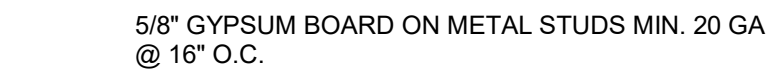
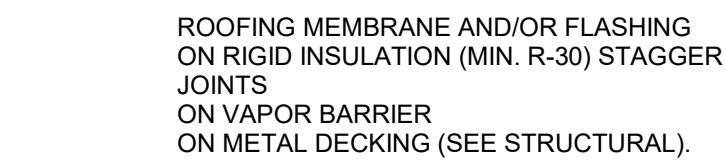
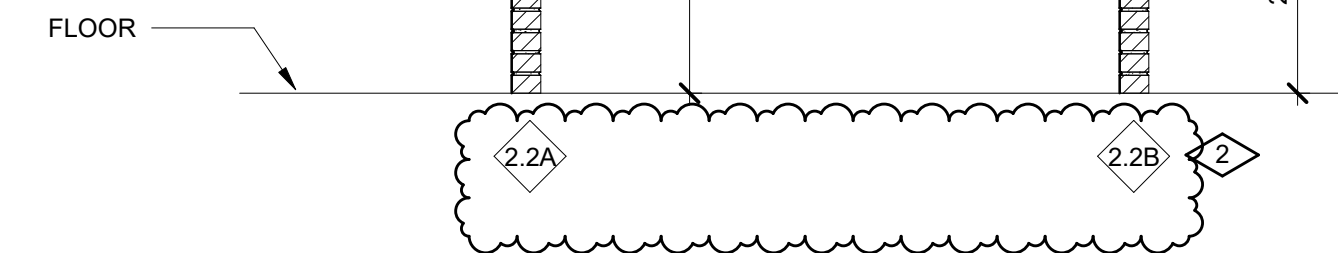


$$\overline{1/2^* \equiv 1'-0^*}$$

$$\overline{1/2^*} \equiv 1^*-0^*$$

$$\overline{1/2'' = 1'-0''}$$
LOCATION NUMBER GRID

## ARCHITECTURAL MATERIAL LEGEND

## LEGEND OF ABBREVIATIONS

## ARCHITECTURAL SYMBOL LEGEND

	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE

 WTAARCH.COM

WTA ARCHITECTS

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

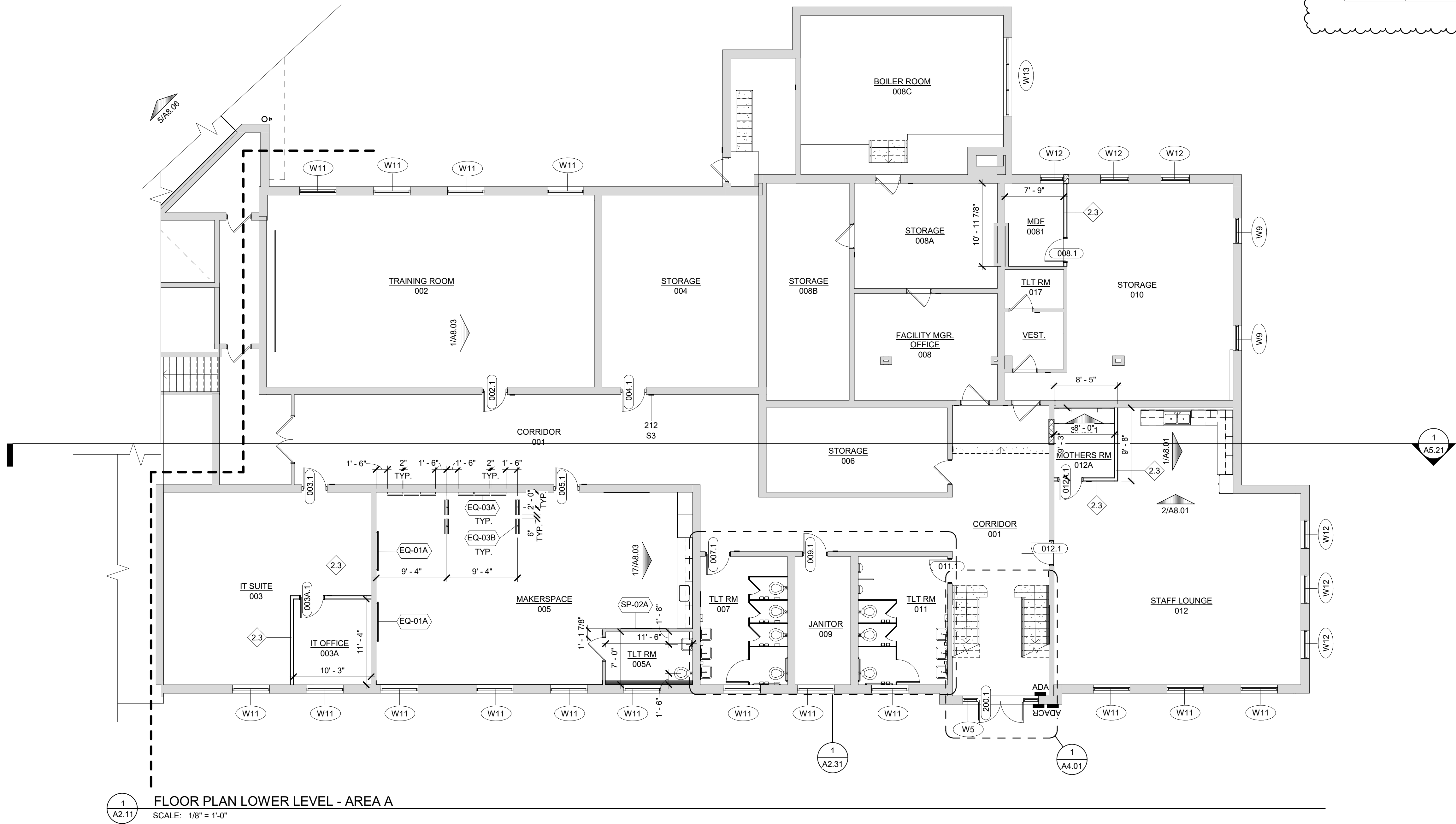
SHEET TITLE	PROJECT INFORMATION
-------------	---------------------

PROJECT NUMBER 2022006.1	SHEET NUMBER
-----------------------------	--------------

PROJECT DATE AUGUST 23, 2023	GO.01
---------------------------------	-------

CHECKED BY	
JMJ	

GO.01



1  
A2.11 FLOOR PLAN LOWER LEVEL - AREA A  
SCALE: 1/8" = 1'-0"

#### SPECIALTIES SCHEDULE

ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALL D BY	COMMENTS
SP-01	MARKERBOARD	4' - 0"	4' - 0"	G.C.	G.C.	
SP-01A	MARKERBOARD	4' - 0"	6' - 0"	G.C.	G.C.	
SP-01B	GLASS MARKERBOARD	4' - 0"	10' - 0"	G.C.	G.C.	
SP-02	TACKBOARD	4' - 0"	4' - 0"	G.C.	G.C.	
SP-02A	TACKBOARD	4' - 0"	6' - 0"	G.C.	G.C.	
SP-02B	TACKBOARD	4' - 0"	8' - 0"	G.C.	G.C.	
SP-03A	ART HANGING SYSTEM	0' - 1"	6' - 0"	G.C.	G.C.	
SP-03B	ART HANGING SYSTEM	0' - 1"	2' - 0"	G.C.	G.C.	
SP-04	CLIMBING WALL			G.C.		REFER TO FINISH PLANS FOR FLOORING NOTES

#### EQUIPMENT SCHEDULE

ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-01A	TELEVISION			OWNER	G.C.	
EQ-01B	TELEVISION			OWNER	G.C.	
EQ-01C	TELEVISION			OWNER	G.C.	
EQ-01D	TELEVISION			OWNER	G.C.	
EQ-02	REFRIGERATOR			OWNER	G.C.	
EQ-03A	LIGHT DISPLAY BOARDS			G.C.	G.C.	WALL MOUNTED
EQ-03B	LIGHT DISPLAY BOARDS			G.C.	G.C.	CEILING/FLOOR MOUNTED
EQ-04	STOVE			OWNER	G.C.	
EQ-05	DISHWASHER			OWNER	G.C.	
EQ-06	UNDERCOUNTER REFRIGERATOR			OWNER	G.C.	
EQ-07	COPIER			OWNER	G.C.	
EQ-08	WASHER			OWNER	G.C.	
EQ-09	DRYER			OWNER	G.C.	
EQ-10	WALL OVEN			OWNER	G.C.	
EQ-11	MICROWAVE			OWNER	G.C.	

#### GENERAL PLAN NOTES:

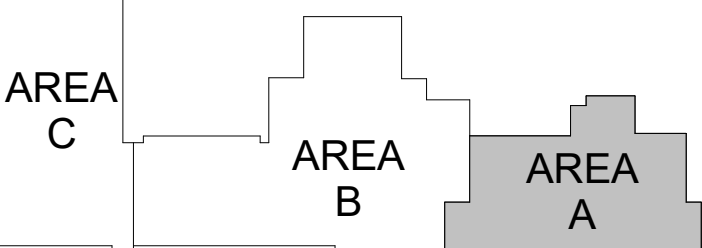
- DIMENSIONS INDICATED ARE FROM THE FACE OF STUD AND FACE OF MASONRY UNLESS NOTED OTHERWISE. REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS NOT INDICATED ON OVERALL PLANS.
- REFER TO FLOOR FINISH PLANS FOR FLOOR MATERIALS & PATTERNS.
- PLUMBING FIXTURES ARE SHOWN FOR REFERENCE & LOCATION ONLY. REFER TO MECHANICAL DRAWINGS FOR DETAILS & SPECIFICATIONS.
- CONTRACTOR TO COORDINATE LOCATIONS OF ADDITIONAL PENETRATIONS THROUGH WALLS AND FLOORS NOT INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL. REFER TO STRUCTURAL DRAWINGS FOR LINTEL OR FRAMING REQUIREMENTS.
- ALL INTERIOR WALLS ARE 8" CMU (2.0) UNLESS OTHERWISE NOTED.

#### # PLAN KEYNOTES

- TOILET PARTITION
- MOP SINK (REFER TO MECHANICAL DRAWINGS FOR DETAILS)
- UTILITY SHELF W/ MOP HOLDER: RE: SPEC.
- SENSORY SWING, RE: FURNISHED BY OWNER
- COPY MACHINE BY OWNER, RE: ELECT.
- SHOWER ROD
- DOWNSPOUT NOZZEL
- NEW COLUMN FOR EXISTING BEAM, CONTRACTOR TO CONDUCT ON SITE CONFERENCE WITH ARCHITECT AND ENGINEER TO VERIFY LOCATION AND DETERMINE IF WHAT IS SHOWN IS APPROPRIATE.
- ADULT CHANGING TABLE
- ADA BENCH

2	ADDENDUM NO. 2	09/08/23
	ISSUED FOR BID	08/23/23

NO.	REVISION	DATE
-----	----------	------



KEY PLAN  
NORTH NO SCALE

WTA ARCHITECTS  
100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
FLOOR PLAN - AREA A -  
LOWER LEVEL

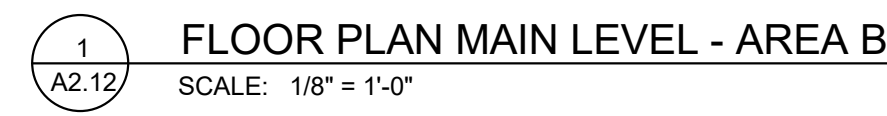
PROJECT NUMBER  
2022006.1

PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

SHEET NUMBER

A2.11

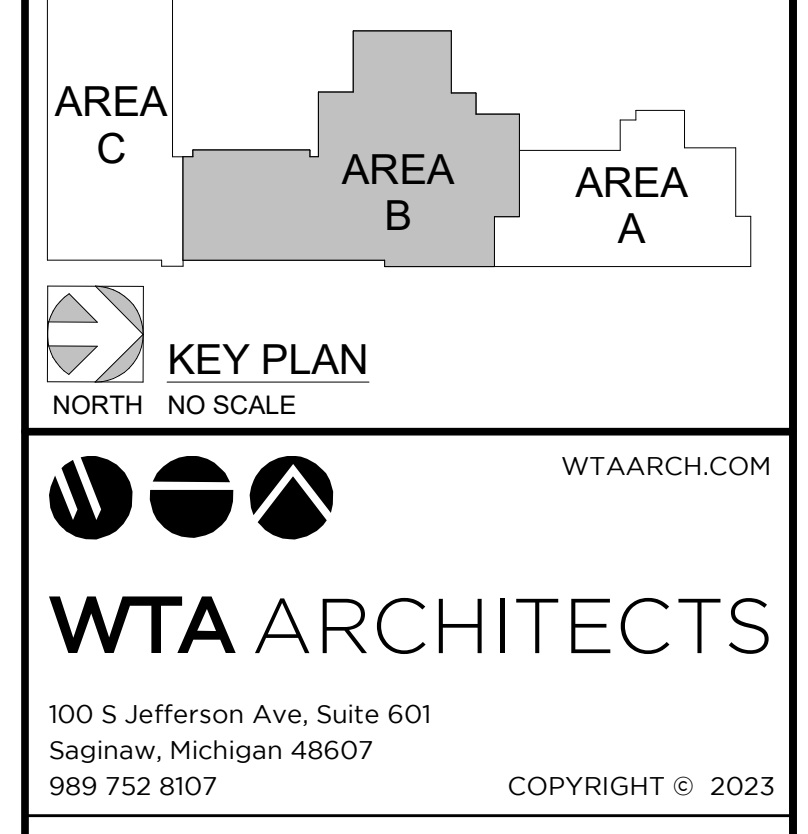


## GENERAL PLAN NOTES:

1. DIMENSIONS INDICATED ARE FROM THE FACE OF STUD AND FACE OF MASONRY UNLESS NOTED OTHERWISE. REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS NOT INDICATED ON OVERALL PLANS.
2. REFER TO FLOOR FINISH PLANS FOR FLOOR MATERIALS & PATTERNS.
3. PLUMBING FIXTURES ARE SHOWN FOR REFERENCE & LOCATION ONLY. REFER TO MECHANICAL DRAWINGS FOR DETAILS & SPECIFICATIONS.
4. CONTRACTOR TO COORDINATE LOCATIONS OF ADDITIONAL PENETRATIONS THROUGH WALLS AND FLOORS NOT INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL. REFER TO STRUCTURAL DRAWINGS FOR LINTEL OR FRAMING REQUIREMENTS.
5. ALL INTERIOR WALLS ARE 8" CMU (2.0) UNLESS OTHERWISE NOTED.

#	PLAN KEYNOTES
1	TOILET PARTITION
2	MOP SINK (REFER TO MECHANICAL DRAWINGS FOR DETAILS)
3	UTILITY SHELF W/ MOP HOLDER, RE: SPEC.
4	SENSORY SWING, RE: FURNISHED BY OWNER
5	COPY MACHINE BY OWNER, RE: ELECT.
6	SHOWER ROD
7	DOWNSPOUT NOZZEL
8	NEW COLUMN FOR EXISTING BEAM, CONTRACTOR TO CONDUCT ON SITE CONFERENCE WITH ARCHITECT AND ENGINEER TO VERIFY LOCATION AND DETERMINE IF WHAT IS SHOWN IS APPROPRIATE.
9	ADULT CHANGING TABLE
10	ADA BENCH

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE



PROJECT TITLE

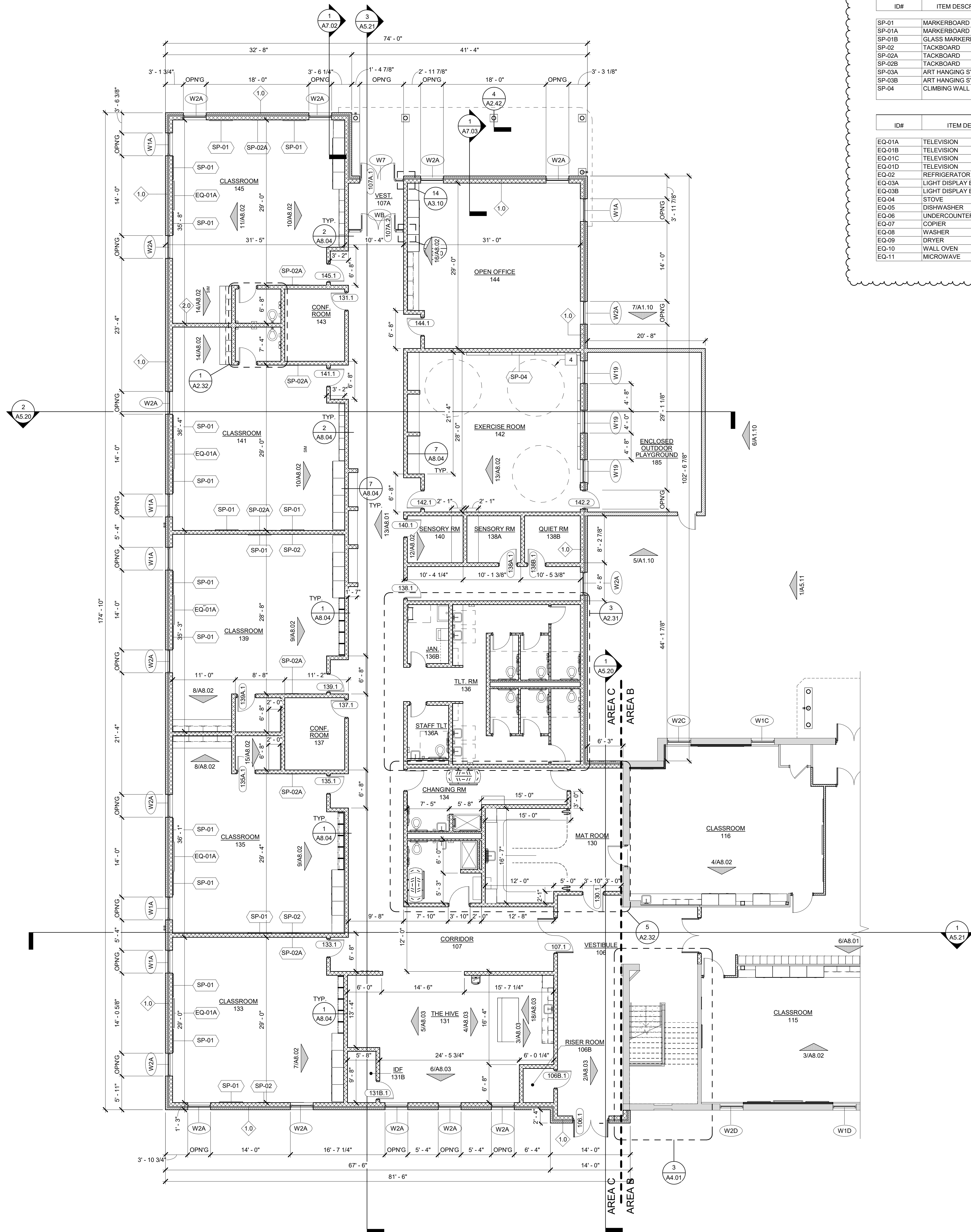
RENOVATION AND  
ADDITION:

MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

PROJECT NUMBER 2022006.1	SHEET NUMBER  A2.12
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JMJ	





1 FLOOR PLAN MAIN LEVEL - AREA C  
SCALE: 1/8" = 1'-0"

SPECIALTIES SCHEDULE						
ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALL D BY	COMMENTS
SP-01	MARKERBOARD	4'-0"	4'-0"	G.C.	G.C.	
SP-01A	MARKERBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-01B	GLASS MARKERBOARD	4'-0"	10'-0"	G.C.	G.C.	
SP-02	TACKBOARD	4'-0"	4'-0"	G.C.	G.C.	
SP-02A	TACKBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-02B	TACKBOARD	4'-0"	8'-0"	G.C.	G.C.	
SP-03A	ART HANGING SYSTEM	0'-1"	6'-0"	G.C.	G.C.	
SP-03B	ART HANGING SYSTEM	0'-1"	2'-0"	G.C.	G.C.	
SP-04	CLIMBING WALL			G.C.		REFER TO FINISH PLANS FOR FLOORING NOTES

EQUIPMENT SCHEDULE						
ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-01A	TELEVISION			OWNER	G.C.	
EQ-01B	TELEVISION			OWNER	G.C.	
EQ-01C	TELEVISION			OWNER	G.C.	
EQ-01D	TELEVISION			OWNER	G.C.	
EQ-02	REFRIGERATOR			OWNER	G.C.	
EQ-03A	LIGHT DISPLAY BOARDS			G.C.	G.C.	WALL MOUNTED
EQ-03B	LIGHT DISPLAY BOARDS			G.C.	G.C.	CEILING/FLOOR MOUNTED
EQ-04	STOVE			OWNER	G.C.	
EQ-05	DISHWASHER			OWNER	G.C.	
EQ-06	UNDERCOUNTER REFRIGERATOR			OWNER	G.C.	
EQ-07	COPIER			OWNER	G.C.	
EQ-08	WASHER			OWNER	G.C.	
EQ-09	DRYER			OWNER	G.C.	
EQ-10	WALL OVEN			OWNER	G.C.	
EQ-11	MICROWAVE			OWNER	G.C.	

