140\CAD\Civil Active\4_2023-142_G1.1_Site Layout Plans.dwg
Plotted By: ostheier Time of Plot: 3/4/24 - 12:08pm Last Edited: 3/4/24 - 12:07pm

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ADDENDUM #2

PETER MILOMIR RADOVIC — REGISTERED — No. 19700317 — STATE OF INDIANA — PROFESSIONAL ENGINEER

DRAWN BY: ARS

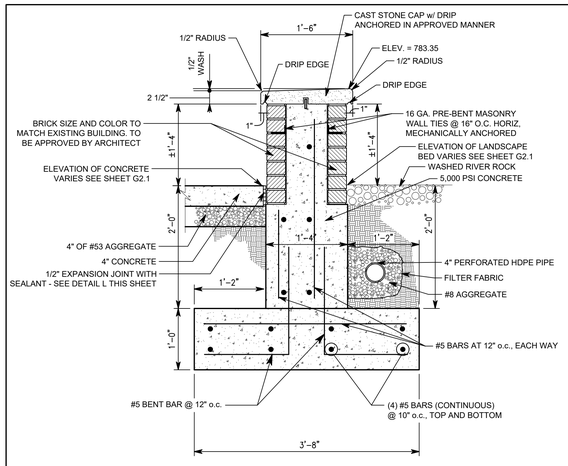
PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 2.23.2024

REV. NO.△	DESCRIPTION	DATE
1	TAC REVIEW	12-15-2023
2	ADDENDUM #2	3-4-2024

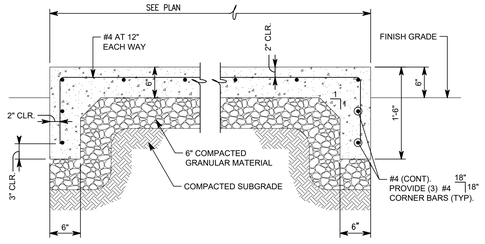
SITE DETAILS

G4.1

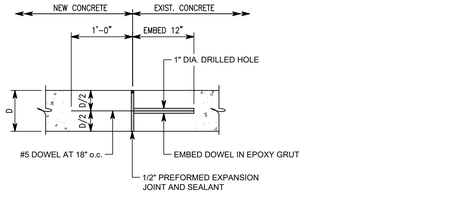


NOTES:
1. WRAP BRICK ON BOTH ENDS.

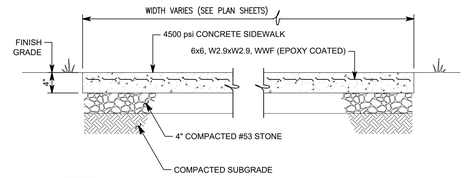
SEATWALL TYPE 2 - DETAIL P
1" = 1'-0"



CONCRETE EQUIPMENT PAD - DETAIL M
1" = 1'-0"

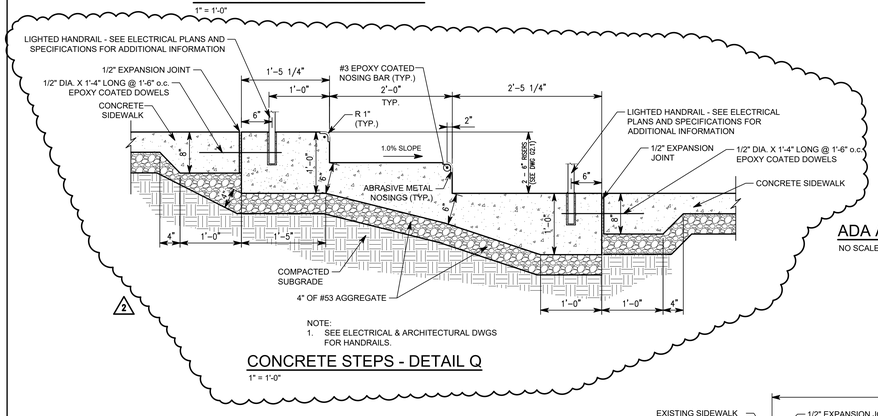


CONCRETE CONNECTION - DETAIL F
1" = 1'-0"



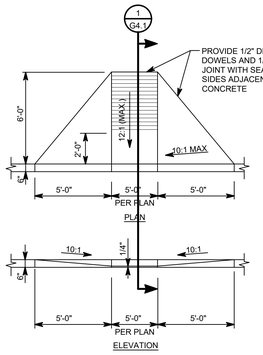
NOTES:
1. CONTROL JOINTS, EXPANSION JOINTS AND EDGES OF SIDEWALK SHALL BE HAND-TOOLED AFTER EACH FINISHING OPERATION.
2. PROVIDE EXPANSION JOINT AT INTERSECTION WITH ANOTHER SIDEWALK, BETWEEN WALKS AND BUILDINGS AND AT SUCH OTHER POINTS AS INDICATED ON THE DRAWINGS.
3. SIDEWALK SHALL HAVE 1/2" EXP. JTS. @ 48' MAX. & CONTROL JOINTS @ 6' MAX.

4" CONCRETE SIDEWALK - DETAIL A
1" = 1'-0"

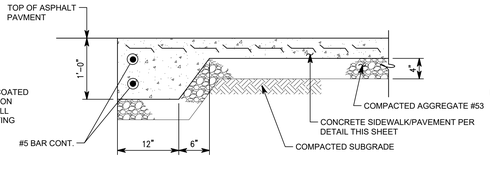


NOTE:
1. SEE ELECTRICAL & ARCHITECTURAL DWGS FOR HANDRAILS.

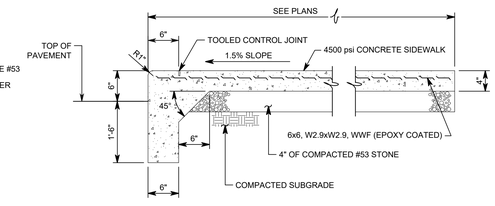
CONCRETE STEPS - DETAIL Q
1" = 1'-0"



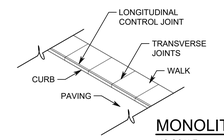
ADA ACCESSIBLE CURB RAMP - TYPE "A" - DETAIL N
NO SCALE



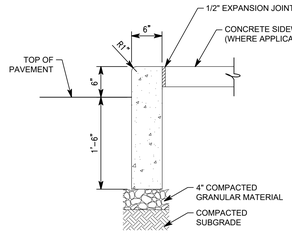
CONCRETE / ASPHALT PAVEMENT INTERFACE - DETAIL G
1" = 1'-0"



NOTES:
1. CURB SHALL HAVE 1/2" EXPANSION JOINTS AT 48'-0" MAX. AND AT ENDS OF RADII. CONTROL JOINTS AT 6'-0" MAX. UNLESS OTHERWISE NOTED ON PLANS.
2. CONTROL JOINTS SHALL BE CUT 1/4 DEPTH OF TOTAL THICKNESS OF SLAB.

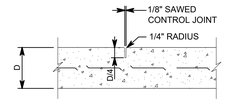


MONOLITHIC CURB AND WALK - DETAIL B
NO SCALE



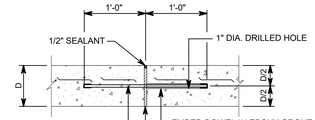
NOTES:
1. PROVIDE CONTROL JOINTS AT 10' MAX. SPACING.
2. PROVIDE EXPANSION JOINTS AT 80' MAX. SPACING AND AT ENDS OF ALL RADII.

6" CONCRETE CURB (STRAIGHT) - DETAIL H
1" = 1'-0"



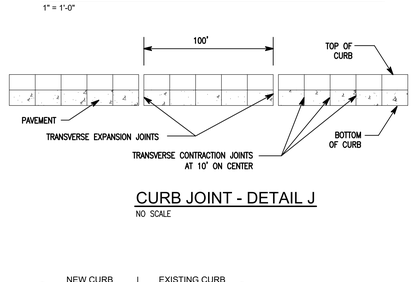
NOTE:
CONSTRUCT CONTROL JOINTS AS SHOWN ON PLAN (MAX. SPACING @ 6'-0" o.c.)

CONTROL JOINT - (SJ)

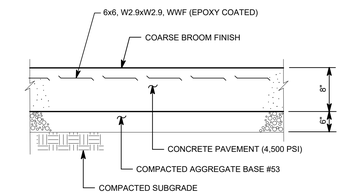


EXPANSION JOINT - (EJ)

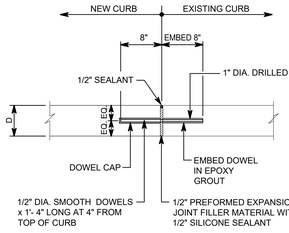
CONCRETE SIDEWALK CONTROL JOINT - DETAIL C
NO SCALE



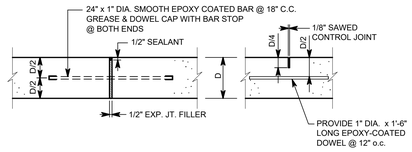
CURB JOINT - DETAIL J
NO SCALE



8" CONCRETE PAVEMENT - DETAIL D
NO SCALE



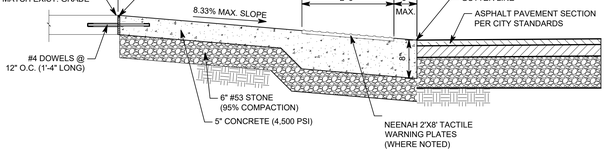
CONCRETE CURB CONNECTION - DETAIL K
1" = 1'-0"



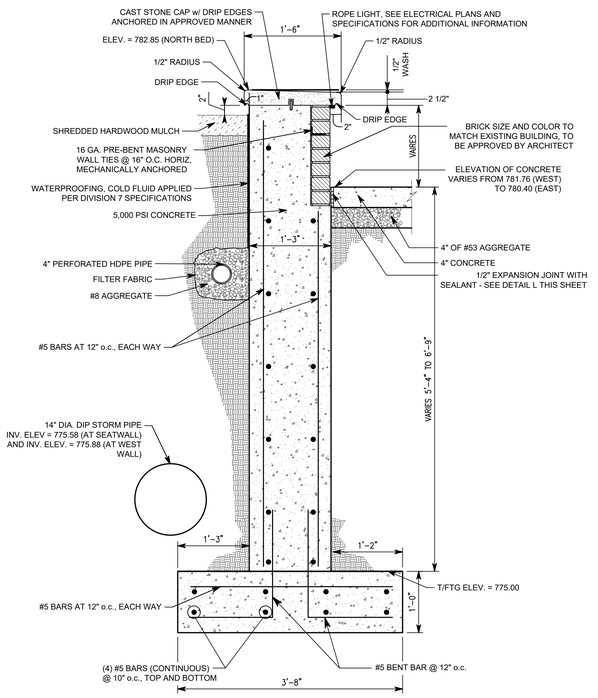
EXPANSION JOINT - "EJ" CONTROL JOINT - "CJ"

NOTE:
1. CONSTRUCT EXPANSION JOINTS @ 40' MAX. AND CONTROL JOINTS @ 10' MAX. UNLESS OTHERWISE NOTED.
2. JOINT SEALANT SHALL BE FUEL RESISTANT, TRAFFIC GRADE, POLYSULFIDE, THIOKOL 2282 OR EQUAL SEALANT PER FEDERAL SPECIFICATION SS-S-200E

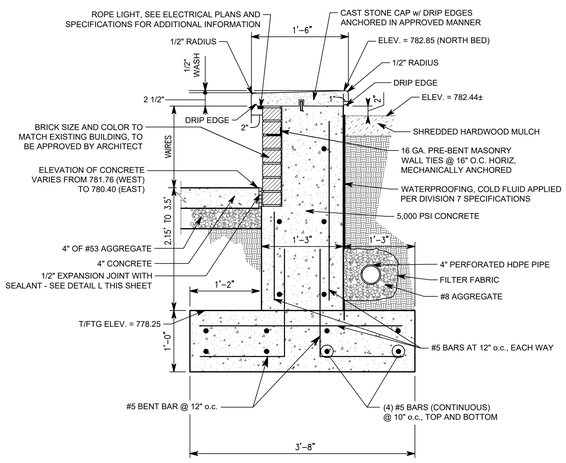
CONCRETE PAVEMENT JOINT - DETAIL E
NO SCALE



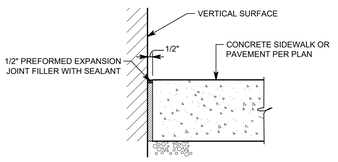
SIDEWALK RAMP - SECTION 1
3/4" = 1'-0"



PLANTER WALL SECTION- DETAIL R
1" = 1'-0"



SEATWALL TYPE 1 - DETAIL O
1" = 1'-0"



PAVEMENT ISOLATION JOINT - DETAIL L
1/2" = 1'-0"

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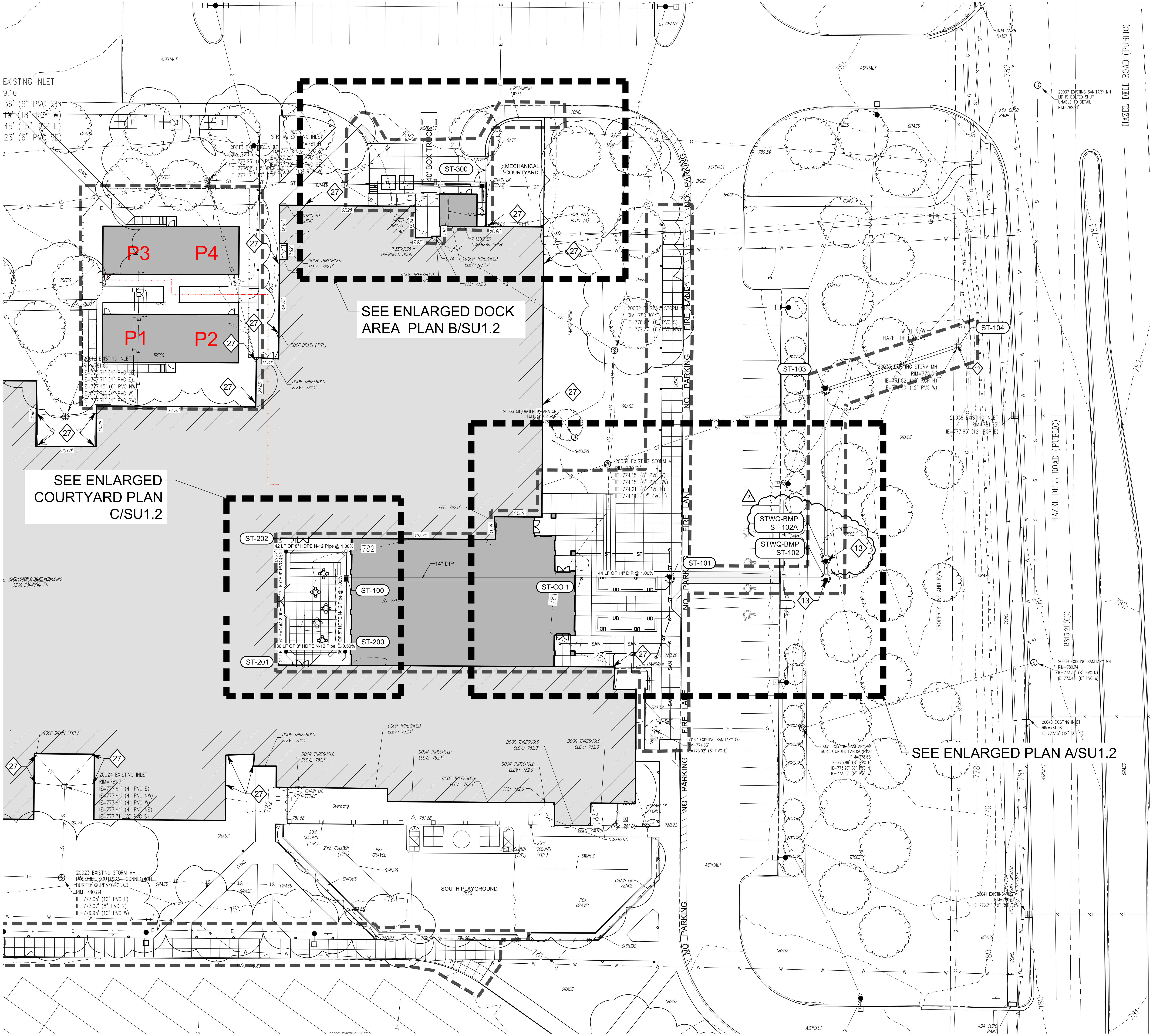
CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.



GENERAL NOTES

1. SEE DRAWING G0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY SCHNEIDER GEOMATICS DATED 09/05/2023. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. CONTRACTOR SHALL RETAIN THE SERVICES OF A UTILITY LOCATE COMPANY TO LOCATE BOTH PUBLIC AND PRIVATE UTILITIES PRIOR TO CONSTRUCTION.
5. THE PROPOSED STORM SEWER SYSTEM FOR THIS PROJECT WILL BE PRIVATE OWNED.
6. FLOOD ROUTING PATH FROM BUILDING ADDITION AND PARKING LOT WHEN 100 YEAR FLOOD IS EXCEEDED. PATH TRAVELS IN A EASTERLY DIRECTION TO EXISTING INLETS LOCATED ON THE WEST SIDE OF HAZEL DELL PARKWAY. THESE INLETS FLOW TO FREEMONT RANDALL DRAIN (VEST - KIRKENDALL DRAINAGE AREA) ULTIMATELY DISCHARGING TO THE WHITE RIVER.
7. NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.
8. UTILITY RELOCATIONS REQUIRED BY THE PROJECT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. UTILITY LINE RELOCATIONS REQUIRED FOR ROAD PROJECTS THAT RESULT IN A CONFLICT WITH PROPOSED DEVELOPMENT SHALL BE THE DEVELOPERS RESPONSIBILITY TO RESOLVE WITH THE UTILITY. EXISTING POLE LINES REQUIRED TO BE RELOCATED TO WITHIN ONE FOOT OF PROPOSED RIGHT-OF-WAY LINE.
9. DAMAGE TO THE EXISTING RIGHT-OF-WAY SHALL RESTORED/REPAIRED TO THE SATISFACTION OF THE CITY AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS ENCOURAGED TO INSPECT THE RIGHT-OF-WAY WITH THE CITY PRIOR TO THE START OF CONSTRUCTION TO DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY. SEE SHEET G0.1 FOR ADDITIONAL INFORMATION ON THE CITY OF CARMEL'S PAVING AND CURB POLICIES.
10. SEE STORM STRUCTURE TABLE ON CIVIL SHEET SU1.2 FOR PIPE SIZES, MATERIAL AND INVERTS OF STORM SEWER.
11. ALL EXISTING PERIMETER ROAD DRAINAGE STRUCTURES AND BRIDGES ACROSS THE FRONTAGE OF THIS DEVELOPMENT ARE INDICATED ON THE PLANS. PROVISIONS HAVE BEEN MADE TO IMPROVE OR REPLACE ANY DRAINAGE STRUCTURES AND BRIDGES AS NECESSARY OR AS REQUEST BY THE CITY OT ACCOMMODATE THE PAVEMENT WIDENING, AUXILIARY LANES, MULTI-USE PATH, AND ANY OTHER REQUIRED IMPROVEMENTS TO THE PROPERTY OR THE ROADWAY. THE COST TO IMPROVE OR REPLACE ANY DRAIANGE STRUCTURES AND BRIDGES WILL BE BORNE BY THE DEVELOPER.
12. ALL PAVING WITHIN THE EXISTING AND PROPOSED CITY RIGHT -OF-WAY SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF ENGINEERING. THE CONTRACTOR SHALL CONTACT THE DEPARTMENT OF ENGINEERING TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW THE DEPARTMENT'S CONSTRUCTION REQUIREMENTS, STAFF NOTIFICATION REQUIREMENTS, REQUIRED INSPECTIONS FOR CERTAIN STAGES OF THE WORK AND TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY.

UTILITY LEGEND

- PROPOSED BUILDING ADDITION
- EXISTING BUILDING
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING ELECTRIC LINE
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED STORM MANHOLE
- PROPOSED NYLOPLAST STRUCTURE
- PROPOSED STORM / SANITARY CLEANOUT
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE

SEE SURVEY SHEET FOR ADDITIONAL LEGEND INFORMATION

◇ UTILITY KEYNOTES

12. MODIFY EXISTING OUTFALL CONTROL STRUCTURE. PROVIDE A 13.5" ORIFICE PLATE ONTO EXISTING 15" STORM PIPE.
13. STORMWATER QUALITY BMP STRUCTURE (AQUA-SWIRL XCELERATOR XC-4) SEE DETAIL E/SU2.2
27. REPLACE EXISTING DOWNSPOUT BOOT WITH NEW DOWNSPOUT BOOT PER DETAIL F/SHEET SU2.2

CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

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Drawing Path: P:\2023\100\142\CAD\Civil\Active\11_2023-142_SU1.1 – SU1.2_Site Utility Plans.dwg
Plotted By: asheller Time of Plot: 3/4/24 – 12:14pm Last Edited: 3/4/24 – 12:10pm

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ADDENDUM #2

PETE MILOMIR RANKOVICH REGISTERED No. 19700317 STATE OF INDIANA PROFESSIONAL ENGINEER

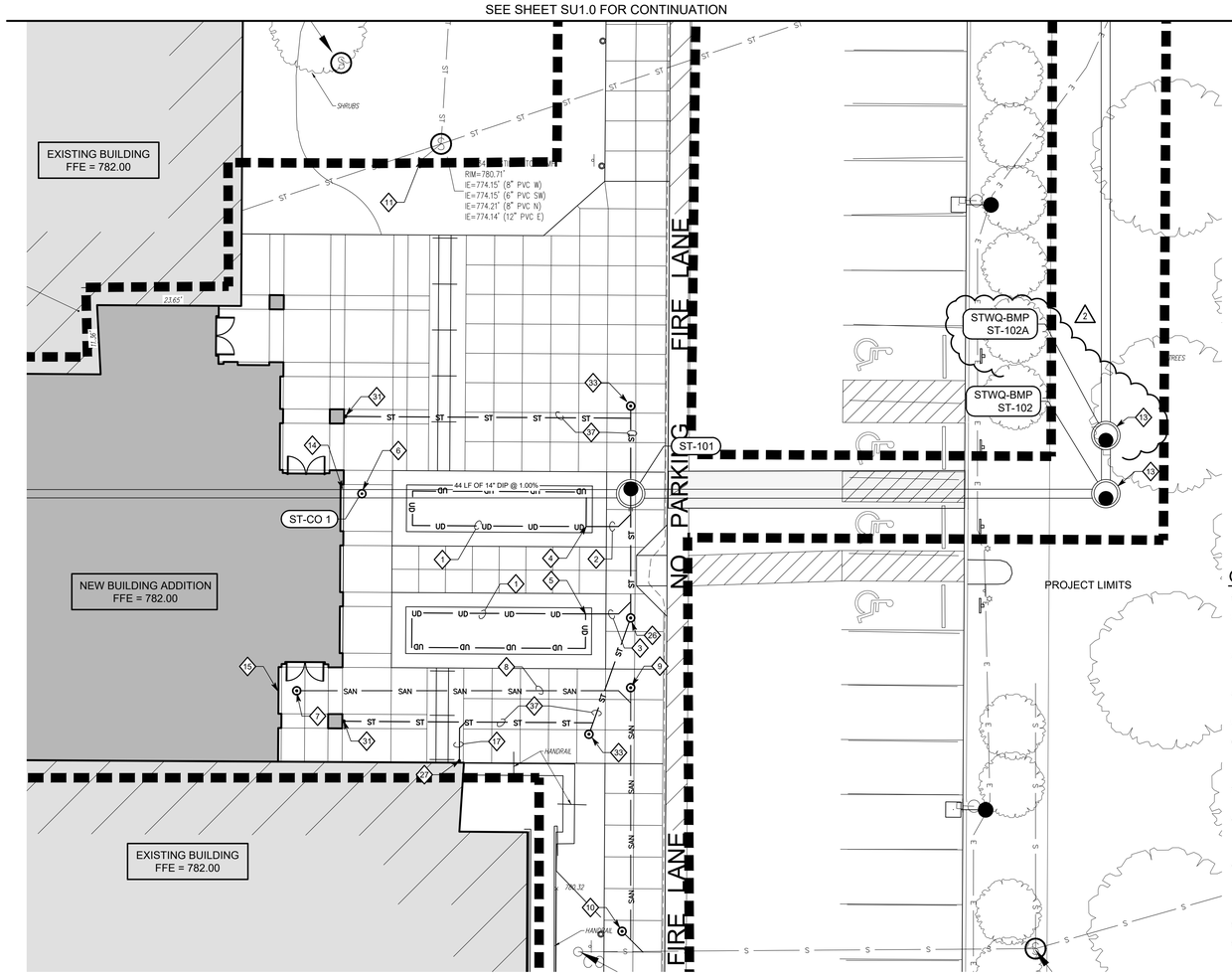
DRAWN BY: ARS
PROJECT NUMBER: 222011.00
PROJECT ISSUE DATE: 2.23.2024

REV. NO.△	DESCRIPTION	DATE
1	TAC REVIEW	12-15-2023
2	ADDENDUM #2	3-4-2024

OVERALL SITE UTILITY PLAN

SU1.1

SEE SHEET SU1.0 FOR CONTINUATION



FRONT ENTRANCE ENLARGED PLAN - AREA "A"

1" = 10'

STORM STRUCTURE TABLE

STR. NO.	STRUCTURE	CASTING TYPE	RIM	INCOMING PIPE DATA (DIRECTION) [FROM STR]	OUTGOING PIPE DATA (DIRECTION) [TO STR]	OUTGOING PIPE L.F.	OUTGOING PIPE SIZE	OUTGOING GRADE	CONNECT TO STR.	REMARKS
100	Inlet Type "A"	R-3405	781.40	8" HDPE N-12 Pipe 777.10 (S) [200] 8" HDPE N-12 Pipe 777.10 (N) [Structure - (34)] 6" PVC Pipe 778.10 (W) []	14" DIP 777.10 (E) [CO 1]	118'	14"	1.00%	CO 1	-
101	Type "C" Manhole	R-1772	780.33	14" DIP 775.48 (W) [CO 1] 6" PVC Pipe 776.48 (S) []	15" HDPE Pipe 775.38 (E) [102]	78'	15"	1.00%	102	-
102	Aqua-Swirl	Manufacturer Supplied	778.35	15" HDPE Pipe 774.60 (W) [101]	15" HDPE Pipe 774.50 (N) [102A]	10'	15"	1.05%	102A	BMP - XC-4
102A	Aqua-Swirl	Manufacturer Supplied	778.35	15" HDPE Pipe 774.40 (S) [102]	15" HDPE Pipe 774.30 (N) [103]	85'	15"	1.00%	103	BMP - XC-4
103	Type "C" Manhole	R-2502	778.45	15" HDPE Pipe 773.45 (S) [102A] 12" PVC Pipe 772.77 (SW) []	15" HDPE Pipe 772.67 (E) [104]	70'	15"	1.10%	104	-
104	Type "C" Manhole	R-2502	776.42	15" HDPE Pipe 771.90 (W) [103]	15" RCP 771.82 (N) []	3'	15"	0.00%		-
200	24" Nyloplast Inlet	2499CGD	781.40	8" HDPE N-12 Pipe 777.83 (W) [201] 4" Perf. PVC Pipe 778.93 (S) []	8" HDPE N-12 Pipe 777.46 (N) [100]	36'	8"	1.00%	100	-
201	24" Nyloplast Inlet	2499CGD	781.40	6" PVC Pipe 778.03 (S) [] 6" PVC Pipe 778.03 (W) [] 6" PVC 778.03 (N) [Structure - (29)]	8" HDPE N-12 Pipe 777.98 (E) [200]	30'	8"	0.50%	200	-
202	24" Nyloplast Inlet	2499CGD	781.40	6" PVC 777.90 (S) [Structure - (28)] 6" PVC Pipe 777.90 (W) [] 6" PVC Pipe 777.90 (N) []	8" HDPE N-12 Pipe 777.53 (E) []		8"	(EXIST.)	(EXIST. R-49)	-
300	Inlet Type "A"	R-3405	779.52	6" PVC Pipe 777.50 (W) [] 4" DIP 777.55 (S) []	6" PVC Pipe 777.50 (E) []	2'	6"	0.00%		-

STRUCTURE TABLE LEGEND

RCP REINFORCED CONCRETE PIPE
PVC POLYVINYL CHLORIDE PIPE
HDPE HIGH DENSITY POLYETHYLENE PIPE

STORM SEWER NOTES:

1. DIRECTIONAL NOTES FOR PIPES ARE BASED ON TRUE NORTH.
2. ALL STORM SEWER CASTINGS (OPEN LIDS AND SOLID LIDS) SHALL HAVE AN ENVIRONMENTAL LOGO SUCH AS "DUMP NO WASTE, DRAINS TO WATERWAYS" EMBOSSED (STAMPED) INTO CASTING. NO "ADD-ON" PLATES OR STICKERS (DECALS) WILL BE PERMITTED.
3. ALL STORM SEWER MANHOLE COVERS SHALL HAVE THE WORDS "STORM SEWER" CAST IN RECESSED LETTERS TWO INCHES IN HEIGHT.
4. PIPE LENGTHS SHOWN IN THE TABLE ARE TO CENTER OF STRUCTURE.
5. CASTINGS AND FRAMES NOTED IN THE TABLE REFER TO NEENAH FOUNDRY. MODELS MAY BE SUBSTITUTED WITH AN APPROVED EQUIVALENT WITH ENGINEER APPROVAL.

GENERAL NOTES

1. SEE DRAWING G0.1 FOR GENERAL NOTES AND ADDITIONAL LEGEND.
2. TOPOGRAPHIC CONDITIONS AND EXISTING UTILITIES SHOWN WERE PROVIDED BY SCHNEIDER GEOMATICS DATED 09/05/2023. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE PROJECT AREA INCLUDING UNDERGROUND UTILITY CONDITIONS, LOCATION AND DEPTH PRIOR TO ANY OTHER SITE CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. CONTRACTOR SHALL RETAIN THE SERVICES OF A UTILITY LOCATE COMPANY TO LOCATE BOTH PUBLIC AND PRIVATE UTILITIES PRIOR TO CONSTRUCTION.
5. THE PROPOSED STORM SEWER SYSTEM FOR THIS PROJECT WILL BE PRIVATE OWNED.
6. FLOOD ROUTING PATH FROM BUILDING ADDITION AND PARKING LOT WHEN 100 YEAR FLOOD IS EXCEEDED. PATH TRAVELS IN A EASTERLY DIRECTION TO EXISTING INLETS LOCATED ON THE WEST SIDE OF HAZEL DELL PARKWAY. THESE INLETS FLOW TO FREEMONT RANDALL DRAIN (VEST - KIRKENDALL DRAINAGE AREA) ULTIMATELY DISCHARGING TO THE WHITE RIVER.
7. NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.
8. UTILITY RELOCATIONS REQUIRED BY THE PROJECT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. UTILITY LINE RELOCATIONS REQUIRED FOR ROAD PROJECTS THAT RESULT IN A CONFLICT WITH PROPOSED DEVELOPMENT SHALL BE THE DEVELOPERS RESPONSIBILITY TO RESOLVE WITH THE UTILITY. EXISTING POLE LINES REQUIRED TO BE RELOCATED TO WITHIN ONE FOOT OF PROPOSED RIGHT-OF-WAY LINE.
9. DAMAGE TO THE EXISTING RIGHT-OF-WAY SHALL RESTORED/REPAIRED TO THE SATISFACTION OF THE CITY AT THE COMPLETION OF THE PROJECT. THE CONTRACTOR IS ENCOURAGED TO INSPECT THE RIGHT-OF-WAY WITH THE CITY PRIOR TO THE START OF CONSTRUCTION TO DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY. SEE SHEET G0.1 FOR ADDITIONAL INFORMATION ON THE CITY OF CARMEL'S PAVING AND CURB POLICIES.
10. SEE STORM STRUCTURE TABLE FOR PIPE SIZES, MATERIAL AND INVERTS OF STORM SEWERS.
11. ALL EXISTING PERIMETER ROAD DRAINAGE STRUCTURES AND BRIDGES ACROSS THE FRONTAGE OF THIS DEVELOPMENT ARE INDICATED ON THE PLANS. PROVISIONS HAVE BEEN MADE TO IMPROVE OR REPLACE ANY DRAINAGE STRUCTURES AND BRIDGES AS NECESSARY OR AS REQUEST BY THE CITY OT ACCOMMODATE THE PAVEMENT WIDENING, AUXILIARY LANES, MULTI-USE PATH, AND ANY OTHER REQUIRED IMPROVEMENTS TO THE PROPERTY OR THE ROADWAY. THE COST TO IMPROVE OR REPLACE ANY DRAIANGE STRUCTURES AND BRIDGES WILL BE BORNE BY THE DEVELOPER.
12. ALL PAVING WITHIN THE EXISTING AND PROPOSED CITY RIGHT -OF-WAY SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF ENGINEERING. THE CONTRACTOR SHALL CONTACT THE DEPARTMENT OF ENGINEERING TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW THE DEPARTMENT'S CONSTRUCTION REQUIREMENTS, STAFF NOTIFICATION REQUIREMENTS, REQUIRED INSPECTIONS FOR CERTAIN STAGES OF THE WORK AND TO REVIEW THE AUTHORITY OF THE DEPARTMENT AS IT RELATES TO WORK WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY.