GENERAL PLAN NOTES:

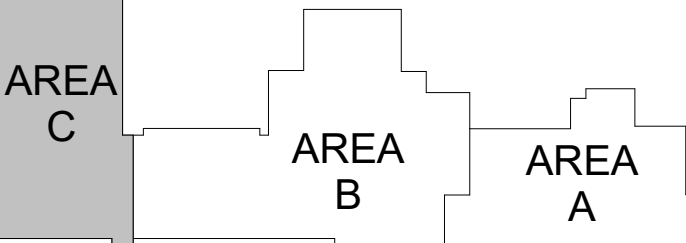
- DIMENSIONS INDICATED ARE FROM THE FACE OF STUD AND FACE OF MASONRY UNLESS NOTED OTHERWISE. REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS NOT INDICATED ON OVERALL PLANS.
- REFER TO FLOOR FINISH PLANS FOR FLOOR MATERIALS & PATTERNS.
- PLUMBING FIXTURES ARE SHOWN FOR REFERENCE & LOCATION ONLY. REFER TO MECHANICAL DRAWINGS FOR DETAILS & SPECIFICATIONS.
- CONTRACTOR TO COORDINATE LOCATIONS OF ADDITIONAL PENETRATIONS THROUGH WALLS AND FLOORS NOT INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL. REFER TO STRUCTURAL DRAWINGS FOR LINTEL OR FRAMING REQUIREMENTS.
- ALL INTERIOR WALLS ARE 8" CMU (2.0) UNLESS OTHERWISE NOTED.

# PLAN KEYNOTES

- TOILET PARTITION
- MOP SINK (REFER TO MECHANICAL DRAWINGS FOR DETAILS)
- UTILITY SHELF W/ MOP HOLDER, RE: SPEC.
- SENSORY SWINGS, RE: FURNISHED BY OWNER
- COPY MACHINE BY OWNER, RE: ELECT.
- SHOWER ROD
- DOWNSPOUT NOZZEL
- NEW COLUMN FOR EXISTING BEAM, CONTRACTOR TO CONDUCT ON SITE CONFERENCE WITH ARCHITECT AND ENGINEER TO VERIFY LOCATION AND DETERMINE IF WHAT IS SHOWN IS APPROPRIATE.
- ADULT CHANGING TABLE
- ADA BENCH

2	ADDENDUM NO. 2	09/08/23
	ISSUED FOR BID	08/23/23

NO.	REVISION	DATE
-----	----------	------



KEY PLAN  
NORTH - NO SCALE

WTAARCH.COM

WTA ARCHITECTS

100 S. Jefferson Ave., Suite 601  
Saginaw, Michigan 48607  
989.752.8107  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
FLOOR PLAN - AREA C -  
MAIN LEVEL

PROJECT NUMBER  
2022006.1

PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

SHEET NUMBER

A2.13



SPECIALTIES SCHEDULE						
ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALL D BY	COMMENTS
SP-01	MARKERBOARD	4' - 0"	4' - 0"	G.C.	G.C.	
SP-01A	MARKERBOARD	4' - 0"	6' - 0"	G.C.	G.C.	
SP-01B	GLASS MARKERBOARD	4' - 0"	10' - 0"	G.C.	G.C.	
SP-02	TACKBOARD	4' - 0"	4' - 0"	G.C.	G.C.	
SP-02A	TACKBOARD	4' - 0"	6' - 0"	G.C.	G.C.	
SP-02B	TACKBOARD	4' - 0"	8' - 0"	G.C.	G.C.	
SP-03A	ART HANGING SYSTEM	0' - 1"	6' - 0"	G.C.	G.C.	
SP-03B	ART HANGING SYSTEM	0' - 1"	2' - 0"	G.C.	G.C.	
SP-04	CLIMBING WALL			G.C.		REFER TO FINISH PLANS FOR FLOORING NOTES

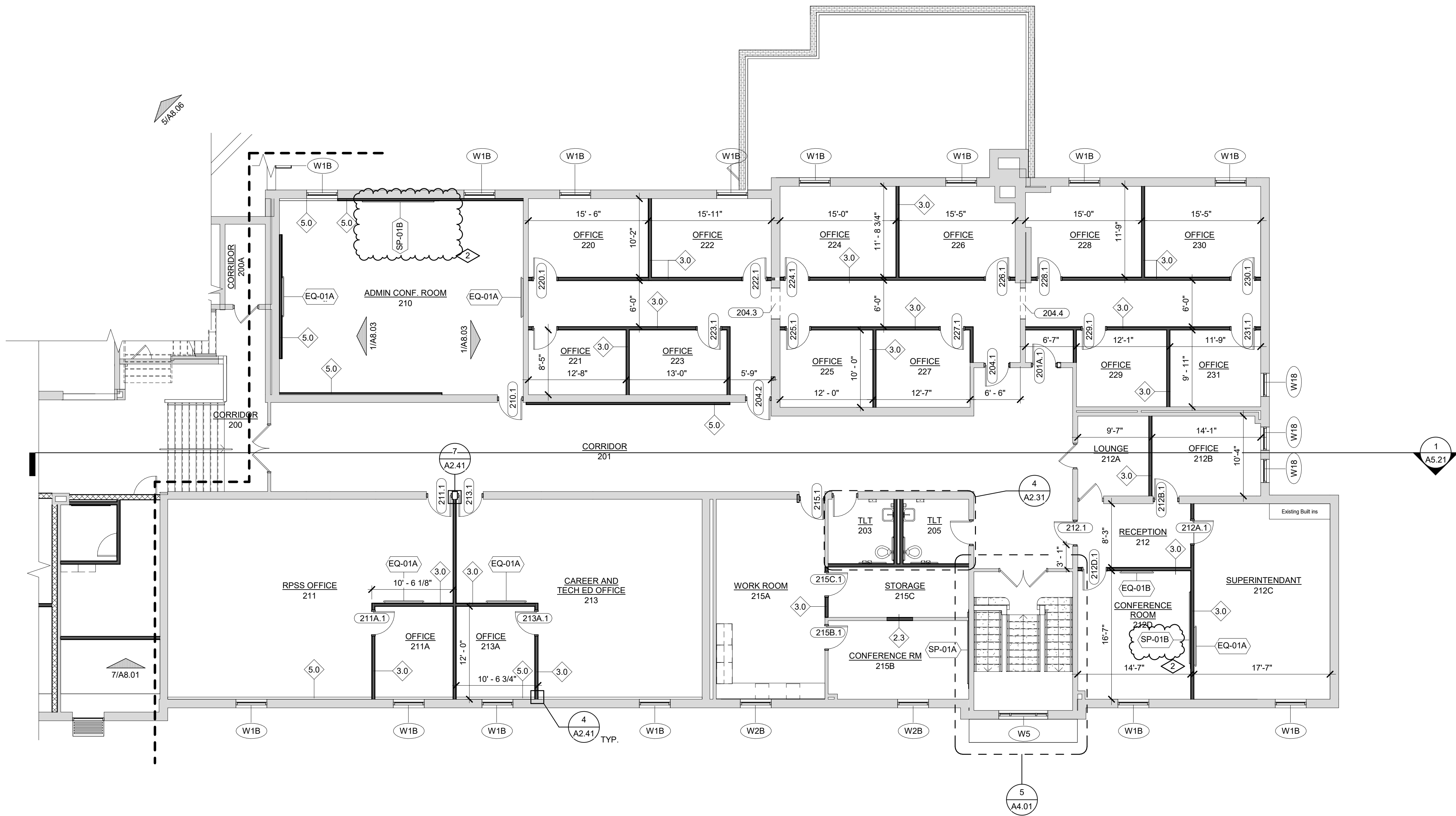
EQUIPMENT SCHEDULE						
ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-01A	TELEVISION			OWNER	G.C.	
EQ-01B	TELEVISION			OWNER	G.C.	
EQ-01C	TELEVISION			OWNER	G.C.	
EQ-01D	TELEVISION			OWNER	G.C.	
EQ-02	REFRIGERATOR			OWNER	G.C.	
EQ-03A	LIGHT DISPLAY BOARDS			G.C.	G.C.	WALL MOUNTED
EQ-03B	LIGHT DISPLAY BOARDS			G.C.	G.C.	CEILING/FLOOR MOUNTED
EQ-04	STOVE			OWNER	G.C.	
EQ-05	DISHWASHER			OWNER	G.C.	
EQ-06	UNDERCOUNTER REFRIGERATOR			OWNER	G.C.	
EQ-07	COPIER			OWNER	G.C.	
EQ-08	WASHER			OWNER	G.C.	
EQ-09	DRYER			OWNER	G.C.	
EQ-10	WALL OVEN			OWNER	G.C.	
EQ-11	MICROWAVE			OWNER	G.C.	

## GENERAL PLAN NOTES:

- DIMENSIONS INDICATED ARE FROM THE FACE OF STUD AND FACE OF MASONRY UNLESS NOTED OTHERWISE. REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS NOT INDICATED ON OVERALL PLANS.
- REFER TO FLOOR FINISH PLANS FOR FLOOR MATERIALS & PATTERNS.
- PLUMBING FIXTURES ARE SHOWN FOR REFERENCE & LOCATION ONLY. REFER TO MECHANICAL DRAWINGS FOR DETAILS & SPECIFICATIONS.
- CONTRACTOR TO COORDINATE LOCATIONS OF ADDITIONAL PENETRATIONS THROUGH WALLS AND FLOORS NOT INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL. REFER TO STRUCTURAL DRAWINGS FOR LINTEL OR FRAMING REQUIREMENTS.
- ALL INTERIOR WALLS ARE 8" CMU (2.0) UNLESS OTHERWISE NOTED.

## # PLAN KEYNOTES

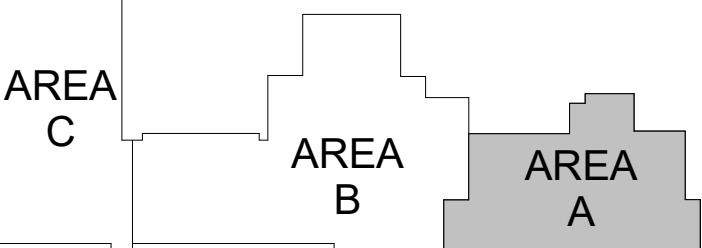
- TOILET PARTITION
- MOP SINK (REFER TO MECHANICAL DRAWINGS FOR DETAILS)
- UTILITY SHELF W/ MOP HOLDER; RE: SPEC.
- SENSORY SWING; RE: FURNISHED BY OWNER
- COPY MACHINE BY OWNER; RE: ELECT.
- SHOWER ROD
- DOWNSPOUT NOZZEL
- NEW COLUMN FOR EXISTING BEAM, CONTRACTOR TO CONDUCT ON SITE CONFERENCE WITH ARCHITECT AND ENGINEERS TO VERIFY LOCATION AND DETERMINE IF WHAT IS SHOWN IS APPROPRIATE.
- ADULT CHANGING TABLE
- ADA BENCH



1  
A2.14  
FLOOR PLAN UPPER LEVEL - AREA A  
SCALE: 1/8" = 1'-0"

2	ADDENDUM NO. 2	09/08/23
	ISSUED FOR BID	08/23/23

NO.	REVISION	DATE
-----	----------	------



KEY PLAN  
NORTH NO SCALE

WTAARCH.COM  
**WTA ARCHITECTS**  
100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107 COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
FLOOR PLAN - AREA A -  
UPPER LEVEL 2

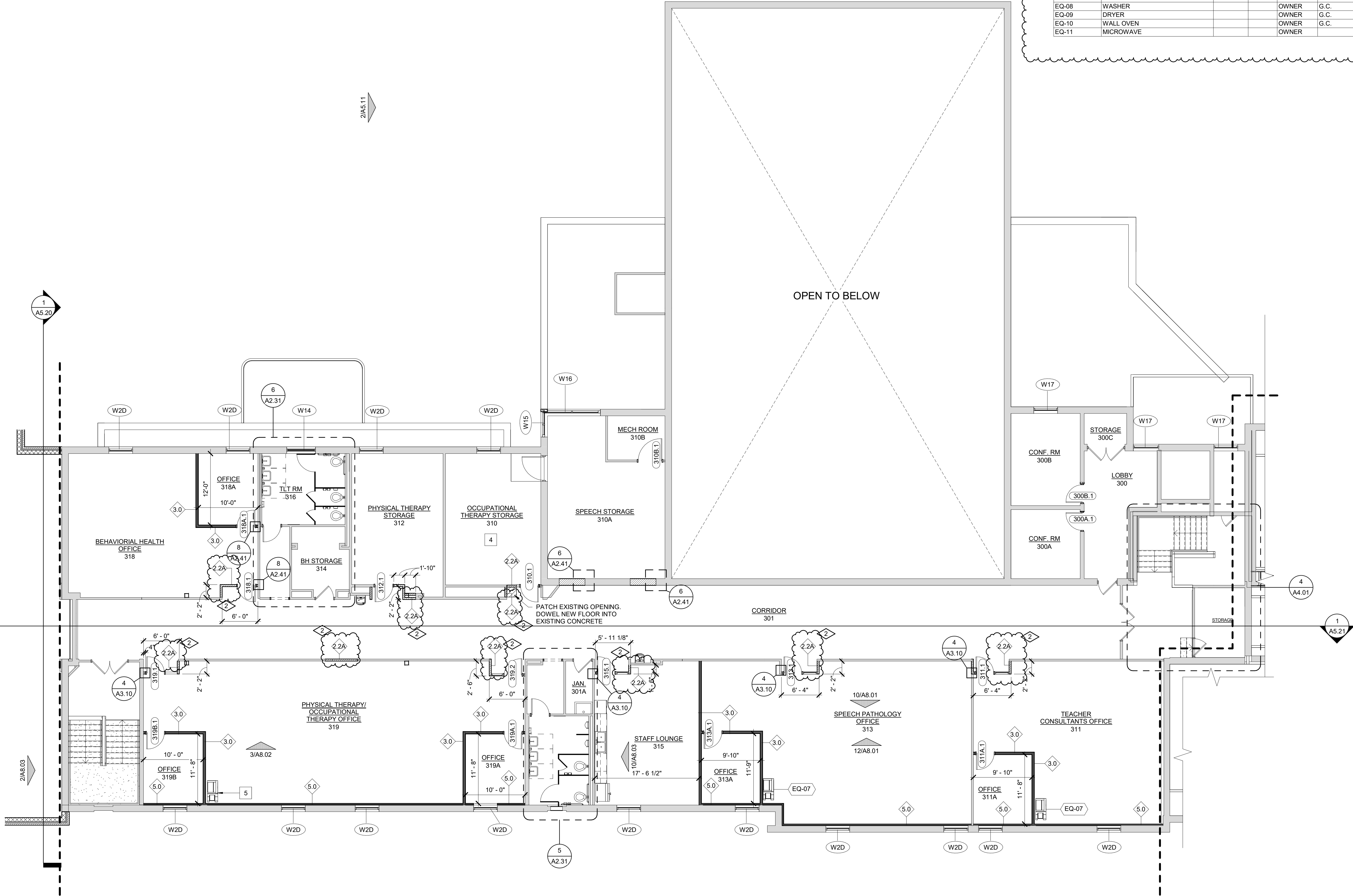
PROJECT NUMBER  
2022006.1

PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

SHEET NUMBER

A2.14



1 FLOOR PLAN UPPER LEVEL - AREA B  
SCALE: 1/8" = 1'-0"

SPECIALTIES SCHEDULE						
ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALL D BY	COMMENTS
SP-01	MARKERBOARD	4'-0"	4'-0"	G.C.	G.C.	
SP-01A	MARKERBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-01B	GLASS MARKERBOARD	4'-0"	10'-0"	G.C.	G.C.	
SP-02	TACKBOARD	4'-0"	4'-0"	G.C.	G.C.	
SP-02A	TACKBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-02B	TACKBOARD	4'-0"	8'-0"	G.C.	G.C.	
SP-03A	ART HANGING SYSTEM	0'-1"	6'-0"	G.C.	G.C.	
SP-03B	ART HANGING SYSTEM	0'-1"	2'-0"	G.C.	G.C.	
SP-04	CLIMBING WALL			G.C.		REFER TO FINISH PLANS FOR FLOORING NOTES

EQUIPMENT SCHEDULE						
ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-01A	TELEVISION			OWNER	G.C.	
EQ-01B	TELEVISION			OWNER	G.C.	
EQ-01C	TELEVISION			OWNER	G.C.	
EQ-01D	TELEVISION			OWNER	G.C.	
EQ-02	REFRIGERATOR			OWNER	G.C.	
EQ-03A	LIGHT DISPLAY BOARDS			G.C.	G.C.	WALL MOUNTED
EQ-03B	LIGHT DISPLAY BOARDS			G.C.	G.C.	CEILING/FLOOR MOUNTED
EQ-04	STOVE			OWNER	G.C.	
EQ-05	DISHWASHER			OWNER	G.C.	
EQ-06	UNDERCOUNTER REFRIGERATOR			OWNER	G.C.	
EQ-07	COPIER			OWNER	G.C.	
EQ-08	WASHER			OWNER	G.C.	
EQ-09	DRYER			OWNER	G.C.	
EQ-10	WALL OVEN			OWNER	G.C.	
EQ-11	MICROWAVE			OWNER	G.C.	

#### GENERAL PLAN NOTES:

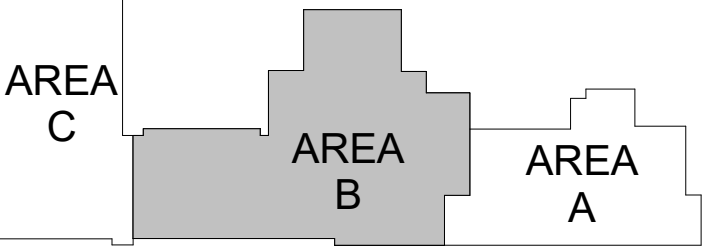
- DIMENSIONS INDICATED ARE FROM THE FACE OF STUD AND FACE OF MASONRY UNLESS NOTED OTHERWISE. REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS NOT INDICATED ON OVERALL PLANS.
- REFER TO FLOOR FINISH PLANS FOR FLOOR MATERIALS & PATTERNS.
- PLUMBING FIXTURES ARE SHOWN FOR REFERENCE & LOCATION ONLY. REFER TO MECHANICAL DRAWINGS FOR DETAILS & SPECIFICATIONS.
- CONTRACTOR TO COORDINATE LOCATIONS OF ADDITIONAL PENETRATIONS THROUGH WALLS AND FLOORS NOT INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL. REFER TO STRUCTURAL DRAWINGS FOR LINTEL OR FRAMING REQUIREMENTS.
- ALL INTERIOR WALLS ARE 8" CMU (2.0) UNLESS OTHERWISE NOTED.

#### PLAN KEYNOTES

- TOILET PARTITION
- MOP SINK (REFER TO MECHANICAL DRAWINGS FOR DETAILS)
- UTILITY SHELF W/ MOP HOLDER, RE: SPEC.
- SENSORY SWING, RE: FURNISHED BY OWNER
- COPY MACHINE BY OWNER, RE: ELECT.
- SHOWER ROD
- DOWNSPOUT NOZZEL
- NEW COLUMN FOR EXISTING BEAM, CONTRACTOR TO CONDUCT ON SITE CONFERENCE WITH ARCHITECT AND ENGINEER TO VERIFY LOCATION AND DETERMINE IF WHAT IS SHOWN IS APPROPRIATE.
- ADULT CHANGING TABLE
- ADA BENCH

2	ADDENDUM NO. 2	09/08/23
	ISSUED FOR BID	08/23/23

NO.	REVISION	DATE
-----	----------	------



KEY PLAN  
NORTH NO SCALE



WTA ARCHITECTS

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

WTAARCH.COM

COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
FLOOR PLAN - AREA B -  
UPPER LEVEL 3

PROJECT NUMBER  
2022006.1

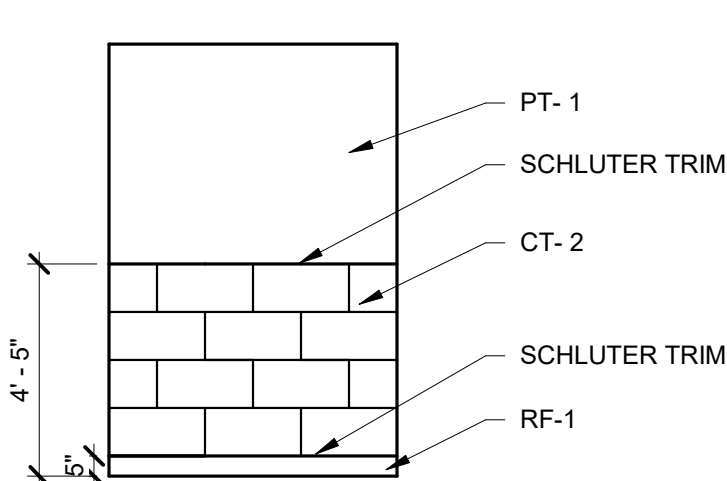
PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

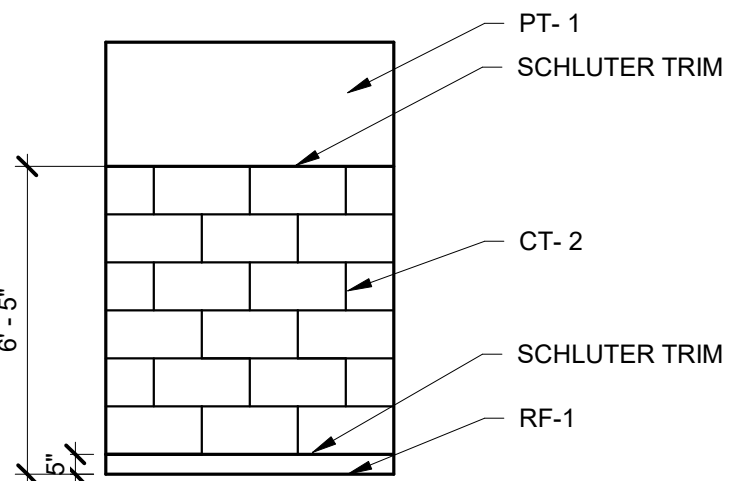
SHEET NUMBER

A2.15

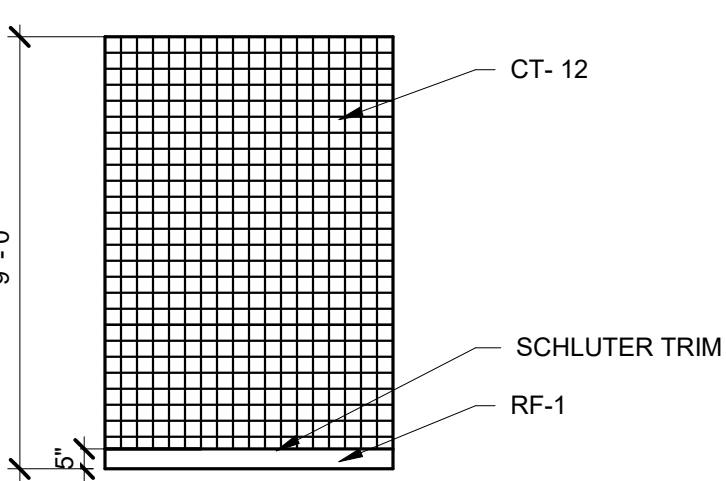
FINISH MATERIAL LEGEND					
SN	MANUFACTURER	STYLE	COLOR	SIZE	REMARKS
ACOUSTIC CEILING TILE					
ACT-1	USG	RADAR CLIMA PLUS HIGH NRC	WHITE	24 X 24	
ACT-2	ARMSTRONG	METALWORKS SECURELOCK NO PERF.	WHITE	24 X 24	
ACT-3	ARMSTRONG	TECTUM LAY IN	WHITE	24 X 48	HOLD DOWN CLIPS
ACOUSTIC PANEL					
AP-1	ARMSTRONG	TECTUM SHAPES HEXAGON	FIELD PAINTED PT-5	48" X 40" X 2"	CEILING SUSPENDED IN HIVE
AP-2	USG	COLORTEX - BARZ	WHITE OAK WOODGRAIN	4" X 8"	CEILING BAFFLES CORRIDOR 201
AP-3	USG	COLORTEX - BARZ	WHITE OAK WOODGRAIN	2" x 10"	CEILING BAFFLES CORRIDOR 201
AP-4	ARMSTRONG	INVISACOUSTICS	FIELD PAINTED PT-10	24" X 48" X 3/4"	CEILING DECK IN HIVE
ARTIFICIAL TURF					
TURF-1	FIELDTURF	COMMAND PLAY		15'x50'	
BRICK					
B-1	BELDEN BRICK	MODULAR 141-145 VERTICAL	22-44	3-5/8" X 2-1/4" X 7-5/8"	EXTERIOR
B-2	BELDEN BRICK	MODULAR 470-479	LIGHT A	3-5/8" X 2-1/4" X 7-5/8"	MATCH EXISTING INTERIOR
B-3	BELDEN BRICK	MODULAR 141-145 VERTICAL	22-44	7-5/8" X 2-1/4" X 7-5/8"	EXTERIOR ENCLOSURES
CARPET					
CPT-1	INTERFACE	BITRATE	DARK TEAL	10 X 40	ASHLAR INSTALL- ADMIN CORRIDORS
CPT-2	INTERFACE	SOURCE MATERIAL	GRAPHITE	10 X 40	ASHLAR INSTALL-OFFICES
CPT-3	INTERFACE	UPLOAD	LIGHT LIME	10 X 40	ACCENT
CPT-4	MANNINGTON	EBB	STREAM 15844	18" x 36"	ASHLAR - SUPERINT.
CPT-5	MANNINGTON	CURRENT	STREAM 15844	18" x 36"	ASHLAR - SUPERINT.
CPT-6	SHAW	OBSERVE COLOR TILE	CALM OCEANS 05405	9 X 36	ASHLAR - ADMIN CONF.
CPT-7	PATCRAFT	CONNECTING	STROLL 00540	24 X 24	MONOLITHIC
CPT-8	FORBO	FLOTEX EXPLORE PLANKS	065373 STEEL	39.37" x 9.48" x .2"	ASHLAR
CPT-9	FORBO	FLOTEX METRO TILE	548028 JADE	20" x 20" x 2"	MONOLITHIC
CPT-10	FORBO	FLOTEX TRIAD PLANKS	131007 STEEL	39.37" x 9.48" x .2"	ASHLAR
CPT-11	FORBO	FLOTEX MONTAGE PLANKS	147001 BOREAL	39.37" x 9.48" x .2"	ASHLAR
CERAMIC TILE					
CT-1	CROSSVILLE	COLOR BLOX	CELESTIAL HORIZON	12" x 12"	STAFF TOILET FLOOR
CT-2	CROSSVILLE	READY TO WEAR	HAND IN GLOVE	12" x 24"	FIELD WALL TILE
CT-3	AMERICAN OLEAN	CREEKWOOD	MAPLE LAKE	6" x 36"	
CT-4	AMERICAN OLEAN	COLOR STORY	84 PEACOCK BLUE(TEAL)	4" x 12"	VIBRANT GLOSS
CT-5	AMERICAN OLEAN	COLOR STORY	68 GRACE (PURPLE)	4" x 12"	VIBRANT GLOSS
CT-6	AMERICAN OLEAN	COLOR STORY	77 MANDARIN (ORANGE)	4" x 12"	VIBRANT GLOSS
CT-7	AMERICAN OLEAN	COLOR STORY	76 GREEN APPLE (GREEN)	4" x 12"	VIBRANT GLOSS
CT-8	NOT USED				
CT-9	AMERICAN OLEAN	COLOR STORY	84 PEACOCK BLUE HEXAGON	1.5" HEXAGON	VIBRANT GLOSS
CT-10	OLYMPIA TILE	OCEANI	AEGUA	2 X 10	LIFE SKILLS SUBWAY
CT-11	ONIX	2003509 RODAS	TESSERAEE	11" X 11"	STAFF LOUNGE
CT-12	AMERICAN OLEAN	COLOR STORY	77 MANDARIN	4" x 4"	VIBRANT GLOSS
CT-13	AMERICAN OLEAN	COLOR STORY	76 GREEN APPLE	4" x 4"	VIBRANT GLOSS
CT-14	AMERICAN OLEAN	COLOR STORY	68 GRACE	4" x 4"	VIBRANT GLOSS
CT-15	AMERICAN OLEAN	COLOR STORY	84 PEACOCK BLUE(TEAL)	4" x 4"	VIBRANT GLOSS
CONCRETE MASONRY					
CMU-1	IMFR	STANDARD	UNFINISHED (FIELD PAINTED)	VARIESx8"x16"	
DECORATIVE PANEL SYSTEM					
DPS-1	MARLITE	SIEVA LARGE PANEL	HPL - WILSONART LANDMARK WOOD	16W X 8H OA	
FIBERGLASS REINFORCED PLASTIC PANEL					
FRP-1	MARLITE SYMMETRIX	SUBWAY HORIZONTAL	LOGGIA	4' X 4'	TILE SIZE = 6" X 3"
GLASS BLOCK					
GB-1	BELDEN BRICK	CROSS RIBBED	CLEAR	8 X 8 X 4	MATCH EXISTING
LOCKERS					
LKR-1	ASI	BLACK CORE PHENOLIC	DESERT ZEPHYR 4583		
METAL PANEL					
MP-1	PAC-CLAD		CUSTOM COLOR		EXTERIOR CANOPY
MP-2	PAC-CLAD		GRANITE		EXTERIOR CANOPY CEILING
PAINT					
PT-1	SHERWIN WILLIAMS		LOGGIA SW7506		OVERALL PAINT
PT-2	SHERWIN WILLIAMS		REALLY TEAL SW6489		TEAL ACCENT
PT-3	SHERWIN WILLIAMS		RIVULET SW6760		LIGHT TEAL
PT-4	SHERWIN WILLIAMS		WOOD VIOLET SW6557		PURPLE ACCENT
PT-5	SHERWIN WILLIAMS		ADVENTURE ORANGE SW6655		ORANGE ACCENT
PT-6	SHERWIN WILLIAMS		PARAKEET SW6711		GREEN ACCENT
PT-7	SHERWIN WILLIAMS		OVERJOY SW6689		YELLOW ACCENT
PT-8	SHERWIN WILLIAMS		PAVESTONE SW7642		DOORS AND EXISTING TRIM
PT-9	SHERWIN WILLIAMS		GAUNTLET GRAY SW7019		EXISTING ENTRY ACCENT
PT-10	SHERWIN WILLIAMS		IRON ORE SW7069		HIVE EXPOSED CLING
PT-11	SHERWIN WILLIAMS		HIGH REFLECTIVE WHITE SW7757		
PLASTIC LAMINATE					
PLAM-1	WILSONART	EDGE GRAIN FINISH	LANDMARK WOOD 8248K76	48" X 96" X 1/8"	CASEWORK & RECEPTION DESK
PLAM-2	WILSONART	FINE LINE TEXTURE	BLACK HILLS OAK 8248K76		RECEPTION DESK
POLISHED CONCRETE					
PC-1		POLISHED CONCRETE	NATURAL UNCOLORED		CLUBS & LOBBY
QUARTZ COUNTERTOP					
QC-1	SILESTONE	OCEAN JASPER			POLISHED
RESILIENT BASE					
RWB-1	ROPPE	PINNACLE 4-1/2" COVE	123 CHARCOAL		
RWB-2	ROPPE	PINNACLE 6" COVE	123 CHARCOAL		
RWB-2	TARKETT	4" VENTED RUBBER BASE	BLACK		
RESILIENT STAIR TREAD					
RST-1	ROPPE	MARBLE FIESTA WITH RUBBER STRIP	MARENGO M410		WITH RUBBER STRIP
RESILIENT TILE FLOORING					
RTF-1	PATCRAFT	GRANITE	GRANITE	24 X 24	STAFF LOUNGE FIELD
RTF-2	PATCRAFT	PLANAR	TEAL PLANAR	24 X 24	STAFF LOUNGE ACCENT
RTF-3	ROPPE	MARBLE FIESTA	MARENGO M410		
RESINOUS BASE					
RB-1	SHERWIN WILLIAMS	1 1/4" RESUFLOOR DECO FLAKE	RIVER ROCK		
RESINOUS FLOORING					
RF-1	SHERWIN WILLIAMS	1 1/4" RESUFLOOR DECO FLAKE	RIVER ROCK		
SOLID SURFACE					
SS-1	CORAN		LUNA		
SS-2	CORAN		ARTISTA GRAY		
SS-3	CORAN		LAVA ROCK		
STONE					
ST-1	ARRISCRAFT	ADAIR LIMESTONE	SEPIA	7-5/8" X 2-1/4" X 7-5/8"	EXTERIOR