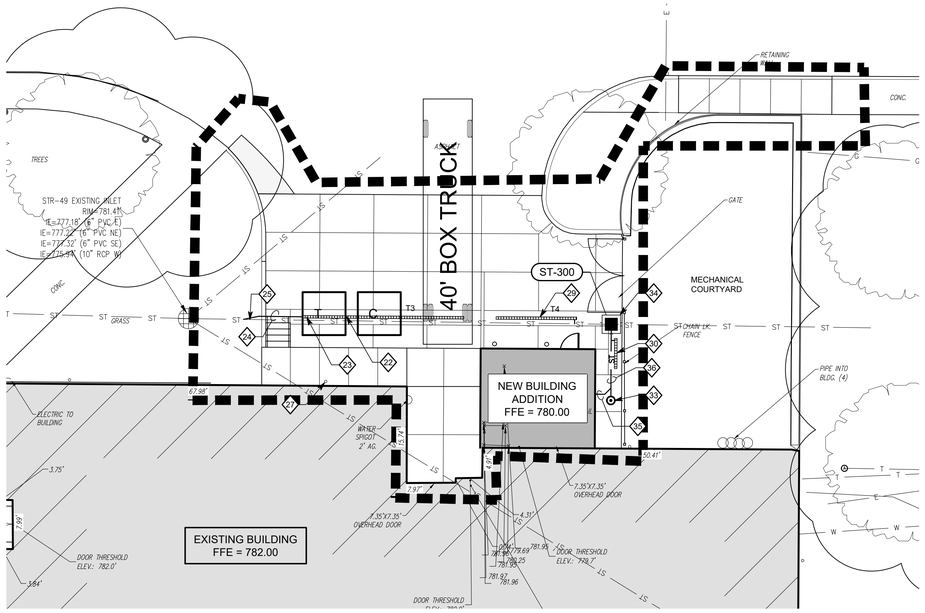
UTILITY LEGEND

- PROPOSED BUILDING ADDITION
- EXISTING BUILDING
- ST — EXISTING STORM SEWER
- S — EXISTING SANITARY SEWER
- W — EXISTING WATER LINE
- E — EXISTING ELECTRIC LINE
- ST — PROPOSED STORM SEWER
- UD — PROPOSED UNDERDRAIN
- PROPOSED STORM MANHOLE
- PROPOSED NYLOPLAST STRUCTURE
- PROPOSED STORM / SANITARY CLEANOUT
- SAN — PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE

SEE SURVEY SHEET FOR ADDITIONAL LEGEND INFORMATION

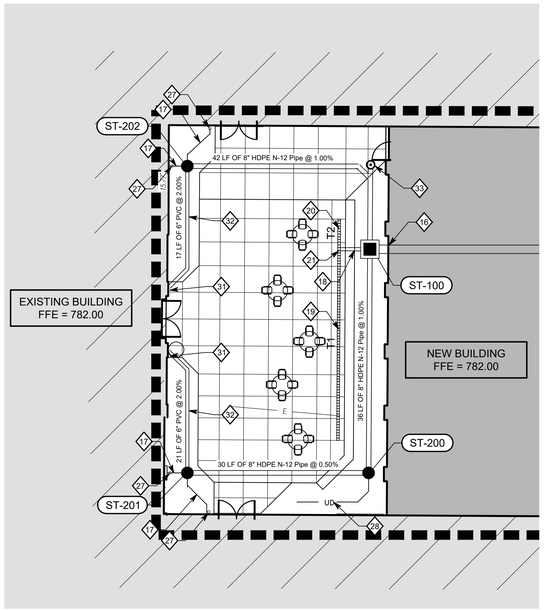
UTILITY KEYNOTES

1. 68' OF 4" HDPE UNDERDRAIN PIPE WITH FILTER SOCK @ 1.00% SLOPE.
2. 8' OF 6" PVC PIPE @ 1.00% SLOPE.
3. 24' OF 6" PVC PIPE @ 1.00% SLOPE
4. CONNECT 4" HDPE UNDERDRAIN PIPE TO 6" PVC @ INV. ELEV. = 776.58'
5. CONNECT 4" HDPE UNDERDRAIN PIPE TO 6" PVC @ INV. ELEV. = 776.72'
6. NEW STORM CLEANOUT - SEE DETAIL CS 19/SU2.1
   T/RIM = 781.86'
   INV. ELEV. = 775.92'
7. NEW SANITARY CLEANOUT - SEE DETAIL CS 19/SU2.1
   T/RIM = 781.92'
   INV. ELEV. = 777.44'
8. 96' OF 6" SDR-35 PVC @ 1.20% SLOPE
9. NEW SANITARY CLEANOUT - SEE DETAIL CS 19/SU2.1
   T/RIM = 780.18'
   INV. ELEV. = 776.94'
10. NEW SANITARY CLEANOUT - SEE DETAIL CS 19/SU2.1
    T/RIM = 780.17'
    INV. ELEV. (N) = 773.92'
    INV. ELEV. (W) = 773.92' (EXISTING)
    INV. ELEV. (E) = 773.92' (EXISTING)
    (FIELD VERIFY LOCATION, DEPTH AND MATERIAL OF EXISTING PIPE)
11. CAP EXISTING STORM LINE - SEE DETAIL C/SU2.2
12. MODIFY EXISTING OUTFALL CONTROL STRUCTURE. PROVIDE A 13.5" ORIFICE PLATE ONTO EXISTING 15" STORM PIPE.
13. STORMWATER QUALITY STRUCTURE (AQUA-SWIRL XCELERATOR XC-4) SEE DETAIL E/SU2.2
14. INVERT ELEV. @ BUILDING = 775.95'
15. INVERT ELEV. @ BUILDING = 777.50'
16. INVERT ELEV. @ BUILDING = 777.05'
17. 6" SDR-35 PVC CONNECTED TO NEW DOWNSPOUT BOOT @ 778.00'. SEE DETAIL I/SU 2.1. CONTRACTOR TO SUPPLY ALL PIPE AND FITTINGS NECESSARY TO CONNECT TO STORM STRUCTURE.
18. 6" PVC PIPE FROM TRENCH DRAIN CATCH BASIN CONNECTED TO STRUCTURE ST-100 @ 1.00% SLOPE
19. TRENCH DRAIN 'T1'. 9 CHANNELS OF ACO DRAIN KLASSIKDRAIN (K1-30 THRU K1-38) KS100 (FLOW S TO N) LOAD CLASS A WAVE IRON DRAINLOK GRATE. SEE DETAIL A ON SHEET SU2.2
20. TRENCH DRAIN 'T2'. 1 CHANNEL OF ACO DRAIN KLASSIKDRAIN (K1-38) KS100 (FLOW N to S) LOAD CLASS A WAVE IRON DRAINLOK GRATE. SEE DETAIL A ON SHEET SU2.2
21. ACO DRAIN K1-632 CATCH BASIN (6" UNDERSIDE KNOCKOUT).
22. TRENCH DRAIN 'T3'. 8 CHANNELS OF ACO DRAIN POWERDRAIN (SK2-33 THRU SK2-40) S200K (FLOW E to W) LOAD CLASS F IRON SLOTTED GRATE (4 BOLT). SEE DETAIL B ON SHEET SU2.2
23. OUTLET ACO CHANNEL TO HAVE END CAP AND 6" UNDERSIDE KNOCKOUT
24. 9' OF 6" PVC PIPE @ 2.00% SLOPE
25. PROVIDE WYE FITTING TO CONNECT NEW 6" PVC PIPE FROM TRENCH DRAIN TO EXISTING 6" PVC. CONTRACTOR TO FIELD VERIFY EXISTING INVERT OF 6" PVC.
26. NEW STORM CLEANOUT - SEE DETAIL CS19/SU2.1
    T/RIM = 780.30'
    INV. ELEV. = 776.67'
27. EXISTING DOWNSPOUT BOOT TO BE REPLACED WITH NEW DOWNSPOUT BOOT, PER DETAIL I/SU2.1. VERIFY DEPTH, MATERIAL AND PIPE SIZE OF EXISTING PIPE.
28. 13' OF 4" PERFORATED PVC PIPE WITH FILTER SOCK @ 1.00% SLOPE
29. TRENCH DRAIN 'T4'. 6 CHANNELS OF ACO DRAIN POWERDRAIN (SK2-31 THRU SK2-23) S200K (FLOW W to E) LOAD CLASS F IRON SLOTTED GRATE (4 BOLT). SEE DETAIL B ON SHEET SU2.2
30. TRENCH DRAIN 'T5'. 2 CHANNELS OF ACOO DRAIN POWERDRAIN (SK2-31 THRU SK2-23) NS200K (FLOW N to S) LOAD CLASS F IRON SLOTTED GRATE (4 BOLT). SEE DETAIL B ON SHEET SU2.2.
31. NEW DOWNSPOUT BOOT PER DETAIL H/SU2.1.
32. 20' OF 6" PVC SDR 35 PIPE AT 2.00% SLOPE.
33. STORM SEWER CLEANOUT PER DETAIL D/SU2.1.
34. NEW STORM INLET ST-300. CONNECT BUILDING ROOF DRAIN AND NEW TRENCH DRAINS. RE-CONNECT EXISTING 6" STORM LINE BELOW TO NEW INLET.
35. NEW BUILDING 4" DIP ROOF DRAIN AT INV. ELEV= 777.80'
36. 10' OF 4" DIP @ 2.00% SLOPE.
37. 58' OF 6" PVS SDR 35 PIPE AT 1.50% SLOPE.



ENLARGED COURTYARD PLAN - AREA "B"

1" = 10'



ENLARGED COURTYARD PLAN - AREA "C"

1" = 10'

CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

CHERRY TREE ELEMENTARY SCHOOL ADDITION AND RENOVATION

13989 HAZEL DELL PARKWAY
CARMEL, IN 46033

CARMEL CLAY SCHOOLS

ARCHITECT
FANNING HOWEY
317-848-0966 WWW.FHAI.COM
350 E NEW YORK ST# 300, INDIANAPOLIS, IN 46204

CONSULTANT
TLF
317-334-1500 TLF-ENGINEERS.COM
3901 WEST 86TH STREET, ST# 200, INDIANAPOLIS, IN 46268

ADDENDUM #2

PETR MLOMIR RANKOV
REGISTERED
No. 19700317
STATE OF INDIANA
PROFESSIONAL ENGINEER

DRAWN BY: ARS

PROJECT NUMBER: 222011.00

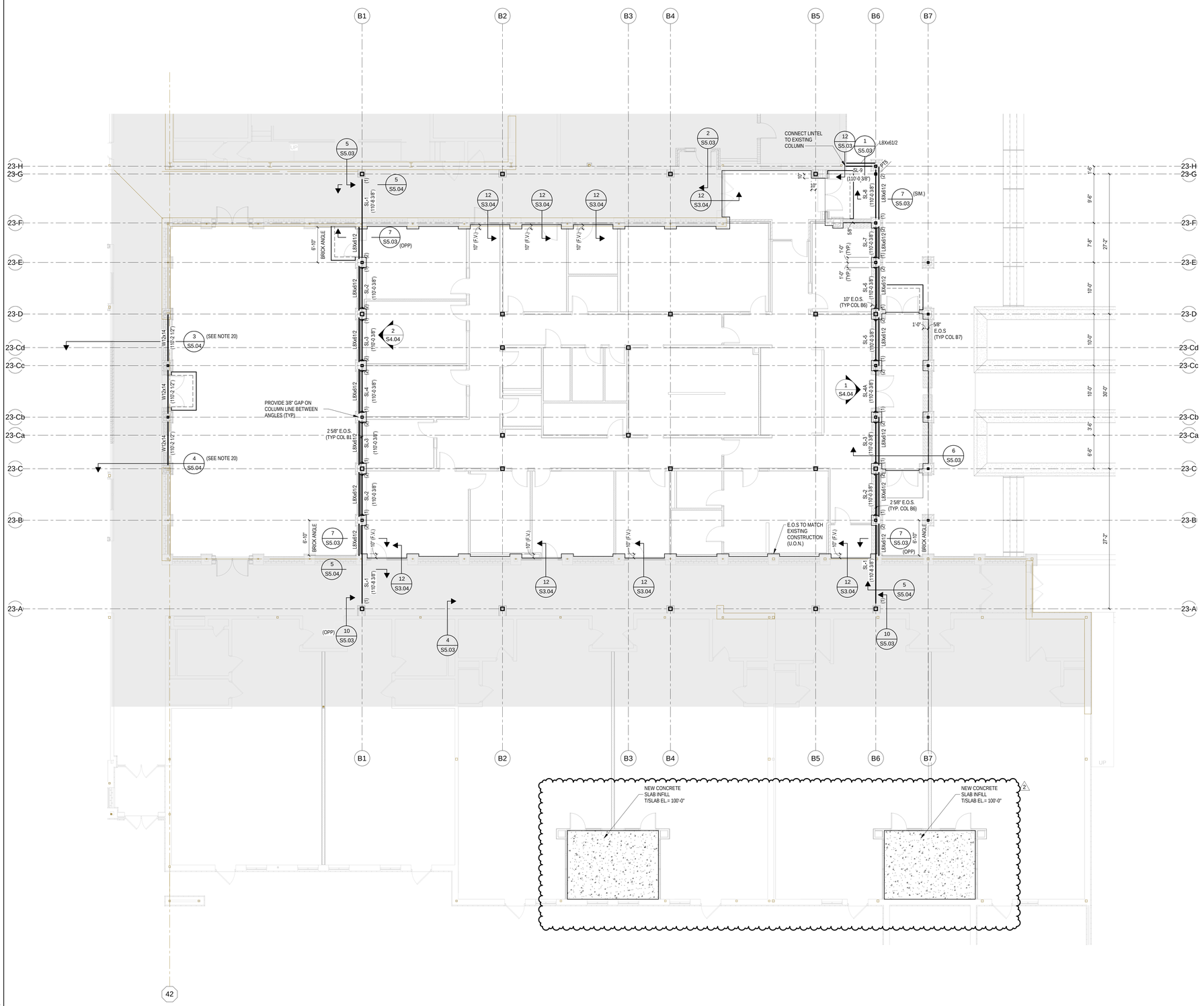
PROJECT ISSUE DATE: 2.23.2024

REV. NO△	DESCRIPTION	DATE
1	TAC REVIEW	12-15-2023
2	ADDENDUM #2	3-4-2024

SITE UTILITY PLAN

SU1.2

Drawing Path: P:\2023\100\142\CAD\Civil\Active\11_2023-142_SU1.1 - SU1.2_Site Utility Plans.dwg
Plotted By: ostheller Time of Plot: 3/4/24 - 12:14pm Last Edited: 3/4/24 - 12:03pm



UNIT B - SLAB AND MASONRY PLAN

1/8" = 1'-0"

NORTH

SLAB AND MASONRY PLAN NOTES:

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE S3.03, S3.04 AND S4.01 THROUGH S4.03 FOR TYPICAL SLAB AND MASONRY DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS OTHERWISE NOTED.
3. REFERENCE ELEVATION = TOP OF EXISTING FINISH FLOOR = 100'-0" (782.00' U.S.G.S.).
4. L, ML, HL — INDICATES MASONRY LINTEL. SEE SHEET S4.03.
5. LBR — INDICATES STEEL ANGLE LINTEL. SEE SHEET S4.03.
6. SL-X — INDICATES STEEL LINTEL. SEE SHEET S4.03 FOR SCHEDULE. VERIFY MASONRY OPENING AND ELEVATION WITH ARCHITECTURAL PLANS.
7. BPX — INDICATES BEARING PLATE REQUIRED. SEE S5.01.
8. CJ — INDICATES CONTROL JOINT IN CMU. COORDINATE LOCATION WITH BONDING PATTERN AND WALL ELEVATION (SEE S4.02).
9. * — INDICATES LINTEL REQUIRED FOR MECHANICAL OPENING. ONLY A PORTION OF THESE LINTELS REQUIRED FOR MASONRY OPENINGS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL LINTELS REQUIRED FOR MECHANICAL OPENINGS WHETHER OR NOT SHOWN ON THE PLANS. COORDINATE NUMBER, SIZE, ELEVATION, AND LOCATION OF ALL LINTELS FOR MECHANICAL OPENINGS.

   SEE 3-S4.03 AND 4-S4.03 FOR LINTELS IN NON-BEARING WALLS. SUBMIT SHOP DRAWINGS FOR REVIEW FOR LINTELS REQUIRED AT MECHANICAL OPENINGS IN BEARING WALLS AND OUTSIDE LIMITS OF 3-S4.03 AND 4-S4.03.
10. FOR MULTI-SPAN CONTINUOUS LINTELS, MAINTAIN 16" MINIMUM CMU BETWEEN OPENINGS (U.O.N.).
11. SEE S4.01 FOR MASONRY WALL BRACING REQUIREMENTS.
12. SEE S4.02 FOR SLOPING BOND BEAM REQUIREMENTS.
13. SEE WALL ELEVATIONS ON S4.04 FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
14. SEE THE PROJECT MANUAL FOR SLAB ON GRADE CONTRACTION AND CONSTRUCTION JOINT SPACING REQUIREMENTS. THE CONTRACTOR IS ENCOURAGED TO SUBMIT A SLAB PLAN SHOWING ALTERNATE SPACINGS AND LOCATIONS THAT ADAPTS TO THEIR PLANNED CONSTRUCTION SEQUENCE.
15. PROVIDE LINTEL AT RECESSED FIRE EXTINGUISHER CABINET. SEE TYPICAL CMU WALL OPENING AT RECESSED EQUIPMENT ON S4.02.
17. PROVIDE LINTEL AT RECESSED ELECTRICAL PANEL BOARD. SEE TYPICAL CMU WALL OPENING AT RECESSED EQUIPMENT ON S4.02.
18. SLAB ON GRADE SHALL BE 4" THICK REINFORCED WITH 6x6-W2.1xW2.1 WIRE MESH REINFORCING IN SHEET FORM. SLAB SHALL BE PLACED OVER VAPOR BARRIER ON 6" DRAINAGE FILL OVER PROOF ROLLED SUBGRADE. SEE 6-S3.03 FOR TYPICAL 4" CONCRETE SLAB ON GRADE DETAILS.
19. SLAB ON GRADE SHALL BE 6" THICK REINFORCED WITH 6x6-W2.1xW2.1 WIRE MESH REINFORCING IN SHEET FORM. SLAB SHALL BE PLACED ON 6" DRAINAGE FILL.
20. SEE 7-S3.03 FOR SLAB ISOLATIONS AND 1/S3.04 AND 2/S3.04 FOR CONTRACTION JOINTS.
21. FIELD VERIFY EXISTING CONDITIONS TO COORDINATE COMMENTS ON EXTENTS.
22. LEGEND:

    INDICATES SLAB DEPRESSION FROM FINISHED FLOOR ELEVATION. SEE THE PROJECT MANUAL FOR REQUIRED DEPRESSION.

    (1) SL-X (2) (110'-8 1/2") — SL-X INDICATES STEEL LINTEL MARK, TOP OF LINTEL ELEVATION, MOMENT CONNECTION (SEE PLAN FOR LOCATIONS), AND END DEFINITION. SEE 1-S4.03 FOR SIZE AND END FORCES.

CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

CARMEL CLAY SCHOOLS

ARCHITECT

FANNING HOWEY

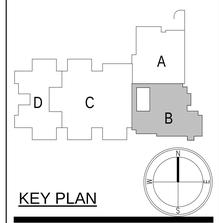
317-848-0966 WWW.FHAI.COM

350 E. New York St, Indianapolis IN 46204

CONSULTANT

TLF, INC.

3901 West 86th Street, Suite 200
Indianapolis, Indiana 46268
Phone: 317-334-1500
Fax: 317-334-1552
TLF Job No: 2023-142



KEY PLAN

BIDS

PROJECT MANAGER: SAM

DRAWN BY: TLF

PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM 2	03.04.24

UNIT B - SLAB AND MASONRY PLAN

S1.04

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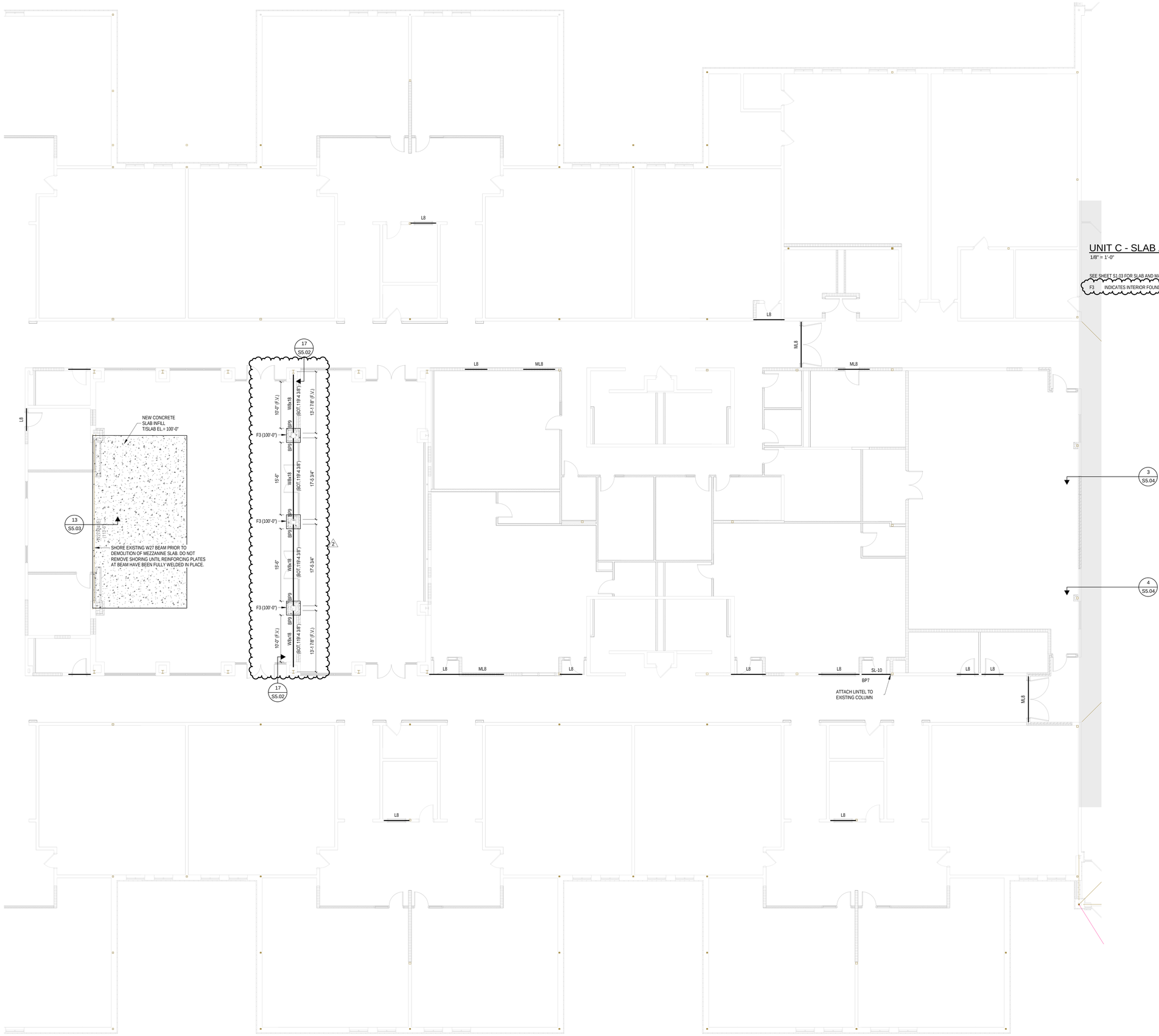

UNIT C - SLAB AND MASONRY PLAN

1/8" = 1'-0"

SEE SHEET S1.03 FOR SLAB AND MASONRY PLAN NOTES

F3 INDICATES INTERIOR FOUNDATION. SEE FOUNDATION SCHEDULE ON S3.01.

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CARMEL CLAY SCHOOLS

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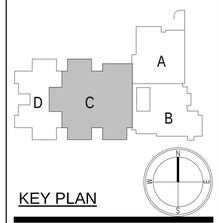

KEY PLAN

BIDS

PROJECT MANAGER: SAM

DRAWN BY: TLF

PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM 2	03.04.24

UNIT C - SLAB AND MASONRY PLAN

S1.05

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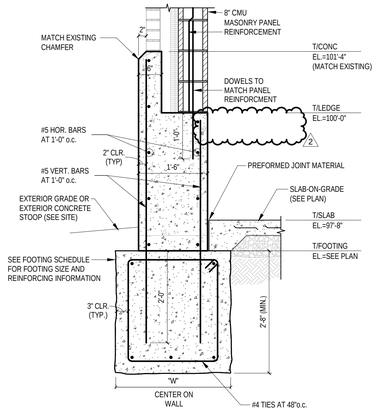
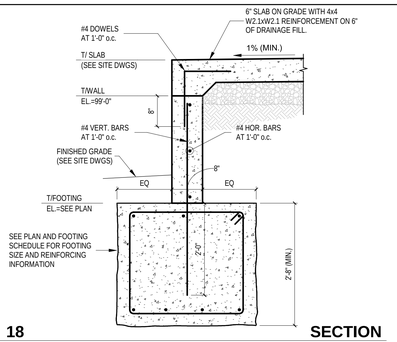


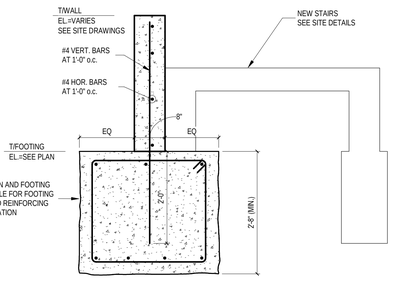
17 **SECTION**

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



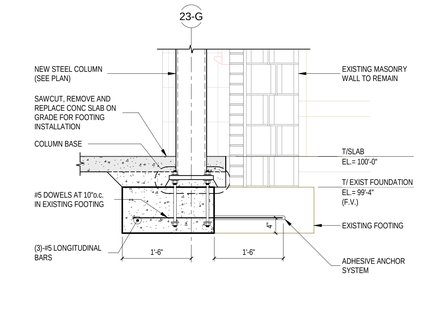
18 **SECTION**

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



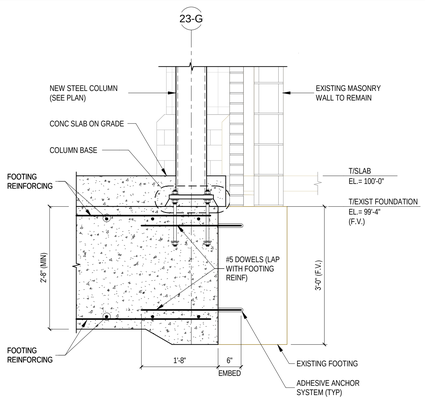
19 **SECTION**

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



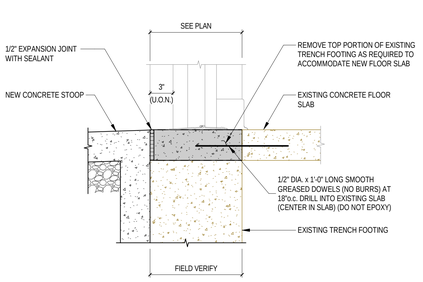
13 **SECTION**

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



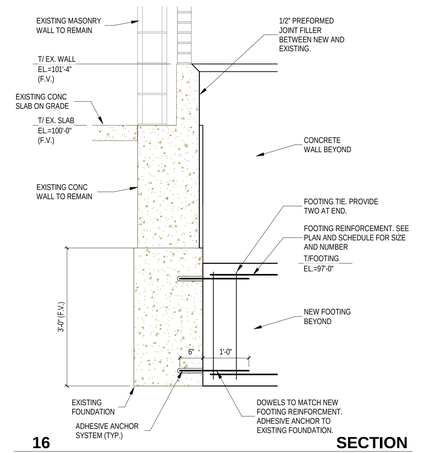
14 **SECTION**

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



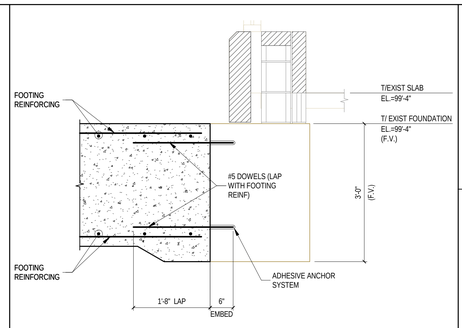
15 **SLAB AT EXISTING FOOTING**

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



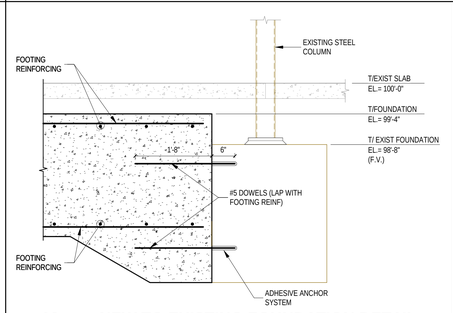
16 **SECTION**

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



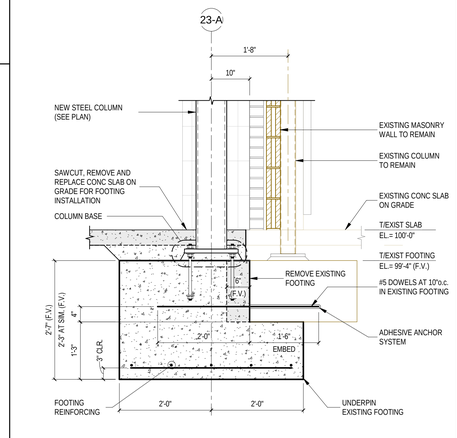
9 **NEW TO EXISTING FOUNDATION DETAIL**

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



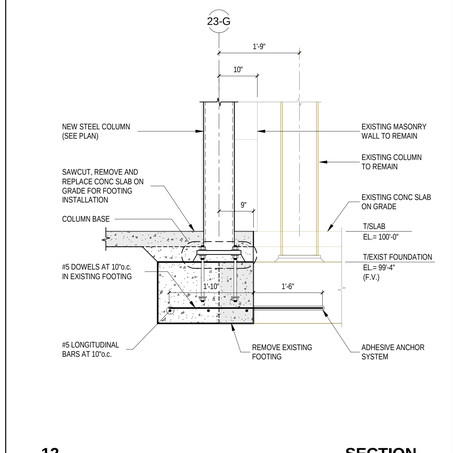
10 **NEW TO EXISTING FOUNDATION DETAIL**

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



11 **SECTION**

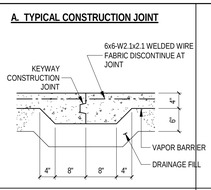
SCALE: 3/4" = 1'-0"



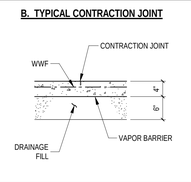
12 **SECTION**

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

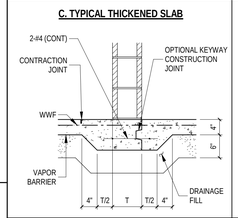
A. TYPICAL CONSTRUCTION JOINT



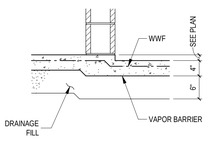
B. TYPICAL CONTRACTION JOINT



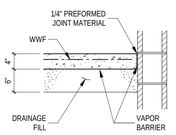
C. TYPICAL THICKENED SLAB



D. TYP. DEPRESSED SLAB EDGE AT WALL



E. TYPICAL SLAB AT WALL



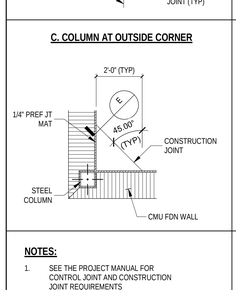
NOTES:

1. ALL CONCRETE FOR SLAB ON GRADE SHALL BE F'c = 3500 PSI AT 28 DAYS.
2. WELDED WIRE FABRIC TO BE DEPRESSED OR LAPPED AT ALL DEPRESSIONS.

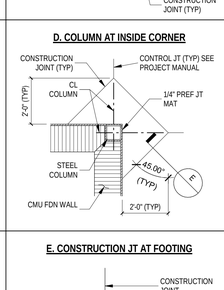
6 **TYPICAL 4" CONCRETE SLAB ON GRADE**

N.T.S.

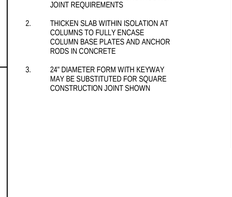
A. COLUMN ON ISOLATED FOOTING



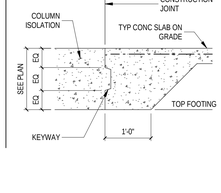
B. COLUMN ALONG FOUNDATION WALL



C. COLUMN AT OUTSIDE CORNER



D. COLUMN AT INSIDE CORNER



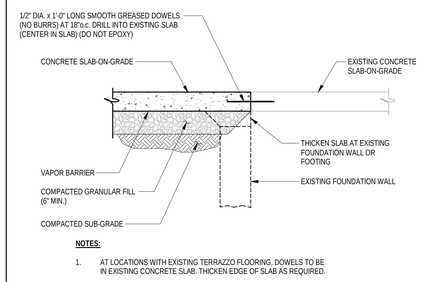
NOTES:

1. SEE THE PROJECT MANUAL FOR CONTROL JOINT AND CONSTRUCTION JOINT REQUIREMENTS
2. THICKEN SLAB WITHIN ISOLATION AT COLUMNS TO FULLY ENCASE COLUMN BASE PLATES AND ANCHOR RODS IN CONCRETE
3. 24" DIAMETER FORM WITH KEYWAY MAY BE SUBSTITUTED FOR SQUARE CONSTRUCTION JOINT SHOWN

E. CONSTRUCTION JT AT FOOTING

7 **TYPICAL SLAB ISOLATION**

N.T.S.

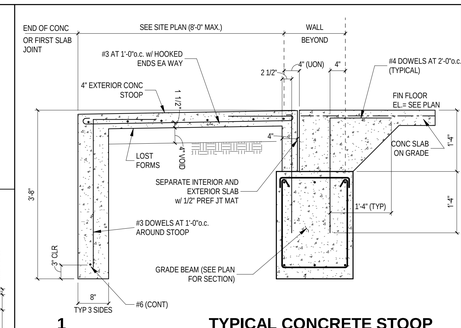


NOTES:

1. AT LOCATIONS WITH EXISTING TERRAZZO FLOORING, DOWELS TO BE IN EXISTING CONCRETE SLAB. THICKEN EDGE OF SLAB AS REQUIRED.

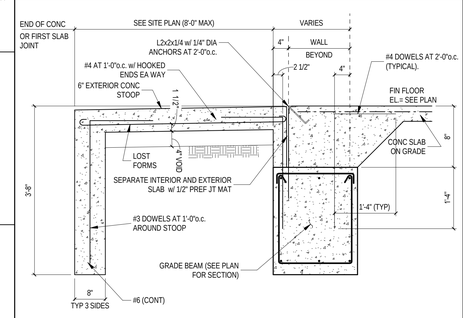
8 **TYPICAL NEW TO EXISTING SLAB CONSTRUCTION JOINT**

N.T.S.



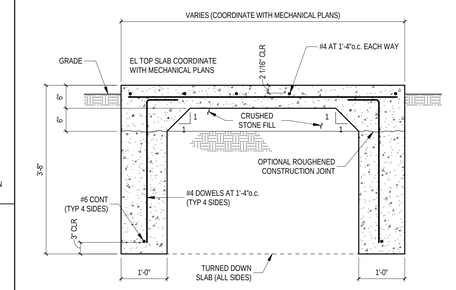
1 **TYPICAL CONCRETE STOOP**

N.T.S.