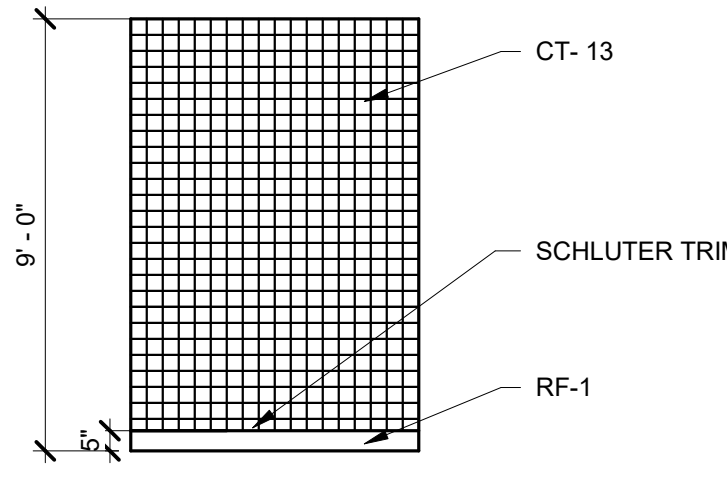
WFT-1



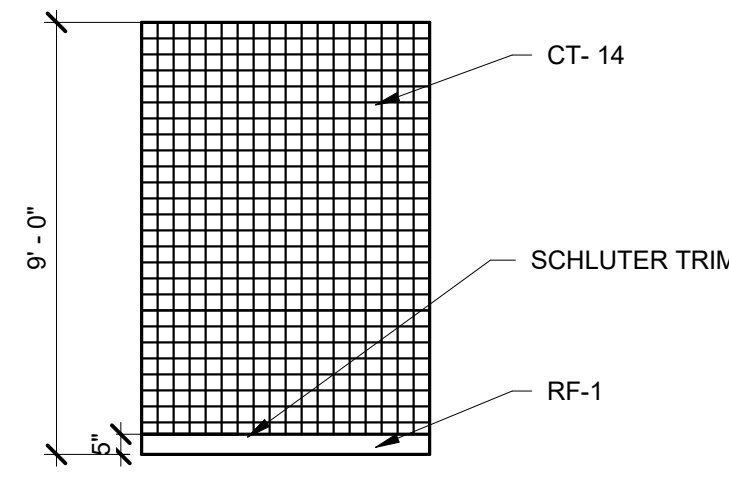
WFT-2



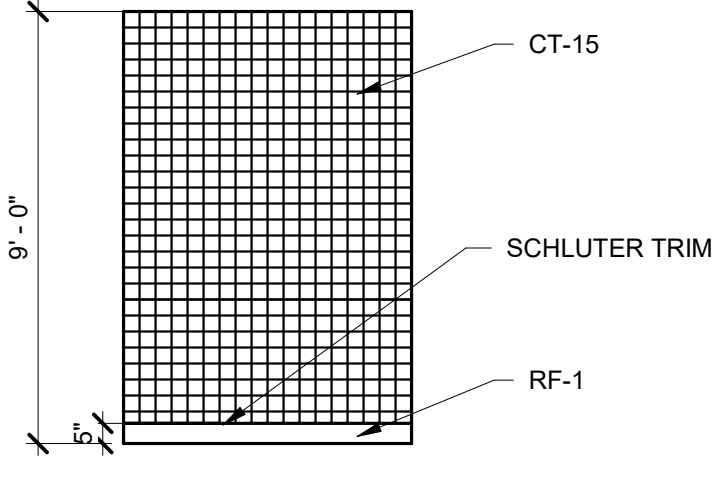
WFT-3



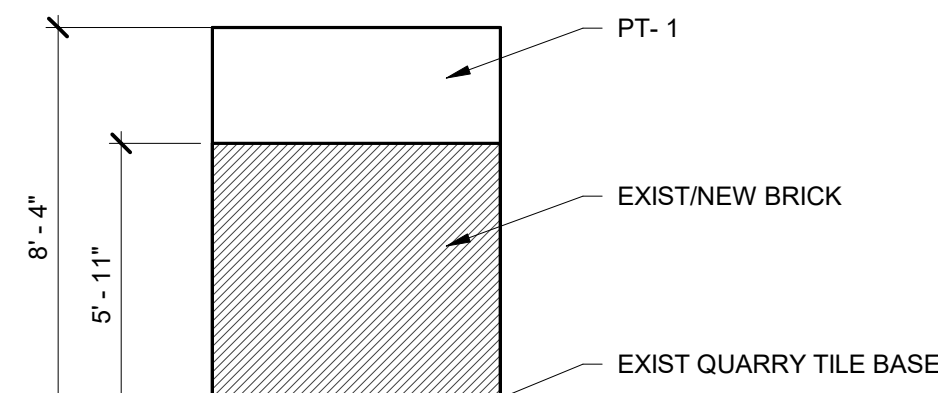
WFT-4



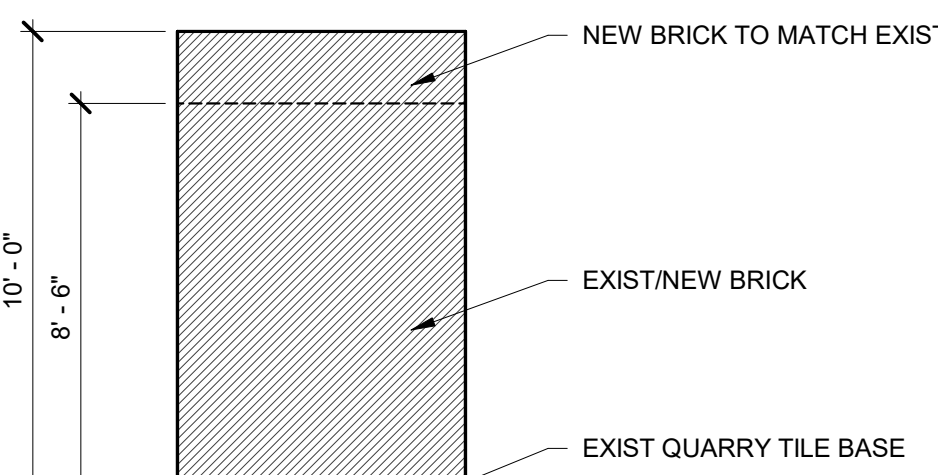
WFT-5



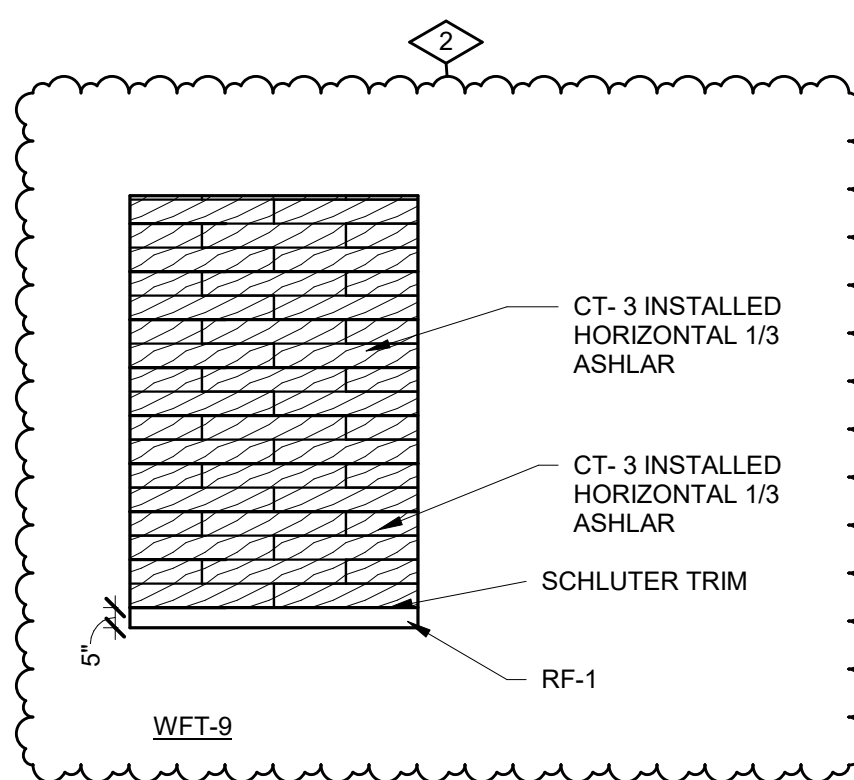
WFT-6



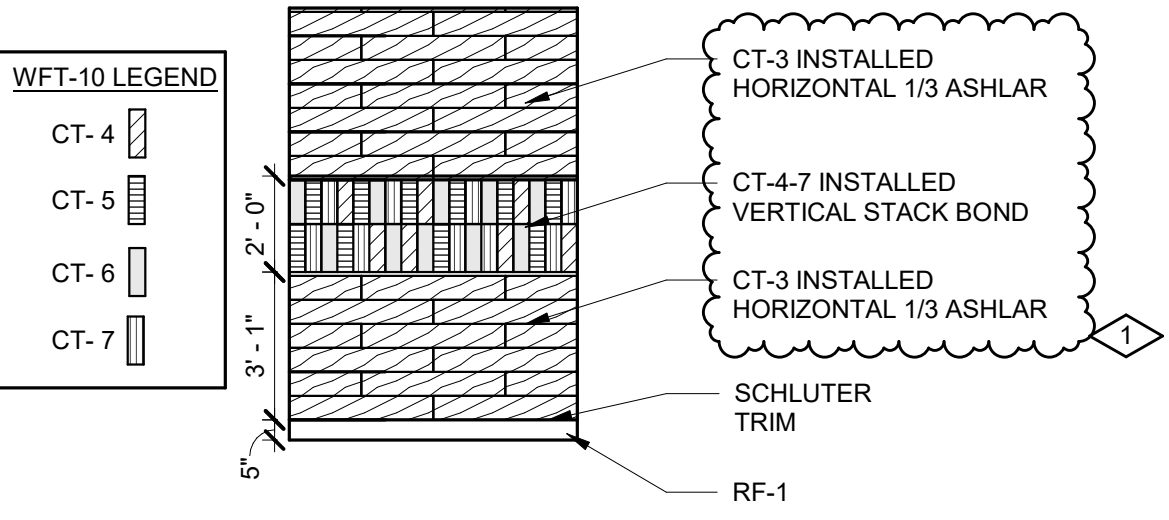
WFT-7



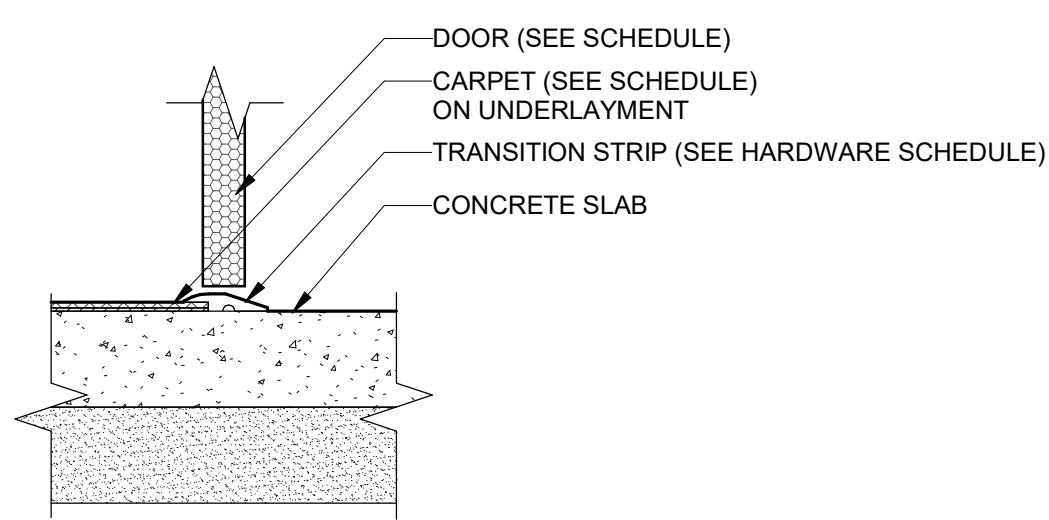
WFT-8



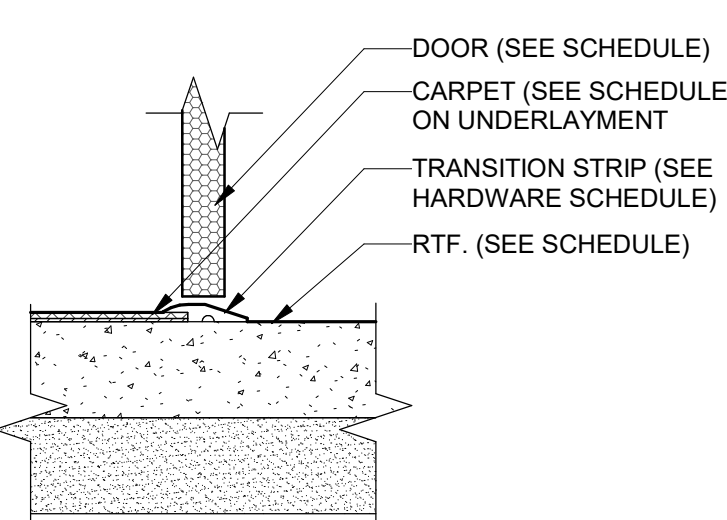
WFT-9



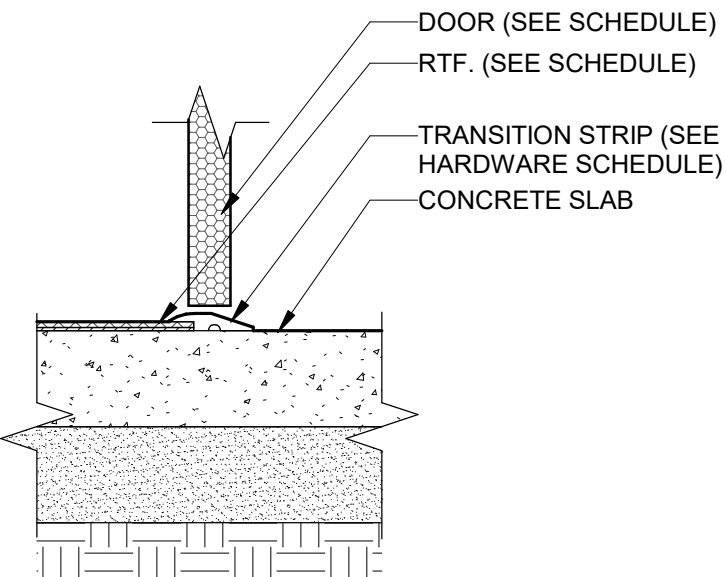
WFT-10



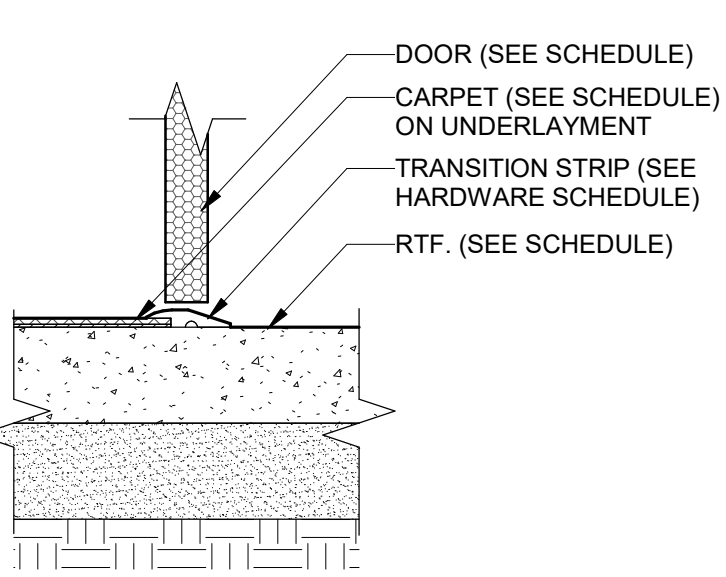
9 A3.00 DOOR TRANSITION - CONC. TO CPT. SCALE: 1 1/2" = 1'-0"



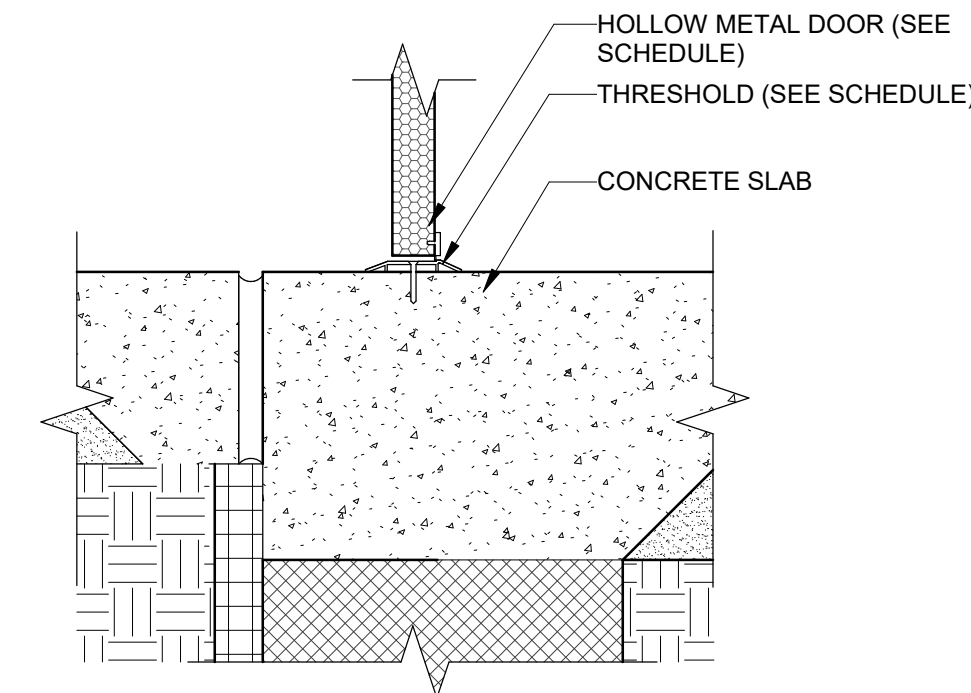
10 A3.00 DOOR TRANSITION - RTF. TO RF. SCALE: 1 1/2" = 1'-0"



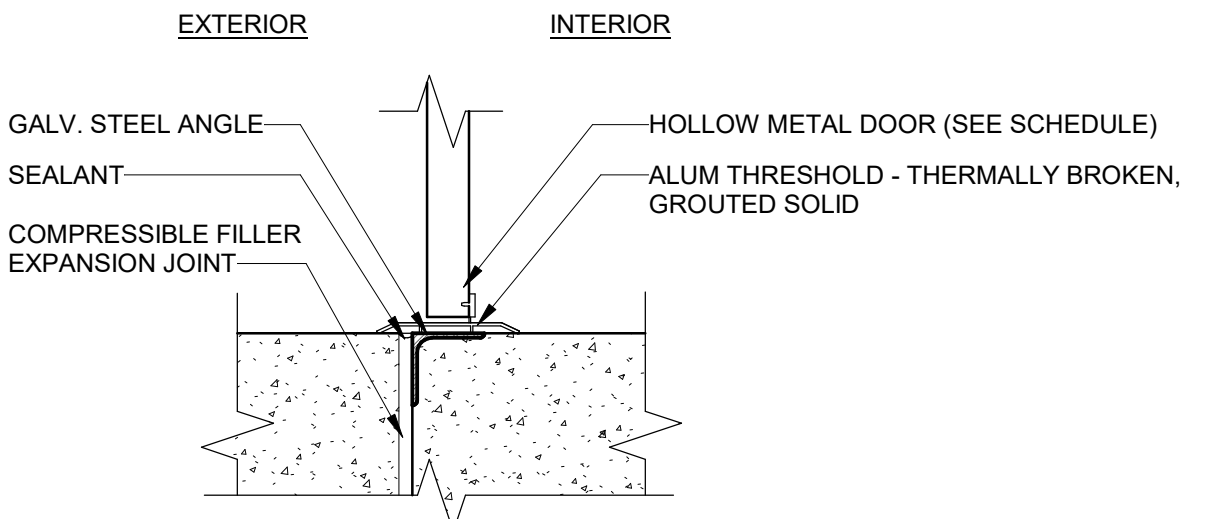
11 A3.00 DOOR TRANSITION - CONC. TO RTF. SCALE: 1 1/2" = 1'-0"



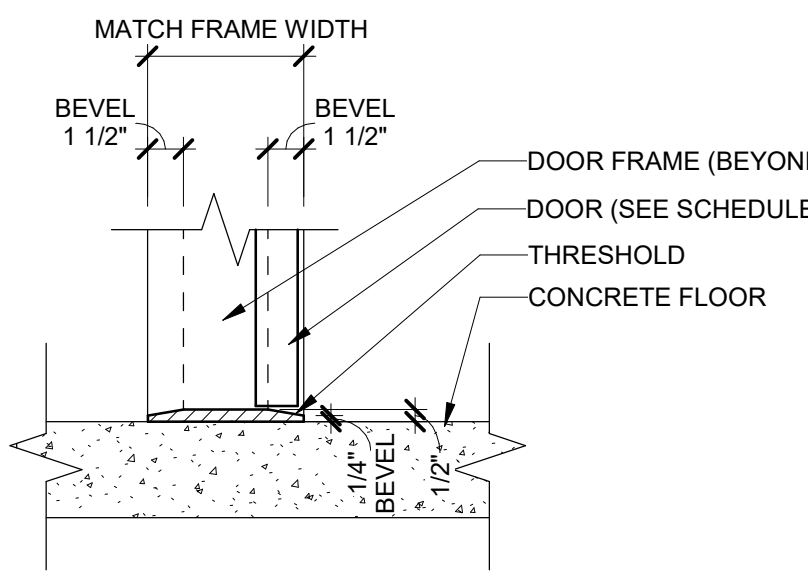
12 A3.00 DOOR TRANSITION - RTF. TO CPT. SCALE: 1 1/2" = 1'-0"



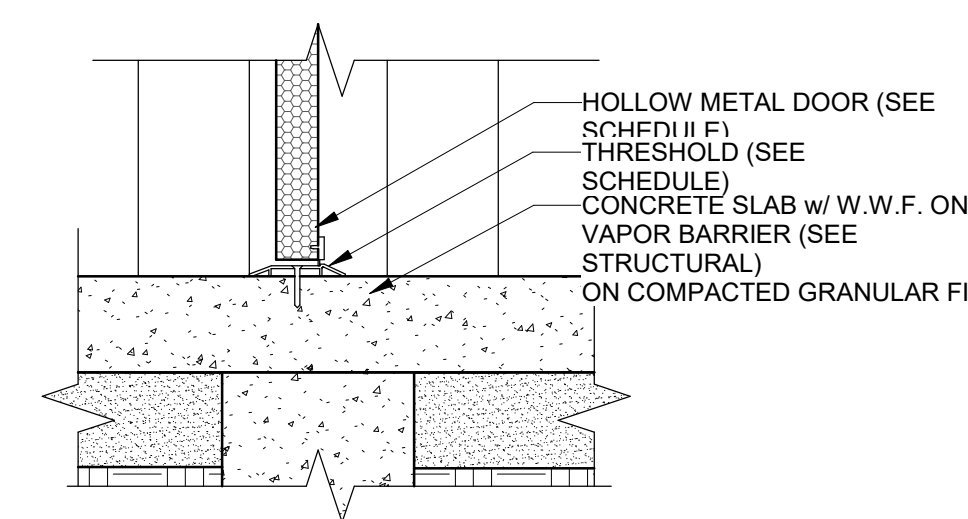
13 A3.00 H.M. DOOR EXT. SILL SCALE: 1 1/2" = 1'-0"



14 A3.00 EXTERIOR DOOR THRESHOLD DETAIL SCALE: 1 1/2" = 1'-0"



15 A3.00 DOOR THRESHOLD DETAIL SCALE: 1 1/2" = 1'-0"

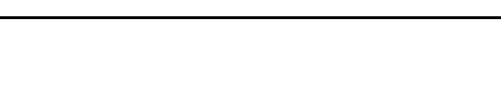
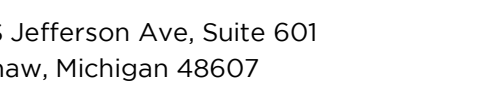
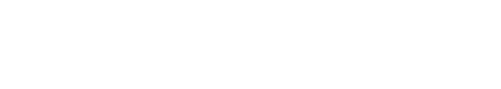
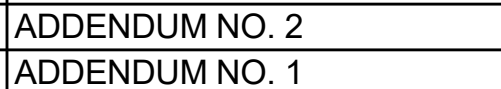
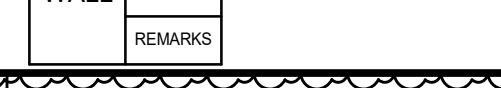
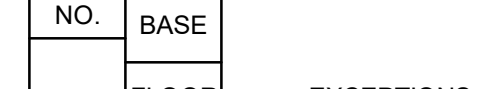
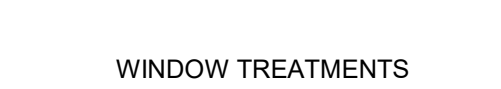
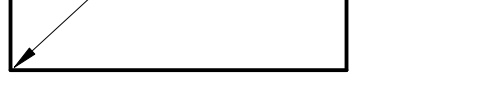
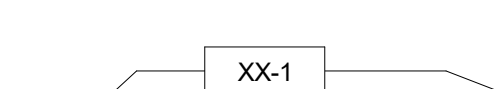
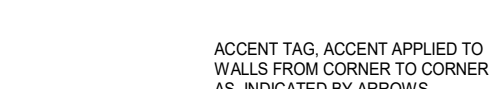
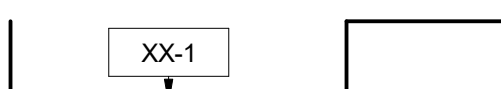
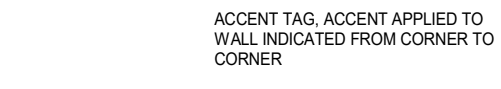


16 A3.00 HM DOOR DETAIL @ 106 SCALE: 1 1/2" = 1'-0"

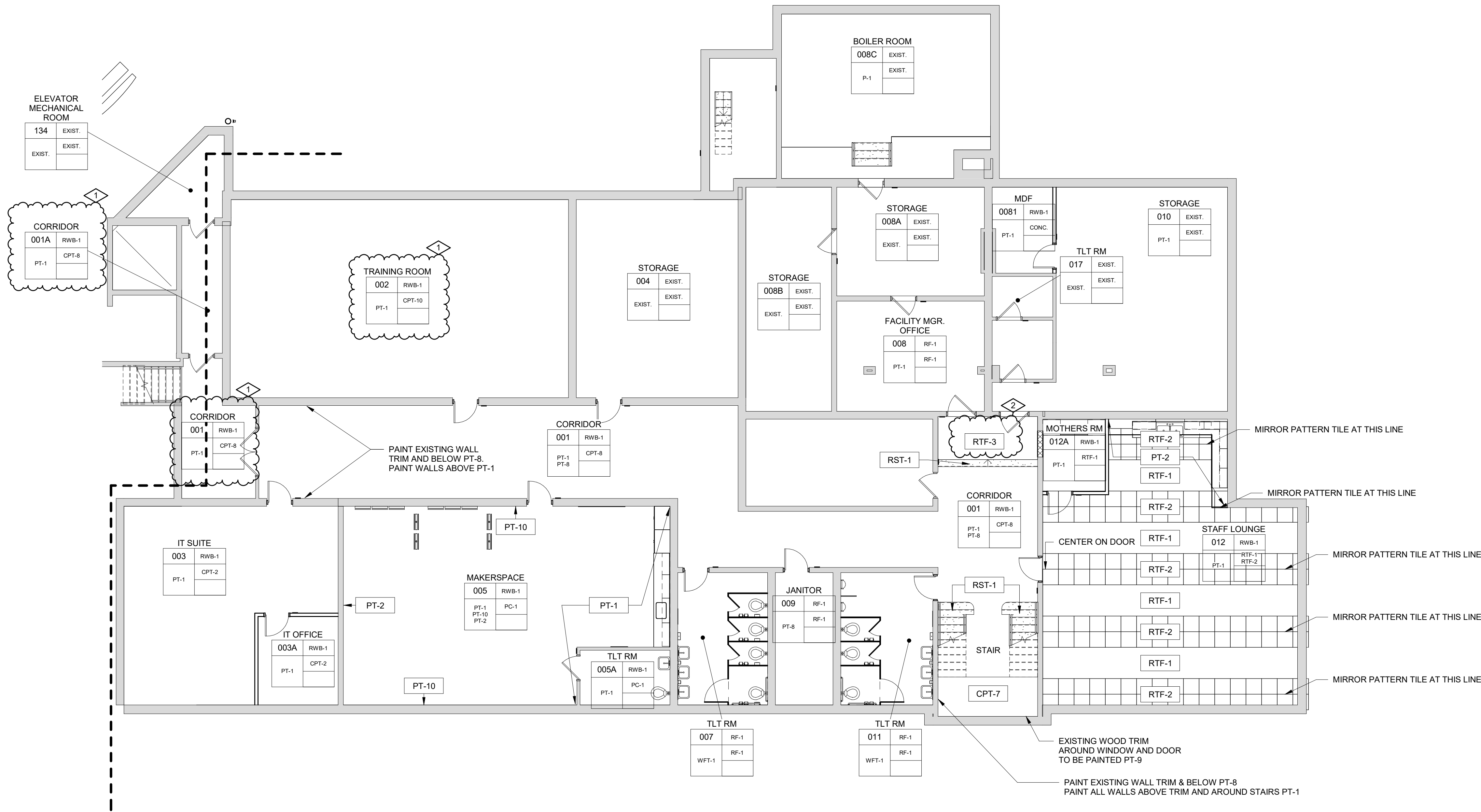
## INTERIOR GENERAL NOTES:

- AT STUD WALL LOCATIONS PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO: GRAB BARS, MIRRORS, DISPENSERS, ETC. (REFER TO MFR. RECOMMENDATIONS).
- ALL NEW CASEWORK TO HAVE HIGH PRESSURE LAMINATE EXTERIOR AND MELAMINE LAMINATE INTERIOR, UNLESS OTHERWISE NOTED.
- ALL FURNITURE THAT IS NOT BUILT-IN IS NOT PART OF THE SCOPE OF THIS PROJECT.
- REFER TO FINISH MATERIAL SCHEDULE FOR SPECIFIC MANUFACTURER, STYLE, COLOR & SIZE INFORMATION
- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION
- AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES
- PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLANCES, WHEN SCHEDULED WITHIN A ROOM.
- TYPICAL CASE WORK NOTATION EXAMPLE
- ALL CASEWORK LOCKABLE UNLESS OTHERWISE NOTED (DOORS AND DRAWERS).
- ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
- WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
- PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
- CARPET EDGES SHALL BE CAPTURED BY NOSING, NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM SEALER.
- FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.

## ROOM FINISH MATERIAL LEGEND

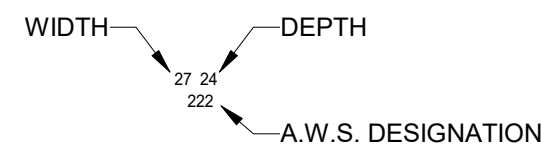




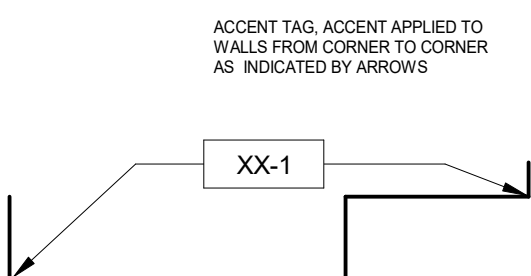
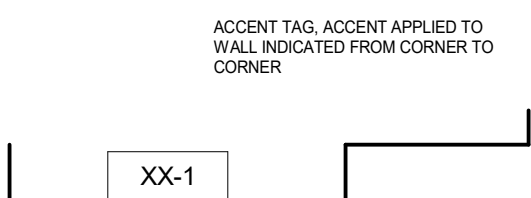


1 LOWER LEVEL - AREA A  
SCALE: 1/8" = 1'-0"

INTERIOR GENERAL NOTES:

1. AT STUD WALL LOCATIONS PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO: GRAB BARS, MIRRORS, DISPENSERS, ETC. (REFER TO MFR. RECOMMENDATIONS)
2. ALL NEW CASEWORK TO HAVE HIGH PRESSURE LAMINATE EXTERIOR AND MELAMINE LAMINATE INTERIOR, UNLESS OTHERWISE NOTED.
3. ALL FURNITURE THAT IS NOT BUILT-IN IS NOT PART OF THE SCOPE OF THIS PROJECT.
4. REFER TO FINISH MATERIAL SCHEDULE FOR SPECIFIC MANUFACTURER, STYLE, COLOR & SIZE INFORMATION
5. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION
6. AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES
- 7.
8. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLANCES, WHEN SCHEDULED WITHIN A ROOM.
9. TYPICAL CASE WORK NOTATION EXAMPLE  

10. ALL CASEWORK LOCKABLE UNLESS OTHERWISE NOTED (DOORS AND DRAWERS).
11. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
12. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
13. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
14. CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM SEALER.
15. FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.

ROOM FINISH MATERIAL LEGEND



WINDOW TREATMENTS

WT

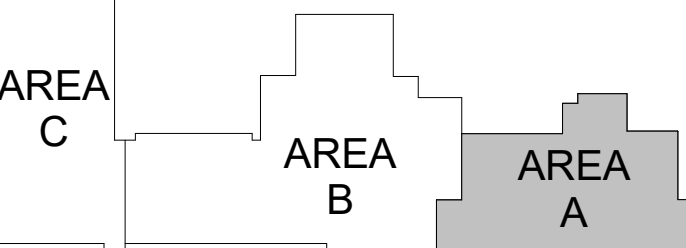
FINISH PLAN KEY

ROOM NAME	
NO.	BASE
WALL	FLOOR
REMARKS	

EXCEPTIONS

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
ISSUED FOR BID		08/23/23

NO.	REVISION	DATE
-----	----------	------



KEY PLAN  
NORTH NO SCALE



WTAARCH.COM

**WTA ARCHITECTS**

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107 COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
ROOM FINISH PLANS -  
AREA A - LOWER LEVEL

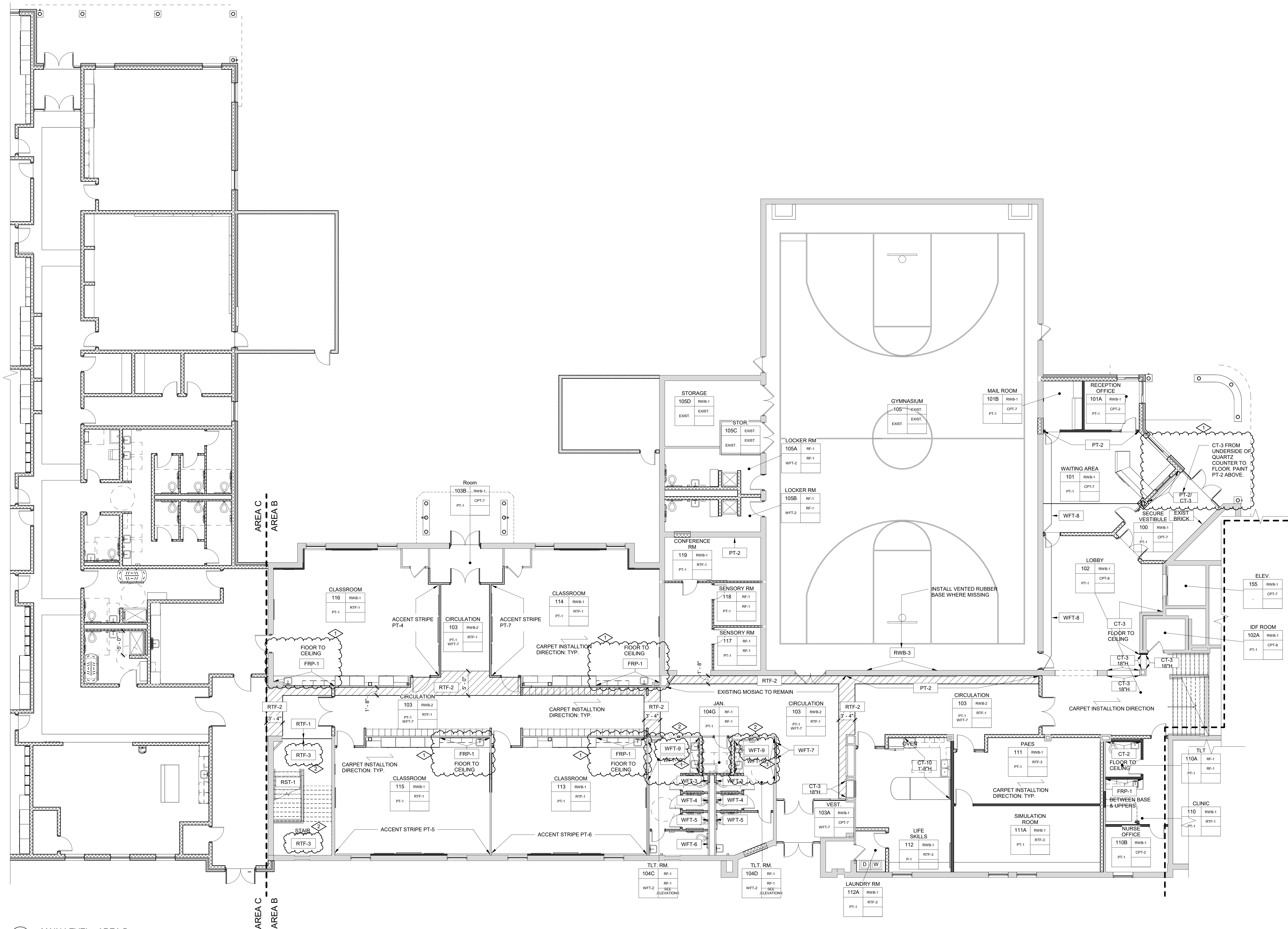
PROJECT NUMBER  
2022006.1

SHEET NUMBER

PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

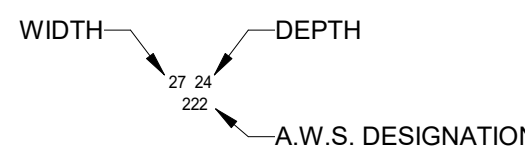
A3.01



1 MAIN LEVEL - AREA B  
SCALE: 1/8" = 1'-0"

#### INTERIOR GENERAL NOTES:

1. AT STUD WALL LOCATIONS PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO: GRAB BARS, MIRRORS, DISPENSERS, ETC. (REFER TO MFR. RECOMMENDATIONS)
2. ALL NEW CASEWORK TO HAVE HIGH PRESSURE LAMINATE EXTERIOR AND MELAMINE LAMINATE INTERIOR, UNLESS OTHERWISE NOTED.
3. ALL FURNITURE THAT IS NOT BUILT-IN IS NOT PART OF THE SCOPE OF THIS PROJECT.
4. REFER TO FINISH MATERIAL SCHEDULE FOR SPECIFIC MANUFACTURER, STYLE, COLOR & SIZE INFORMATION
5. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION
6. AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES
7. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
8. TYPICAL CASE WORK NOTATION EXAMPLE



10. ALL CASEWORK LOCKABLE UNLESS OTHERWISE NOTED (DOORS AND DRAWERS).
11. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
12. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
13. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
14. CARPET EDGES SHALL BE CAPTURED BY NOSING, NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM SEALER.
15. FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.

#### ROOM FINISH MATERIAL LEGEND

ACCENT TAG, ACCENT APPLIED TO WALL INDICATED FROM CORNER TO CORNER

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

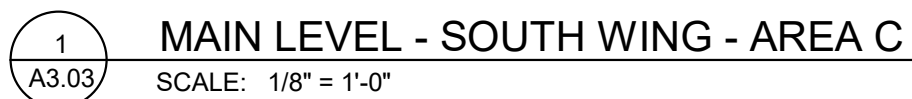
ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

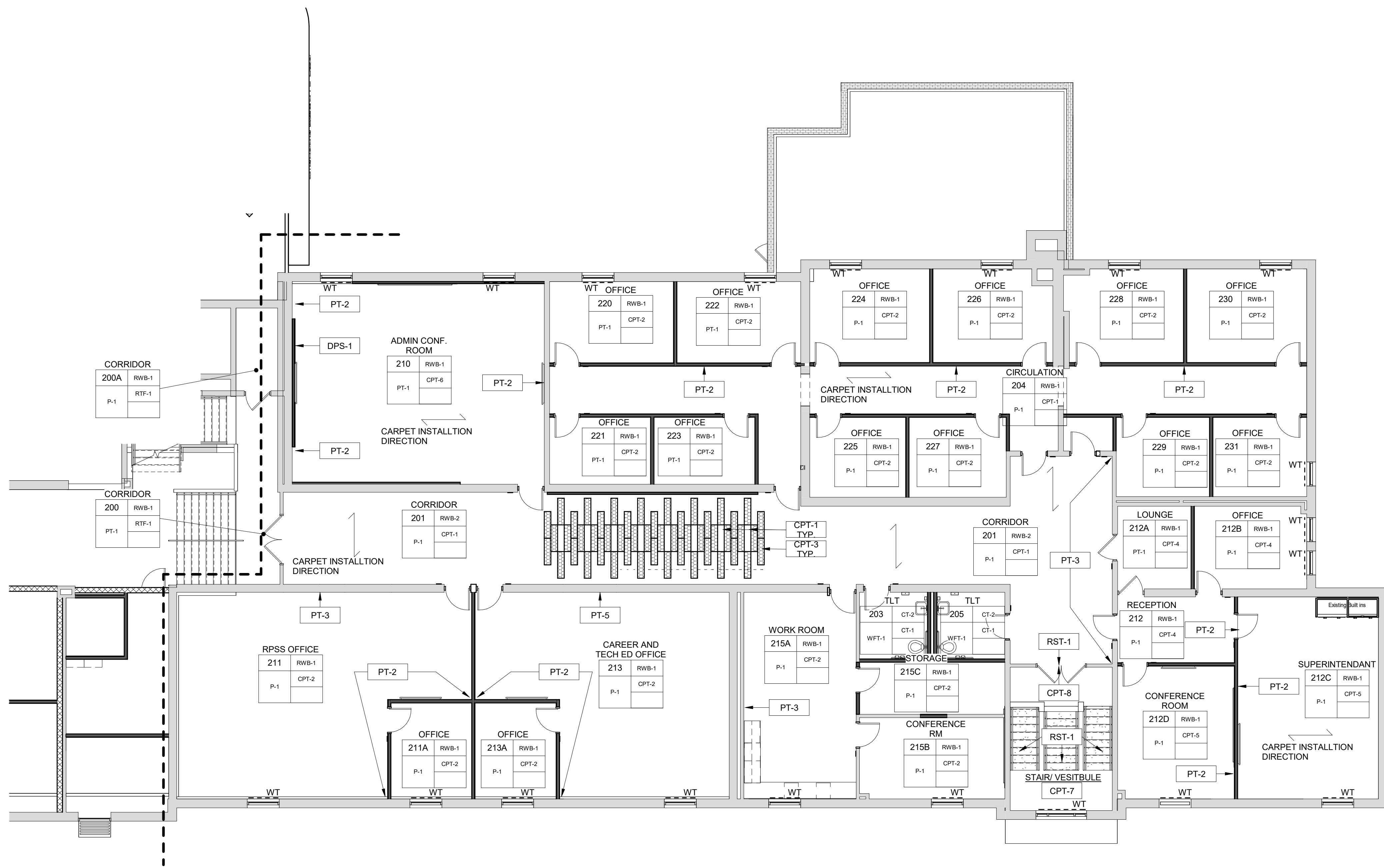
ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS

ACCENT TAG, ACCENT APPLIED TO WALLS FROM CORNER TO CORNER AS INDICATED BY ARROWS



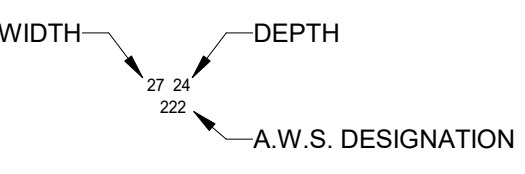
- A3.03



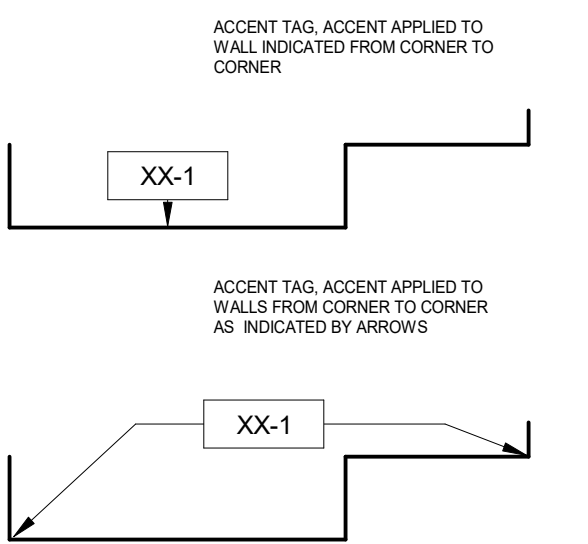


1 UPPER LEVEL 2 - AREA A  
SCALE: 1/8" = 1'-0"

#### INTERIOR GENERAL NOTES:

1. AT STUD WALL LOCATIONS PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO: GRAB BARS, MIRRORS, DISPENSERS, ETC. (REFER TO MFR. RECOMMENDATIONS)
2. ALL NEW CASEWORK TO HAVE HIGH PRESSURE LAMINATE EXTERIOR AND MELAMINE LAMINATE INTERIOR, UNLESS OTHERWISE NOTED.
3. ALL FURNITURE THAT IS NOT BUILT-IN IS NOT PART OF THE SCOPE OF THIS PROJECT.
4. REFER TO FINISH MATERIAL SCHEDULE FOR SPECIFIC MANUFACTURER, STYLE, COLOR & SIZE INFORMATION
5. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION
6. AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES
- 7.
8. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
9. TYPICAL CASE WORK NOTATION EXAMPLE  

10. ALL CASEWORK LOCKABLE UNLESS OTHERWISE NOTED (DOORS AND DRAWERS).
11. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
12. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
13. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
14. CARPET EDGES SHALL BE CAPTURED BY NOSING, NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM SEALER.
15. FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.