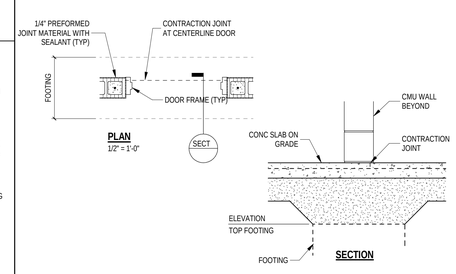
2 **CONCRETE STOOP AT OVERHEAD DOOR**

N.T.S.



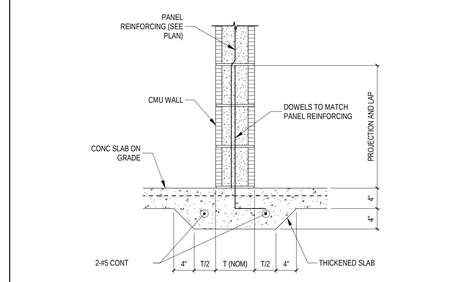
3 **TYPICAL EXTERIOR MECHANICAL SLAB**

N.T.S.



4 **TYPICAL SLAB AT INTERIOR OPENING**

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



TYPICAL AT ALL LOCKER END WALLS

5 **ISOLATED END WALLS**

N.T.S.

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CARMEL CLAY SCHOOLS

ARCHITECT

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CONSULTANT

TLF, INC.

3901 West 86th Street, Suite 200
Indianapolis, Indiana 46268
Phone: 317-334-1500
Fax: 317-334-1552
TLF Job No: 2023-142

BIDS

PROJECT MANAGER: SAM

DRAWN BY: TLF

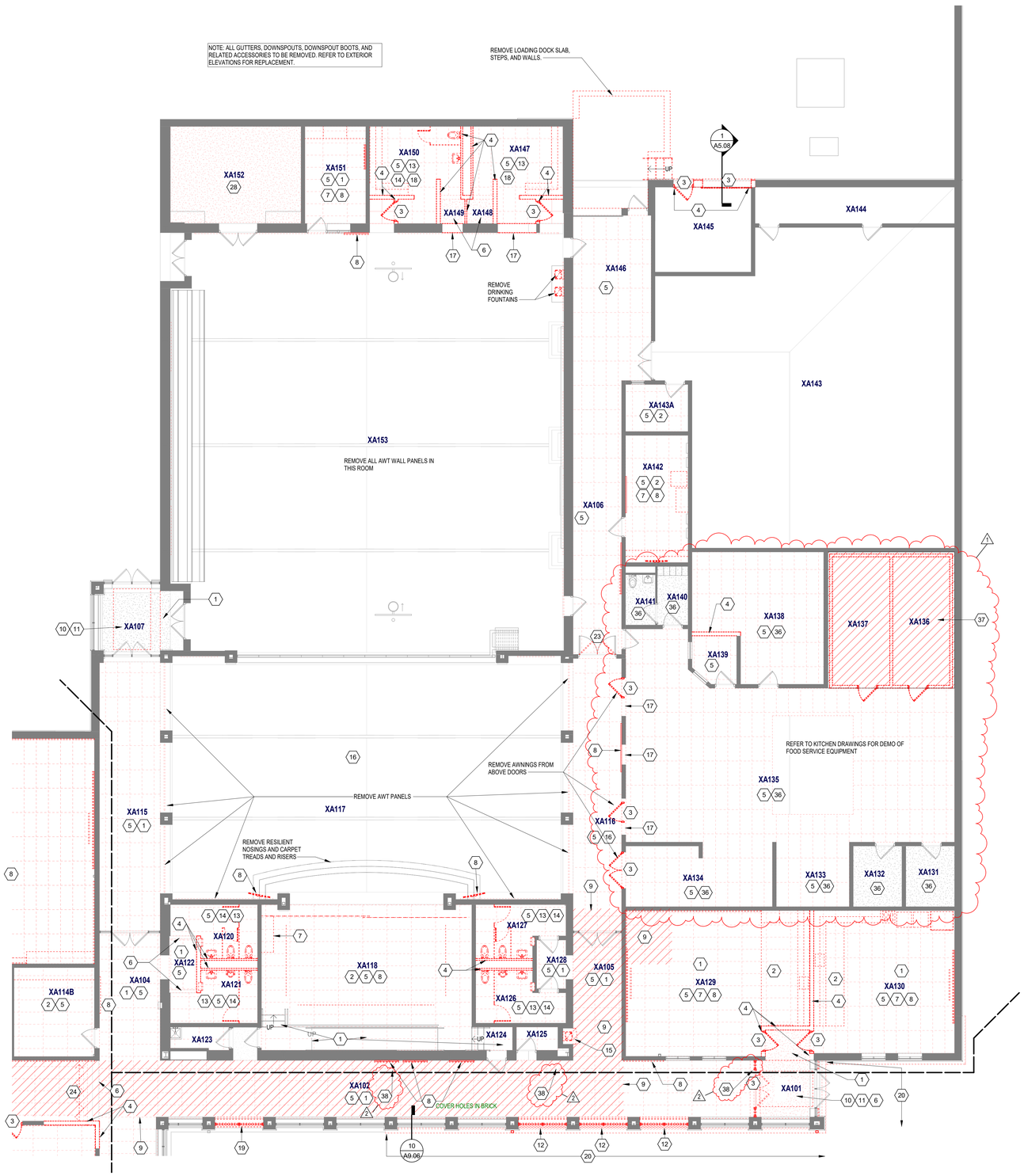
PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM 2	03.04.24

FOUNDATION AND SLAB DETAILS

S3.03



UNIT A DEMOLITION PLAN

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

ARCHITECTURAL DEMOLITION GENERAL NOTES

A. DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. CONTRACTOR IS TO VERIFY THEIR WORK IN THE FIELD WITH THE DEMOLITION DRAWINGS, NEW CONSTRUCTION DRAWINGS, AND THE EXISTING IN-FIELD CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT.
B. "FLOORING" DENOTES FLOOR COVERING MATERIALS INCLUDING BACKINGS, ADHESIVES, BASES, DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS, UNLESS NOTED OTHERWISE.
C. "CEILING" DENOTES CEILING MATERIALS INCLUDING SUSPENSION SYSTEMS ADHESIVE RESIDUES, MOLDINGS, UP TO BUT EXCLUSIVE OF STRUCTURAL MATERIALS.
D. WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 2" (MIN.) BELOW THE EXISTING FLOOR SLAB (UNLESS SETTING ON SLAB). PATCH WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING FLOOR SLAB.
E. WHEN OPENINGS ARE CUT INTO AN EXISTING WALL, THE OPENING SHALL BE A MINIMUM OF 1'-4" LONGER THAN THE FINISHED OPENING REQUIRED TO ALLOW FOR 8" (MIN) OF NEW CMU TOOTHED-IN AT EDGES.
F. AFTER THE DEMOLITION OF MATERIALS, THE RESULTING EXPOSED SURFACE SHALL BE SMOOTH AND FLUSH WITH EXISTING CONDITIONS.
G. MECHANICAL AND ELECTRICAL ITEMS THAT ARE CAPPED AND ABANDONED SHALL BE LOCATED BEHIND FINAL FINISH SYSTEMS.
H. COORDINATE THIS WORK WITH DEMOLITION WORK ON SITE, STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL.
I. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING, OR SUPPORT TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES.
J. CONTRACTOR TO FIELD VERIFY PORTIONS OR SECTIONS OF EXISTING WALLS TO BE FILLED IN AND SALVAGE NECESSARY MATERIAL.
K. MATERIALS OF DEMOLITION SHALL BE DISPOSED OF OFF-SITE UNLESS OTHERWISE DIRECTED BY OWNER.
L. OWNER TO REMOVE EXISTING FURNITURE AND MISCELLANEOUS ITEMS NOT SHOWN AND NOT TO BE DEMOLISHED. CONTRACTOR TO NOTIFY OWNER IN ADVANCE WHEN ITEMS NEED TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR OTHER ITEMS TO BE REMOVED.
M. ITEMS TO BE PATCHED. REMOVE ALL LOOSE OR DAMAGED MATERIAL. REFINISH TO LIKE NEW CONDITION, OR IF CONDITION WARRANTS REPLACE IN ENTIRETY.
N. THE OWNER SHALL RESERVE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE.
O. "TURNED OVER TO THE OWNER" DENOTES: 1) TAG AND IDENTIFY ITEMS; 2) STORE IN AN ORDERLY FASHION IN A LOCATION DESIGNATED BY THE OWNER.

DEMOLITION PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 REMOVE EXISTING CARPET FLOOR AND RESILIENT BASE
2 REMOVE EXISTING VCT FLOOR AND RESILIENT BASE
3 REMOVE EXISTING DOOR AND FRAME
4 REMOVE EXISTING MASONRY WALL
5 REMOVE EXISTING ACT CEILING
6 REMOVE EXISTING GWB CEILING/BULKHEAD
7 REMOVE EXISTING CASEWORK AS SHOWN
8 REMOVE EXISTING EQUIPMENT AS SHOWN
9 SAWCUT AND REMOVE CONCRETE SLAB AS REQUIRED FOR UNDERSLAB PLUMBING WORK
10 REMOVE PORCELAIN TILE FLOOR AND BASE
11 REMOVE RECESSED FLOOR MAT AND INFILL RECESS WITH CONCRETE FLOOR PATCH TO BE LEVEL WITH ADJACENT SLAB
12 REMOVE EXISTING STOREFRONT WINDOW, BULKHEAD ABOVE AND MASONRY WALL BELOW
13 REMOVE ALL CMT FLOOR AND BASE, AND ALL CERAMIC WALL TILE.
14 REMOVE ALL FIXTURES, TOILET PARTITIONS, AND RESTROOM ACCESSORIES
15 REMOVE DRINKING FOUNTAIN AND CMT
16 REMOVE RESILIENT SHEET FLOORING
17 PROVIDE NEW OPENING IN MASONRY WALL, SHORE AS REQUIRED FOR LINTEL INSTALLATION
18 REMOVE ALL METAL LOCKERS AND WOOD/CMU/CMT BENCH
19 REMOVE EXISTING STOREFRONT WINDOW, AND MASONRY WALL BELOW
20 REMOVE EIFS WALL/BULKHEAD IN THIS AREA
21 REMOVE INTERIOR WINDOW AND FRAME
22 REMOVE ROOF AND STRUCTURE ABOVE IN THIS AREA. COORDINATE EXTENT OF DEMOLITION WITH NEW STRUCTURAL DRAWINGS
23 REMOVE DOORS, TRANSOM AND HARDWARE. FRAME TO REMAIN
24 REMOVE SIDE FOLDING GATE IN IT'S ENTIRETY. INFILL HOLES IN MASONRY WALLS TO REMAIN WITH BRICK OR CMU TO MATCH EXISTING.
25 REMOVE OPERABLE WALL, TRACK, AND ACCESSORIES. REMOVE STEEL BEAM AND ANY COLUMNS SUPPORTING ONLY OPERABLE WALL BEAMS.
26 REMOVE ALL TACKABLE WALL SURFACES, WOOD TRIM, AND MASTIC FROM ALL CORRIDOR WALLS. REMOVE MASTIC COMPLETE AS REQUIRED VIA SCRAPING OR MECHANICAL MEANS. WALLS ARE CONCRETE MASONRY UNITS U.N.O.
27 REMOVE FIRE EXTINGUISHER CABINET AND INFILL MASONRY OPENING
28 REMOVE EXISTING GYPSUM BOARD CEILING AND FRAMING IN IT'S ENTIRETY.
29 REMOVE EXISTING DISPLAY CASE
30 REMOVE MASONRY WALL AND STOREFRONT WINDOW FRAME ABOVE
31 REMOVE GWB AND METAL STUD WALL
32 EQUIPMENT DEMOLITION TO INCLUDE REMOVAL OF ALL ADHESIVES AND MECHANICAL FASTENERS; INFILL HOLES IN CONCRETE MASONRY UNITS WITH SEALANT TO CREATE FINISHED APPEARANCE - NO NEW EQUIPMENT TO BE INSTALLED IN THIS LOCATION
33 EQUIPMENT DEMOLITION TO INCLUDE REMOVAL OF ALL TACKABLE WALL SURFACE ON FULL LENGTH OF INDICATED WALL; REMOVE ADHESIVES AND MECHANICAL FASTENERS; INFILL HOLES IN CONCRETE MASONRY UNITS WITH SEALANT TO CREATE FINISHED APPEARANCE - WHERE NEW DISPLAY BOARDS ARE NOT INDICATED, REFER TO A7 PLANS
34 REMOVE VINYL WALLCOVERING ON INDICATED WALL(S); WALL CONSTRUCTION IS GWB ON CMU. REPAIR GWB WALL WHERE VINYL-FACED TACKABLE SURFACE/EQUIPMENT WAS REMOVED AND PREPARE FOR NEW VINYL WALLCOVERING INSTALLATION.
35 REMOVE MASONRY WALL TO CREATE OPENINGS FOR NEW LOUVERS. COORDINATE OPENINGS WITH MECHANICAL AND STRUCTURE FOR SIZE AND LOCATION - SEE EXTERIOR ELEVATION. TOOTH IN SURROUNDING MASONRY OPENING AS REQUIRED TO PROVIDE NEW OPENINGS
36 REMOVE QUARRY TILE FLOOR AND BASE AND SETTING BED. INFILL SLAB RECESS WITH NEW CONCRETE SLAB, SLOPE TO DRAINS AS REQUIRED.
37 REMOVE CONCRETE TOPPING SLAB AND INSULATION FROM COOLER/FREEZER AREA. INFILL SLAB RECESS WITH NEW CONCRETE SLAB AT 4" BELOW FINISHED FLOOR. VERIFY WITH COOLER/FREEZER MANUF.
38 SAWCUT AND REMOVE CONCRETE SLAB AS REQUIRED FOR NEW FOUNDATION WORK. PATCH CONCRETE SLAB.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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CARMEL CLAY SCHOOLS

ARCHITECT

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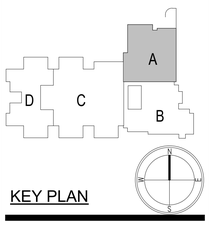

KEY PLAN

BIDS

PROJECT MANAGER: SAM

DRAWN BY: TPV

PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2.23.2024
2	ADDENDUM #2	3.4.2024

UNIT A DEMOLITION PLAN

AD0.01

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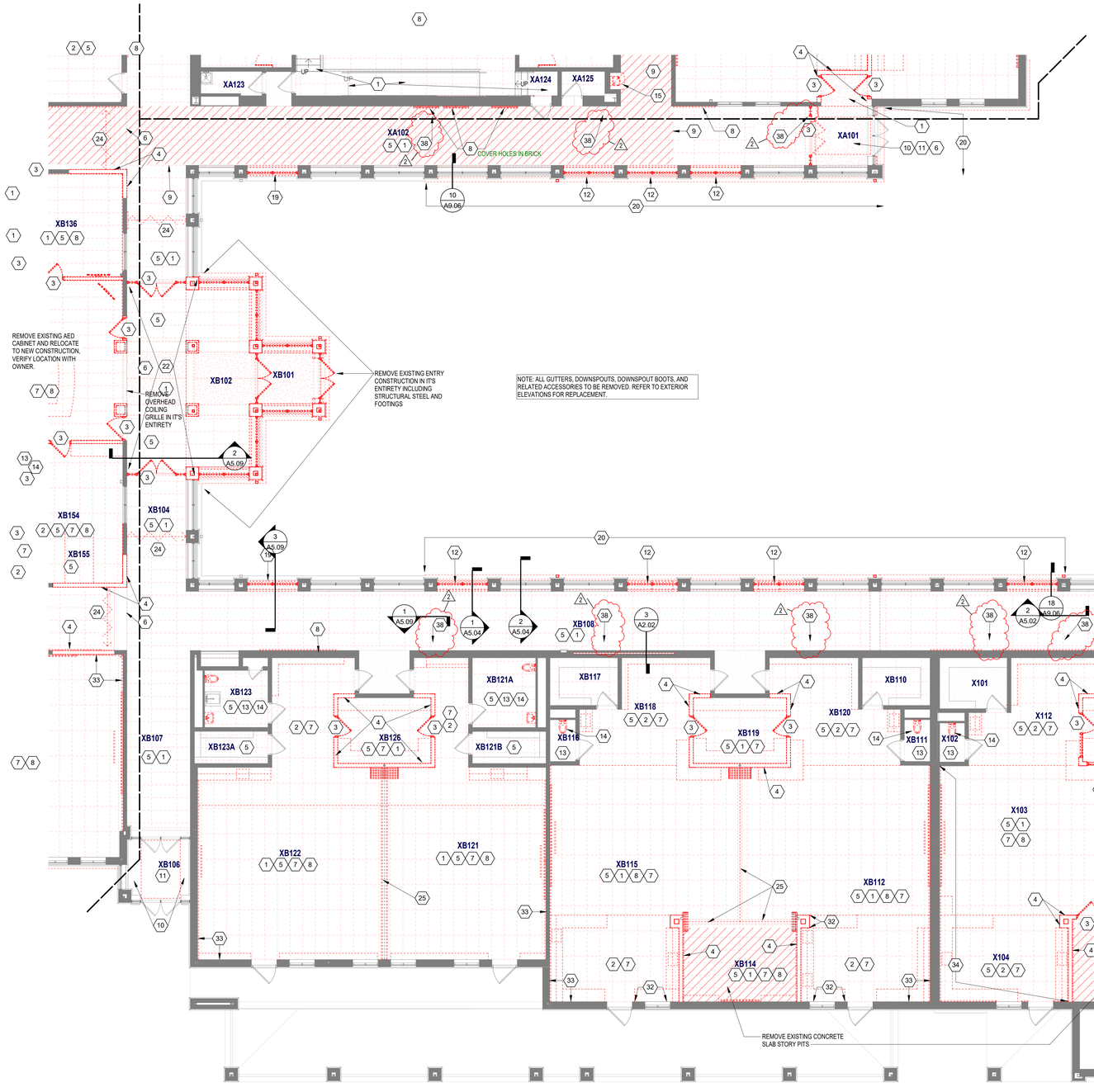

UNIT B DEMOLITION PLAN

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

ARCHITECTURAL DEMOLITION GENERAL NOTES

A. DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. CONTRACTOR IS TO VERIFY THEIR WORK IN THE FIELD WITH THE DEMOLITION DRAWINGS, NEW CONSTRUCTION DRAWINGS, AND THE EXISTING IN-FIELD CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT.
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E. WHEN OPENINGS ARE CUT INTO AN EXISTING WALL, THE OPENING SHALL BE A MINIMUM OF 1'-4" LONGER THAN THE FINISHED OPENING REQUIRED TO ALLOW FOR 8" (MIN) OF NEW CMU TOOTHED-IN AT EDGES.
F. AFTER THE DEMOLITION OF MATERIALS, THE RESULTING EXPOSED SURFACE SHALL BE SMOOTH AND FLUSH WITH EXISTING CONDITIONS.
G. MECHANICAL AND ELECTRICAL ITEMS THAT ARE CAPPED AND ABANDONED SHALL BE LOCATED BEHIND FINAL FINISH SYSTEMS.
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DEMOLITION PLAN NOTES

(X)

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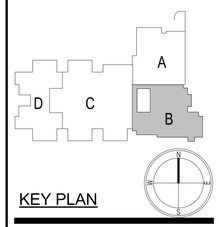
350 E. NEW YORK ST, INDIANAPOLIS IN 46204



KEY PLAN

BIDS

PAUL A. MILLER REGISTERED No. 12300161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: SAM

DRAWN BY: TPV

PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	3.4.2024

UNIT B DEMOLITION PLAN

AD0.02

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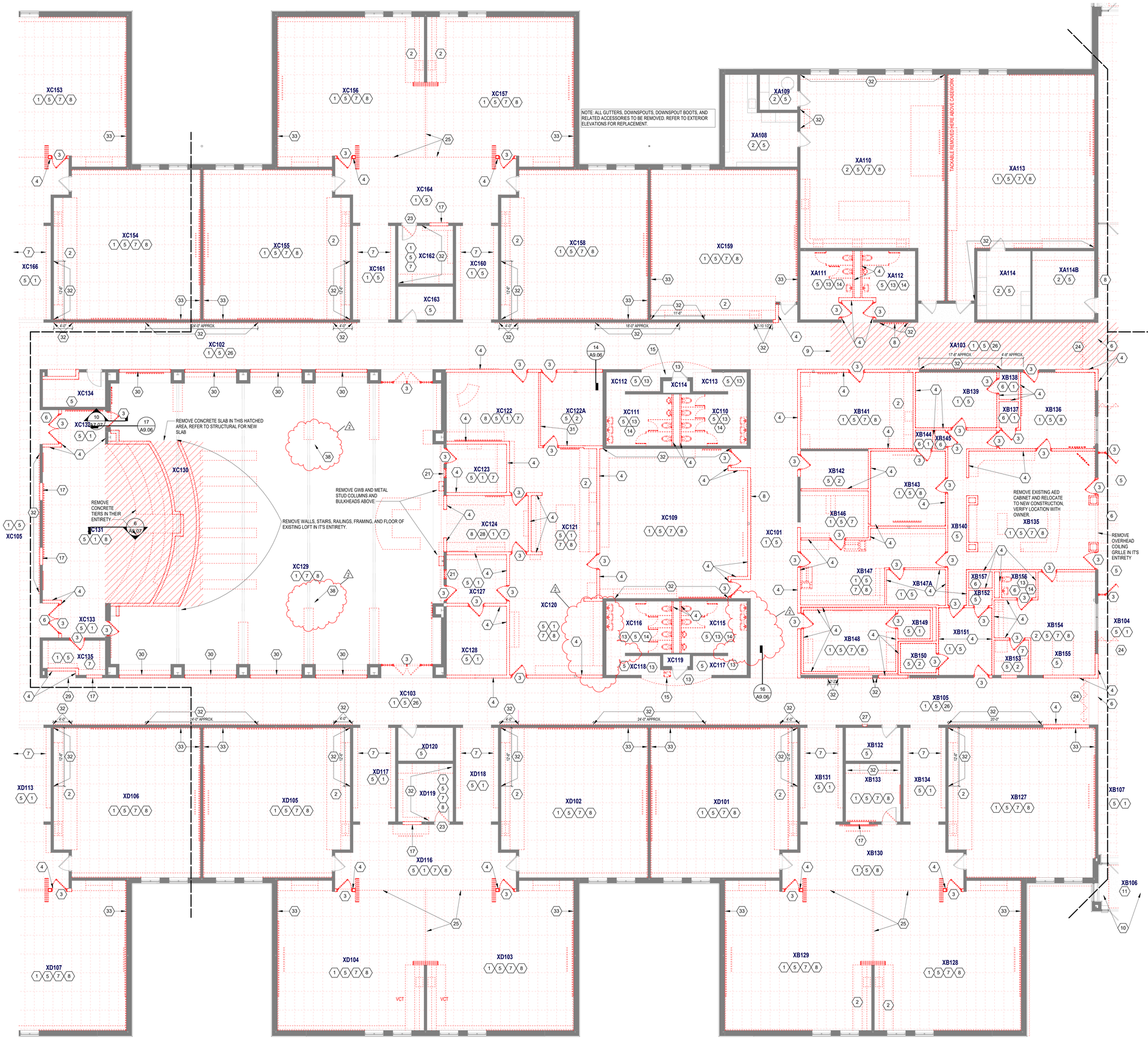

UNIT C DEMOLITION PLAN

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

ARCHITECTURAL DEMOLITION GENERAL NOTES

A. DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. CONTRACTOR IS TO VERIFY THEIR WORK IN THE FIELD WITH THE DEMOLITION DRAWINGS, NEW CONSTRUCTION DRAWINGS, AND THE EXISTING IN-FIELD CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT.
B. "FLOORING" DENOTES FLOOR COVERING MATERIALS INCLUDING BACKINGS, ADHESIVES, BASES, DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS, UNLESS NOTED OTHERWISE.
C. "CEILING" DENOTES CEILING MATERIALS INCLUDING SUSPENSION SYSTEMS ADHESIVE RESIDUES, MOLDINGS, UP TO BUT EXCLUSIVE OF STRUCTURAL MATERIALS.
D. WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 2" (MIN.) BELOW THE EXISTING FLOOR SLAB (UNLESS SETTING ON SLAB). PATCH WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING FLOOR SLAB.
E. WHEN OPENINGS ARE CUT INTO AN EXISTING WALL, THE OPENING SHALL BE A MINIMUM OF 1'-4" LONGER THAN THE FINISHED OPENING REQUIRED TO ALLOW FOR 8" (MIN) OF NEW CMU TOOTHED-IN AT EDGES.
F. AFTER THE DEMOLITION OF MATERIALS, THE RESULTING EXPOSED SURFACE SHALL BE SMOOTH AND FLUSH WITH EXISTING CONDITIONS.
G. MECHANICAL AND ELECTRICAL ITEMS THAT ARE CAPPED AND ABANDONED SHALL BE LOCATED BEHIND FINAL FINISH SYSTEMS.
H. COORDINATE THIS WORK WITH DEMOLITION WORK ON SITE, STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL.
I. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING, OR SUPPORT TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES.
J. CONTRACTOR TO FIELD VERIFY PORTIONS OR SECTIONS OF EXISTING WALLS TO BE FILLED IN AND SALVAGE NECESSARY MATERIAL.
K. MATERIALS OF DEMOLITION SHALL BE DISPOSED OF OFF-SITE UNLESS OTHERWISE DIRECTED BY OWNER.
L. OWNER TO REMOVE EXISTING FURNITURE AND MISCELLANEOUS ITEMS NOT SHOWN AND NOT TO BE DEMOLISHED. CONTRACTOR TO NOTIFY OWNER IN ADVANCE WHEN ITEMS NEED TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR OTHER ITEMS TO BE REMOVED.
M. ITEMS TO BE PATCHED. REMOVE ALL LOOSE OR DAMAGED MATERIAL. REFINISH TO LIKE NEW CONDITION, OR IF CONDITION WARRANTS REPLACE IN ENTIRETY.
N. THE OWNER SHALL RESERVE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE.
O. "TURNED OVER TO THE OWNER" DENOTES: 1) TAG AND IDENTIFY ITEMS: 2) STORE IN AN ORDERLY FASHION IN A LOCATION DESIGNATED BY THE OWNER.

DEMOLITION PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 REMOVE EXISTING CARPET FLOOR AND RESILIENT BASE
2 REMOVE EXISTING VCT FLOOR AND RESILIENT BASE
3 REMOVE EXISTING DOOR AND FRAME
4 REMOVE EXISTING MASONRY WALL
5 REMOVE EXISTING ACT CEILING
6 REMOVE EXISTING GWB CEILING/BULKHEAD
7 REMOVE EXISTING CASEWORK AS SHOWN
8 REMOVE EXISTING EQUIPMENT AS SHOWN
9 SAWCUT AND REMOVE CONCRETE SLAB AS REQUIRED FOR UNDERSLAB PLUMBING WORK
10 REMOVE PORCELAIN TILE FLOOR AND BASE
11 REMOVE RECESSED FLOOR MAT AND INFILL RECESS WITH CONCRETE FLOOR PATCH TO BE LEVEL WITH ADJACENT SLAB
12 REMOVE EXISTING STOREFRONT WINDOW, BULKHEAD ABOVE AND MASONRY WALL BELOW
13 REMOVE ALL CMT FLOOR AND BASE, AND ALL CERAMIC WALL TILE.
14 REMOVE ALL FIXTURES, TOILET PARTITIONS, AND RESTROOM ACCESSORIES
15 REMOVE DRINKING FOUNTAIN AND CMT
16 REMOVE RESILIENT SHEET FLOORING
17 PROVIDE NEW OPENING IN MASONRY WALL, SHORE AS REQUIRED FOR LINTEL INSTALLATION
18 REMOVE ALL LOCKERS AND WOOD/CMU/CMT BENCH
19 REMOVE EXISTING STOREFRONT WINDOW, AND MASONRY WALL BELOW
20 REMOVE EIFS WALL/BULKHEAD IN THIS AREA
21 REMOVE INTERIOR WINDOW AND FRAME
22 REMOVE ROOF AND STRUCTURE ABOVE IN THIS AREA. COORDINATE EXTENT OF DEMOLITION WITH NEW STRUCTURAL DRAWINGS
23 REMOVE DOORS, TRANSOM AND HARDWARE. FRAME TO REMAIN
24 REMOVE SIDE FOLDING GATE IN IT'S ENTIRETY. INFILL HOLES IN MASONRY WALLS TO REMAIN WITH BRICK OR CMU TO MATCH EXISTING.
25 REMOVE OPERABLE WALL, TRACK, AND ACCESSORIES. REMOVE STEEL BEAM AND ANY COLUMNS SUPPORTING ONLY OPERABLE WALL BEAMS.
26 REMOVE ALL TACKABLE WALL SURFACES, WOOD TRIM, AND MASTIC FROM ALL CORRIDOR WALLS. REMOVE MASTIC COMPLETE AS REQUIRED VIA SCRAPING OR MECHANICAL MEANS. WALLS ARE CONCRETE MASONRY UNITS U.N.O.
27 REMOVE FIRE EXTINGUISHER CABINET AND INFILL MASONRY OPENING
28 REMOVE EXISTING GYPSUM BOARD CEILING AND FRAMING IN IT'S ENTIRETY.
29 REMOVE EXISTING DISPLAY CASE
30 REMOVE MASONRY WALL AND STOREFRONT WINDOW FRAME ABOVE
31 REMOVE GWB AND METAL STUD WALL
32 EQUIPMENT DEMOLITION TO INCLUDE REMOVAL OF ALL ADHESIVES AND MECHANICAL FASTENERS; INFILL HOLES IN CONCRETE MASONRY UNITS WITH SEALANT TO CREATE FINISHED APPEARANCE - NO NEW EQUIPMENT TO BE INSTALLED IN THIS LOCATION
33 EQUIPMENT DEMOLITION TO INCLUDE REMOVAL OF ALL TACKABLE WALL SURFACE ON FULL LENGTH OF INDICATED WALL; REMOVE ADHESIVES AND MECHANICAL FASTENERS; INFILL HOLES IN CONCRETE MASONRY UNITS WITH SEALANT TO CREATE FINISHED APPEARANCE - WHERE NEW DISPLAY BOARDS ARE NOT INDICATED, REFER TO A7 PLANS
34 REMOVE VINYL WALLCOVERING ON INDICATED WALL(S); WALL CONSTRUCTION IS GWB ON CMU. REPAIR GWB WALL WHERE VINYL-FACED TACKABLE SURFACE/EQUIPMENT WAS REMOVED AND PREPARE FOR NEW VINYL WALLCOVERING INSTALLATION.
35 REMOVE MASONRY WALL TO CREATE OPENINGS FOR NEW LOUVERS. COORDINATE OPENINGS WITH MECHANICAL AND STRUCTURE FOR SIZE AND LOCATION - SEE EXTERIOR ELEVATION. TOOTH IN SURROUNDING MASONRY OPENING AS REQUIRED TO PROVIDE NEW OPENINGS
36 REMOVE QUARRY TILE FLOOR AND BASE AND SETTING BED. INFILL SLAB RECESS WITH NEW CONCRETE SLAB; SLOPE TO DRAINS AS REQUIRED.
37 REMOVE CONCRETE TOPPING SLAB AND INSULATION FROM COOLER/FREEZER AREA. INFILL SLAB RECESS WITH NEW CONCRETE SLAB AT 4" BELOW FINISHED FLOOR. VERIFY WITH COOLER/FREEZER MANUF.
38 SAWCUT AND REMOVE CONCRETE SLAB AS REQUIRED FOR NEW FOUNDATION WORK. PATCH CONCRETE SLAB.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

CARMEL CLAY SCHOOLS

ARCHITECT

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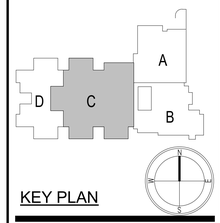
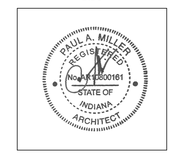


KEY PLAN

BIDS



PROJECT MANAGER: SAM

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REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	3.4.2024

UNIT C DEMOLITION PLAN

AD0.03

ROOM LEGEND - UNIT A

ROOM NO.	ROOM NAME	AREA (SF)
A101	CORRIDOR	217 SF
A102	CORRIDOR	416 SF
A103	CORRIDOR	361 SF
A104	RECEIVING	350 SF
A105	CORRIDOR	262 SF
A106	CORRIDOR	522 SF
A107	VESTIBULE	151 SF
A108	CLASSROOM 34 - F.A.P.	728 SF
A109	SMALL GROUP	213 SF
A110	SENSORY	139 SF
A111	RESTROOM	109 SF
A112	WOMEN	112 SF
A113	MEN	109 SF
A114	IDF	29 SF
A115	CUST.	35 SF
A116	BOYS	103 SF
A117	GIRLS	105 SF
A118	STAGE	900 SF
A119	CAFETORIUM	2,305 SF
A120	GYMNASIUM	4,395 SF
A121	STORAGE	344 SF
A122	P.E. OFFICE	161 SF
A123	PARKS OFFICE	203 SF
A124	FAMILY RR	66 SF
A125	STORAGE	217 SF
A126	OUTDOOR STORAGE	470 SF
A127	ELECTRICAL	197 SF
A128	BOILER ROOM	2,306 SF
A129	CUST. OFFICE	80 SF
A130	CUST. BREAKRM	216 SF
A131	TOILET	41 SF
A132	DRESSING	49 SF
A133	OFFICE	110 SF
A134	DRY GOODS	344 SF
A135	COOLER	235 SF
A136	FREEZER	235 SF
A137	KITCHEN	1,480 SF
A138	LAUNDRY	80 SF
A139	CUST.	80 SF
A140	BREAKROOM	128 SF
A141	DISHWASHING	248 SF

ROOM LEGEND - UNIT B

ROOM NO.	ROOM NAME	AREA (SF)
B101	VESTIBULE	216 SF
B102	CORRIDOR	1,194 SF
B103	CORRIDOR	625 SF
B104	CORRIDOR	290 SF
B105	VESTIBULE	95 SF
B106	CORRIDOR	1,738 SF
B107	VESTIBULE	89 SF
B108	SECURE VESTIBULE	253 SF
B109	RECEPTION	901 SF
B110	SRO OFFICE	189 SF
B111	LARGE CONFERENCE	477 SF
B112	MOTHERS	91 SF
B113	TEST STOR/ QUIET SPACE	65 SF
B114	SPEECH/HEARING	206 SF
B115	OT/PT OFFICE	272 SF
B116	SOCIAL WORKER	235 SF
B117	PSYCHOLOGIST	191 SF
B118	INST COACH OFFICE	123 SF
B119	CORRIDOR	343 SF
B120	CORRIDOR	248 SF
B121	WORKROOM	418 SF
B122	MEZZANINE	43 SF
B123	IDF	62 SF
B124	ELEC	53 SF
B125	RR	58 SF
B126	CALM	44 SF
B127	STORAGE	100 SF
B128	CORRIDOR	261 SF
B129	PRINCIPAL'S OFFICE	332 SF
B130	SMALL CONFERENCE	183 SF
B131	ASST PRINCIPAL'S OFFICE	262 SF
B132	E.C. SPEECH	174 SF
B133	RR	63 SF
B134	EXAM	84 SF
B135	CLINIC	315 SF
B136	KINDER - CR 1	1,327 SF
B137	STORAGE	80 SF
B138	TOILET	26 SF
B139	SMALL GROUP	234 SF
B140	KINDER - CR 2	1,321 SF
B141	TOILET	24 SF
B142	STORAGE	86 SF
B143	KINDER - CR 3	1,329 SF
B144	STORAGE	80 SF
B145	TOILET	27 SF
B146	KINDER - CR 4	1,327 SF
B147	TOILET	27 SF
B148	STORAGE	80 SF
B149	EARLY CHILD - CR 5	963 SF
B150	RESTROOM	110 SF
B151	STORAGE	59 SF
B152	EARLY CHILD - CR 6	1,161 SF
B153	STORAGE	59 SF
B154	RESTROOM	90 SF
B155	SMALL GROUP	234 SF
B156	MECH	149 SF
B201	MECH. MEZZ.	389 SF

ROOM LEGEND - UNIT C.

ROOM NO.	ROOM NAME	AREA (SF)
C101	CORRIDOR	2,434 SF
C102	CORRIDOR	2,035 SF
C103	TV STUDIO	194 SF
C104	CLASSROOM 33 - MUSIC	1,227 SF
C105	STORAGE	167 SF
C106	CLASSROOM 32 - ART	1,192 SF
C107	KILN	60 SF
C108	STORAGE	235 SF
C109	MEN	151 SF
C110	WOMEN	148 SF
C111	CLASSROOM 31 - 5TH	982 SF
C112	CLASSROOM 29 - 5TH	878 SF
C113	CLASSROOM 30 - 5TH	981 SF
C114	COMMONS	648 SF
C115	SMALL GROUP	145 SF
C116	CUBBIES	189 SF
C117	IDF/ELEC	82 SF
C118	CUBBIES	189 SF
C119	CLASSROOM 27 - 5TH	981 SF
C120	CLASSROOM 28 - 5TH	878 SF
C121	LARGE GROUP INSTRUCTION	1,990 SF
C122	LGI STORAGE	143 SF
C123	RESOURCE / IA OFFICES	333 SF
C124	RR	63 SF
C125	RR	61 SF
C126	IT OFFICE/ MDF	278 SF
C127	BHVL THERAPIST	135 SF
C128	MLL/ INTERVENTION	214 SF
C129	ST.V THERAPIST	213 SF
C130	CALM	69 SF
C131	STAFF LOUNGE	683 SF
C132	CORRIDOR	451 SF
C133	GIRLS	195 SF
C134	CUST.	14 SF
C135	BOYS	196 SF
C136	STEAM LAB	1,657 SF
C137	DISCOVERY CENTER	2,676 SF

ROOM LEGEND - UNIT C.

ROOM NO.	ROOM NAME	AREA (SF)
C138	RR	87 SF
C139	PTO STORAGE	181 SF
C140	TEACHING AREA	312 SF
C141	DISC CTR STOR	180 SF
C142	RR	86 SF
C143	KINDER - CR 35	1,160 SF
C144	STORAGE	90 SF
C145	RR	65 SF
C146	GIRLS	196 SF
C147	CUST.	15 SF
C148	BOYS	196 SF
C149	EARLY CHILD - CR 36	1,119 SF
C150	RR	73 SF
C151	STORAGE	62 SF
C152	SENSORY	131 SF
C153	SHARED STORAGE	120 SF
C154	CLASSROOM 7 - 1ST	980 SF
C155	CLASSROOM 8 - 1ST	877 SF
C156	COMMONS	649 SF
C157	SMALL GROUP	145 SF
C158	CUBBIES	188 SF
C159	ELEC/STOR	83 SF
C160	CUBBIES	189 SF
C161	CLASSROOM 9 - 1ST	877 SF
C162	CLASSROOM 10 - 1ST	982 SF
C163	CLASSROOM 11 - 2ND	982 SF
C164	CLASSROOM 12 - 2ND	878 SF
C165	COMMONS	649 SF
C166	SMALL GROUP	145 SF
C167	CUBBIES	189 SF
C168	ELEC/STOR	83 SF
C169	CUBBIES	189 SF
C170	CLASSROOM 13 - 2ND	877 SF
C171	CLASSROOM 14 - 2ND	982 SF

ROOM LEGEND - UNIT D

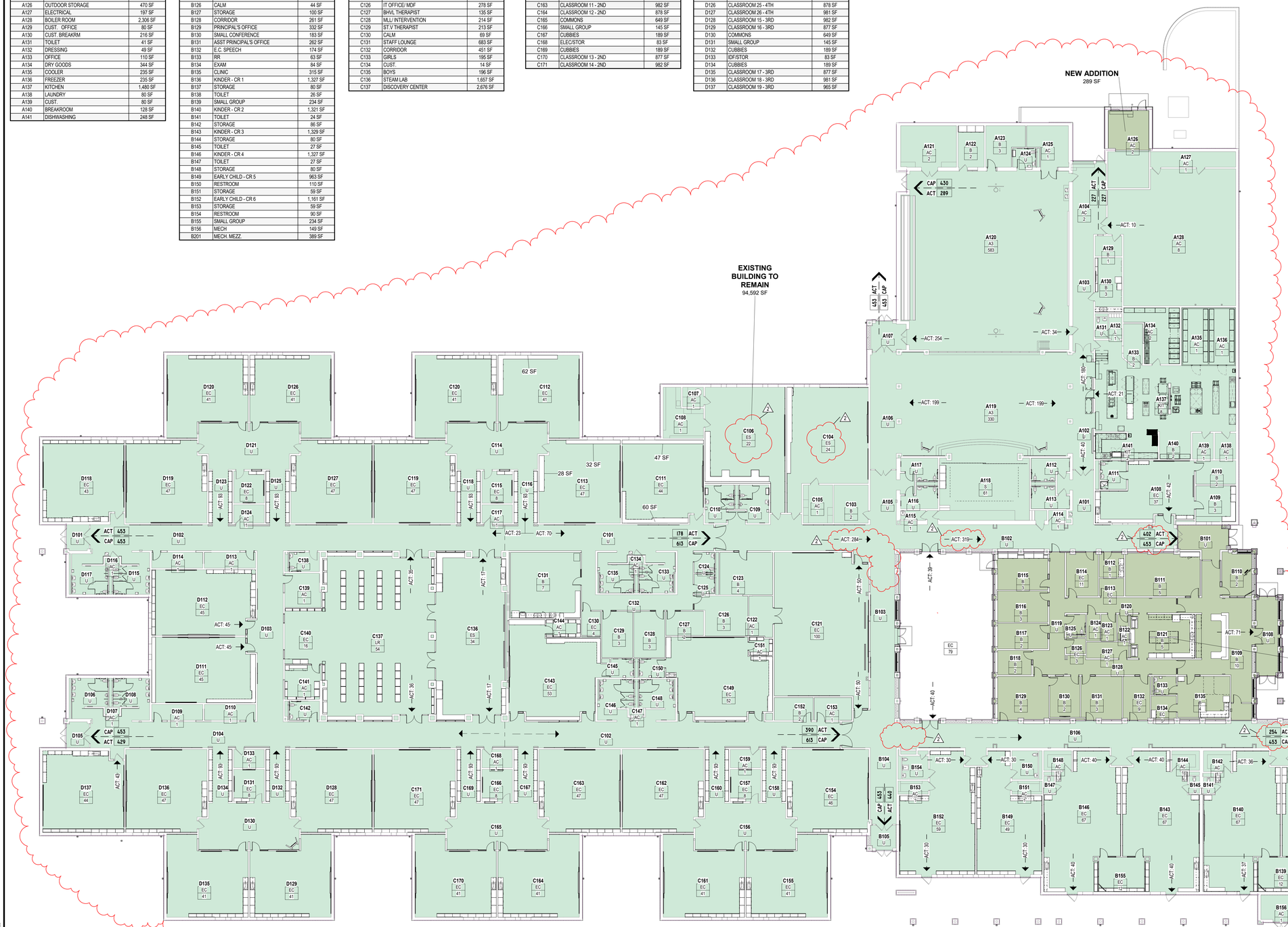
ROOM NO.	ROOM NAME	AREA (SF)
D101	VESTIBULE	86 SF
D102	CORRIDOR	786 SF
D103	CORRIDOR	708 SF
D104	CORRIDOR	1,132 SF
D105	VESTIBULE	87 SF
D106	BOYS	226 SF
D107	CUST.	15 SF
D108	GIRLS	203 SF
D109	SHARED STORAGE	119 SF
D110	SHARED STORAGE	119 SF
D111	CLASSROOM 20 - 1ST	989 SF
D112	CLASSROOM 21 - 2ND	989 SF
D113	SHARED STORAGE	120 SF
D114	SHARED STORAGE	119 SF
D115	GIRLS	204 SF
D116	CUST.	15 SF
D117	BOYS	205 SF
D118	CLASSROOM 22 - 4TH	965 SF
D119	CLASSROOM 23 - 4TH	981 SF
D120	CLASSROOM 24 - 4TH	878 SF
D121	COMMONS	648 SF
D122	SMALL GROUP	145 SF
D123	CUBBIES	189 SF
D124	STORAGE	83 SF
D125	CUBBIES	189 SF
D126	CLASSROOM 25 - 4TH	878 SF
D127	CLASSROOM 26 - 4TH	981 SF
D128	CLASSROOM 15 - 3RD	982 SF
D129	CLASSROOM 16 - 3RD	877 SF
D130	COMMONS	649 SF
D131	SMALL GROUP	145 SF
D132	CUBBIES	189 SF
D133	IDF/STOR	83 SF
D134	CUBBIES	189 SF
D135	CLASSROOM 17 - 3RD	877 SF
D136	CLASSROOM 18 - 3RD	981 SF
D137	CLASSROOM 19 - 3RD	965 SF

PLUMBING FIXTURE COUNTS

USER GROUP	NUMBER OF USERS	USER PER GENDER	WATER CLOSETS		LAVATORIES		DRINKING FTNS.	
			REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
EDUCATIONAL (E)	715	358 M.	1/50 = 8	5 W.C. 9 URNL.	1/50 = 8	13	1/100 = 8	6*
		358 F.	1/50 = 8	13 W.C.	1/50 = 8	13		
STAFF(B)	100	33 M.	2	2 W.C. 1 URNL.	1	2	1/100 = 1	1
		67 F.	3	4 W.C.	2	3		

BUILDING DESIGNED FOR 715 STUDENTS AND 100 STAFF

10 UNISEX RESTROOMS LOCATED IN STUDENT AREAS AND NOT INCLUDED IN COUNT
8 UNISEX RESTROOMS LOCATED OFF PUBLIC CORRIDORS AND NOT INCLUDED IN COUNT
2 UNISEX RESTROOMS LOCATED IN ADMIN AREA / KITCHEN AND NOT INCLUDED IN COUNT
* = CLASSROOM SINKS PROVIDED WITH BUBBLERS, NOT INCLUDED IN COUNT
ONE FAMILY TOILET REQUIRED - ONE PROVIDED.



FIRST FLOOR OVERALL CODE PLAN

SCALE: 1/16" = 1'-0"

BUILDING CODE INFORMATION

1. BUILDING DESCRIPTION: ADDITION/RENOVATION PRE-K-5 SCHOOL

2. APPLICABLE CODE:
2012 INTERNATIONAL BUILDING CODE - INDIANA BUILDING CODE, 2014 EDITION (675 IAC 13-2.6)
2012 INTERNATIONAL FIRE CODE - INDIANA FIRE CODE, 2014 EDITION (675 IAC 22-2)
2012 INTERNATIONAL MECHANICAL CODE - INDIANA MECHANICAL CODE, 2014 EDITION (675 IAC 18-1.6)
2012 INTERNATIONAL PLUMBING CODE - INDIANA PLUMBING CODE, 2012 EDITION (675 IAC 16-1.4)
2012 INTERNATIONAL ELECTRICAL CODE - INDIANA ELECTRICAL CODE, 2009 EDITION [NFPA 70-2008] (675 IAC 17-1.8)
INDIANA ENERGY CONSERVATION CODE, 2010 [ASHRAE 90.1, 2007 AMENDED] (672 IAC 19-4)
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

3. BUILDING AREA AND HEIGHT

A. OCCUPANCY/USE GROUP: A2, CAFETERIA / COMMONS
A3, GYMNASIUM
B, ADMINISTRATION
E NON SEPARATED USES (302.1)

B. CONSTRUCTION TYPE: 11B (601)

C. AREA LIMITATION: UNLIMITED
1. ACTUAL AREA:

EXISTING BUILDING TO REMAIN	94,592 SF
NEW ADDITION	7,079 SF
NEW ADDITION	289 SF
NEW MEZZANINE	442 SF
GRAND TOTAL	102,402 SF

D. HEIGHT LIMITATION: 4 STORY, 55'-0" (TABLE 503)
1. HEIGHT MODIFICATIONS: 5 STORY, 75'-0" (504.2)
2. ACTUAL HEIGHT: 2 STORY, 31'-0"

4. USE AND OCCUPANCY CLASSIFICATION INDIANA BUILDING CODE CHAPTER 3:
E - EDUCATION, B - BUSINESS, A2/A3 - ASSEMBLY

INCIDENTAL USE AREAS INDIANA BUILDING CODE SECTION AND TABLE 508.2

SMOKE PARTITION & AUTO SPRINKLER SYSTEM

ACCESSORY USE AREAS INDIANA BUILDING CODE SECTION 508.3.1.

ACCESSORY OCCUPANCIES ARE THOSE OCCUPANCIES SUBSIDIARY TO THE MAIN OCCUPANCY OF THE BUILDING OR PORTION THEREOF. AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10% OF THE AREA OF THE STORY IN TABLE 503 WITHOUT HEIGHT AND AREA INCREASES IN ACCORDANCE WITH SECTIONS 504 AND 506 FOR SUCH ACCESSORY OCCUPANCIES (2012 INTERNATIONAL BUILDING CODE)

AREA LIMITATION INDIANA BUILDING CODE SECTION 503

5. TYPE OF CONSTRUCTION INDIANA BUILDING CODE CHAPTER 6 (SEE TABLE)

TYPE 11B

FIRE SEPARATION DISTANCES INDIANA BUILDING CODE TABLE 602:

REFER TO THE SITE PLAN DRAWINGS FOR LOCATION OF BUILDING(S) ON SITE; DISTANCES TO CLOSEST INTERIOR LOT LINES; TO THE CENTER OF A STREET, ALLEY OR PUBLIC WAY.

6. FIRE RESISTANCE RATED CONSTRUCTION INDIANA BUILDING CODE CHAPTER 7:

CEILING AND FLOOR OPENINGS THROUGH NON-FIRE-RESISTANCE-RATED ASSEMBLIES SHALL BE PROVIDED WITH FIREBLOCKING PER PROJECT MANUAL.

7. INTERIOR FINISHES TO COMPLY WITH INDIANA BUILDING CODE CHAPTER 8

8. FIRE PROTECTION SYSTEMS INDIANA BUILDING CODE CHAPTER 9:

THE ENTIRE BUILDING SHALL BE PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM. REFER TO FIRE PROTECTION DRAWINGS.

9. MEANS OF EGRESS INDIANA BUILDING CODE CHAPTER 10:

THE MEANS OF EGRESS REQUIREMENTS SHALL BE DETERMINED BY THE ACTUAL OR COMPUTED NUMBER OF OCCUPANTS WHICHEVER IS THE LARGEST NUMBER. REFER TO THE CODE PLANS FOR ROOM OCCUPANT LOADS. AREAS OR ROOMS WITH 50 OR MORE OCCUPANTS SHALL BE PROVIDED WITH TWO OR MORE MEANS OF EGRESS; 500 OR MORE OCCUPANTS SHALL BE PROVIDED WITH THREE OR MORE MEANS OF EGRESS; AND 1000 OR MORE OCCUPANTS SHALL BE PROVIDED WITH FOUR OR MORE MEANS OF EGRESS.

10. STRUCTURAL DESIGN LOADS:

REFER TO STRUCTURAL DRAWINGS FOR CODE REQUIREMENTS

BUILDING DESIGNED FOR:
715 STUDENTS AND 100 STAFF

45 — CALCULATED MAXIMUM OCCUPANT LOAD

CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

CARMEL CLAY SCHOOLS

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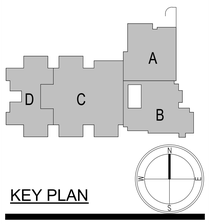

KEY PLAN

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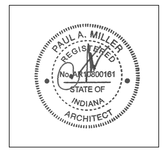

PROJECT MANAGER: SAM

DRAWN BY: TPV

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REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2.23.2024
2	ADDENDUM #2	3.4.2024

FIRST FLOOR CODE PLAN

A0.01

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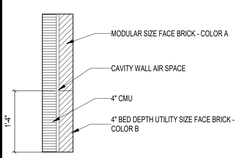

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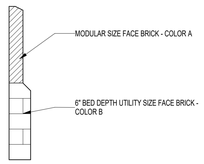

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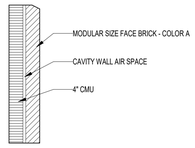

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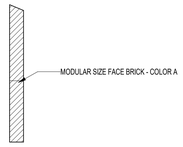

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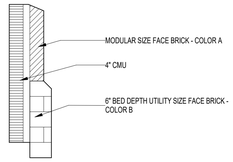

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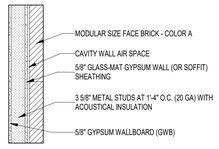

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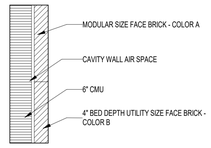

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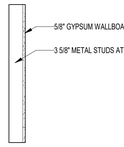

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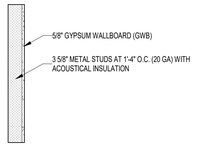

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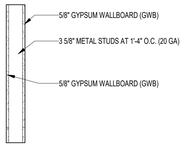

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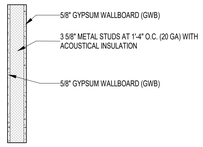

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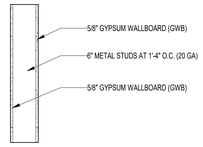

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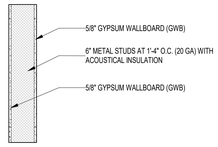

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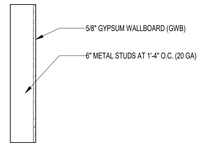

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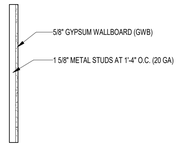

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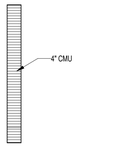

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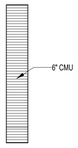

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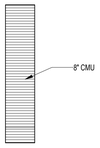

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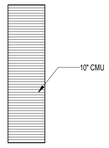

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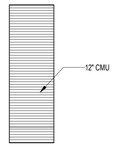

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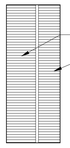
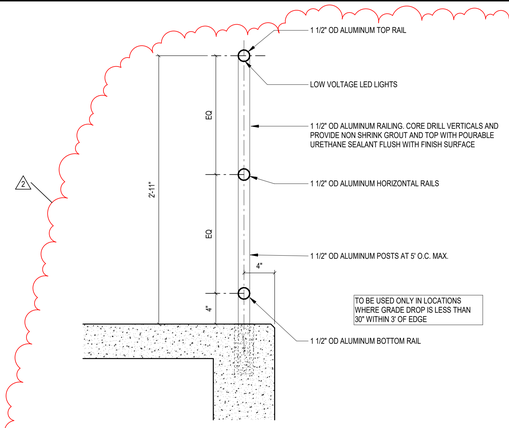


W28

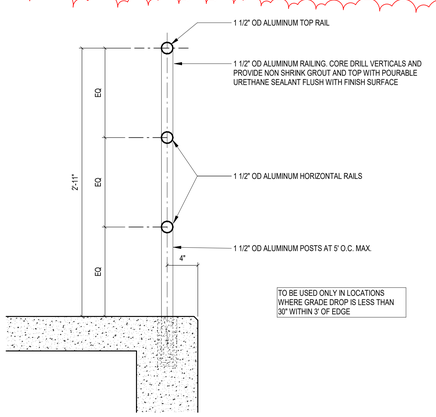
WALLTYPE LEGEND

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



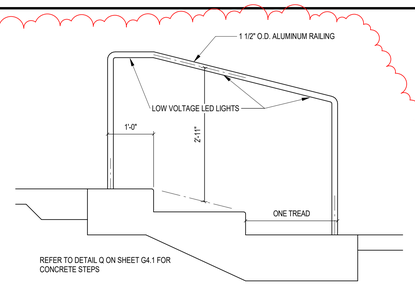
3 EXTERIOR RAMP RAILING SECTION

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



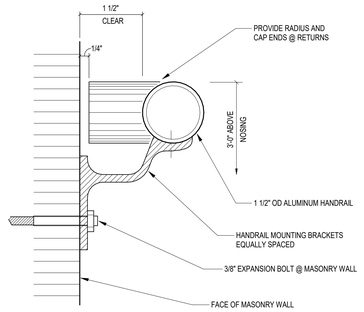
2 EXTERIOR RAILING SECTION -NON-ILLUMINATED

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



1 ILLUMINATED HANDRAIL ELEVATION

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



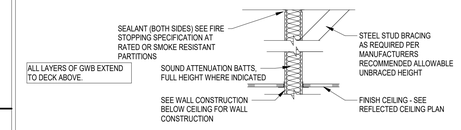
5 EXTERIOR WALL MOUNTED HANDRAIL

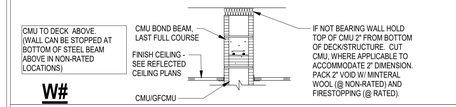
SCALE: 1 1/2" = 1'-0"

WALL CONSTRUCTION ABOVE CEILING

NOTES: ALL WALLTYPES WITHOUT AN ABOVE CEILING LETTER SHALL EXTEND TO ROOF OR FLOOR DECK ABOVE IN THEIR ENTIRETY.

AN (*) AFTER THE WALLTYPE NUMBER INDICATES WALL TO BE GROUTED SOLID FOR SOUND DEADENING PURPOSES. REFER TO STRUCTURAL DRAWINGS FOR OTHER GROUTING AND REINFORCING REQUIREMENTS.





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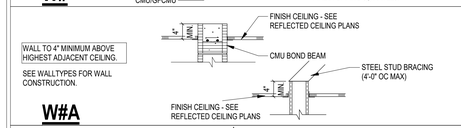

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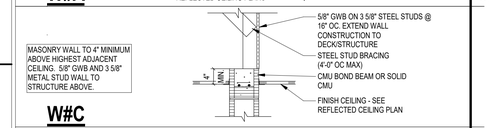

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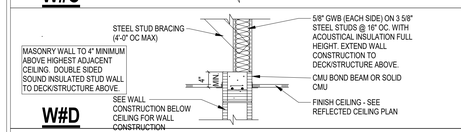

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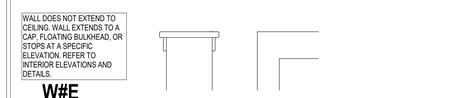

W#E

W1A

WALL TYPE GENERAL NOTES

1. WALL TYPE AS SHOWN "1" REFERS TO WALL CONSTRUCTION BELOW CEILING, "A" REFERS TO WALL CONSTRUCTION ABOVE CEILING
2. REFER TO INTERIOR FINISH PLANS AND LIST OF FINISHES FOR WALL FINISHES.
3. REFER TO STRUCTURAL DRAWINGS FOR HORIZONTAL AND VERTICAL REINFORCING AT MASONRY WALLS.
4. PROVIDE DEEP LEG TRACK AT ALL STEEL STUDS THAT EXTEND TO DECK/STRUCTURE ABOVE (UNO).
5. PACK VOIDS AT NON-RATED WALLS W/ MINERAL WOOL.
6. PROVIDE SOUND ATTENUATION BLANKETS AT WALLS THAT REQUIRE ACOUSTICAL INSULATION OR SOUND RATED CONSTRUCTION.
7. REFER TO GYPSUM WALLBOARD SCHEDULE FOR LOCATIONS WHERE ABUSE RESISTANT GYPSUM BOARD, MOISTURE RESISTANT GYPSUM BOARD, WATER RESISTANT BACKER BOARD, AND CEMENTITIOUS BACKER BOARD ARE REQUIRED.

GYPSUM WALLBOARD SCHEDULE

LOCATION	TYPE	MOISTURE-AND-MOLD-RESISTANT GYPSUM BOARD (MGWB)	ABUSE RESISTANT AND MOISTURE-AND-MOLD-RESISTANT GYPSUM BOARD (ARGB) TO 8'-0" AFF MOISTURE-AND-RESISTANT GYPSUM BOARD ABOVE 8'-0" AFF	IMPACT RESISTANT AND MOISTURE-AND-MOLD-RESISTANT GYPSUM BOARD (IRGB) TO 8'-0" AFF MOISTURE-AND-RESISTANT GYPSUM BOARD ABOVE 8'-0" AFF	GLASS-MAT WATER RESISTANT TILE BACKING BOARD BEHIND AREAS TO RECEIVE TILE	CEMENTITIOUS BACKING BOARD BEHIND AREAS TO RECEIVE TILE ("WET WALLS")	ACOUSTICALLY ENHANCED GYPSUM BOARD (AEGB)
STAFF OFFICES, STAFF HALLWAYS, WORKROOMS, RECEPTION AND WAITING AREAS, CLINIC AND COUNSELING		●					
STAFF AND SINGLE STALL RESTROOMS (EXCEPT WET WALLS THAT RECEIVE TILE)		●			●	●	
LOBBIES, COMMONS, VESTIBULES, CORRIDORS, STAIRWELLS AND HALLWAYS			●		●		
MECHANICAL, ELECTRICAL, DATA, CUSTODIAL AND STORAGE ROOMS		●					
BULKHEADS AND CEILINGS		●					

NOTES:
1. WET WALLS: WALLS WITH PLUMBING FIXTURES MOUNTED ON THEM AND WALLS IN SHOWER OR SIMILAR AREAS THAT WILL BE INTERMITTENTLY WET.
2. REFER TO INTERIOR DRAWINGS FOR LOCATIONS DIRECTED TO RECEIVE TILE.

CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

CARMEL CLAY SCHOOLS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

350 E. NEW YORK ST, INDIANAPOLIS IN 46204

BIDS

PAUL A. MILLER REGISTERED No. A 12300161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: SAM

DRAWN BY: TPV

PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	3.4.2024

WALL TYPES AND DETAILS

A1.06

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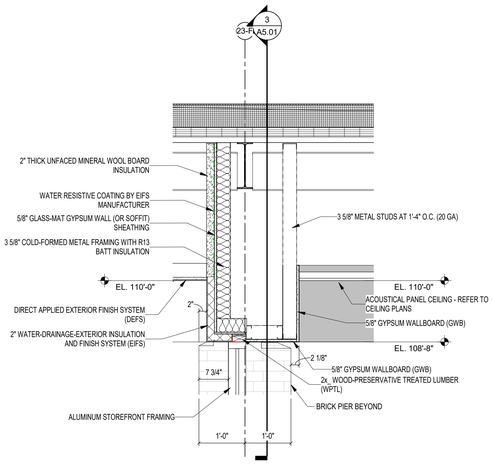
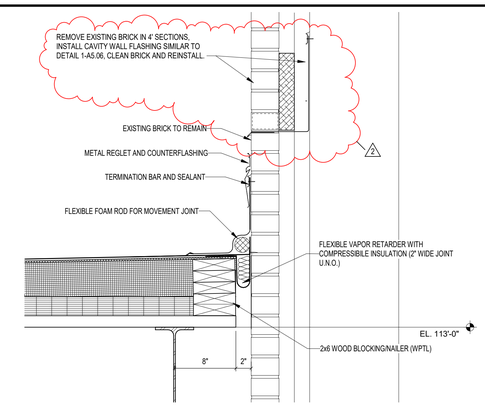
3/4/2024 9:06:12 AM



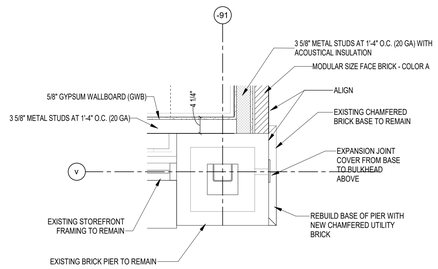
7 PARTIAL WALL SECTION

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



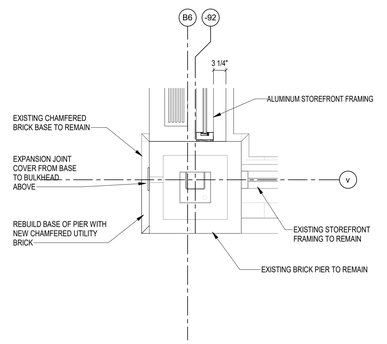
6 FLASHING NEW ROOF TO EXISTING MASONRY WALL

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



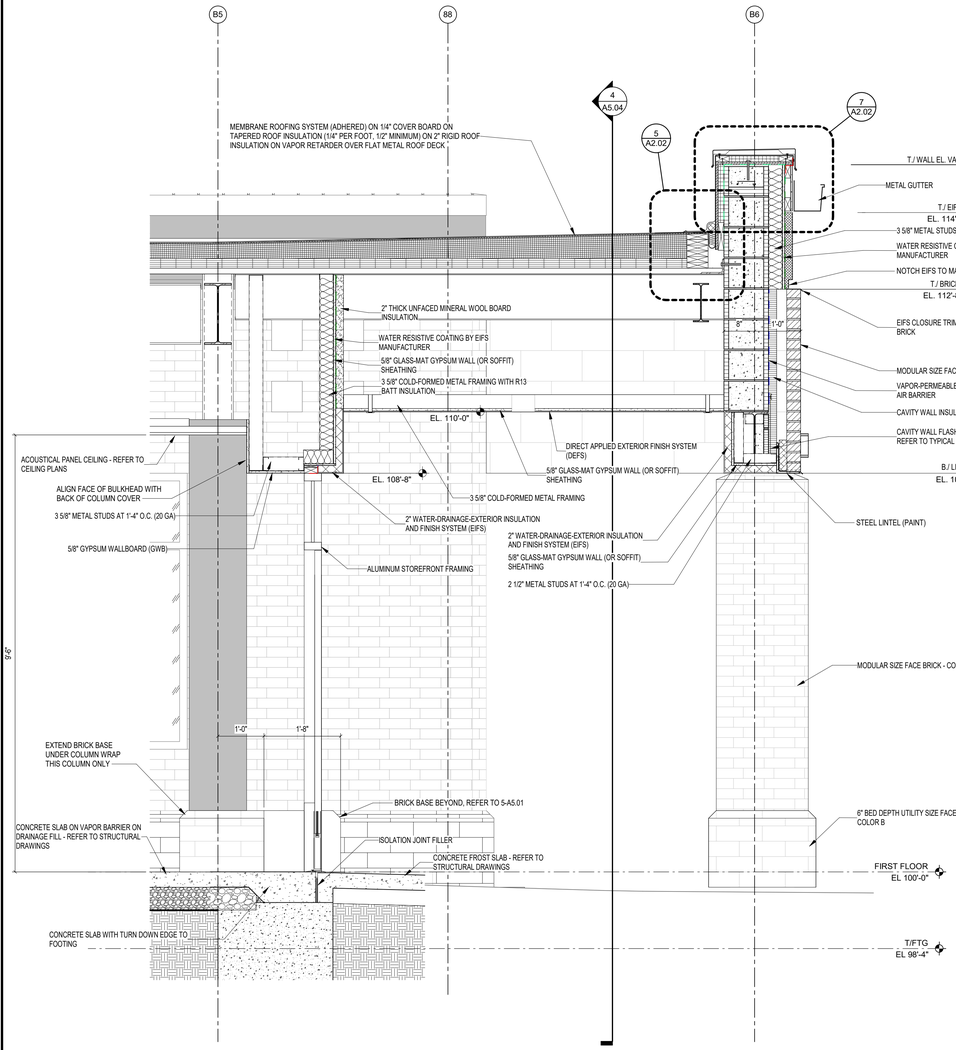
5 EXISTING COLUMN DETAIL

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



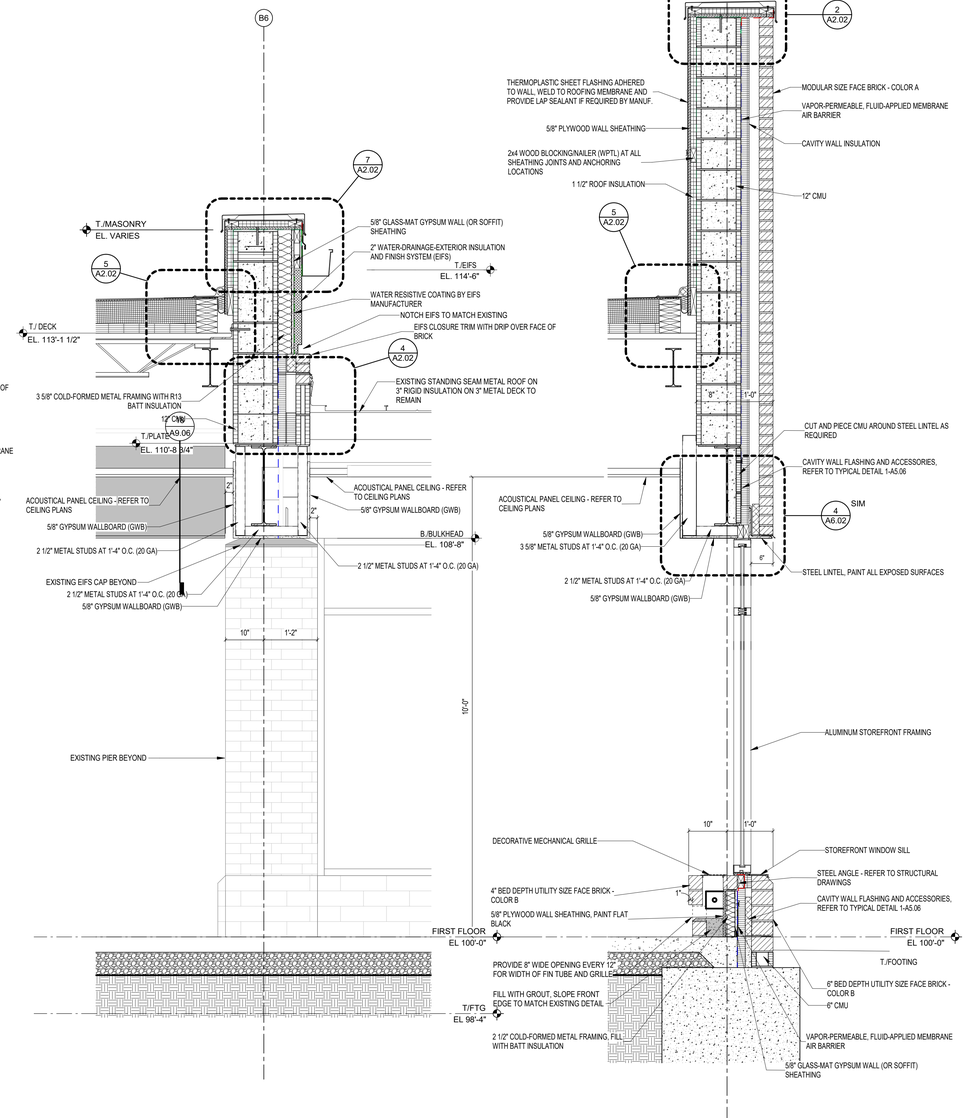
4 EXISTING COLUMN DETAIL

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



3 WALL SECTION

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



2 WALL SECTION NEW TO EXISTING

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

1 EAST WALL NEW ADDITION

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

GENERAL NOTES

A. COORDINATE ALL LINTEL AND BOND BEAM REQUIREMENTS WITH STRUCTURAL DRAWINGS AND PROJECT MANUAL.
B. REFER TO THE STRUCTURAL DRAWINGS FOR ALL FOUNDATION AND FOOTING CONDITIONS.
C. PROVIDE HORIZ. JOINT REFINFORCING, TIES, AND OTHER ANCHORAGE/REINFORCEMENT ITEMS AS REQ'D. PER PROJECT MANUAL.
D. ROOF TO EXTERIOR WALL JUNCTIONS: REFER TO DIVISION 07 SECTION "THERMAL INSULATION" FOR SPRAY POLYURETHANE INSULATION REQUIRED AT THESE LOCATIONS.
E. WALL INSULATION PENETRATIONS: PROVIDE SPRAY POLYURETHANE INSULATION OR SEALANT AROUND ALL PENETRATIONS OF THE WALL INSULATION BY PIPING, CONDUITS, FRAMING, STRUCTURE, ETC.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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BIDS