#### ROOM FINISH MATERIAL LEGEND



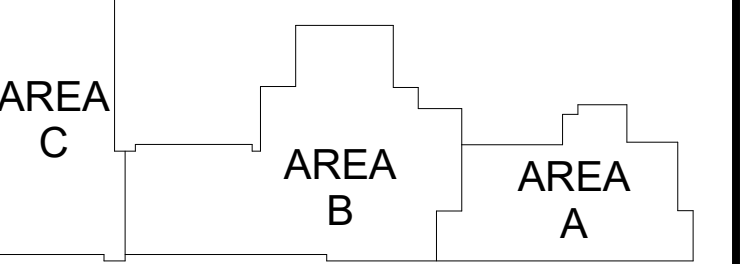
#### WINDOW TREATMENTS

WT

#### FINISH PLAN KEY

ROOM NAME		EXCEPTIONS
NO.	BASE	
WALL	FLOOR	REMARKS

2	ADDENDUM NO. 2	09/08/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE



KEY PLAN  
NORTH NO SCALE



WTA ARCHITECTS

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

WTAARCH.COM

COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
ROOM FINISH PLANS -  
AREA A - UPPER LEVEL 2

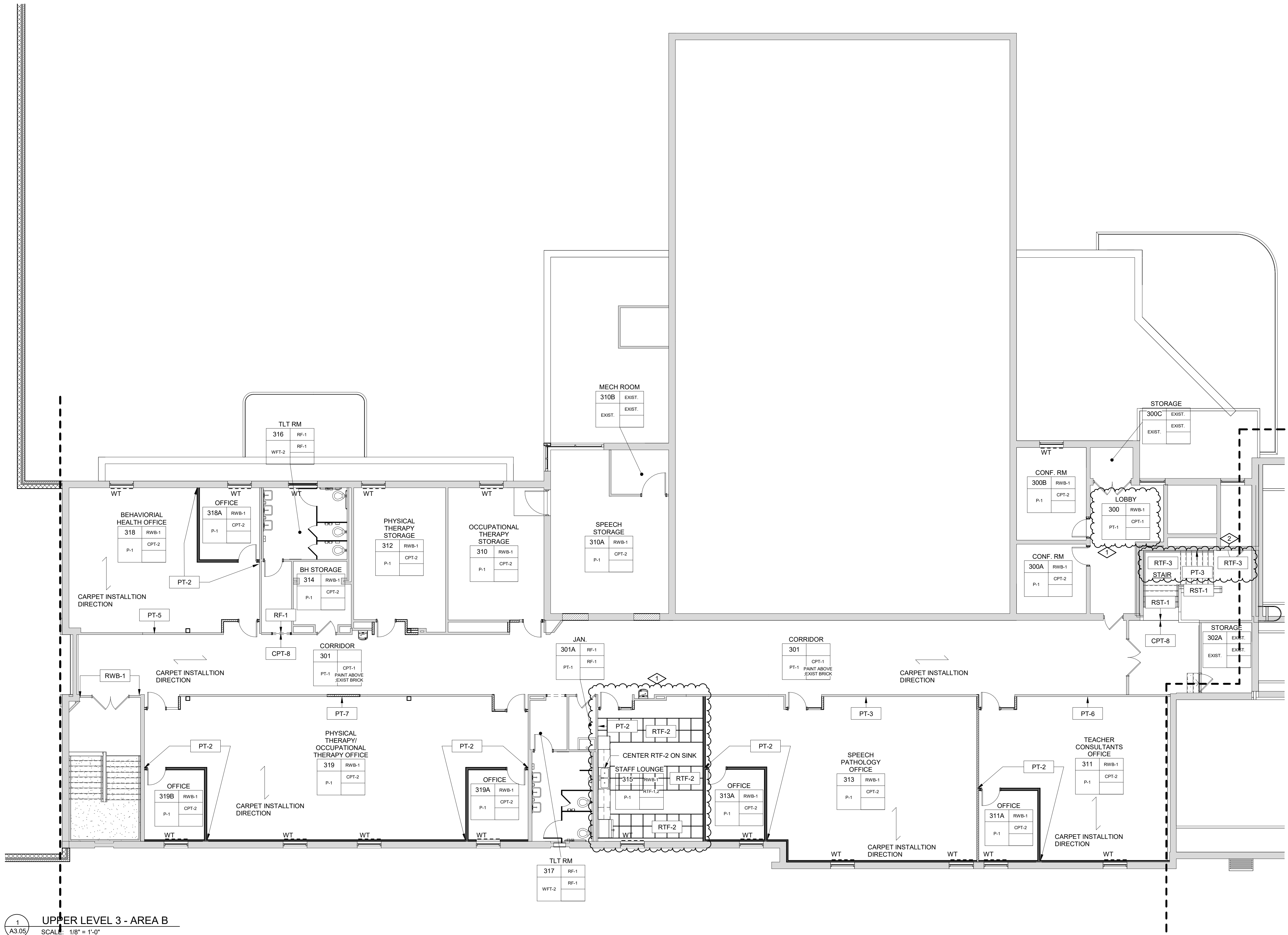
PROJECT NUMBER  
2022006.1

SHEET NUMBER

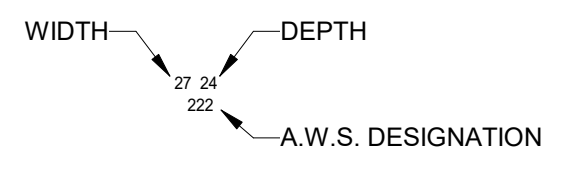
PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

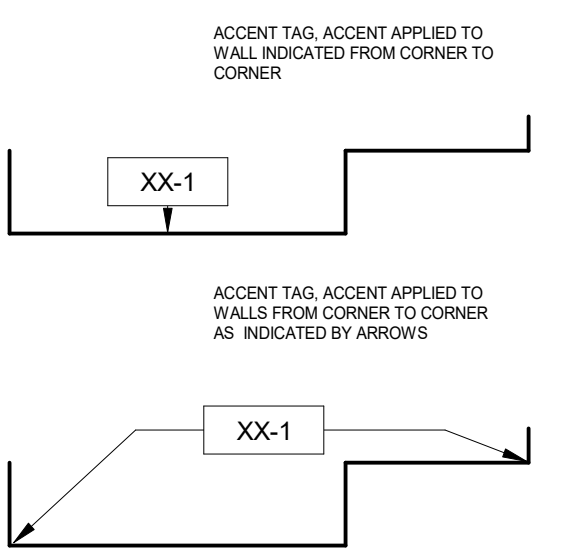
A3.04



INTERIOR GENERAL NOTES:

1. AT STUD WALL LOCATIONS PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO: GRAB BARS, MIRRORS, DISPENSERS, ETC. (REFER TO MFR. RECOMMENDATIONS)
2. ALL NEW CASEWORK TO HAVE HIGH PRESSURE LAMINATE EXTERIOR AND MELAMINE LAMINATE INTERIOR, UNLESS OTHERWISE NOTED.
3. ALL FURNITURE THAT IS NOT BUILT-IN IS NOT PART OF THE SCOPE OF THIS PROJECT.
4. REFER TO FINISH MATERIAL SCHEDULE FOR SPECIFIC MANUFACTURER, STYLE, COLOR & SIZE INFORMATION
5. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION
6. AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES
- 7.
8. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLANCES, WHEN SCHEDULED WITHIN A ROOM.
9. TYPICAL CASE WORK NOTATION EXAMPLE  

10. ALL CASEWORK LOCKABLE UNLESS OTHERWISE NOTED (DOORS AND DRAWERS).
11. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES/ROOM FINISH MATERIAL LEGEND
12. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
13. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
14. CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM SEALER.
15. FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.

ROOM FINISH MATERIAL LEGEND



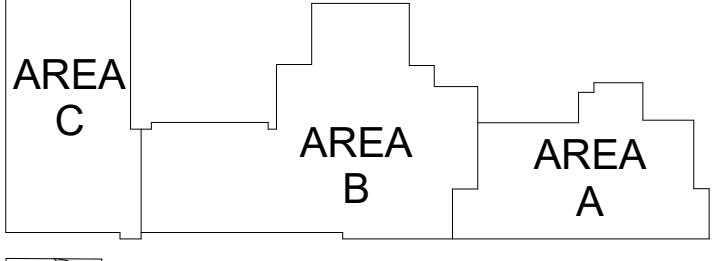
WINDOW TREATMENTS

WT

FINISH PLAN KEY

ROOM NAME		EXCEPTIONS
NO.	BASE	
WALL	FLOOR	REMARKS

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
ISSUED FOR BID		08/23/23
NO.	REVISION	DATE



KEY PLAN  
NORTH NO SCALE

WTA ARCHITECTS  
100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
WTAARCH.COM  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND ADDITION:  
MIDLAND COUNTY ESA

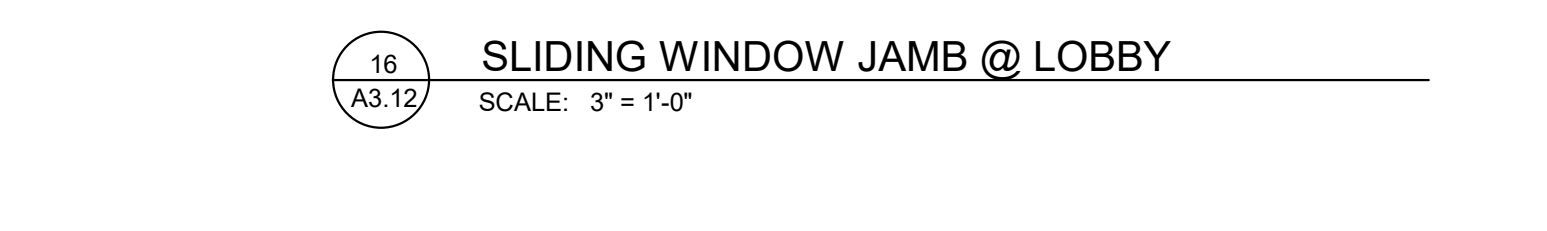
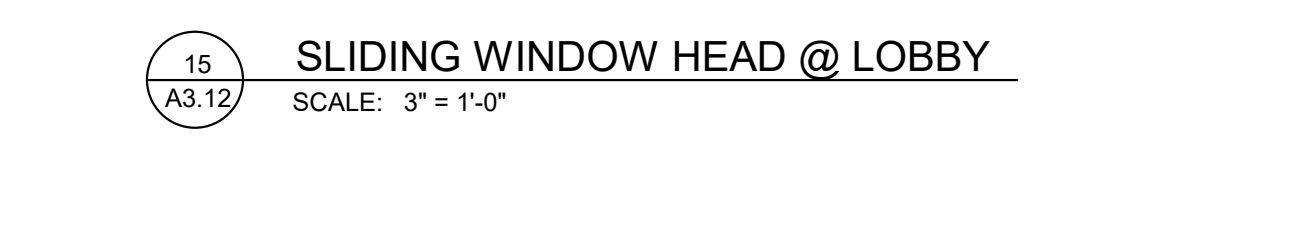
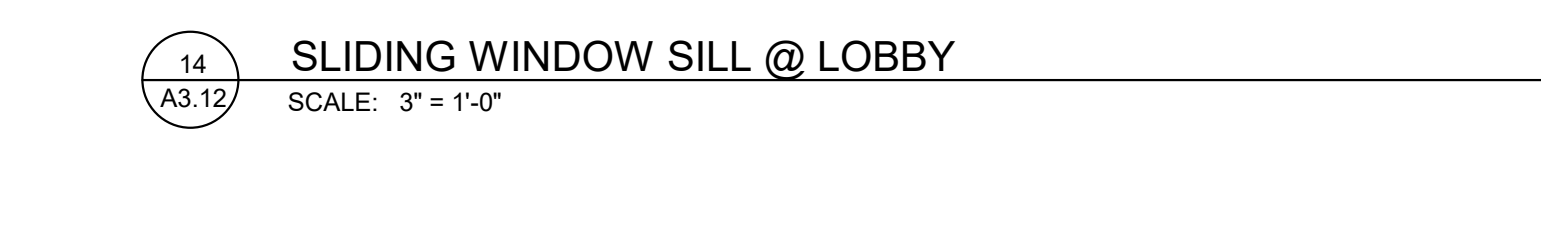
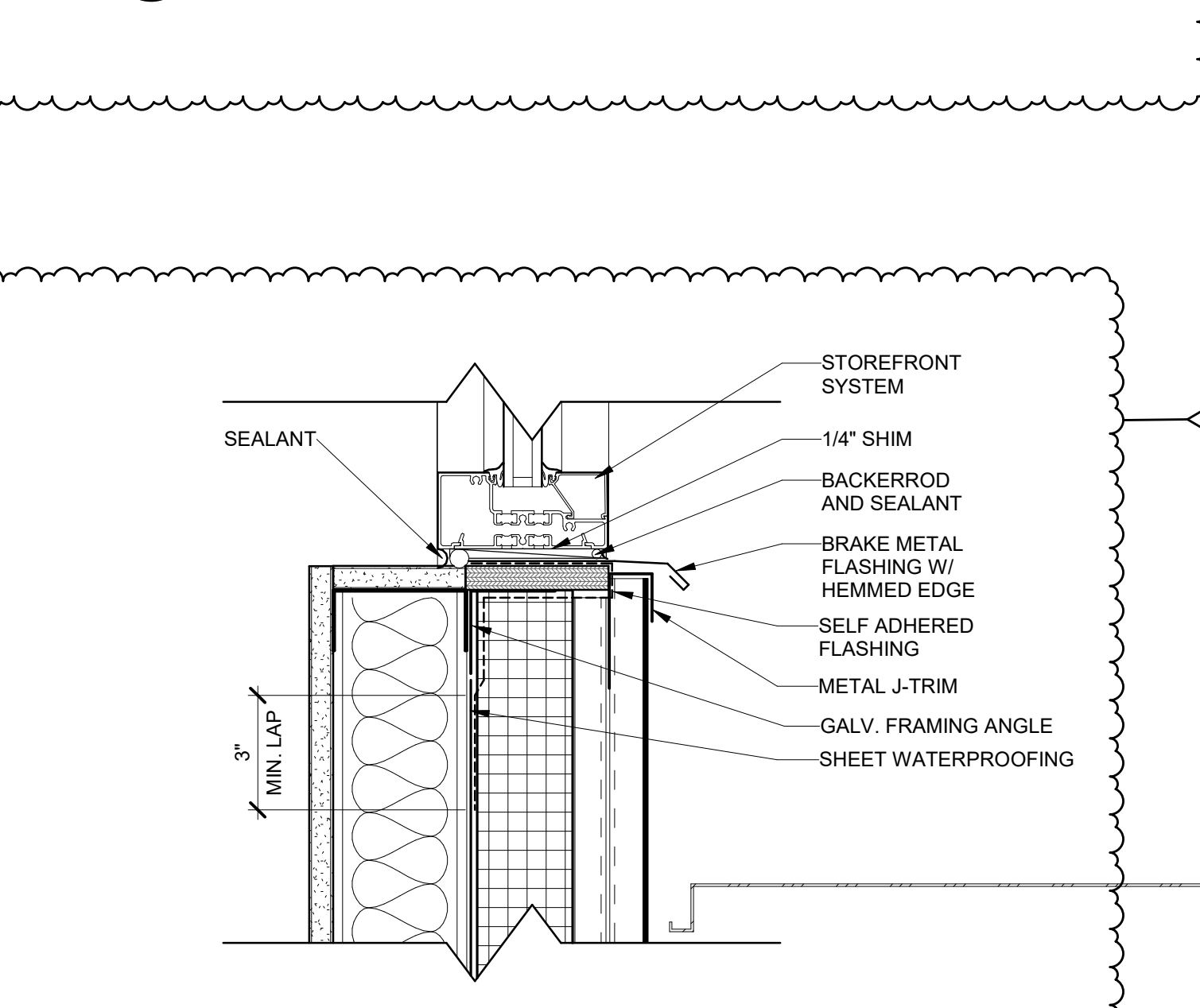
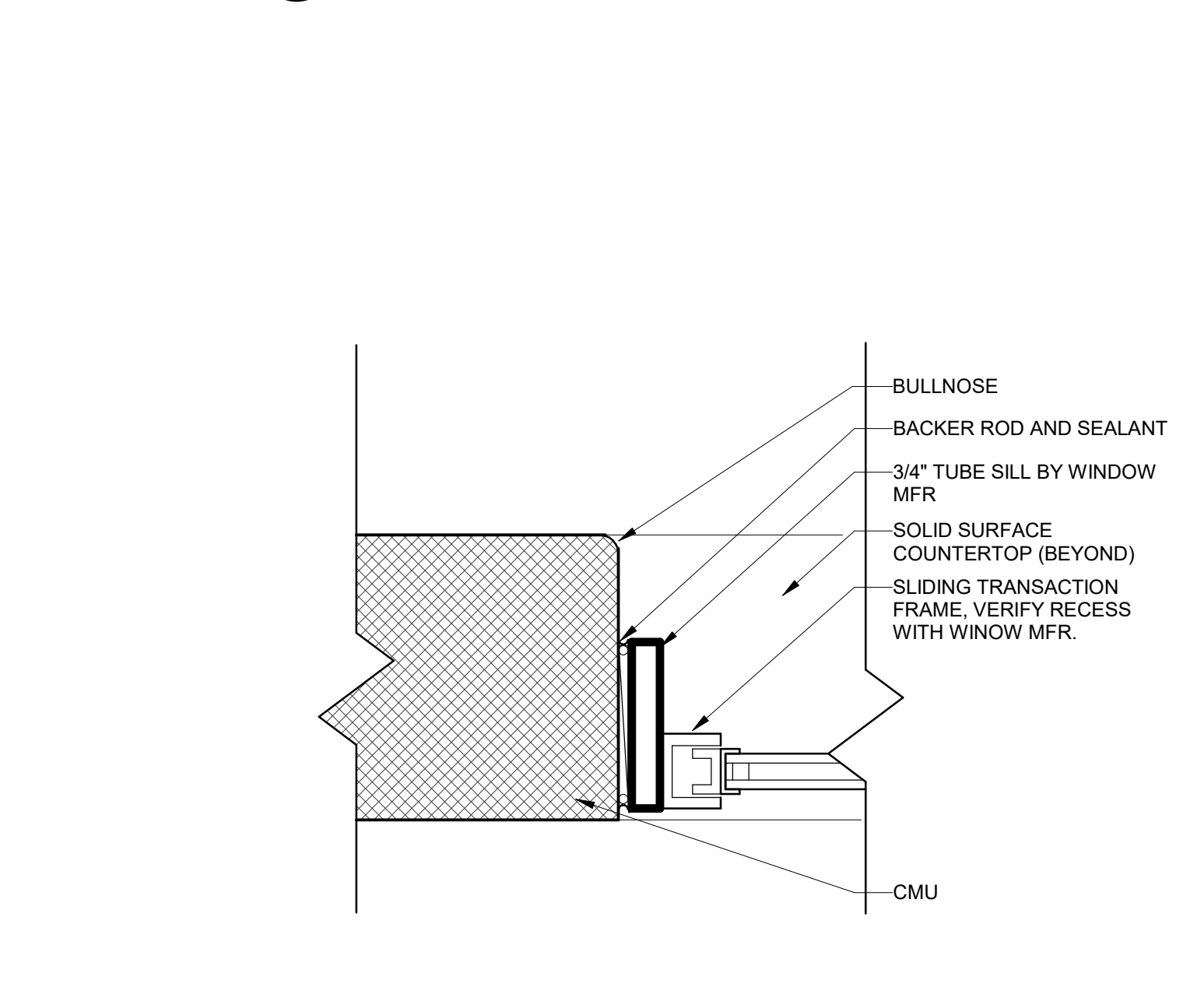
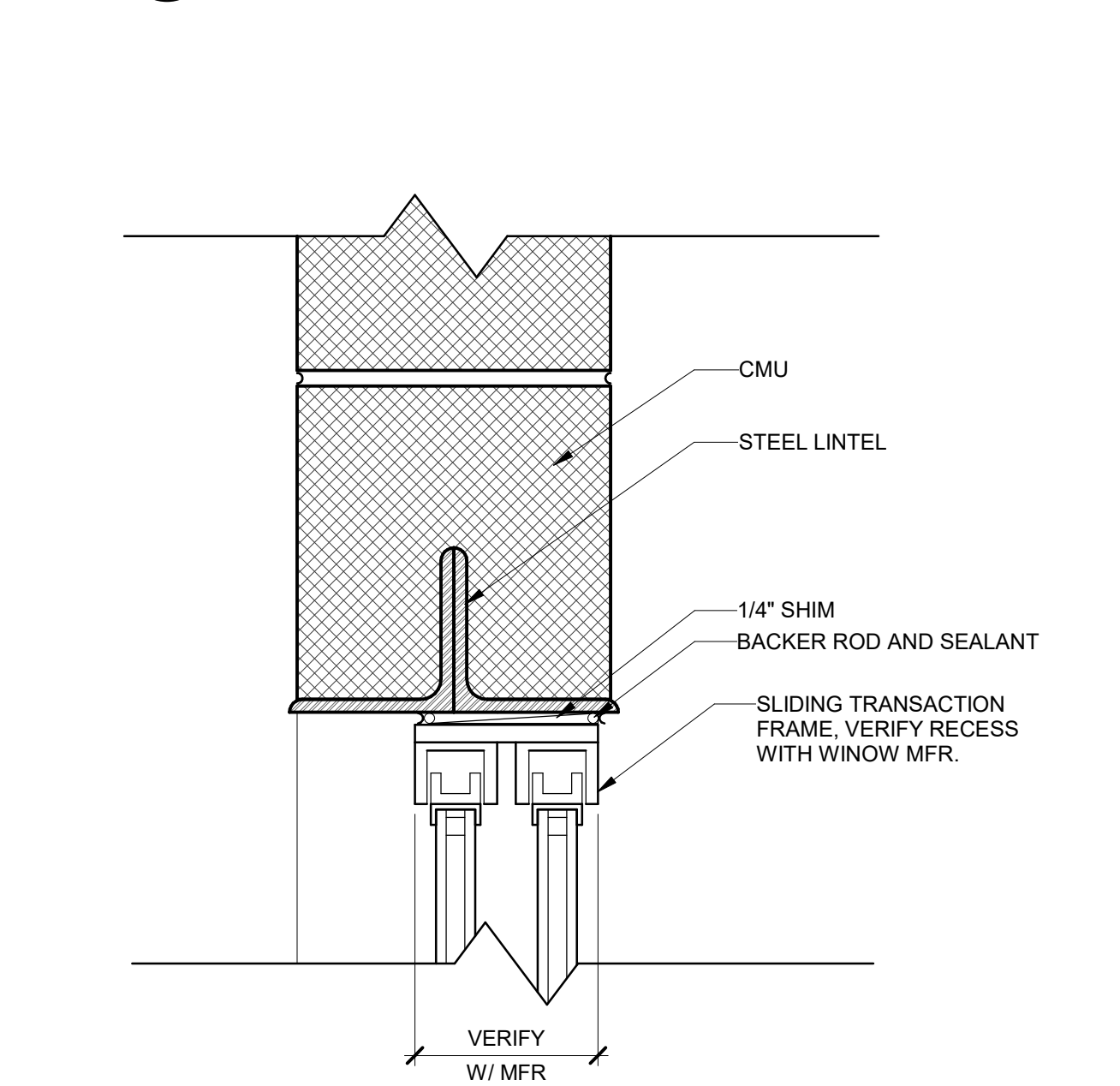
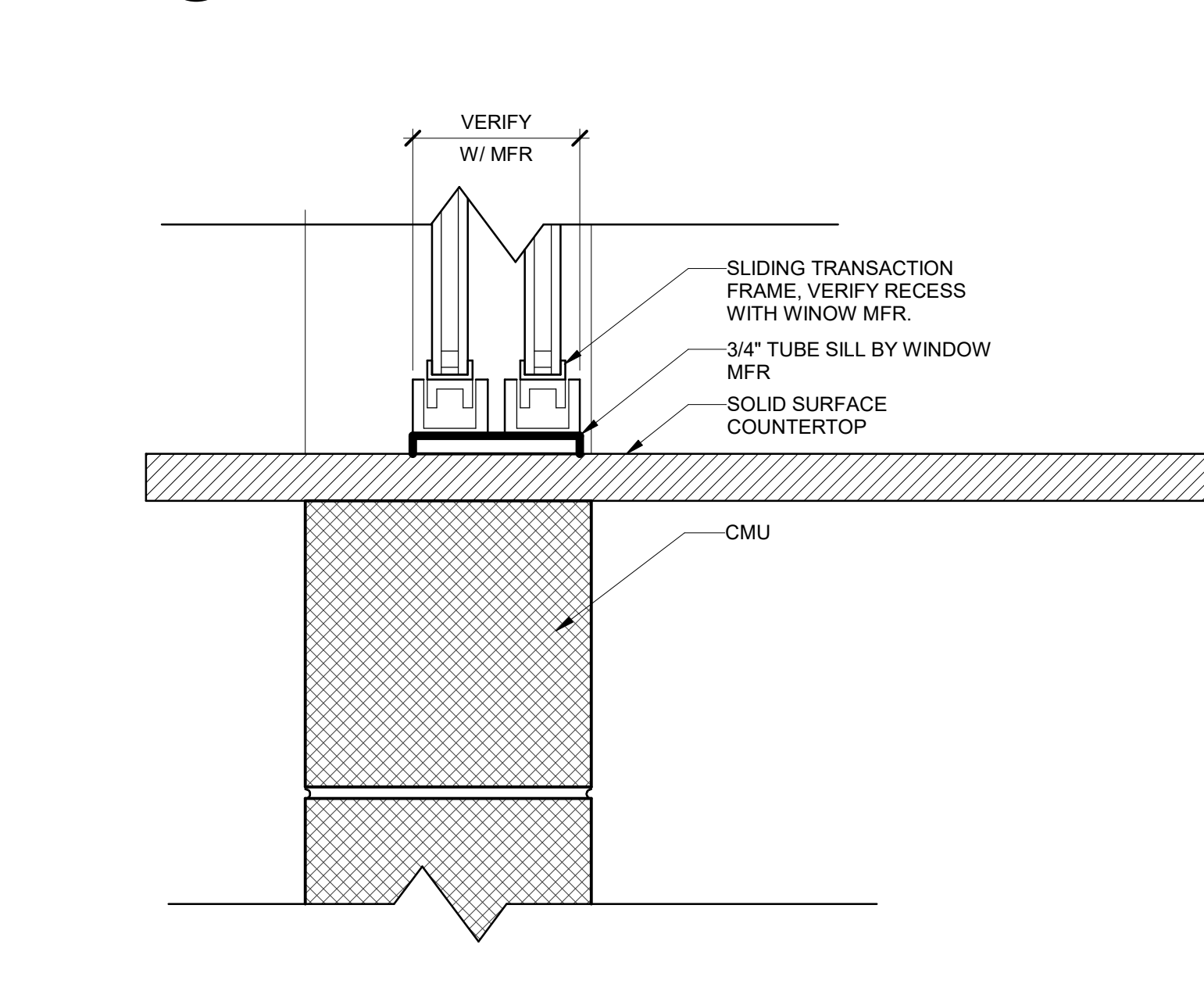