PAUL A. MILLER REGISTERED No. 11300101 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: SAM

DRAWN BY: TPV

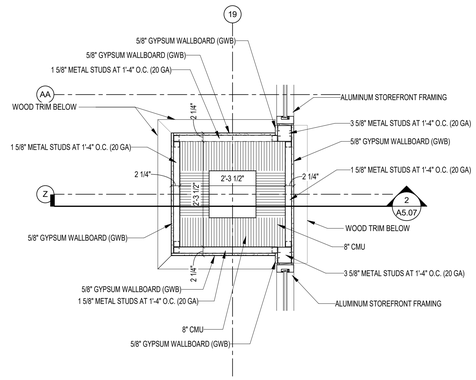
PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	3.4.2024

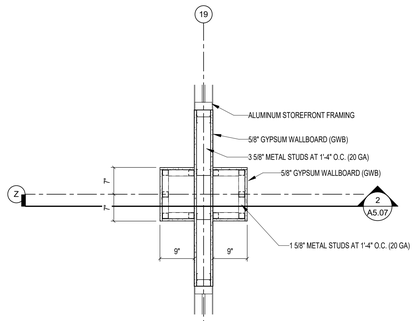
WALL SECTIONS

A5.02



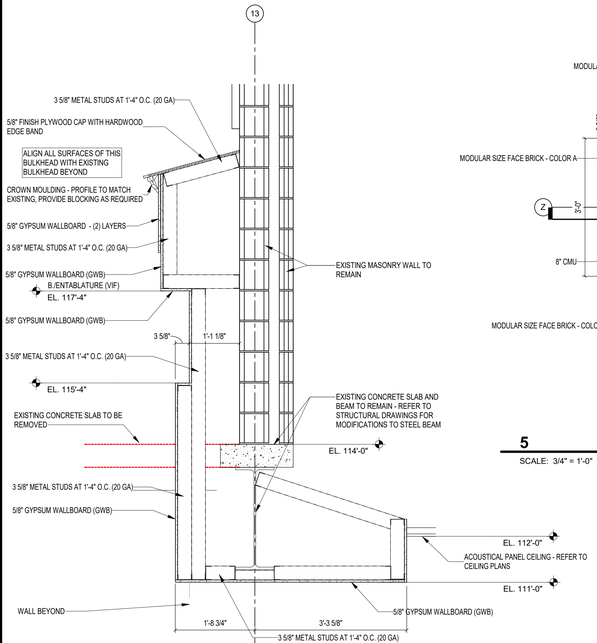
4 PLAN DETAIL - DISCOVERY PIER CAP

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



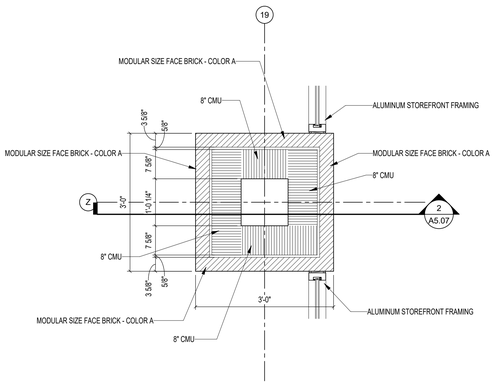
3 PLAN DETAIL - DISCOVERY PIER UPPER LEVEL

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



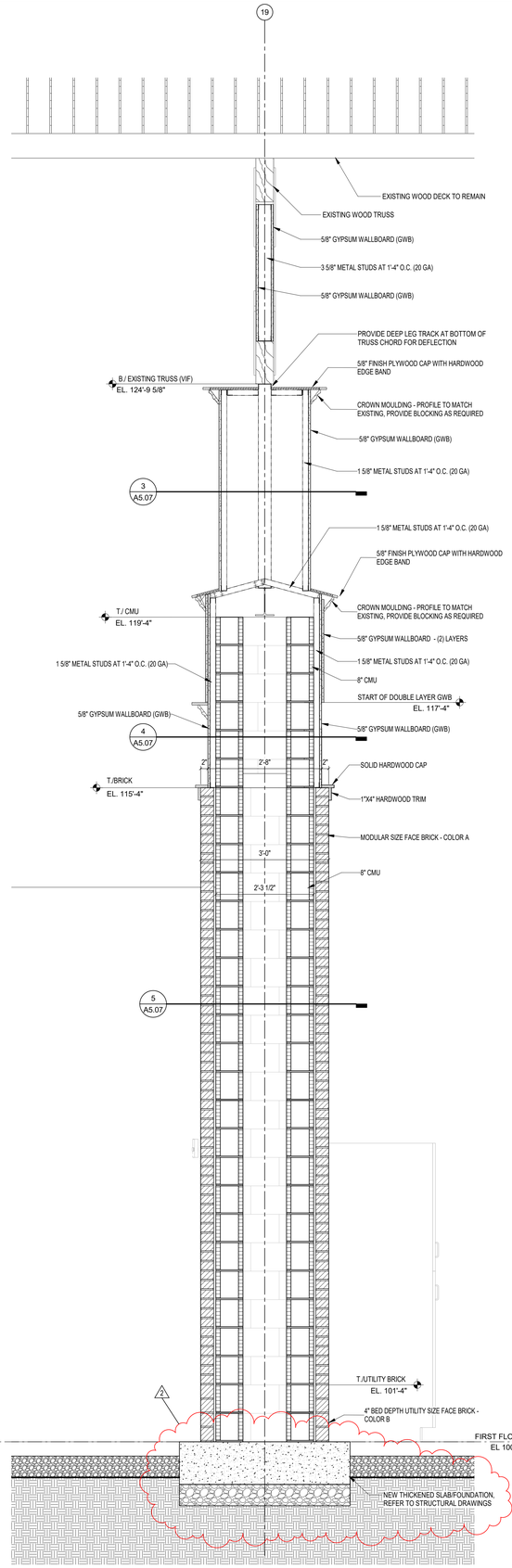
6 WEST WALL DISCOVERY CENTER

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



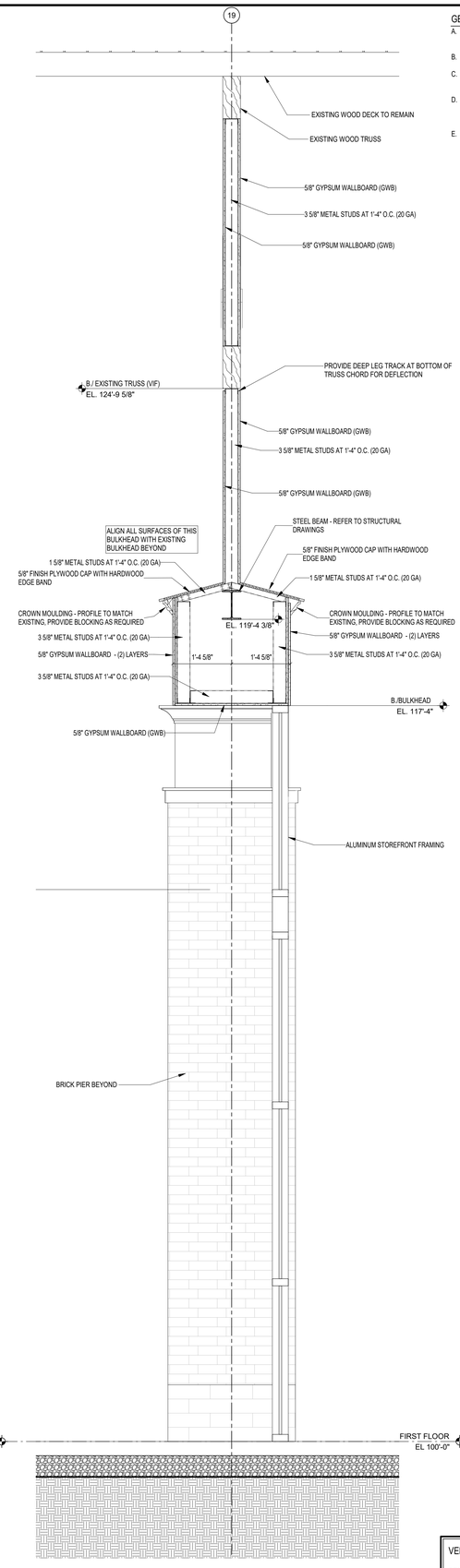
5 PLAN DETAIL - DISCOVERY BRICK PIER

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



2 WALL SECTION - DISCOVERY COLUMN

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



1 WALL SECTION - DISCOVERY ENTRY

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

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BIDS

PAUL A. MILLER REGISTERED No. A 10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: SAM

DRAWN BY: TPV

PROJECT NUMBER: 222011.00

PROJECT ISSUE DATE: 02.09.2024

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WALL SECTIONS

A5.07

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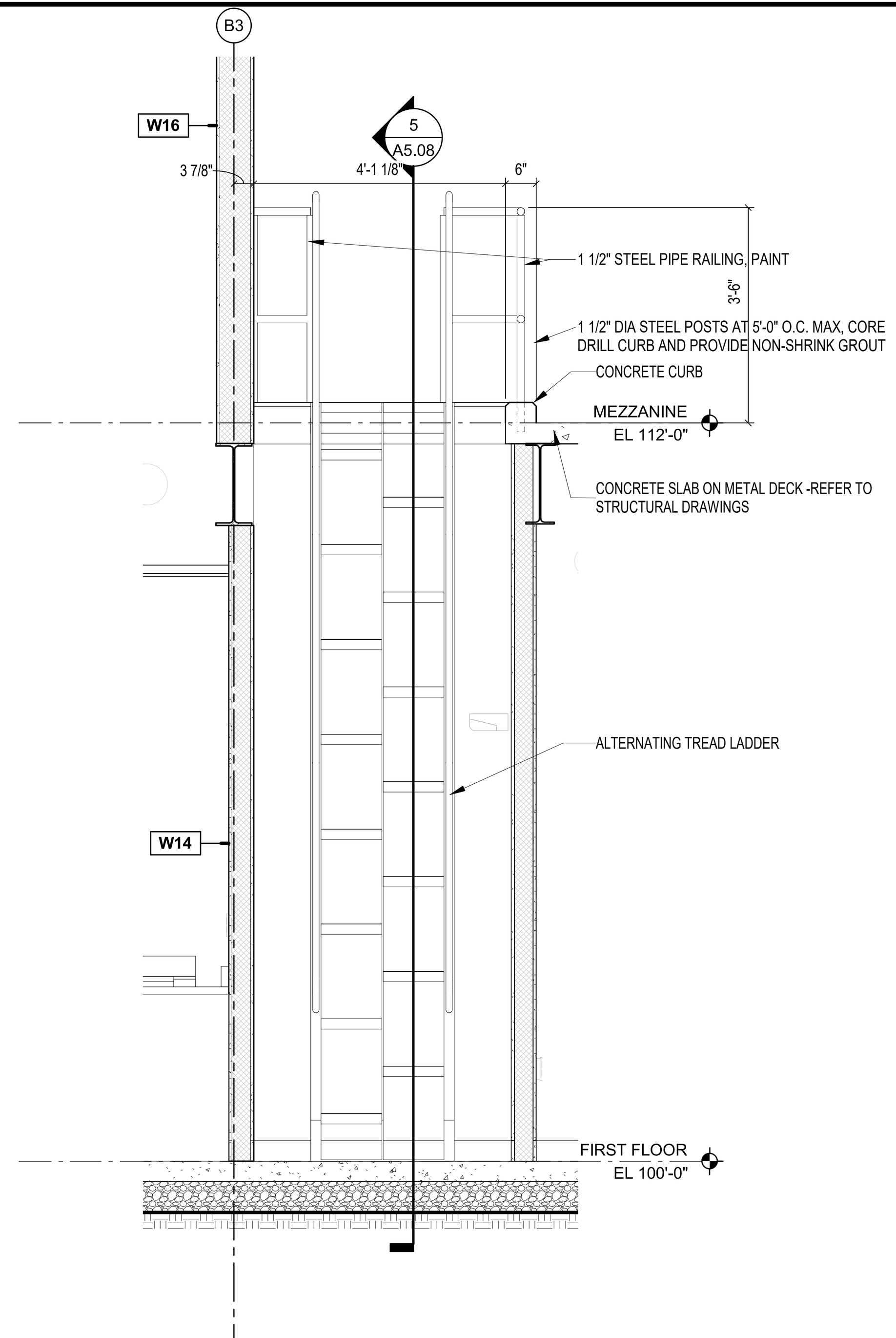
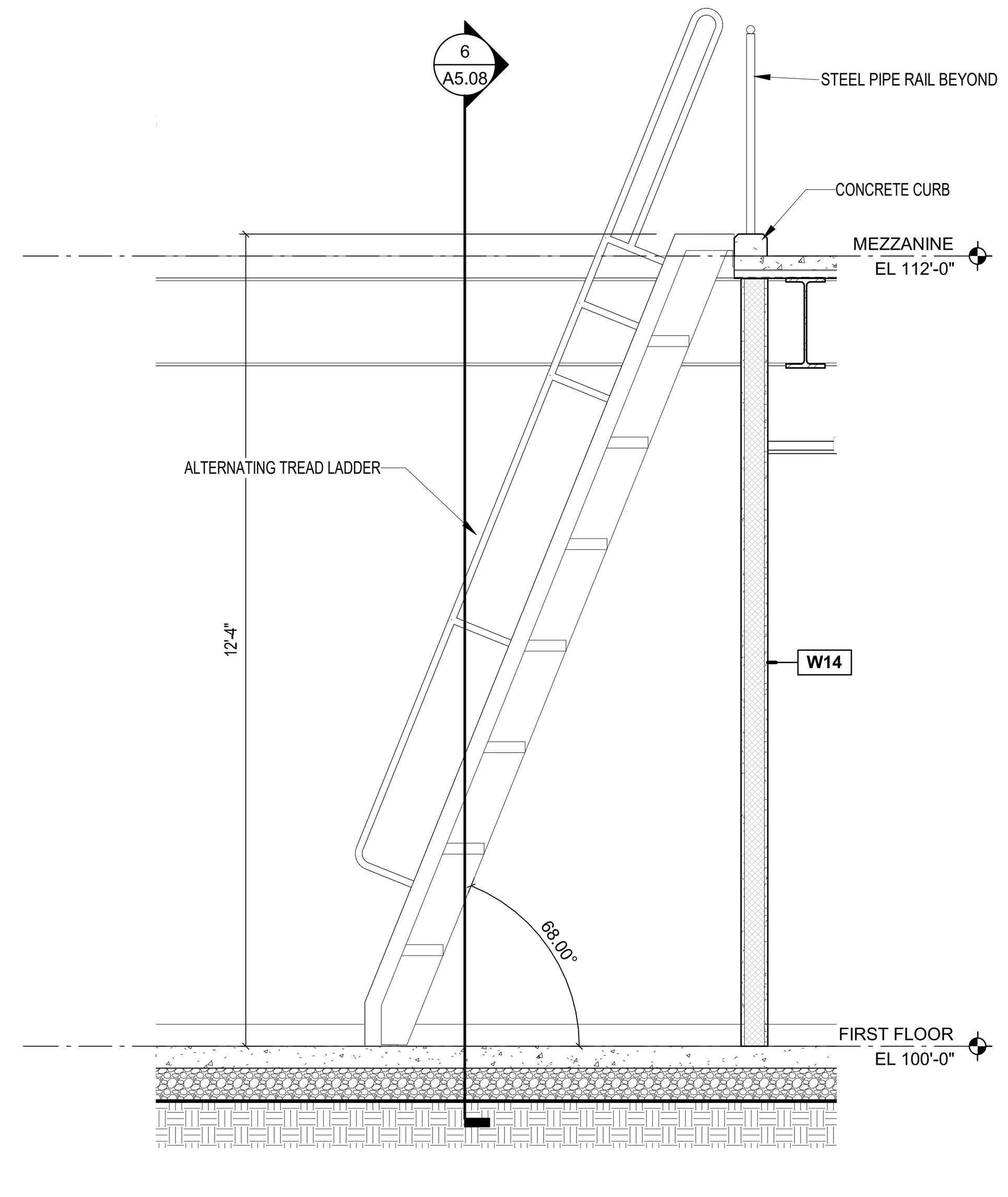
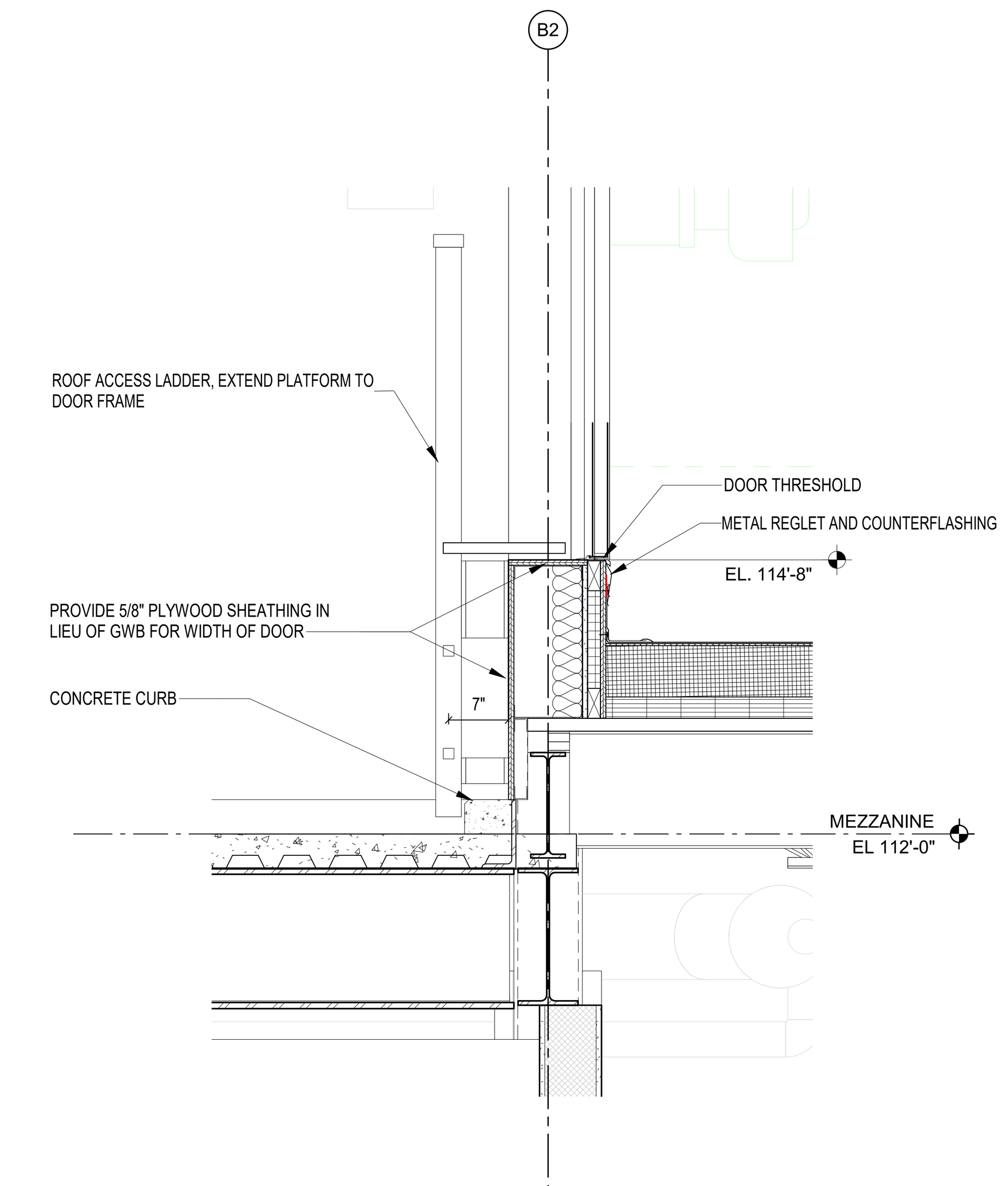
GENERAL NOTES
A. COORDINATE ALL LINTEL AND BOND BEAM REQUIREMENTS WITH STRUCTURAL DRAWINGS AND PROJECT MANUAL.
B. REFER TO THE STRUCTURAL DRAWINGS FOR ALL FOUNDATION AND FOOTING CONDITIONS.
C. PROVIDE HORIZ. JOINT REINFORCING, TIES, AND OTHER ANCHORAGE/REINFORCEMENT ITEMS AS REQ'D. PER PROJECT MANUAL.
D. ROOF TO EXTERIOR WALL JUNCTIONS: REFER TO DIVISION 07 SECTION "THERMAL INSULATION" FOR SPRAY POLYURETHANE INSULATION REQUIRED AT THESE LOCATIONS.
E. WALL INSULATION PENETRATIONS: PROVIDE SPRAY POLYURETHANE INSULATION OR SEALANT AROUND ALL PENETRATIONS OF THE WALL INSULATION BY PIPING, CONDUITS, FRAMING, STRUCTURE, ETC.



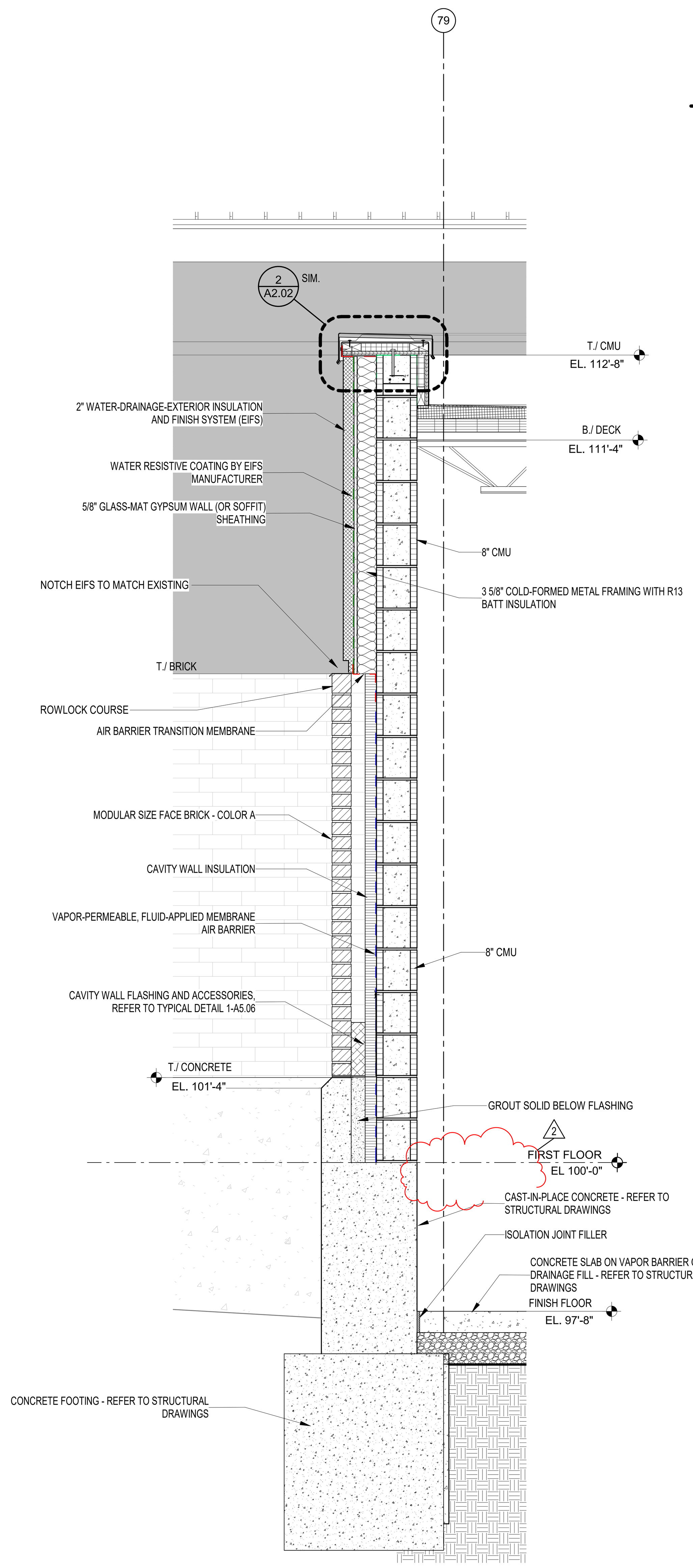
6 **MEZZANINE LADDER/RAILING**
SCALE: 1/2" = 1'-0"



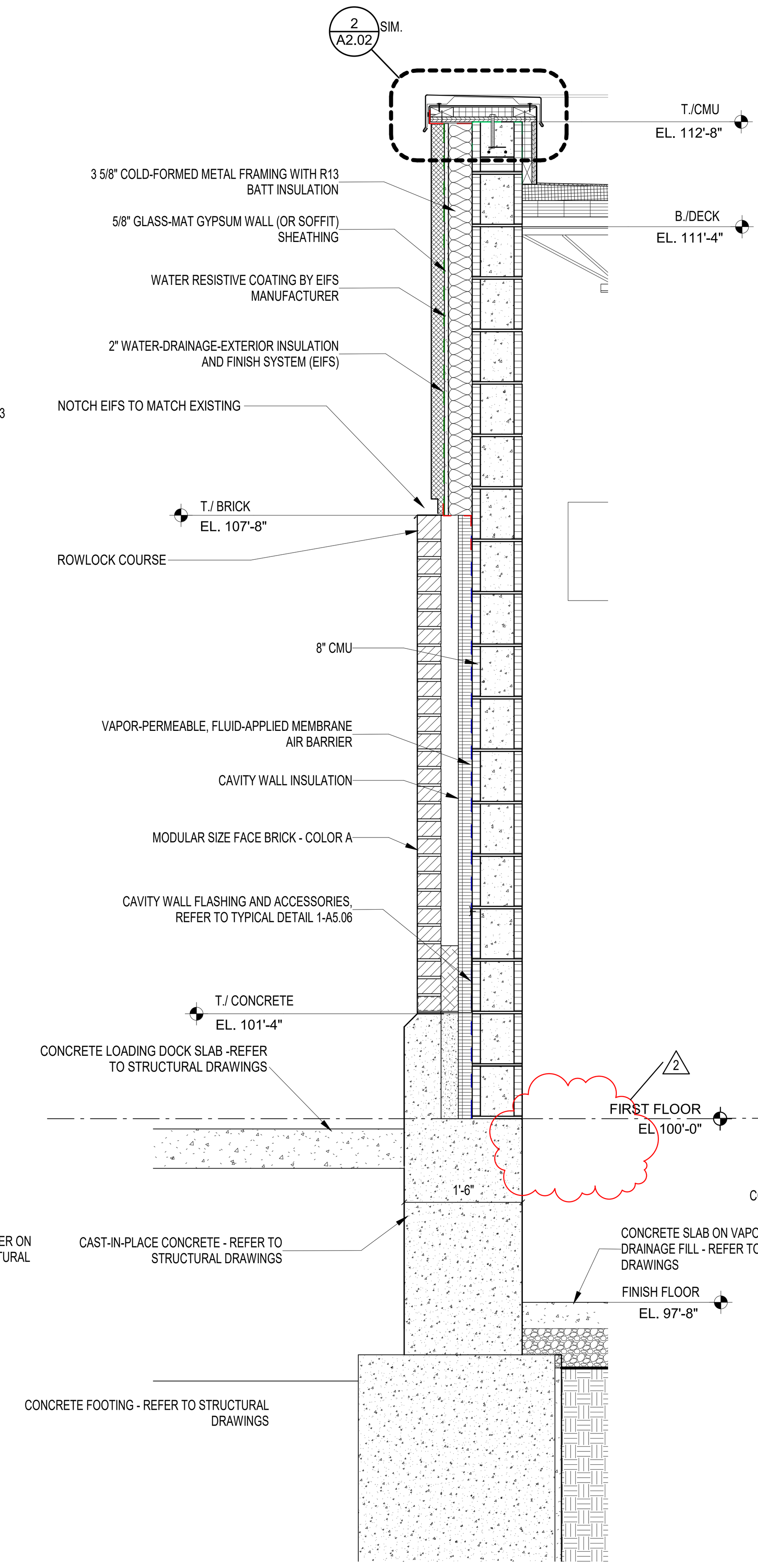
5 **ALTERNATING TREAD LADDER**
SCALE: 1/2" = 1'-0"



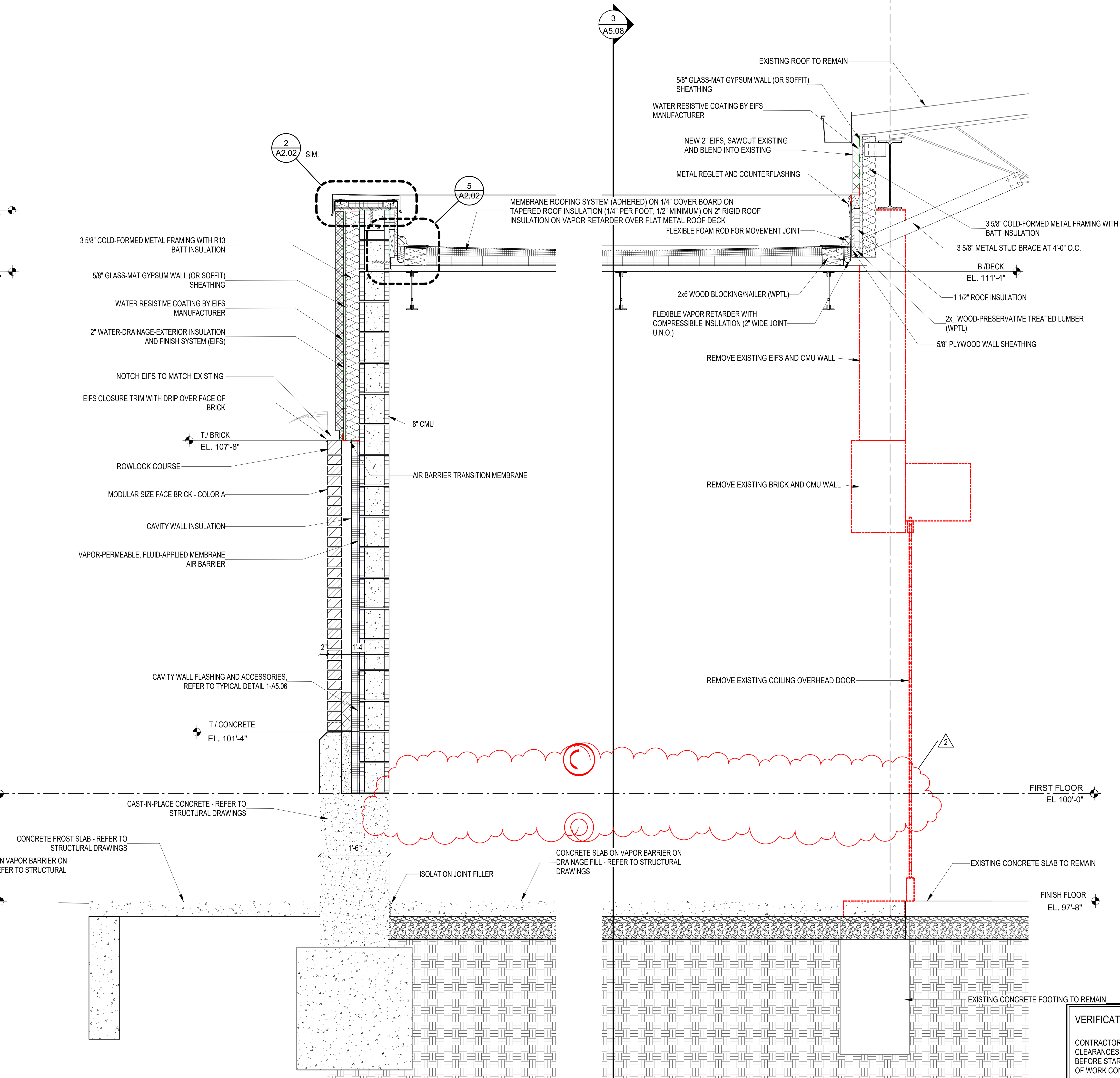
4 **ROOF ACCESS LADDER**
SCALE: 3/4" = 1'-0"



3 **WALL SECTION**
SCALE: 3/4" = 1'-0"



2 **WALL SECTION**
SCALE: 3/4" = 1'-0"



1 **WALL SECTION OUTDOOR STORAGE**
SCALE: 3/4" = 1'-0"

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

CARMEL CLAY SCHOOLS

ARCHITECT
FANNING HOWEY
317-848-0966 WWW.FHAI.COM
350 E. NEW YORK ST, INDIANAPOLIS IN 46204

BIDS

PAUL A. MILLER REGISTERED No. AR 10300161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: SAM
DRAWN BY: TPV
PROJECT NUMBER: 222011.00
PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	3.4.2024

WALL SECTIONS

A5.08

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CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

CARMEL CLAY SCHOOLS

ALLIED AIR PACKAGED EXHAUST VENTILATION SYSTEM

ITEM	SYSTEM PARTS	QTY.	MODEL	U.L. AND/OR ETL LISTINGS	REMARKS
AT1	EXHAUST HOOD	2	CHINOOK SERIES	U.L. 710 LISTING & NSF 2	TYPE 300, 18 GA. S/S CONSTRUCTION
AT2	GREASE BAFFLE FILTERS	LOT	CHG F50	R6593 CONTROL #845G	STAINLESS BAFFLE FILTERS - 16"
AT3	VAPOR PROOF LIGHTS	8	LEDR-144	U.L. E79253 & NSF 2	VAPOR PROOF LED LIGHT FIXTURES
AT4	UDS MOUNTED CONTROL PANEL	1	SEE DWG.	INCLUDED W/ EXHAUST HOOD	FLUSH - UDS MOUNTED - WIRED BY E.C.
AT5	SPACER	1	CUSTOM	TO MEET LOCAL CODE	TYPE 300, 18 GAUAGE S/S CONSTRUCTION - 12" WIDE
AT6	S/S TRIM ENCLOSURE	*0	CUSTOM	TO MEET LOCAL CODE	FROM TOP OF HOOD TO +2" ABOVE CEILING
AT7	FIRE SYSTEM	1	ANSUL R-102	U.L. 300 DESIGN	PRE-ENGINEERED - WET CHEMICAL
AT8	EXHAUST FAN	1	STXBHPRHUL30	U.L. 762	SEE DRAWING DETAILS
AT9	EXHAUST FAN ROOF CURB	0	VERIFY ROOF	TO MEET LOCAL CODE	VERIFY CONDITION - REUSE EXISTING CURB
AT10	EXHAUST DUCT CLEAN-OUT ACCESS	2	THERMAL CERAMICS	TO MEET LOCAL CODE	7" X 12" HATCH INSTALLED EVERY 10'-0" OF HORIZONTAL RUN OR CHANGE DIRECTION
AT11	EXHAUST DUCT SYSTEM INSTALLED	LOT	CUSTOM FIELD MEASURE	TO MEET LOCAL CODE	16 GAUGE, FULLY WELDED (LIQUID TIGHT) SEE DRAWING FOR DETAILS
AT12	EXHAUST DUCT FIRE RATED WRAP	LOT	THERMAL CERAMICS	TO MEET LOCAL CODE	FIELD VERIFY BUILDING MATERIALS FOR COMPLIANCE
AT13	PERFORATED MAKE-UP AIR PLENUM	2	BOTTOM DISCHARGE	INCLUDED W/ EXHAUST HOOD	S/S CONSTRUCTION WITH BALANCING DAMPERS & PERFORATED BOTTOM
AT14	TEMP SUPPLY UNIT	1	V-3 (SEE SCHEDULE)	ETL/527941	SEE DRAWING DETAILS
AT15	TEMP SUPPLY UNIT CURB	0	VERIFY ROOF	TO MEET LOCAL CODE	VERIFY CONDITION - REUSE EXISTING CURB
AT16	MAKE-UP AIR DUCT SYSTEM INSTALLED	LOT	CUSTOM FIELD MEASURE	TO MEET LOCAL CODE	22 GAUGE LOW PRESSURE STEEL PER SMACNA STANDARDS
AT17	12" DIA FLEX DUCT - MUA	8	CUSTOM FIELD MEASURE	TO MEET LOCAL CODE	INSULATED DUCT WITH BALANCING DAMPERS AT EACH CONNECTION TO PLENUM
AT18	TEMP SENSOR	2	AS-SNS/INT0801	TO MEET LOCAL CODE	"AUTO START" CONTROL W/ INTERLOCK TIME DELAY RELAY
AT19	S/S WALL PANELS	0	NA	TO MEET LOCAL CODE	TYPE 300 S/S CONSTRUCTION
AT20	S/S END PANELS	0	NA	TO MEET LOCAL CODE	TYPE 300 S/S CONSTRUCTION
AT21	MUA SUPPORT RAIL	1	SEE SCHEDULE	TO MEET LOCAL CODE	TYPE 300 S/S CONSTRUCTION

KITCHEN EQUIPMENT CONTRACTOR TO COORDINATE WITH GENERAL, ROOFING, STRUCTURAL, ELECTRICAL, HVAC AND PLUMBING CONTRACT DOCUMENTS.
HOOD SYSTEM INSTALLER TO FIELD MEASURE KITCHEN VENTILATION SYSTEM BEFORE PRODUCT CONSTRUCTION AND INSTALL.

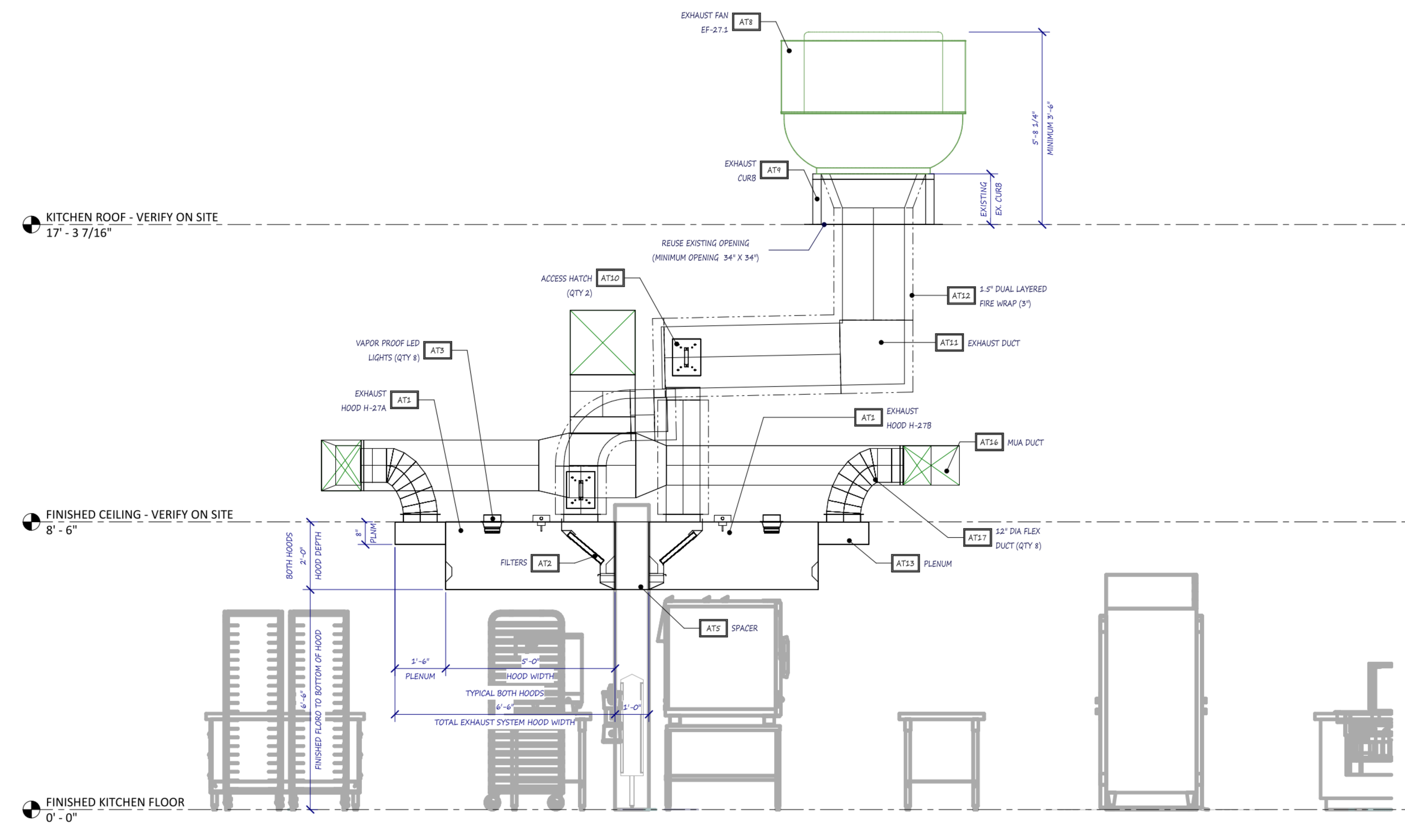
*TRIM MAY BE INCLUDED UPON VERIFICATION OF CEILING HEIGHT

ALLIED AIR PACKAGED KITCHEN VENTILATION SYSTEM

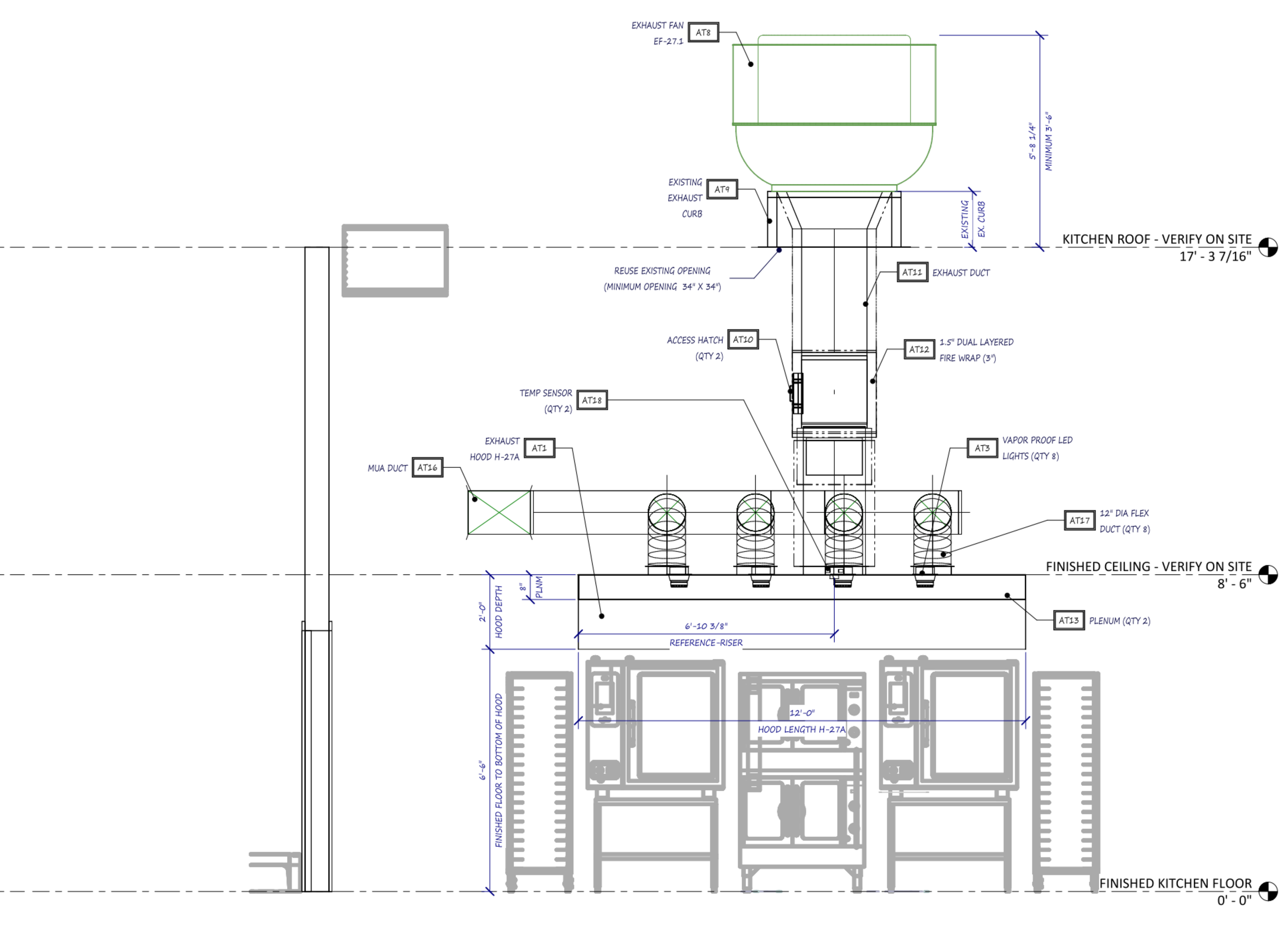
ITEM	SYSTEM PARTS	QTY.	MODEL	U.L. AND/OR ETL LISTINGS	REMARKS
ATDW1	CONDENSATE VENT RISER	2	AVTEC ASDUCT	NSF	TYPE 300, 16 GAUGE S/S CONSTRUCTION
ATDW2	S/S PERFORATED SCREEN	0	CUSTOM	NSF	TYPE 300, 18 GAUGE S/S CONSTRUCTION
ATDW3	DUCT PROTECTOR	0	CUSTOM	NSF	S/S REMOVABLE PERFORATED SCREEN
ATDW4	WALL LOUVER	0	TBD	AS REQUIRED	PAINTED GALVANIZED CONTRUCTION
ATDW5	CONDENSATE EXHAUST HOOD	0	VDW SERIES	AS REQUIRED	TYPE 300 S/S CONSTRUCTION
ATDW6	S/S TRIM ENCLOSURE	*0	CUSTOM	TO MEET LOCAL CODE	FROM TOP OF HOOD TO +2" ABOVE CEILING
ATDW7	CONDENSATE EXHAUST FAN	1	SDBD1250SC	U.L. 705	SEE DRAWING DETAILS
ATDW8	CONDENSATE EXHAUST FAN CURB	0	VERIFY ROOF	TO MEET LOCAL CODE	VERIFY CONDITION - REUSE EXISTING CURB
ATDW9	CONDENSATE EXHAUST DUCT SYSTEM INSTALLED	LOT	CUSTOM FIELD MEASURE	TO MEET LOCAL CODE	22 GAUGE SEALED ALUMINUM CONSTRUCTION
ATDW10	GRAVITY BACKDRAFT DAMPER	1	4110 SERIES	TO MEET LOCAL CODE	INSTALLED IN DUCT JUST BELOW ROOF DECK

KITCHEN EQUIPMENT CONTRACTOR TO COORDINATE WITH GENERAL, ROOFING, STRUCTURAL, ELECTRICAL, HVAC AND PLUMBING CONTRACT DOCUMENTS.
HOOD SYSTEM INSTALLER TO FIELD MEASURE KITCHEN VENTILATION SYSTEM BEFORE PRODUCT CONSTRUCTION AND INSTALL.

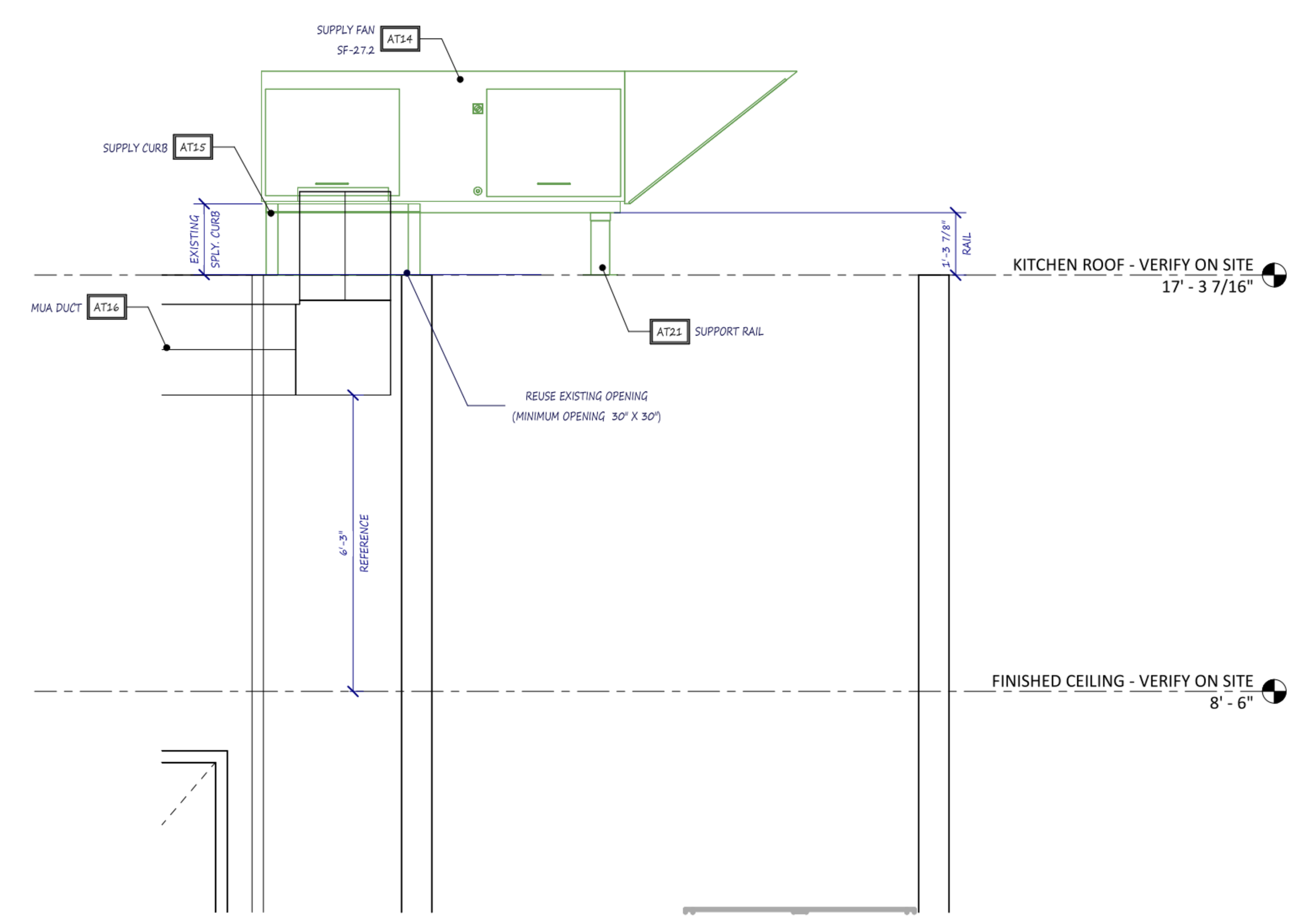
*TRIM MAY BE INCLUDED UPON VERIFICATION OF CEILING HEIGHT



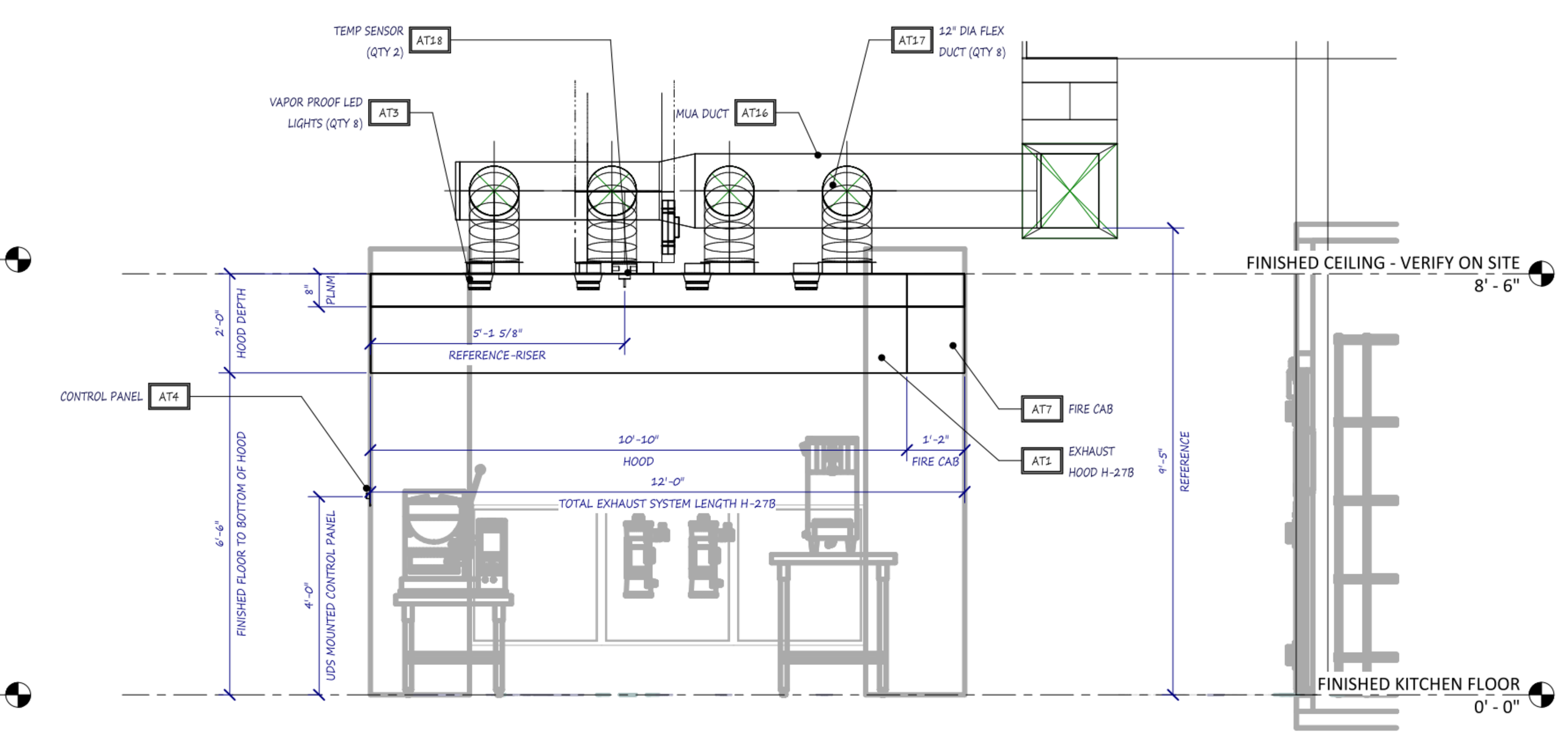
E3 SECTION - HOOD PROFILE H-27A & B
SCALE: 3/8" = 1'-0"



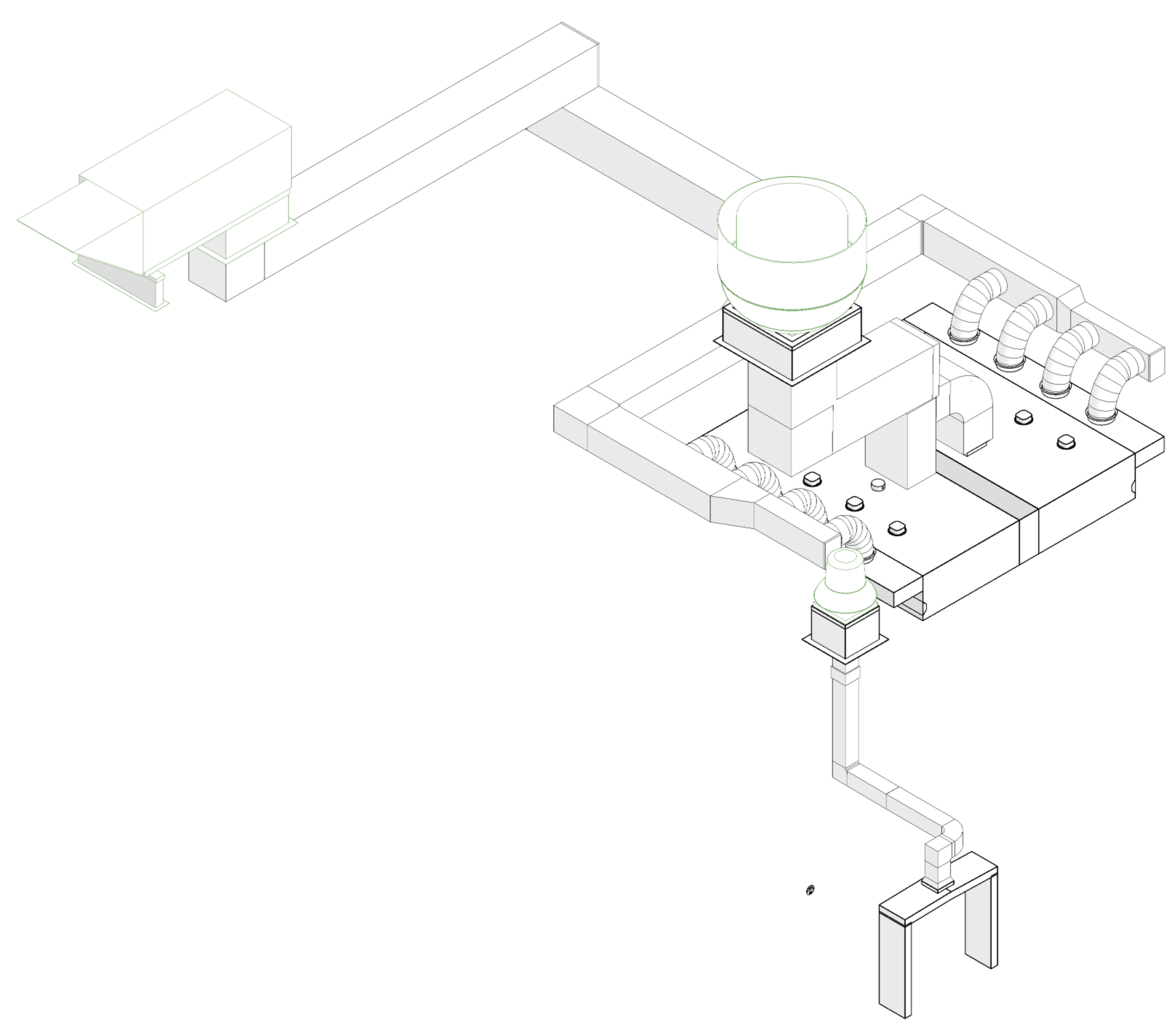
E1 SECTION - HOOD H-27A
SCALE: 3/8" = 1'-0"



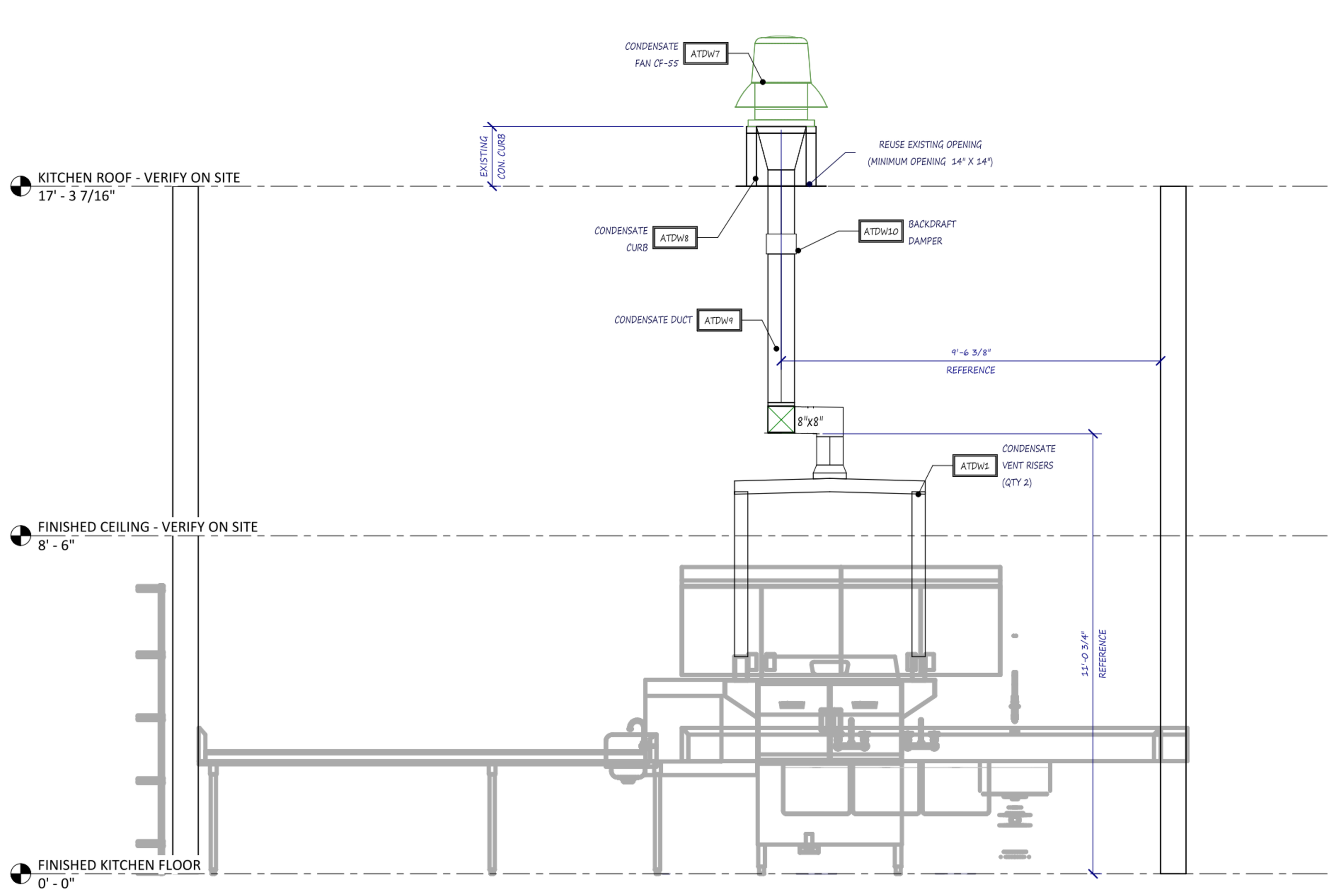
E4 SECTION - MUA PROFILE
SCALE: 3/8" = 1'-0"



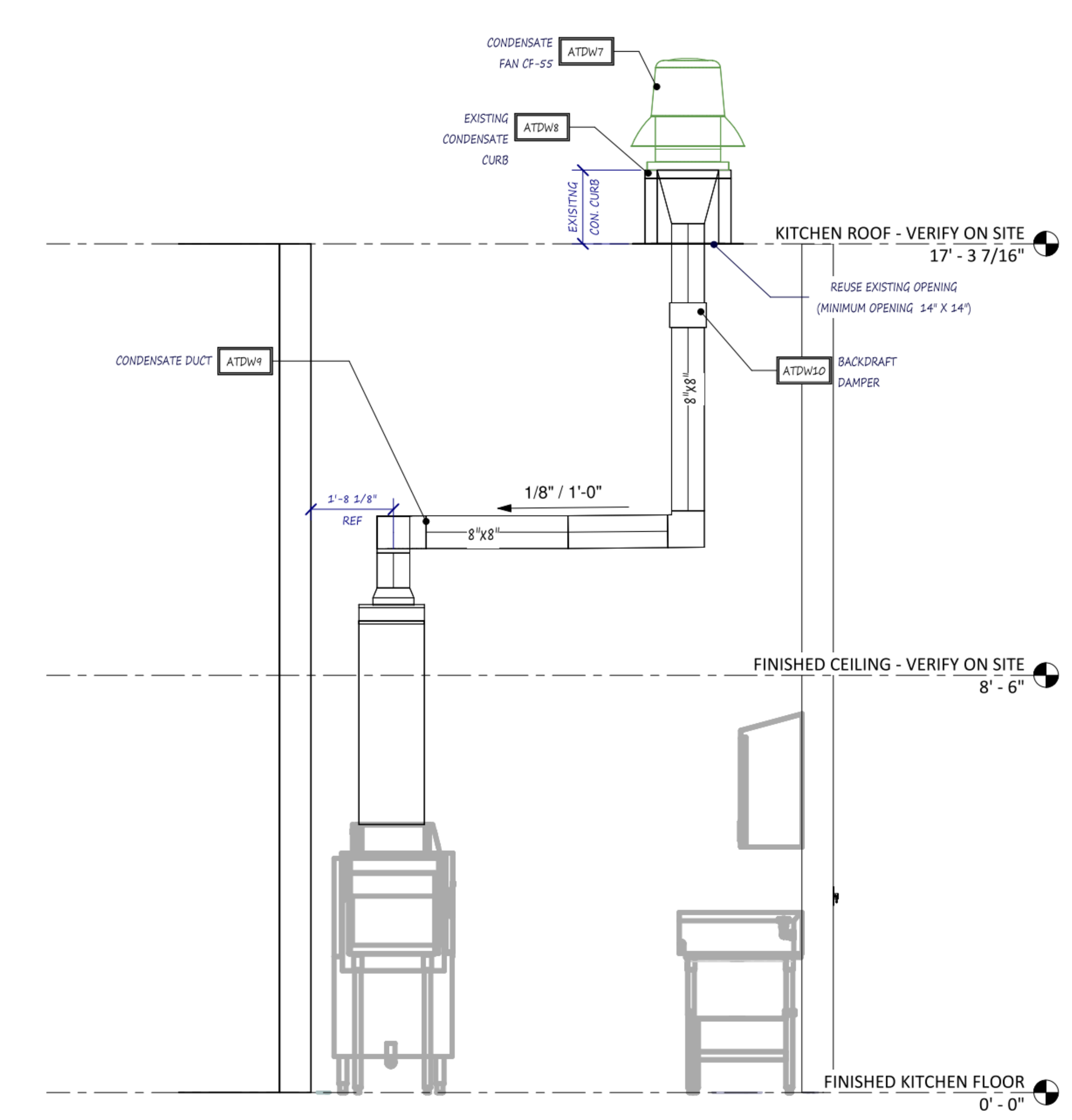
E2 SECTION - HOOD H-27B
SCALE: 3/8" = 1'-0"



EXHAUST SYSTEM BY ALLIED TECHNOLOGIES FOOD EQUIPMENT
SCALE: NOT TO SCALE



C2 SECTION - CONDENSATE VENT RISERS VR-54.1
SCALE: 3/8" = 1'-0"



C1 SECTION - CONDENSATE PROFILE
SCALE: 3/8" = 1'-0"

Allied Technologies
Food Equipment, Inc.
926 SAYRE DRIVE
GREENWOOD, IN 46142
317.887.2020
www.alliedfoodequipment.com

CHERRY TREE ELEMENTARY
CARMEL, IN

REITANO - DON KEHRT

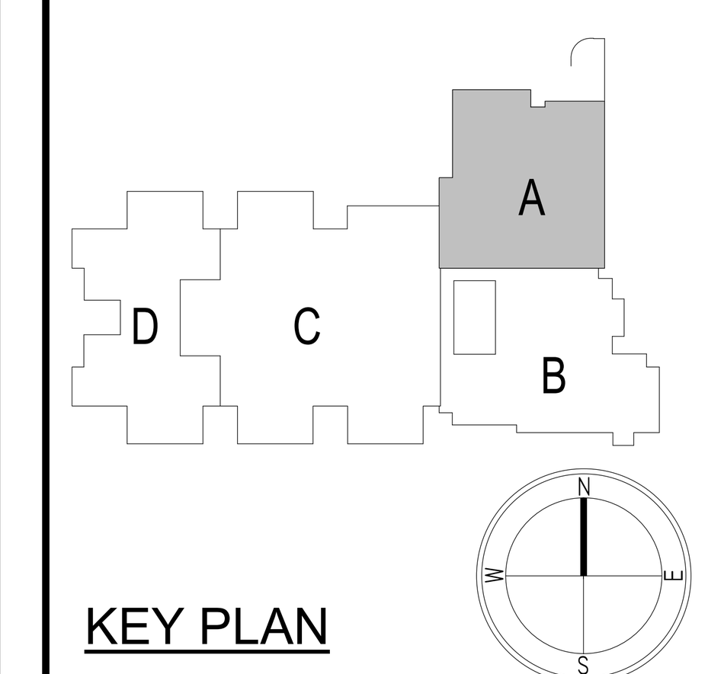
CHRIS OXFORD
Date 12.11.23
Revisions:
02.29.24 - REV1
00.00.00
00.00.00
2 of 3
Scale: As indicated
Project Number CTE120823

ARCHITECT

FANNING HOWEY
317-848-0966 WWW.FHAI.COM
350 E. New York St, Indianapolis IN 46204

CONSULTANT

REITANO DESIGN GROUP



KEY PLAN

CD OVER REVIEW

PROJECT MANAGER: DK
DRAWN BY: RDG
PROJECT NUMBER: 222011.00
PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
	ADDENDUM #2	03-04-24

EXHAUST HOOD SYSTEM DETAILS

K5.00

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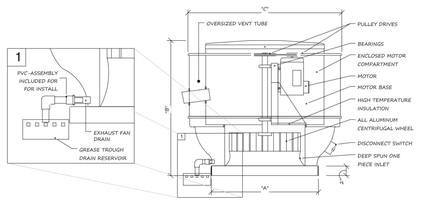
EXHAUST FAN SCHEDULE

FAN DESCRIPTION			FAN DIMENSIONS						FAN RATING						
ITEM #	QTY.	MODEL	"A"	"B"	"C"	CURB O.D.	CURB I.D.	ROOF OPENING	LBS.	VOLTS	PH	HP	AMPS	RPM	STATIC	CFM
EF-27.2	1	STXBHPRHUL30	42"	32.31"	69.44"	RE-USE EXISTING		VERIFY	402	460	3	2	3.30	660	1.125"	7,750
								MIN. 34" X 34"								



NOTES:

MOTOR COMPARTMENT TO BE PROVIDED WITH FORCED AIR COOLING, COMPARTMENT TO BE SEALED FROM CONTAMINATED EXHAUST AIR.

EXTERNALLY MOUNTED JUNCTION BOX

NEOPRENE ISOLATORS ARE INCLUDED TO REDUCE NOISE AND VIBRATION.

STANDARD ACCESSORIES:

GREASE TROUGH
HINGED CURB
UL762 RESTAURANT LISTING
INSULATED GALVANIZED CURB

EXHAUST FAN ASSEMBLY DESCRIPTION

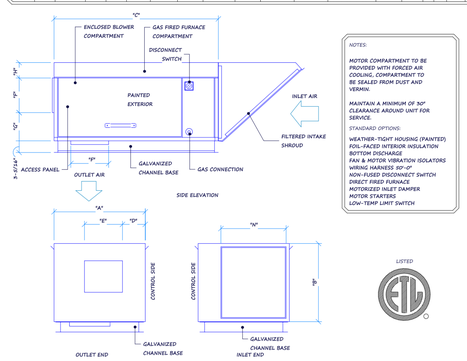
DRIVES	SIZED FOR 1.50% OF DRIVE H.P., ADJUSTIBLE PITCH SHEAVES
OVERSIZED VENT TUBE	FOR MAXIMUM MOTOR COOLING
BEARINGS	BALL BEARING TYPE PERMANENTLY SEALED AND LUBRICATED
ENCLOSED MOTOR COMPARTMENT	ISOLATES MOTOR ANDS DRIVES FOR EXHAUST AIR
MOTOR	OPEN DRIP-PROOF CONSTURCTION STANDARD.
MOTOR BASE	MOTOR IS ADJUSTIBLE FOR PROPER BELT TENSION
INSULATION	HIGH TEMPERATURE INSULATION PROVIDES LONGER MOTOR LIFE
ALL ALUMINUM CENTRIFUGAL WHEEL	NON-OVERLOADING, BACKWARDS INCLINE TAPERED BLADES FOR MAXIMUM EFFICIENCY AND MINIMUM SOUND
DISCONNECT SWITCH	RAINPROOF ELECTRICAL BOX WITH WIRING CHASE. ELIMINATES THE NEED TO UNWIRE AND REWIRE THE MOTOR WHEN REMOVING MOTOR COMPARTMENT HOUSING
DEEP SPUN ONE PIECE INLET	NON-OVERLOADING, BACKWARDS INCLINE TAPERED BLADES FOR MAXIMUM EFFICIENCY AND MINIMUM SOUND

AT8 - UPBLAST EXHAUST FAN DETAIL

SCALE: NOT TO SCALE

MAKE-UP AIR FAN SCHEDULE

FAN DESCRIPTION			FAN DIMENSIONS									FAN RATING								
ITEM #	QUAN.	MODEL	"A"	"B"	"C"	"D"	"E"	"F"	"G"	CURB O.D.	CURB I.D.	ROOF OPENING	LBS.	VOLTS	PH	HP	AMPS	MOP	RPM	STATIC	CFM	CONN.	BTU
SF-27.2	1	V3	40"	33"	42"	+-11/16"	20"-5/8"	17 7/8"	+-5/8"	RE-USE EXISTING		VERIFY	700	460	3	3	4.6	20	1,020	2"	4,600	3/4"	367,080
												MIN. 30" X 30"											



NOTES:

MOTOR COMPARTMENT TO BE PROVIDED WITH FORCED AIR COOLING, COMPARTMENT TO BE SEALED FROM DUST AND VERMIN

MAINTAIN A MINIMUM OF 30" CLEARANCE AROUND UNIT FOR SERVICE.

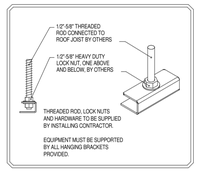
STANDARD OPTIONS:

WEATHER-TIGHT HOUSING (PAINTED)
FOIL-FACED INTERIOR INSULATION
BOTTOM DISCHARGE
FAN & MOTOR VIBRATION ISOLATORS
WIRING HARNESS 50'-0"
NON-FUSED DISCONNECT SWITCH
DIRECT FIRED FURNACE
MOTORIZED INLET DAMPER
MOTOR STARTERS
LOW-TEMP LIMIT SWITCH

LISTED

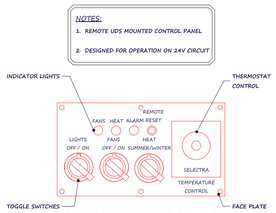
AT14 - MAKE-UP AIR UNIT DETAIL

SCALE: NOT TO SCALE



BRACKET DETAIL

SCALE: NOT TO SCALE

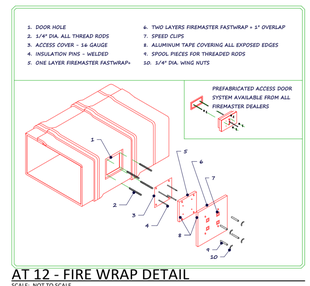


NOTES:

1. *REMOTE UDS MOUNTED CONTROL PANEL*
2. *DESIGNED FOR OPERATION ON 24V CIRCUIT*

AT4 - UDS MOUNTED HOOD CONTROL PANEL

SCALE: NOT TO SCALE



AT 12 - FIRE WRAP DETAIL

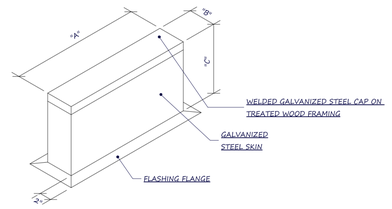
SCALE: NOT TO SCALE

SUPPORT RAIL SCHEDULE

CURB DIMENSIONS			
FAN #	"A"	"B"	"C"
SF-27.2	"49.5"	"5"	"5.75"

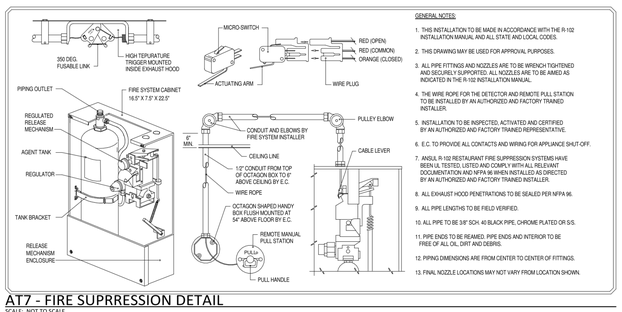
NOTES:

- *18 GAUGE GALVANIZED STEEL CONSTRUCTION*
- *2" FLASHING STRIP*
- *FACTORY INSTALLED WOOD NAILER*



SUPPORT RAIL DETAIL

SCALE: NOT TO SCALE



GENERAL NOTES:

1. THIS INSTALLATION TO BE MADE IN ACCORDANCE WITH THE R-102 INSTALLATION MANUAL AND ALL STATE AND LOCAL CODES.
2. THIS DRAWING MAY BE USED FOR APPROVAL PURPOSES.
3. ALL PIPE FITTINGS AND NOZZLES ARE TO BE WRENCH TIGHTENED AND SECURELY SUPPORTED. ALL NOZZLES ARE TO BE AIMED AS INDICATED IN THE R-102 INSTALLATION MANUAL.
4. THE WIRE ROPE FOR THE DETECTOR AND REMOTE PULL STATION TO BE INSTALLED BY AN AUTHORIZED AND FACTORY TRAINED INSTALLER.
5. INSTALLATION TO BE INSPECTED, ACTIVATED AND CERTIFIED BY AN AUTHORIZED AND FACTORY TRAINED REPRESENTATIVE.
6. E.C. TO PROVIDE ALL CONTACTS AND WIRING FOR APPLIANCE SHUT-OFF.
7. ANSUL R-102 RESTAURANT FIRE SUPPRESSION SYSTEMS HAVE BEEN UL TESTED, LISTED AND COMPLY WITH ALL RELEVANT DOCUMENTATION AND NFPA 96 WHEN INSTALLED AS DIRECTED BY AN AUTHORIZED AND FACTORY TRAINED INSTALLER.
8. ALL EXHAUST HOOD PENETRATIONS TO BE SEALED PER NFPA 96.
9. ALL PIPE LENGTHS TO BE FIELD VERIFIED.
10. ALL PIPE TO BE 3/8" SCH. 40 BLACK PIPE, CHROME PLATED OR S/S.
11. PIPE ENDS TO BE REAMED. PIPE ENDS AND INTERIOR TO BE FREE OF ALL OIL, DIRT AND DEBRIS.
12. PIPING DIMENSIONS ARE FROM CENTER TO CENTER OF FITTINGS.
13. FINAL NOZZLE LOCATIONS MAY NOT VARY FROM LOCATION SHOWN.

AT7 - FIRE SUPRRESSION DETAIL

SCALE: NOT TO SCALE

CONDENSATE EXHAUST FAN SCHEDULE

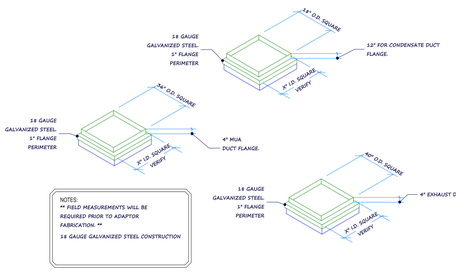
FAN DESCRIPTION			FAN DIMENSIONS						FAN RATING							
ITEM #	QTY.	MODEL	"A"	"B"	"C"	CURB O.D.	CURB I.D.	OPENING	LBS.	VOLTS	PH	HP	AMPS	RPM	STATIC	CFM
CF-55	1	SDBDS23.5DSC	30"	27.31"	27.63"	RE-USE EXISTING		VERIFY	84	115	1	1/2	7.8	1,330	.75"	600
								MIN. 14" X 14"								

ACCESSORIES:

ALL ALUMINUM HOUSING
FLAT ROOF CURB
SPEED CONTROL (SHIPPED LOOSE)
GRAVITY BACKDRAFT DAMPER
BIRD SCREEN
UL705 APPROVAL

ATDW8 - DOWNBLAST EXHAUST FAN DETAIL

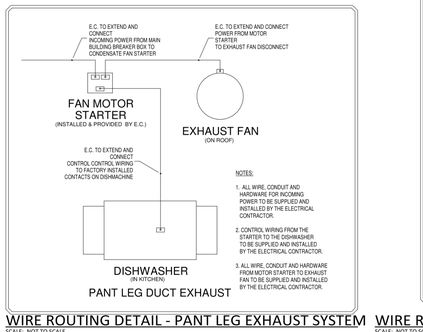
SCALE: NOT TO SCALE



NOTES:
** FIELD MEASUREMENTS WILL BE REQUIRED PRIOR TO ADAPTOR FABRICATION. **
18 GAUGE GALVANIZED STEEL CONSTRUCTION

ROOF CURB ADAPTER

SCALE: NOT TO SCALE

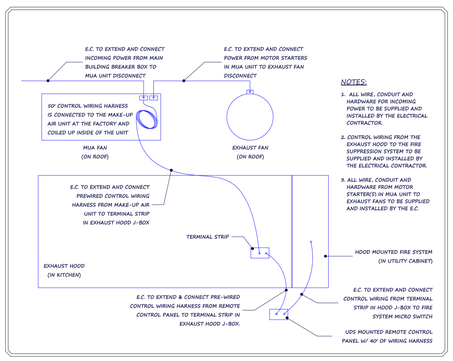


NOTES:

1. ALL WIRE, CONDUIT AND HARDWARE FOR INCOMING POWER TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. CONTROL WIRING FROM THE STARTER TO THE DISHWASHER TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. ALL WIRE, CONDUIT AND HARDWARE FROM MOTOR STARTER TO EXHAUST FAN TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

WIRE ROUTING DETAIL - PANT LEG EXHAUST SYSTEM

SCALE: NOT TO SCALE

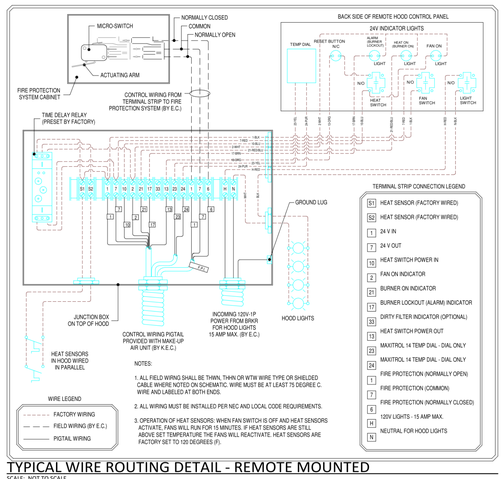


NOTES:

1. ALL WIRE, CONDUIT AND HARDWARE FOR INCOMING POWER TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. CONTROL WIRING FROM THE EXHAUST HOOD TO THE FIRE SUPPRESSION SYSTEM TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. ALL WIRE, CONDUIT AND HARDWARE FROM MOTOR STARTER(S) IN MUA UNIT TO EXHAUST FANS TO BE SUPPLIED AND INSTALLED BY THE E.C.

WIRE ROUTING DETAIL - HOOD W/ CABINET - UDS MOUNT REMOTE CONTROL PANEL

SCALE: NOT TO SCALE



NOTES:

1. ALL FIELD WIRING SHALL BE THWN, THHN OR WTHN WIRE TYPE OR SHIELDED CABLE WHERE NOTED ON SCHEMATIC. WIRE MUST BE AT LEAST 75 DEGREE C. WIRE AND LABELED AT BOTH ENDS.
2. ALL WIRING MUST BE INSTALLED PER NEC AND LOCAL CODE REQUIREMENTS.
3. OPERATION OF HEAT SENSORS: WHEN FAN SWITCH IS OFF AND HEAT SENSORS ACTIVATE, FANS WILL RUN FOR 15 MINUTES. IF HEAT SENSORS ARE STILL ABOVE SET TEMPERATURE THE FANS WILL REACTIVATE. HEAT SENSORS ARE FACTORY SET TO 120 DEGREES (F).

TYPICAL WIRE ROUTING DETAIL - REMOTE MOUNTED

SCALE: NOT TO SCALE

Allied Technologies
Food Equipment, Inc.
926 SAYRE DRIVE
GREENWOOD, IN 46142
317.887.2020
www.alliedfoodequipment.com

CHERRY TREE ELEMENTARY
CARMEL, IN

REITANO - DON KEHRT

CHRIS OXFORD
Date 12.11.23
Revisions:
02.29.24 - REV1
00.00.00
00.00.00 Project Number CTE120823

3 of 3

Scale: As indicated

CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

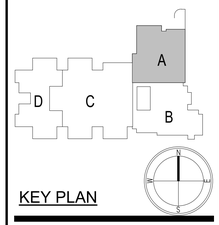
CARMEL CLAY SCHOOLS

ARCHITECT

FANNING HOWEY
317-848-0966 WWW.FHAI.COM
350 E. New York St. Indianapolis IN 46204

CONSULTANT

REITANO DESIGN GROUP



KEY PLAN

CD OVER REVIEW

PROJECT MANAGER: DK
DRAWN BY: RDG
PROJECT NUMBER: 222011.00
PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
	ADDENDUM #2	03-04-24

EXHAUST HOOD SYSTEM DETAILS

K5.01

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CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

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CARMEL CLAY SCHOOLS

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350 E. New York St, Indianapolis IN 46204

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REITANO DESIGN GROUP

KEY PLAN

ALLIED AIR PACKAGED KITCHEN VENTILATION SYSTEM

ITEM	SYSTEM PARTS	QTY.	MODEL	U.L. AND/OR ETL LISTINGS	REMARKS
ATDW1	CONDENSATE VENT RISER	2	AVTEC ASDUCT	NSF	TYPE 300, 16 GAUGE S/S CONSTRUCTION
ATDW2	S/S PERFORATED SCREEN	0	CUSTOM	NSF	TYPE 300, 18 GAUGE S/S CONSTRUCTION
ATDW3	DUCT PROTECTOR	0	CUSTOM	NSF	S/S REMOVABLE PERFORATED SCREEN
ATDW4	WALL LOUVER	0	TBD	AS REQUIRED	PAINTED GALVANIZED CONTRUCTION
ATDW5	CONDENSATE EXHAUST HOOD	0	VDW SERIES	AS REQUIRED	TYPE 300 S/S CONSTRUCTION
ATDW6	S/S TRIM ENCLOSURE	*0	CUSTOM	TO MEET LOCAL CODE	FROM TOP OF HOOD TO +2" ABOVE CEILING
ATDW7	CONDENSATE EXHAUST FAN	1	SDBD1250SC	U.L. 705	SEE DRAWING DETAILS
ATDW8	CONDENSATE EXHAUST FAN CURB	0	VERIFY ROOF	TO MEET LOCAL CODE	VERIFY CONDITION - REUSE EXISTING CURB
ATDW9	CONDENSATE EXHAUST DUCT SYSTEM INSTALLED	LOT	CUSTOM FIELD MEASURE	TO MEET LOCAL CODE	22 GAUGE SEALED ALUMINUM CONSTRUCTION
ATDW10	GRAVITY BACKDRAFT DAMPER	1	4110 SERIES	TO MEET LOCAL CODE	INSTALLED IN DUCT JUST BELOW ROOF DECK

KITCHEN EQUIPMENT CONTRACTOR TO COORDINATE WITH GENERAL, ROOFING, STRUCTURAL, ELECTRICAL, HVAC AND PLUMBING CONTRACT DOCUMENTS.
HOOD SYSTEM INSTALLER TO FIELD MEASURE KITCHEN VENTILATION SYSTEM BEFORE PRODUCT CONSTRUCTION AND INSTALL.

*TRIM MAY BE INCLUDED UPON VERIFICATION OF CEILING HEIGHT

ALLIED AIR PACKAGED EXHAUST VENTILATION SYSTEM

ITEM	SYSTEM PARTS	QTY.	MODEL	U.L. AND/OR ETL LISTINGS	REMARKS
AT1	EXHAUST HOOD	2	CHINOOK SERIES	U.L. 710 LISTING & NSF 2	TYPE 300, 18 GA. S/S CONSTRUCTION
AT2	GREASE BAFFLE FILTERS	LOT	CHG F50	R6593 CONTROL #845G	STAINLESS BAFFLE FILTERS - 16"
AT3	VAPOR PROOF LIGHTS	8	LEDR-144	U.L. E79253 & NSF 2	VAPOR PROOF LED LIGHT FIXTURES
AT4	UDS MOUNTED CONTROL PANEL	1	SEE DWG.	INCLUDED W/ EXHAUST HOOD	FLUSH - UDS MOUNTED - WIRED BY E.C.
AT5	SPACER	1	CUSTOM	TO MEET LOCAL CODE	TYPE 300, 18 GAUAGE S/S CONSTRUCTION - 12" WIDE
AT6	S/S TRIM ENCLOSURE	*0	CUSTOM	TO MEET LOCAL CODE	FROM TOP OF HOOD TO +2" ABOVE CEILING
AT7	FIRE SYSTEM	1	ANSUL R-102	U.L. 300 DESIGN	PRE-ENGINEERED - WET CHEMICAL
AT8	EXHAUST FAN	1	STXBHPRHUL30	U.L. 762	SEE DRAWING DETAILS
AT9	EXHAUST FAN ROOF CURB	0	VERIFY ROOF	TO MEET LOCAL CODE	VERIFY CONDITION - REUSE EXISTING CURB
AT10	EXHAUST DUCT CLEAN-OUT ACCESS	2	THERMAL CERAMICS	TO MEET LOCAL CODE	7" X 12" HATCH INSTALLED EVERY 10'-0" OF HORIZONTAL RUN OR CHANGE DIRECTION
AT11	EXHAUST DUCT SYSTEM INSTALLED	LOT	CUSTOM FIELD MEASURE	TO MEET LOCAL CODE	16 GAUGE, FULLY WELDED (LIQUID TIGHT) SEE DRAWING FOR DETAILS
AT12	EXHAUST DUCT FIRE RATED WRAP	LOT	THERMAL CERAMICS	TO MEET LOCAL CODE	FIELD VERIFY BUILDING MATERIALS FOR COMPLIANCE
AT13	PERFORATED MAKE-UP AIR PLENUM	2	BOTTOM DISCHARGE	INCLUDED W/ EXHAUST HOOD	S/S CONSTRUCTION WITH BALANCING DAMPERS & PERFORATED BOTTOM
AT14	TEMP SUPPLY UNIT	1	V-3 (SEE SCHEDULE)	ETL/527941	SEE DRAWING DETAILS
AT15	TEMP SUPPLY UNIT CURB	0	VERIFY ROOF	TO MEET LOCAL CODE	VERIFY CONDITION - REUSE EXISTING CURB
AT16	MAKE-UP AIR DUCT SYSTEM INSTALLED	LOT	CUSTOM FIELD MEASURE	TO MEET LOCAL CODE	22 GAUGE LOW PRESSURE STEEL PER SMACNA STANDARDS
AT17	12" DIA FLEX DUCT - MUA	8	CUSTOM FIELD MEASURE	TO MEET LOCAL CODE	INSULATED DUCT WITH BALANCING DAMPERS AT EACH CONNECTION TO PLENUM
AT18	TEMP SENSOR	2	AS-SNS/INT0801	TO MEET LOCAL CODE	"AUTO START" CONTROL W/ INTERLOCK TIME DELAY RELAY
AT19	S/S WALL PANELS	0	NA	TO MEET LOCAL CODE	TYPE 300 S/S CONSTRUCTION
AT20	S/S END PANELS	0	NA	TO MEET LOCAL CODE	TYPE 300 S/S CONSTRUCTION
AT21	MUA SUPPORT RAIL	1	SEE SCHEDULE	TO MEET LOCAL CODE	TYPE 300 S/S CONSTRUCTION

KITCHEN EQUIPMENT CONTRACTOR TO COORDINATE WITH GENERAL, ROOFING, STRUCTURAL, ELECTRICAL, HVAC AND PLUMBING CONTRACT DOCUMENTS.
HOOD SYSTEM INSTALLER TO FIELD MEASURE KITCHEN VENTILATION SYSTEM BEFORE PRODUCT CONSTRUCTION AND INSTALL.

*TRIM MAY BE INCLUDED UPON VERIFICATION OF CEILING HEIGHT

ALLIED AIR REFERENCE (ATI) HOOD SCHEDULE

HOOD ITEM	HOOD SIZE	HOOD WEIGHT	EXHAUST CFM	EXHAUST COLLAR SIZE	EXHAUST DUCT VELOCITY	EXHAUST S.P.	SUPPLY CFM	SUPPLY AIR DUCT SIZE	SUPPLY AIR DUCT VELOCITY	SUPPLY S.P.
H-27A	12'-0" X 5'-0"	720	3,000	12" X 20"	1,800 FPM	1.125"	2,400	(4) 12" DIA	764	2"
H-27B	10'-10" X 5'-0"	**720	2,750	12" X 18"	1,833 FPM	1.125"	2,200	(4) 12" DIA	701	2"
VR-55	4" X 16" X 48"	60	600	8" X 8"	1,440 FPM	.75"	N/A	N/A	N/A	N/A

**INCLUDES FIRE CABINET ATTACHED TO HOOD

EXHAUST HOOD CFM		CONDENSATE EXHAUST CFM	
EXHAUSTED AIR (CFM)	5,750	EXHAUSTED CONDENSATE AIR (CFM)	600
HEATED MAKE-UP AIR (CFM)	4,600	MAKE-UP AIR (CFM)	-0-

EXHAUST CFM TOTAL: 6,350 REMOVED BY HOODS: 6,350 RETURNED BY MUA: 4,600 BALANCE REQUIRED BY HVAC: 1,750 CFM

AVTEC INDUSTRIES
520 S. COLDWATER RD.
WEIDMAN, MI 48893

LISTED # 24M9 EXHAUST HOOD WITHOUT EXHAUST DAMPER
ENREGISTRE # 24M9 HOTTE DE VENTILATION SANS TRAPPE

NSF

	400F MAX COOKING TEMP	600F MAX COOKING TEMP	700F MAX COOKING TEMP
EXH. CFM/FT	275	304	N/A
SUP. CFM/FT	N/A	N/A	N/A
FRONT OVERHANG	6"	6"	N/A
SIDE OVERHANG	6"	6"	N/A
SPACE BETWEEN HOOD & COOKING EQUIPTMENT (MAX)	42"	42"	N/A

FOR USE WITH UL CLASSIFIED AL. OR STEEL GREASE FILTERS
REPLACE FUSIBLE LINK WITH UL LISTED 3-20LB 165°F LINK

CH HOOD LABEL
SCALE: NOT TO SCALE

KITCHEN VENTILATION RESPONSIBILITIES BY OTHER TRADES

GENERAL CONTRACTOR:

CUT OUT ROOF AND/OR WALL OPENINGS AS REQUIRED. NO OPENINGS ARE TO BE CUT UNTIL THE SIZE AND LOCATION IS VERIFIED WITH THE HOOD SYSTEM INSTALLER UPON SITE INSPECTION. SET IN PLACE ROOF CURBS AND SUPPORTS SUPPLIED AND LOCATED BY THE HOOD SYSTEM PROVIDER. FRAME AND REINFORCE ROOF STRUCTURE AS REQUIRED. COORDINATE JOIST OR STRUCTURAL MEMBER INSTALLATION TO PROVIDE REQUIRED CLEARANCES FOR DUCTWORK AND RATED ASSEMBLIES.

ELECTRICAL CONTRACTOR:

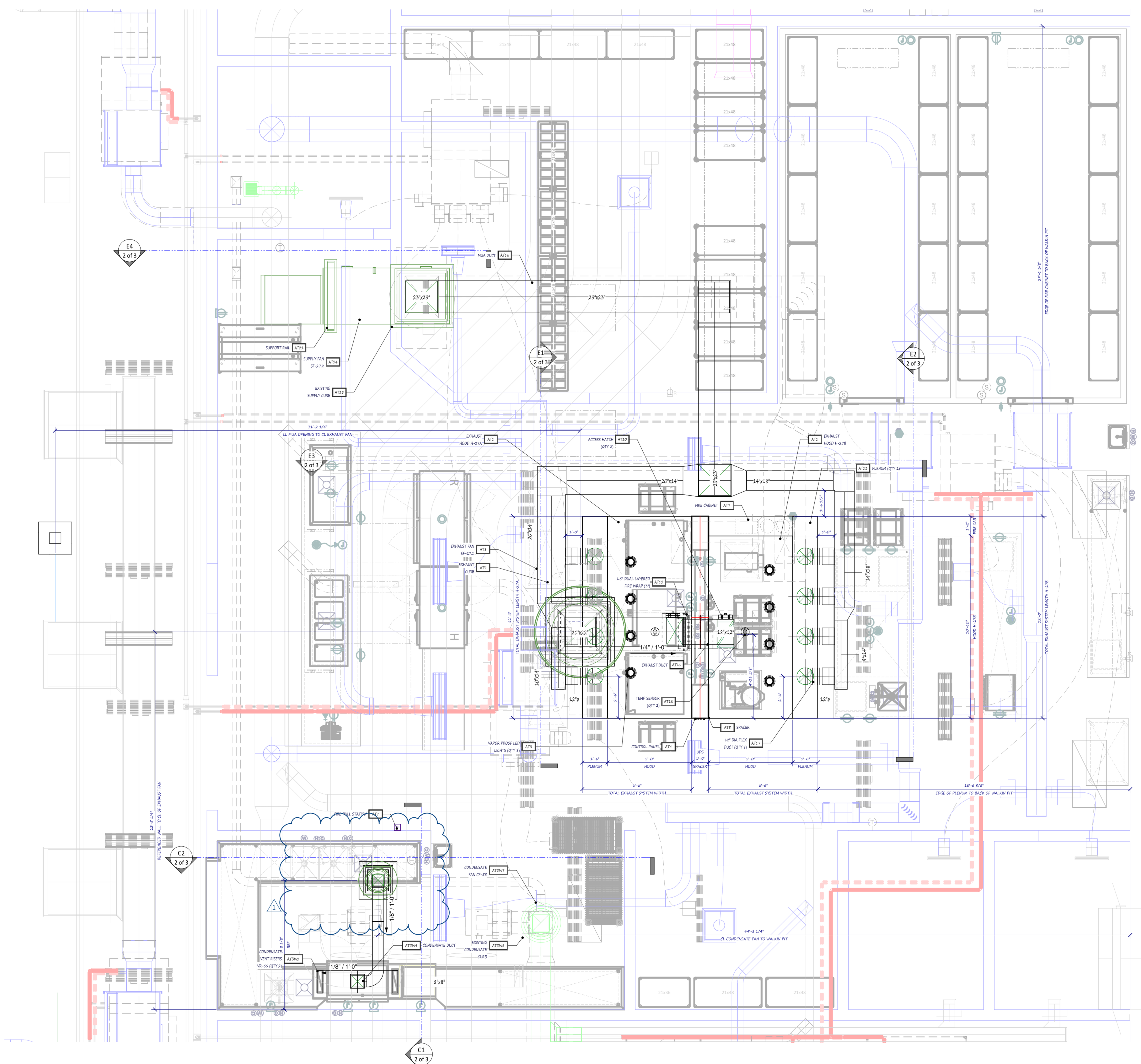
PROVIDE 120/60/1 20 AMP CIRCUIT, FOR HOOD LIGHTS AND CONTROLS TO JUNCTION BOX ON TOP OF HOOD AND CONNECT POWER TO ALL ADJOINING HOODS AS NECESSARY FOR LIGHTS IN ALL HOODS TO BE CONTROLLED FROM THE SAME SWITCH. PROVIDE 3 PHASE CIRCUIT (FOR FAN MOTORS) FROM BUILDING POWER SOURCE TO DISCONNECT MOUNTED IN MAKE-UP AIR UNIT CABINET. EXTEND POWER WIRING FROM MOTOR STARTER PANEL TO CONNECTION POINT ON EXHAUST FANS. EXTEND CONTROL WIRE WHIP (PROVIDED IN THE MAKE-UP AIR UNIT) TO JUNCTION BOX ON TOP OF THE EXHAUST HOOD AND CONNECT PER DETAIL ON THIS SHEET. PROVIDE CONDUIT AND THREE WIRES FROM TERMINAL BLOCK ON HOOD TO MICRO-SWITCH OF FIRE PROTECTION SYSTEM. INTERLOCK WIRING OF THE SUPPLY FANS MOTOR CONTROL DEVICE THROUGH THE FIRE SYSTEM MICRO SWITCH, SHUTTING OFF SUPPLY AIR IN THE EVENT OF FIRE SYSTEM ACTUATION. PROVIDE AND INSTALL AN OCTAGON BOX FOR THE FIRE SYSTEM PULL STATION, MOUNTING THE CENTERLINE OF THE BOX AT 54" ABOVE THE FINISHED FLOOR. RUN 1/2" CONDUIT FROM THE TOP OF THE BOX TO 6" ABOVE THE CEILING. PULL STATION TO BE PROVIDED WITH FIRE SYSTEM. PROVIDE AND INSTALL AUTOMATIC POWER SHUT OFF DEVICES (SHUNT TRIP BREAKERS, OR DEFINITE PURPOSE CONTACTORS) WITH INTERLOCK TO FIRE SYSTEM MICRO SWITCH, SHUTTING OFF ALL POWER BELOW THE HOOD (INCLUDING CONTROL VOLTAGE) IN THE EVENT OF FIRE SYSTEM ACTUATION. THIS WORK MUST BE IN ACCORDANCE WITH N.F.P.A. 17A, IEC, AND THE I.E.C.

HVAC CONTRACTOR:

PROVIDE NET ROOM AIR DEMAND AS INDICATED ON THE HOOD SYSTEM DRAWINGS. THIS AIR VOLUME IS REQUIRED ONLY WHEN HOOD SYSTEM IS IN OPERATION. PROVIDE NORMAL HEATING AND COOLING OF THE KITCHEN AREA.

PLUMBING CONTRACTOR:

INSTALL GAS VALVE (SUPPLIED WITH THE FIRE SUPPRESSION SYSTEM) IN THE MAIN SUPPLY LINE SERVING THE COOKING EQUIPMENT TO SHUT OFF GAS SERVICE TO THE COOKING EQUIPMENT IN THE EVENT OF FIRE SYSTEM ACTUATION. PROVIDE AND INSTALL SERVICE TO GAS FIRED FURNACE ON ROOF. PROVIDE AND INSTALL GAS PIPING TO ROOF (SIZE AS REQUIRED) AND CONNECT TO MAKE-UP AIR UNIT PER IMC.



E/C EXHAUST SYSTEM PLAN
SCALE: 3/8" = 1'-0"

Allied Technologies
Food Equipment, Inc.
926 SAYRE DRIVE
GREENWOOD, IN 46142
317.887.2020
www.alliedfoodequipment.com

CHERRY TREE ELEMENTARY
CARMEL, IN

REITANO - DON KEHRT

CHRIS OXFORD
Date 12.11.23
Revisions:
02.29.24 - REV1
00.00.00
00.00.00 Project Number CTE120823

1 of 3

Scale: As indicated

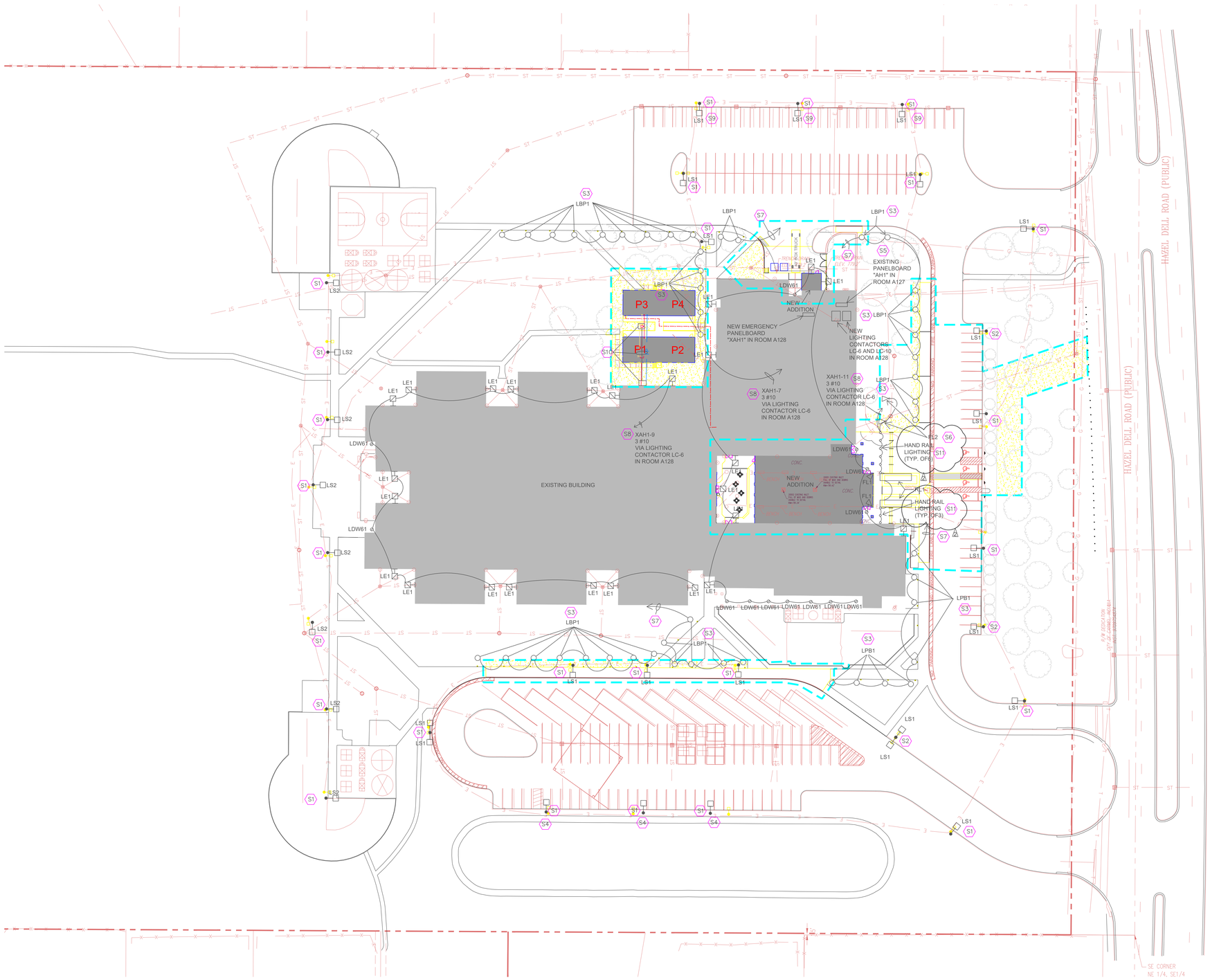
CD OVER REVIEW

PROJECT MANAGER: DK
DRAWN BY: RDG
PROJECT NUMBER: 222011.00
PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
	ADDENDUM #2	03-04-24

EXHAUST HOOD SYSTEM DETAILS

K5.02



ELECTRICAL SITE PLAN

1" = 40'-0"

PLAN NOTES:

S1 DISCONNECT AND REMOVE EXISTING POLE AND LIGHT FIXTURE AT THIS LOCATION. PROVIDE A NEW POLE AND LIGHT FIXTURE MOUNTED ON THE EXISTING CONCRETE BASE.

S2 PROVIDE A NEW LIGHT POLE AND CONCRETE BASE AT THIS LOCATION. WIRE NEW LIGHT POLE TO THE NEAREST EXISTING SITE LIGHTING CIRCUIT.

S3 PROVIDE A NEW LIGHT BALLARD AND CONCRETE BASE AT THIS LOCATION.

S4 THIS NEW LIGHT POLE IS TO BE PROVIDED WITH THREADED HUB AT THE MOUNTING HEIGHT OF THE SECURITY CAMERA. PROVIDE A HAND HOLE OPPOSITE OF THE THREADED HOLE.

S5 EXISTING CIRCUITS THAT FEED THE NEW "LS1" SITE LIGHTING FIXTURES ARE TO BE RUN THROUGH THE NEW 10 POLE LIGHTING CONTACTOR "LC-10" LOCATED IN ROOM A128.

S6 PROVIDE A NEW GROUND MOUNTED FLOOD LIGHT TO ILLUMINATE THE SCHOOL NAME ON THE FACE OF THE BUILDING.

S7 WIRE THE BALLARD LIGHT FIXTURES "LPB1" TO A SPARE 20 AMP, 1-POLE CIRCUIT BREAKER IN EXISTING PANELBOARD "AH1" IN ROOM A127. RUN THROUGH NEW LIGHTING CONTACTOR "LC-10" IN ROOM A128.

S8 NEW LIGHTING CONTACTOR LC-6 FOR THE BUILDING SECURITY LIGHTING, HANDRAIL LIGHTING, AND THE PLANTER RL1 LIGHTING IS TO BE A 6 POLE CONTACTOR.

S9 THIS LIGHT FIXTURE IS TO BE PROVIDED WITH A 15 DEGREE ANGLE ARM.

S10 RUN A 3-INCH CONDUIT FOR THE POWER TO THE ELECTRICAL PULL BOX BETWEEN THE TRAILERS, THEN RUN A 2-INCH CONDUIT FROM THE PULL BOX TO EAST TRAILER. RUN A 1-INCH CONDUIT FOR FIRE ALARM TO THE TECHNOLOGY PULL BOX BETWEEN TRAILERS, THEN A 1-INCH CONDUIT FROM THE PULL BOX TO EACH TRAILER. CONDUITS ARE TO BE RUN UNDERGROUND FROM THE PULL BOXES BACK TO THE BUILDING, THEN UP THE EXTERIOR WALL OF THE BUILDING AND STUBBED INTO THE SOFFIT SPACE. CONDUITS RUNNING UP THE EXTERIOR WALL ARE TO BE LOCATED TO MISS THE WINDOWS. VERIFY EXACT LOCATION IN THE FIELD.

S11 REFER TO THE ARCHITECTURAL DETAILS AND SPECIFICATION FOR ADDITIONAL REQUIREMENT FOR THE HANDRAIL LIGHTING AND INSTALLATION REQUIREMENTS.

2

CHERRY TREE ELEMENTARY SCHOOL ADDITION AND RENOVATION

13989 HAZEL DELL PARKWAY
CARMEL, IN 46033

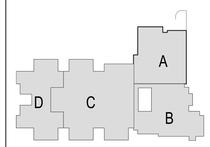
CARMEL CLAY SCHOOLS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

350 E NEW YORK ST# 300, INDIANAPOLIS, IN 46204



KEY PLAN

BIDS

BRIAN W. BUTLER REGISTERED No. PE 11600305 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: SAM
DRAWN BY: RR
PROJECT NUMBER: 222011
PROJECT ISSUE DATE: 02/09/2024

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #2	03-04-2024

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

ELECTRICAL SITE PLAN

E2.01

Drawing Path: J:\222011.00\Production\Electrical\Electrical Site Plan\ELECTRICAL SITE PLAN.dwg
Plotted By: rmgedenz Time of Plot: 3/3/24 - 11:41am Last Edited: 3/3/24 - 9:25am

LUMINAIRE SCHEDULE - GENERAL NOTES

1. SEE SPECIFICATIONS FOR DRIVER REQUIREMENTS.
2. FOR ALL DOWNLIGHTING FIXTURES, PROVIDE REQUIRED MOUNTING HARDWARE FOR MOUNTING IN LAY-IN TYPE CEILINGS.
3. CONTRACTOR TO VERIFY TYPES AND QUANTITY OF LIGHT FIXTURES REQUIRING EMERGENCY BATTERY UNITS AND PROVIDE REQUIRED QUANTITY OF EMERGENCY BATTERY UNITS, LABOR, MATERIAL, ETC. IN THE PROJECT BID FOR FIELD INSTALLATION OF EMERGENCY BATTERY UNITS.
4. LIGHT FIXTURE SUBMITTALS TO INCLUDE DATA SHEETS FOR ALL FIXTURE TYPES, INCLUDING ADDITIONAL DATA SHEETS FOR DRIVER COMBINATIONS REQUIRED TO MEET THE INSTALLATION REQUIREMENTS OF THE VARIOUS FIXTURE TYPES INDICATED IN THE REMARKS COLUMN OF THE FIXTURE SCHEDULES OR ON THE DRAWINGS. SUBMITTALS SHALL ALSO INDICATE COLOR FOR ANY CUSTOM COLOR LIGHT FIXTURES.
5. COLOR TEMPERATURE FOR ALL FIXTURES IS TO BE 4000K UNLESS NOTED OTHERWISE.
6. UNDER THE ALTERNATE BID FOR THE EMERGENCY GENERATOR ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGNS ARE TO BE PROVIDED WITH AN EMERGENCY TRANSFER DEVICES. UNDER THE BASE BID THEY ARE TO BE PROVIDE WITH AN EMERGENCY BATTERY UNIT.

LUMINAIRE SCHEDULE

PLAN TYPE	MANUFACTURER/CATALOG	MOUNTING	LAMPS NO.	LAMPS WATTS	LAMPS TYPE	LAMPS LUMENS	APPLIED VOLTAGE	DESCRIPTION	VA LOAD
C1	INSIGHT LIGHTING MX SERIES PINNACLE MOFFAT M SERIES SPI EIW11905 SERIES	SURFACE WALL	1	36.0 W	LED	0 lm	277 V	4-FOOT ADJUSTABLE MEDIUM OUTPUT. WALL MOUNTED LED UPLIGHT ASYMMETRIC FIXTURE. TEXTURED WHITE.	36 VA
C2	JESCO LIGHTING DL-AC-FLEXZ-BEAM SERIES CONTECH LIGHTING TLTAC SERIES LLI ARCHITECTURAL LIGHTING LLI-LAC4.0W SERIES	COVE	1	5.5 W	LED	314 lm	277 V	FLEXIBLE LINEAR LED STRIP LIGHTING MOUNTED IN COVE.	5.5 VA
C3	EXTANT HTG-IR-LP SERIES MARK SL1L SERIES	RECESSED	1	1.8 W	LED	143 lm	277 V	1.5 - INCH APERTURE RECESSED LED TRIMLESS FIXTURE. LENGTH PER DRAWINGS. INTERGRAL DRIVER, MUD RING.	1.8 VA
C4	MODALIGHT ELV SERIES 10 LIGHTING CS-SL SERIES LUMENPULSE LCN2 SERIES	COVE	1	19.0 W	LED	1966 lm	277 V	4-FOOT LED COVE LIGHT FIXTURES ADJUSTABLE 120 DEGREE BEAM ANGLE.	19 VA
D1	A-LIGHT LEAN SERIES	RECESSED	1	53.0 W	LED	4734 lm	277 V	2'BY2' INDIRECT RECESSED LAY-IN, WITH ACOUSTIC COLOR OPTION AS SHOWN ON DRAWINGS.	53 VA
D1X (2)	A-LIGHT LEAN SERIES	RECESSED	1	53.0 W (2)	LED	4734 lm	277 V	2'BY2' INDIRECT RECESSED LAY-IN, WITH ACOUSTIC COLOR OPTION AS SHOWN ON DRAWINGS. PROVIDE WITH EMERGENCY TRANSFER DEVICE. (2)	53 VA
DSC1	FLUXWERX PORTAL TC1 SERIES LUMENWERX CLIP1LR SERIES	RECESSED	1	9.0 W	LED	1300 lm	277 V	5.5 INCH MEDIUM BEAM, 80 CRI, WHITE POWDER COAT FIXTURE/TRIM FINISH AND OPTIC CHANNEL FINISH.	9 VA
FL1	LUMARK NFFLD-S SERIES LITHONIA ESXF LED SERIES STONECO FL20 SERIES	BRACKET MOUNTED	1	20.0 W	LED	2682 lm	277 V	ROOFTOP MOUNTED LED FLOOD LIGHT AIMED TO ILLUMINATE THE ENTRY TOWER.	
FL2	COOPER INVUE VFS SERIES LITHONIA DSXF1 SERIES	GROUND MOUNTED	1	46.0 W	LED	4132 lm	277 V	GROUND MOUNTED LED FLOOD LIGHT AIMED TO ILLUMINATE TO THE LETTERS ON THE FACE OF THE BUILDING. WIDE SYMMETRIC RECTANGULAR DISTRIBUTION.	46 VA
LCD41	PORTFOLIO LER4B SERIES GOTHAM INCITO 4 SERIES PRESCOLITE LTC-4RD SERIES	PENDANT	1	12.0 W	LED	1000 lm	277 V	4-INCH APERATURE OPEN REFLECTOR LED CYLINDER DOWNLIGHT, SURFACE MOUNTED WITH NO STEM. MEDIUM DISTRIBUTION, CLEAR SPECULAR REFLECTOR, 0-10VDC DIMMING FIXTURE HOUSING WHITE IN COLOR.	12 VA
LD61	PORTFOLIO LD6A SERIES LITHONIA LDN6 SERIES PRESCOLITE LF6LED SERIES	RECESSED	1	22.0 W	LED	1500 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY. FIXTURES IN SERVING AREA ARE TO BE EITHER 3000K OR 3500K AS NOTED, ALL OTHER INSTANCES TO BE 4000K	19 VA
LD61X	PORTFOLIO LD6A SERIES LITHONIA LDN6 SERIES PRESCOLITE LF6LED SERIES	RECESSED	1	22.0 W	LED	1500 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY, WITH EMERGENCY TRANSFER DEVICE.	22 VA
LD62	PORTFOLIO LD6A SERIES LITHONIA LDN6 SERIES PRESCOLITE LF6LED SERIES	RECESSED	1	22.0 W	LED	2000 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY. FIXTURES IN SERVING AREA ARE TO BE EITHER 3000K OR 3500K AS NOTED, ALL OTHER INSTANCES TO BE 4000K	19 VA
LD62X	PORTFOLIO LD6A SERIES LITHONIA LDN6 SERIES PRESCOLITE LF6LED SERIES	RECESSED	1	22.0 W	LED	2000 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY, WITH EMERGENCY TRANSFER DEVICE.	22 VA
LDW61	PORTFOLIO LD6A SERIES GOTHAM EVO SHOWER SERIES PRESCOLITE LF6LEDG4 SERIES	RECESSED	1	15.0 W	LED	1000 lm	277 V	6-INCH ROUND APERTURE LED SHOWER LIGHT WITH REGRESSED LENS REFLECTOR, WHITE REFLECTOR AND TRIM, SELF-FLANGED, IP65 WET LOCATION LISTED.	15 VA
LE1	McGRAW-EDISON LIGHTING GARDCO LIGHTING LITHONIA LIGHTING SPAULDING LIGHTING BEACON GEOPAK SERIES	SURFACE WALL	1		LED		277 V	HALF-CYLINDER LED WALL MOUNTED LUMINAIRE WITH DIE CAST ALUMINUM HOUSING, BOTTOM DIFFUSER FLUSH WITH THE DIE CASTING, TYPE 3 DISTRIBUTION, 70 CRI LEDs. LUMINAIRE COLOR: FROM MANUFACTURER STANDARD COLORS. MOUNT ONTO JUNCTION BOX. VANDAL RESISTANT	20 VA
LF1	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	39.0 W	LED	4000 lm	277 V	2 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING.	39 VA
LF1A	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	39.0 W	LED	4000 lm	277 V	1 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING.	39 VA
LF1AX	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	39.0 W	LED	4000 lm	277 V	1 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING, EMERGENCY TRANSFER DEVICE.	39 VA
LF1X	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	39.0 W	LED	4000 lm	277 V	2 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING, EMERGENCY TRANSFER DEVICE.	39 VA
LF1XA	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	39.0 W	LED	4000 lm	277 V	1 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING, EMERGENCY TRANSFER DEVICE.	39 VA
LF2	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	47.0 W	LED	4800 lm	277 V	2 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING.	47 VA
LF2X	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	47.0 W	LED	4800 lm	277 V	2 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING, EMERGENCY TRANSFER DEVICE.	47 VA
LF3	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	53.0 W	LED	6000 lm	277 V	2 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING.	53 VA
LF3X	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	53.0 W	LED	6000 lm	277 V	2 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING. EMERGENCY TRANSFER DEVICE.	53 VA
LFW2	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	47.0 W	LED	4800 lm	277 V	2 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING. DAMP LOCATION.	47 VA
LFW2X	LITHONIA CPX SERIES COLUMBIA CFP SERIES EATON METALUX CGT SERIES	RECESSED	1	47.0 W	LED	4800 lm	277 V	2 BY 4-FOOT BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 10% 0-10V DIMMING WITH AN EMERGENCY TRANSFER DEVICE, DAMP LOCATION (2)	47 VA
LPB1	COOPER INVUE	BALLARD	1	37.0 W	LED	1276 lm	277 V	36 - INCH TALL BALLARD, DIE CAST ALUMINUM HOUSING SYMETRIC DISTRIBUTION.	37 VA
LR2	METALUX WNLED SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES	SUSPENDED	1	48.0 W	LED	4000 lm	277 V	4-FOOT LED WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC DIMMING. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).	27 VA
LR2X	METALUX WNLED SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES	SUSPENDED	1	48.0 W	LED	4000 lm	277 V	4-FOOT LED WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC DIMMING, WITH EMERGENCY TRANSFER DEVICE. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).	27 VA
LR4	METALUX WNLED SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES	SUSPENDED	1	87.0 W	LED	7000 lm	277 V	4-FOOT WRAP LED AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC DIMMING. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).	87 VA
LR4X	METALUX WNLED SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES	SUSPENDED	1	87.0 W	LED	7000 lm	277 V	4-FOOT LED WRAP AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC DIMMING, WITH EMERGENCY TRANSFER DEVICE. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).	116 VA
LS1	LITHONIA RSX2 SERIES MCGRAW EDISON GALEON SERIES BEACON VIPER L SERIES	25'-0 " ROUND TAPERED POLE	1	270.0 W	LED	27301 lm	277 V	POLE MOUNTED LED FIXTURE ON A 25'-0" TALL POLE. CLEAR LENS, 70+CRI, 4000K, TYPE 3 DISTRIBUTION.	270 VA
LS2	LITHONIA RSX2 SERIES MCGRAW EDISON GALEON SERIES BEACON VIPER L SERIES	15'-0 " ROUND TAPERED POLE	1	180.0 W	LED	20000 lm	277 V	POLE MOUNTED LED FIXTURE ON A 15'-0" TALL POLE. CLEAR LENS, 70+CRI, 4000K, TYPE 3 DISTRIBUTION.	180 VA
LT044H	MARK ARCHITECTURAL SLOT 4 LED SERIES STARTEK LIGHTING AMERICA RBEAM SERIES LITECONTROL MOD 4 LED SERIES	RECESSED (2)	1	40.0 W	LED	4000 lm	277 V	4" BY 4-FOOT LED SLOT FIXTURE, MOUNTING METHOD PER PLANS, 100% DOWNLIGHT WITH ACRYLIC FLUSH SMOOTH DIFFUSER, 80 CRI, 0-10VDC DIMMING DRIVER.	40 VA
LT044HX	MARK ARCHITECTURAL SLOT 4 LED SERIES STARTEK LIGHTING AMERICA RBEAM SERIES LITECONTROL MOD 4 LED SERIES	RECESSED	1	40.0 W	LED	4000 lm	277 V	4" BY 4-FOOT LED SLOT FIXTURE, MOUNTING METHOD PER PLANS, 100% DOWNLIGHT WITH ACRYLIC FLUSH SMOOTH DIFFUSER, 80 CRI, 0-10VDC DIMMING DRIVER WITH EMERGENCY TRANSFER DEVICE.	40 VA
LWBS2X	METALUX SWLED SERIES LITHONIA WL4 SERIES COLUMBIA LBIL SERIES	SURFACE WALL	1	53.0 W	LED	3800 lm	277 V	4-FOOT WALL BRACKET TYPE LED STAIRWELL FIXTURE, FROSTED ACRYLIC LENS, INTEGRAL OCCUPANCY SENSOR. PROVIDE WITH DRIVER AS REQUIRED FOR AUTOMATIC DIMMING TO 50% OUTPUT DURING UNOCCUPIED TIMES. PROVIDE WITH EMERGENCY TRANSFER DEVICE.	53 VA
P1	LUXXBOX LX-DA SERIES	PENDANT	1	45.0 W	T8	3495 lm	277 V	TWO PENDANT MOUNTED 73.5 INCH LONG LED DOWNLIGHT FIXTURES MOUNTED END-TO-END. 0-10VDC DIMMING. DESIGN COLOR TO BE SELECTED AT A LATER DATE.	45 VA
P2	INDY LIGHTING LC6 SERIES SOLID STATE LUMINAIRES SSC6 SERIES	PENDANT	1	49.0 W	LED	5500 lm	277 V	PENDANT MOUNTED 6-INCH CYLINDER 0-10VDC, DIMMING,WIDE DISTRIBUTION, BRONZE SPECULAR FINISH	49 VA
P2X (2)	INDY LIGHTING LC6 SERIES SOLID STATE LUMINAIRES SSC6 SERIES	PENDANT	1	49.0 W	LED	5500 lm	277 V	PENDANT MOUNTED 6-INCH CYLINDER 0-10VDC, DIMMING,WIDE DISTRIBUTION, BRONZE SPECULAR FINISH. PROVIDE WITH EMERGENCY TRANSFER DEVICE.	49 VA
P3	LIGHTOLIER 3DP1HB SERIES BASELIGHT QSD22 SERIES	PENDANT	1	68.0 W	LED	10000 lm	277 V (2)	DECORATIVE HIGH BAY BELL SHAPED LIGHT FIXTURE, MEDIUM SIZE, CLEAR LOWER SHADE, LAYERED FINE TEXTURE, BRONZE FINISH. 1%, 0-10VD DIMMING	68 VA
P3X	LIGHTOLIER 3DP1HB SERIES BASELIGHT QSD22 SERIES	PENDANT	1	68.0 W	LED	10000 lm	277 V	DECORATIVE HIGH BAY BELL SHAPED LIGHT FIXTURE, MEDIUM SIZE, CLEAR LOWER SHADE, LAYERED FINE TEXTURE, BRONZE FINISH. 1%, 0-10VD DIMMING. PROVIDE WITH EMERGENCY TRANSFER DEVICE.	68 VA
RL1	LUMINII KURBA SERIES QTRAIN KURV SERIES KELVIN SW3SERIES (1)	SURFACE		80.0 W	LED	100 lm	277 V	ROPE LIGHT TO BE INSTALLED UNDER THE STONE LIP OF OUTDOOR PLANTER. PROVIDE ALL NECESSARY HARDWARE, DRIVERS ETC. AS REQUIRED FOR A COMPLETE SYSTEM	80 VA
WW1	PRUDENTIAL BPRO2-REC SERIES STARTEK LIGHTING AMERICA R SLIM SERIES	RECESSED	1	125.0 W	LED	825 lm	277 V	16 FOOT LONG RECESSED LINEAR WALL WASH. FLUSH LENS, STANDARD OUTPUT 0-10VDC MATTE WHITE FINISH.	125 VA
XC	SURE-LITES CX SERIES CHLORIDE 55 LINE SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMPRA SERIES	SURFACE CEILING	1	3.0 W	RED LED	0 lm	277 V	CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
XVW	SURE-LITES UX SERIES CHLORIDE 60 LINE SERIES LITHONIA LV SERIES DUAL-LITE SEWL SERIES	SURFACE WALL	1	3.0 W	RED LED	0 lm	277 V	CAST ALUMINUM, VANDAL RESISTANT AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING, LISTED FOR WET LOCATIONS. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
XW	SURE-LITES CX SERIES CHLORIDE 55 LINE SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMPRA SERIES	SURFACE WALL	1	3.0 W	RED LED	0 lm	277 V	CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA

Branch Panel: BH3

Location: ELEC B124 | **Supply From:** MSB-H | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 480/277 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 10 kA | **Mains Type:** M.L.O | **Mains Rating:** 200 A | **MCB Rating:** 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	Transformer TB1	100 A	3	14812	1412					1	20 A	Lighting - RM B108-B113	2
3	--	--	--			15014	416			1	20 A	VVF'S - B121, B131, B132	4
5	--	--	--					13584	416	1	20 A	VVF'S - B117, B119, B129, B130	6
7	Lighting - RM B114-B120, B128-B129	20 A	1	1312	312					1	20 A	VVF'S - B111, B112, B113	8
9	Lighting - RM B121-B127, B130-135, B201	20 A	1			1097	1856			3	20 A	AHU-3 6.7 FLA RM B201 (NOTE 1)	10
11	VVF'S B107, B108, B109, B110	20 A	1					416	1856	--	--	--	12
13	Spare	20 A	1	0	1856					--	--	--	14
15	Spare	20 A	1			0	5540			3	40 A	ACCU-3 25 MCA ROOFTOP (NOTE 2)	16
17	Spare	20 A	1					0	5540	--	--	--	18
19	Spare	20 A	1	0	5540					--	--	--	20
21	Spare	20 A	1			0	0			1	20 A	Spare	22
23	Spare	20 A	1					0	0	1	20 A	Spare	24
25	Spare	20 A	1	0	0					1	20 A	Spare	26
27	Spare	20 A	1			0	0			1	20 A	Spare	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	0	1	20 A	Spare	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
			Total Load:	25244 VA		23923 VA		21812 VA					
			Total Amps:	92 A		88 A		79 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	3821 VA	100.00%	3821 VA		
Motor	12058 VA	111.54%	13450 VA	**Total Conn. Load:**	70979 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	58833 VA
Receptacle - Convenience	27720 VA	68.04%	18860 VA	**Total Conn.:**	85 A
HVAC	18180 VA	90.00%	16362 VA	**Total Est. Demand:**	71 A
Receptacle - Undercounter Ref.	1200 VA	70.00%	840 VA		
Receptacle - Refrigerator	2000 VA	80.00%	1600 VA		
Receptacle - Microwave	3000 VA	50.00%	1500 VA		
Receptacle - Copy Machine	3000 VA	80.00%	2400 VA		

Notes:
NOTE 1: CONNECT WITH 3#12, #12G IN 3/4"C.
NOTE 2: CONNECT WITH 3#8, #10G IN 1"C.

Branch Panel: BL3

Location: ELEC B124 | **Supply From:** TB1 | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 208/120 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: 18 kA | **Mains Type:** MCB | **Mains Rating:** 200 A | **MCB Rating:** 200 A

Notes: INTEGRAL SURGE PROTECTION

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Receptacle - B109, B108	20 A	1	1080	900					1	20 A	RECEPTS RM - B122, B201	2
3	AUTOMATIC DOOR RM - B108	20 A	1			1127	0			1	20 A	AHU LIGHTS/RECEPTS RM - B201	4
5	AUTOMATIC DOOR RM - B108	20 A	1					1127	470	1	20 A	EF 16, PUH-B1 RM - B201	6
7	AUTOMATIC DOOR RM - B108	20 A	1	1127	385					1	20 A	EF-14, EF-16, CUH-B1	8
9	AUTOMATIC DOOR RM - B101	20 A	1			1127	1440			1	20 A	RECEPTS RM - B115	10
11	AUTOMATIC DOOR RM - B101	20 A	1					1127	1440	1	20 A	RECEPTS RM - B116	12
13	RECEPTS RM - B110	20 A	1	1080	1080					1	20 A	RECEPTS RM - B117	14
15	RECEPTS RM - B101, B109	20 A	1			1800	900			1	20 A	RECEPTS RM - B118	16
17	RECEPTS RM - B109	20 A	1					1440	1080	1	20 A	RECEPTS RM - B129	18
19	REFRIGERATOR RM - B111	20 A	1	600	1080					1	20 A	RECEPTS COURTYARD	20
21	RECEPTS RM - B111	20 A	1			1080	1260			1	20 A	RECEPTS RM - B130	22
23	RECEPTS RM - B111	20 A	1					1260	900	1	20 A	RECEPTS RM - B131	24
25	REFRIGERATOR RM - B112	20 A	1	600	900					1	20 A	RECEPTS RM - B132	26
27	RECEPTS RM - B112, B113	20 A	1			1440	1260			1	20 A	RECEPTS RM - B120, B123-B125, B128, B133	28
29	RECEPTS RM - B114	20 A	1					1440	0	1	20 A	Spare	30
31	RECEPTS RM - B134	20 A	1	900	1500					1	20 A	COPIER RM - B121	32
33	RECEPTS RM - B135	20 A	1			900	1500			1	20 A	COPIER RM - B121	34
35	RECEPTS RM - B135	20 A	1					720	1500	1	20 A	MICROWAVE RM - B121	36
37	REFRIGERATOR RM - B135	20 A	1	1000	1500					1	20 A	MICROWAVE RM - B121	38
39	ICE MAKER RM - B135	20 A	1			180	1000			1	20 A	REFRIGERATOR RM - B121	40
41	Spare	20 A	1					0	1080	1	20 A	RECEPTS RM - B121	42
43	Spare	20 A	1	0	1080					1	20 A	RECEPTS RM - B121	44
45	Spare	20 A	1			0	0			1	20 A	Spare	46
47	Spare	20 A	1					0	0	1	20 A	Spare	48
49	Spare	20 A	1	0	0					1	20 A	Spare	50
51	Spare	20 A	1			0	0			1	20 A	Spare	52
53	Spare	20 A	1					0	0	1	20 A	Spare	54
55	Spare	20 A	1	0	0					1	20 A	Spare	56
57	Spare	20 A	1			0	0			1	20 A	Spare	58
59	Spare	20 A	1					0	0	1	20 A	Spare	60
			Total Load:	14812 VA		15014 VA		13584 VA					
			Total Amps:	125 A		127 A		113 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	6490 VA	104.34%	6772 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	43410 VA
Receptacle - Convenience	27720 VA	68.04%	18860 VA	**Total Est. Demand:**	31972 VA
Receptacle - Undercounter Ref.	1200 VA	70.00%	840 VA	**Total Conn.:**	120 A
Receptacle - Refrigerator	2000 VA	80.00%	1600 VA	**Total Est. Demand:**	89 A
Receptacle - Microwave	3000 VA	50.00%	1500 VA		
Receptacle - Copy Machine	3000 VA	80.00%	2400 VA		

Notes:

CHERRY TREE ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS

13989 Hazel Dell Pkwy, Carmel, IN 46033

CARMEL CLAY SCHOOLS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

350 E. NEW YORK ST, INDIANAPOLIS IN 46204

CONSULTANT

BRIAN W. BUTLER REGISTERED No. PE10000065 STATE OF PROFESSIONAL ENGINEER

PROJECT MANAGER: SAM
DRAWN BY: RDR
PROJECT NUMBER: 222011.00
PROJECT ISSUE DATE: 02.09.2024

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2-23-24
2	ADDENDUM #2	3-3-24

LUMINAIRE & PANELBOARD SCHEDULES

E8.01