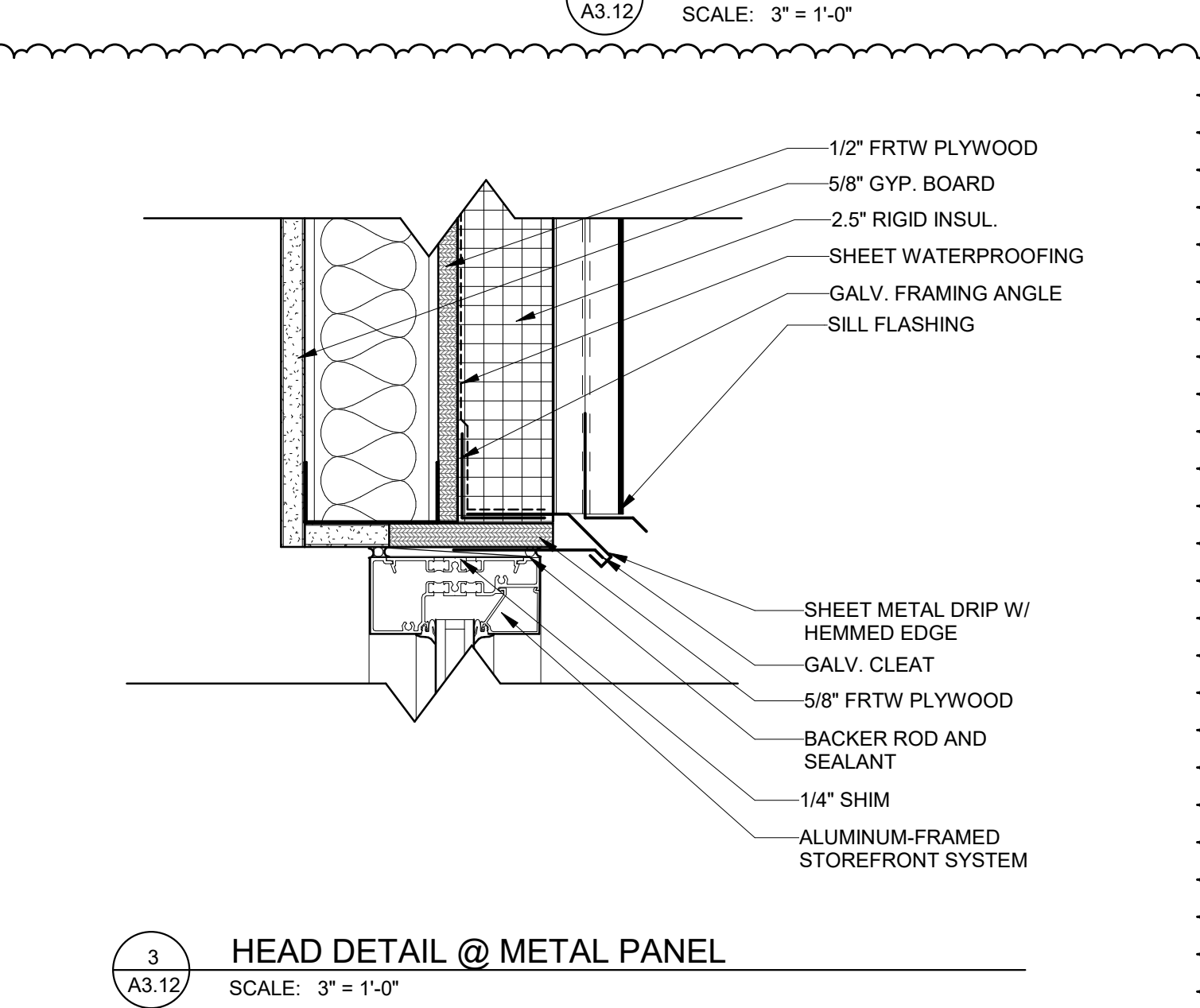
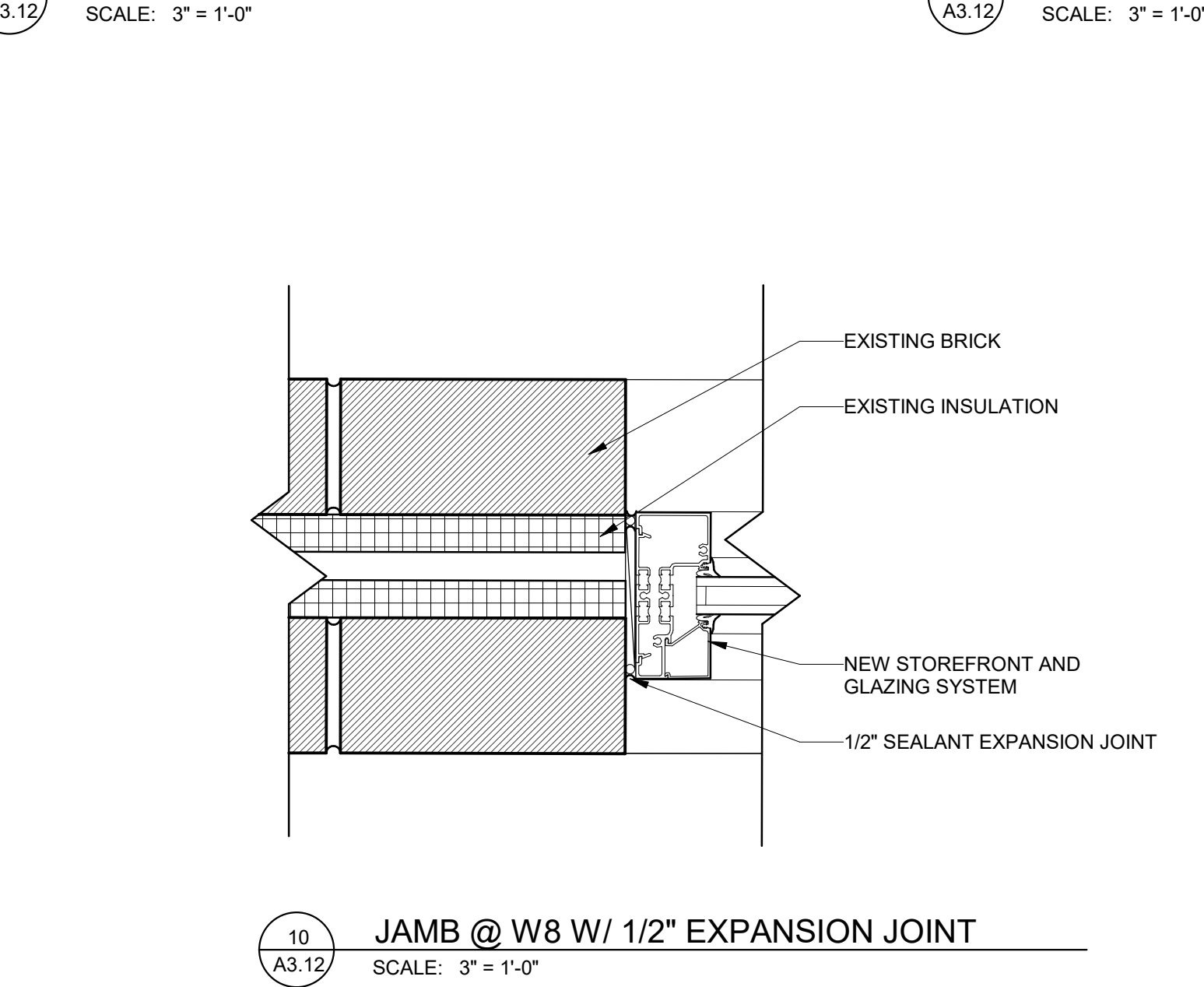
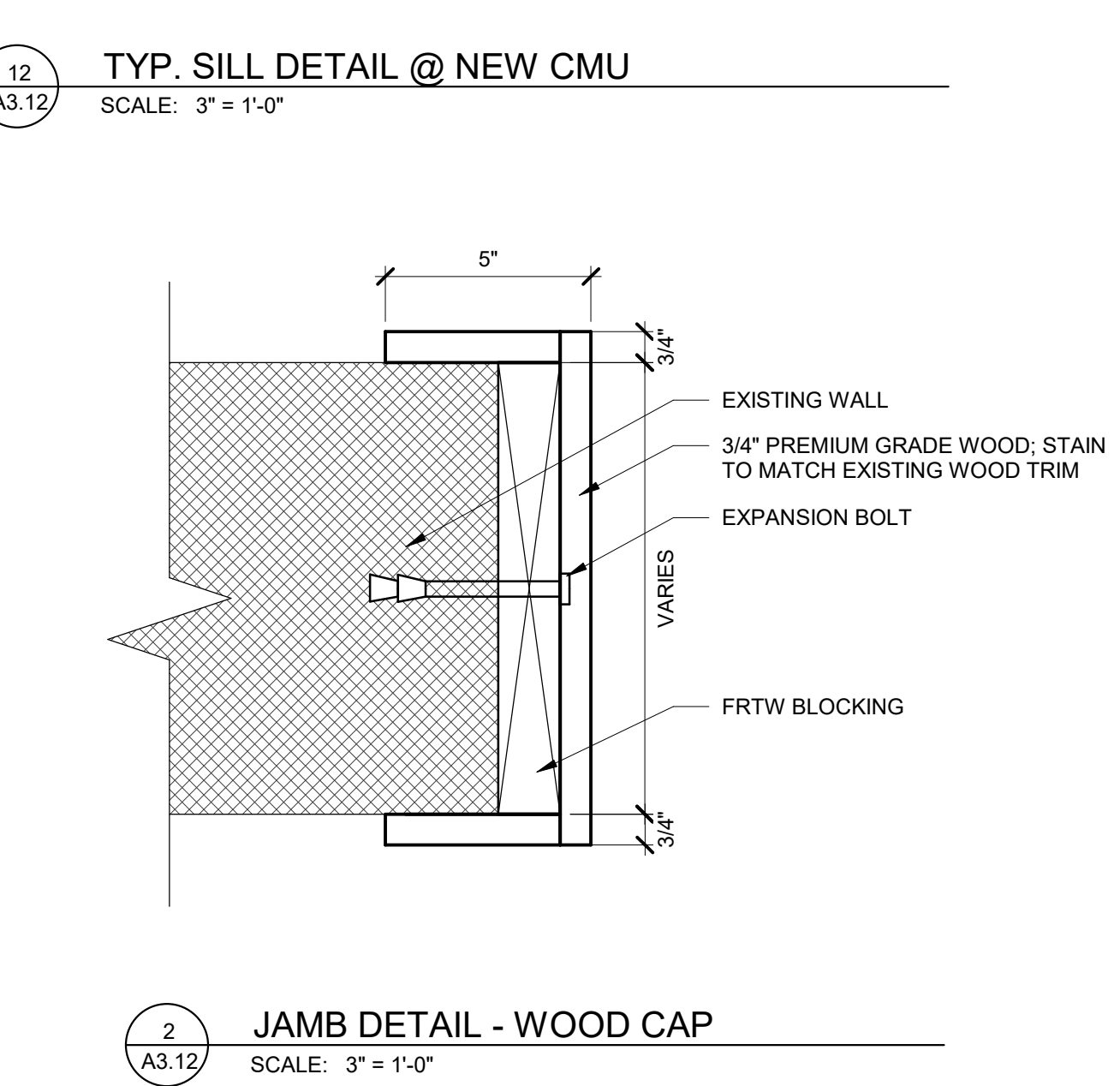
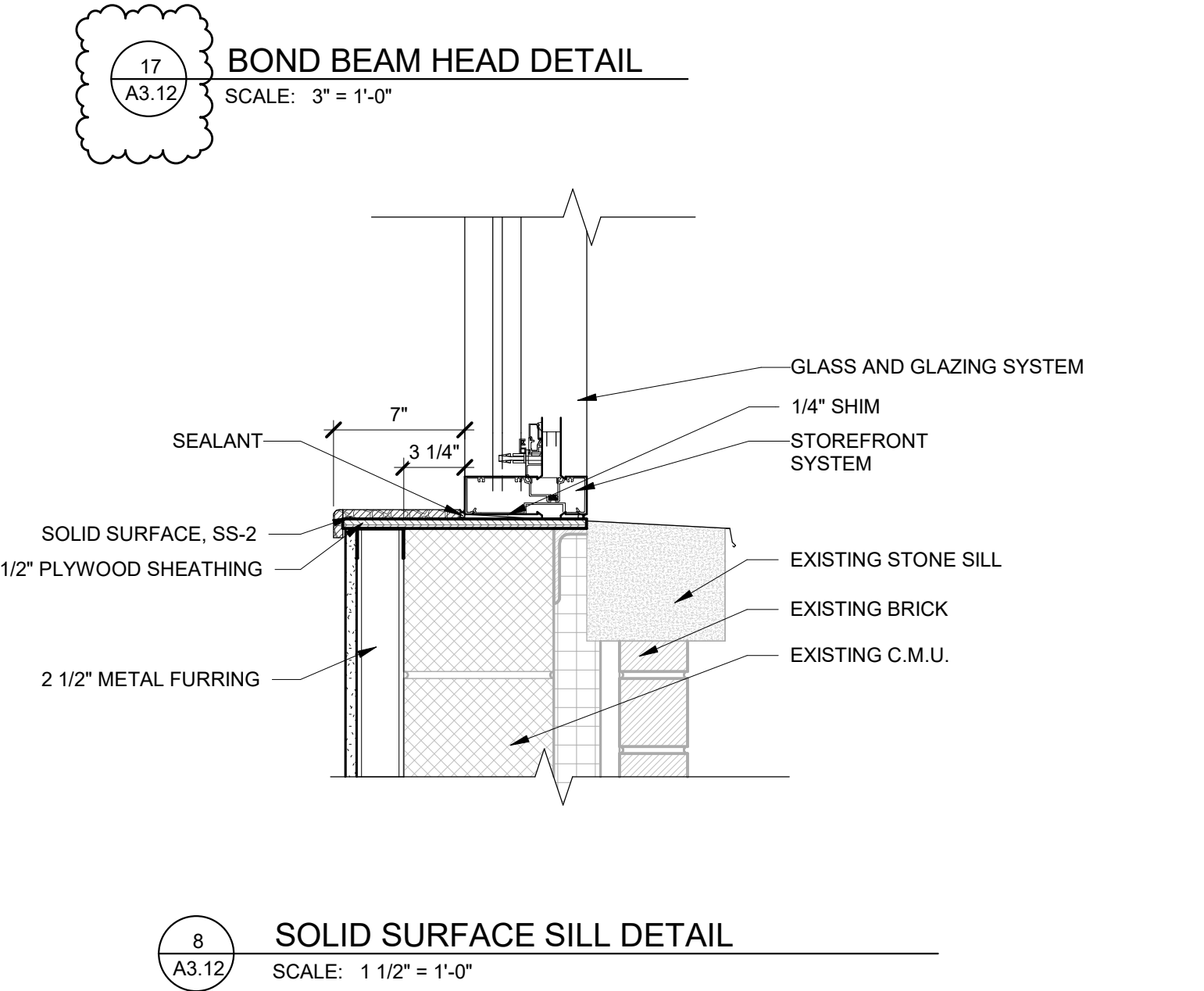
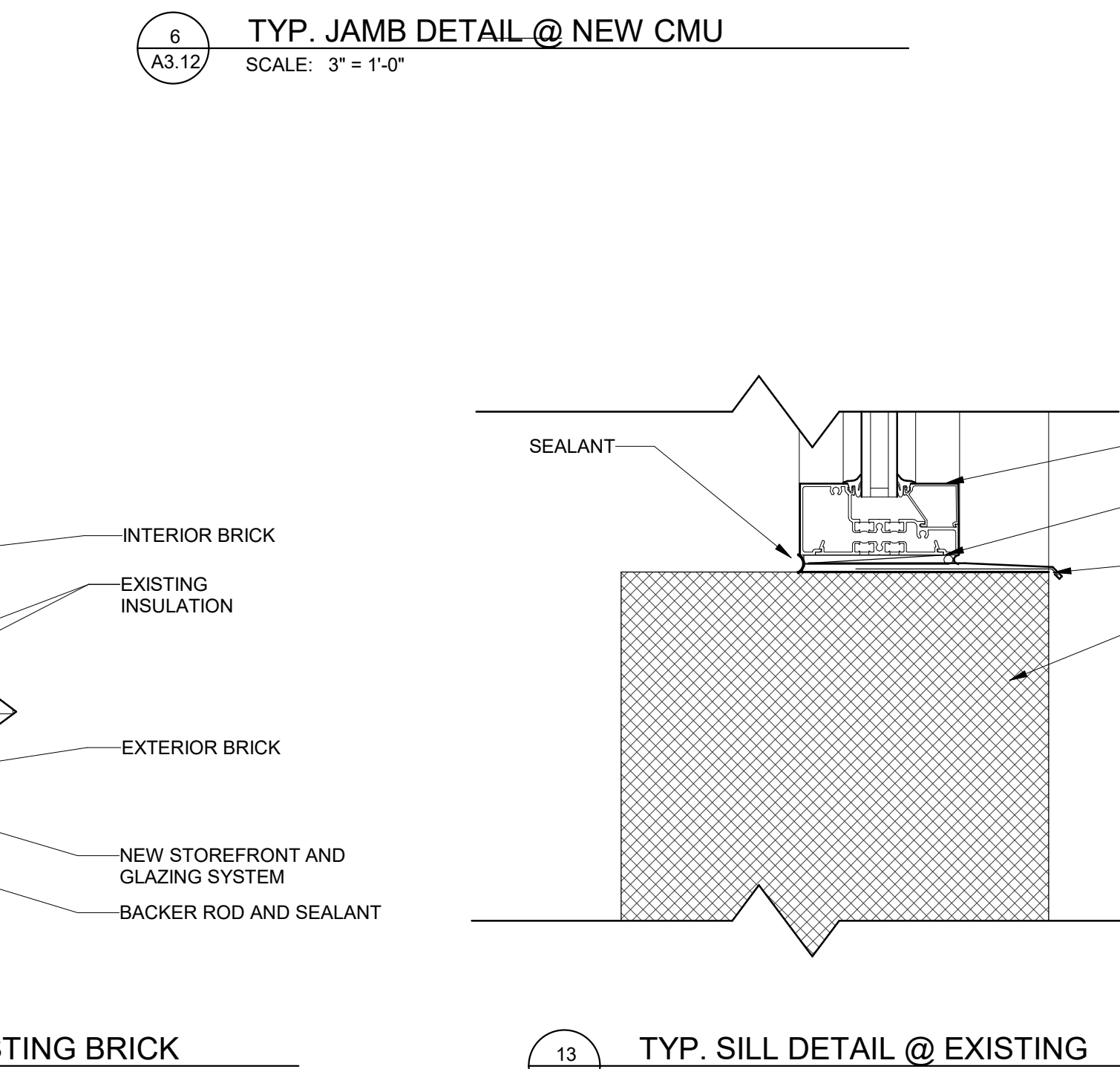
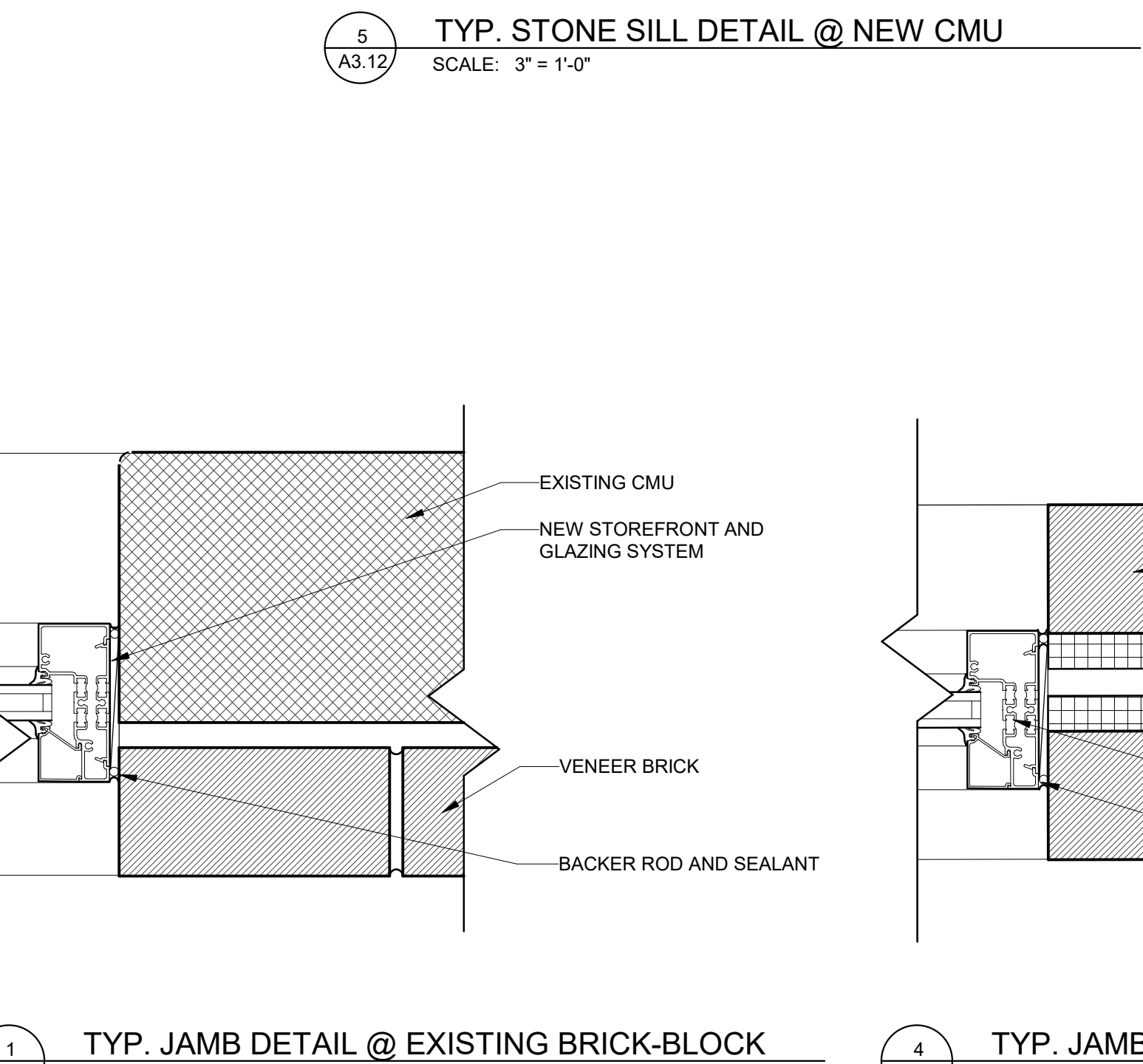
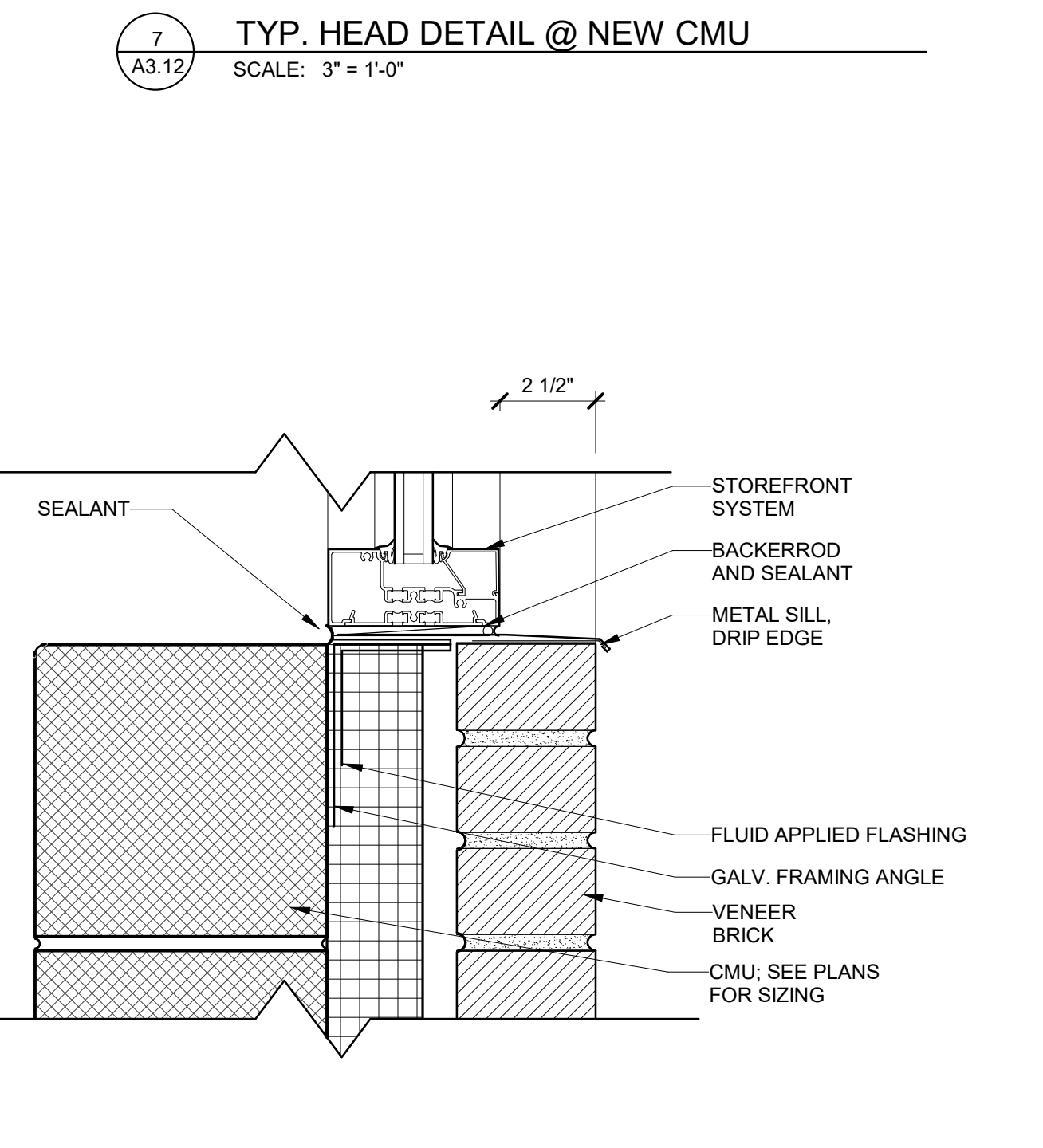
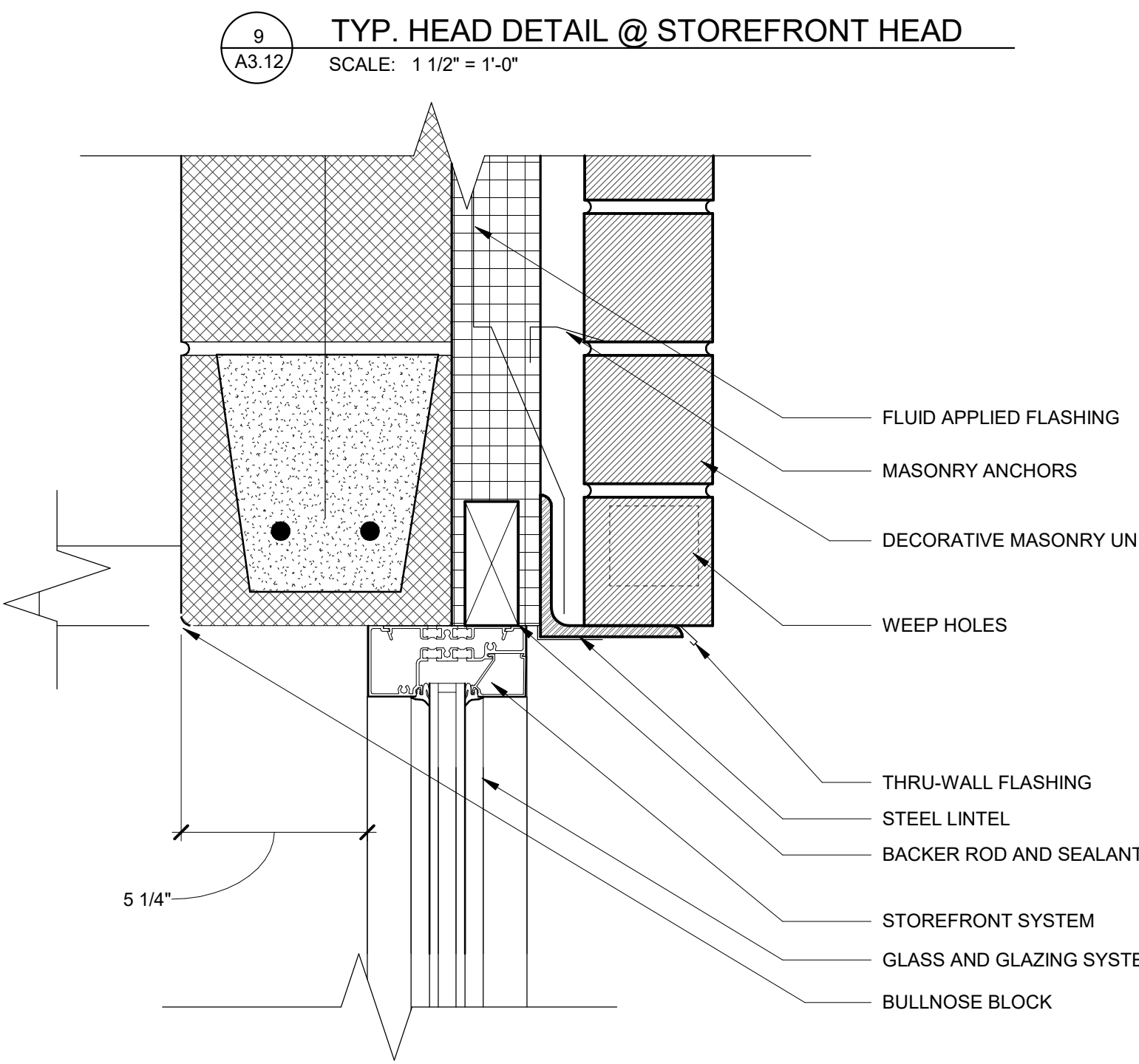
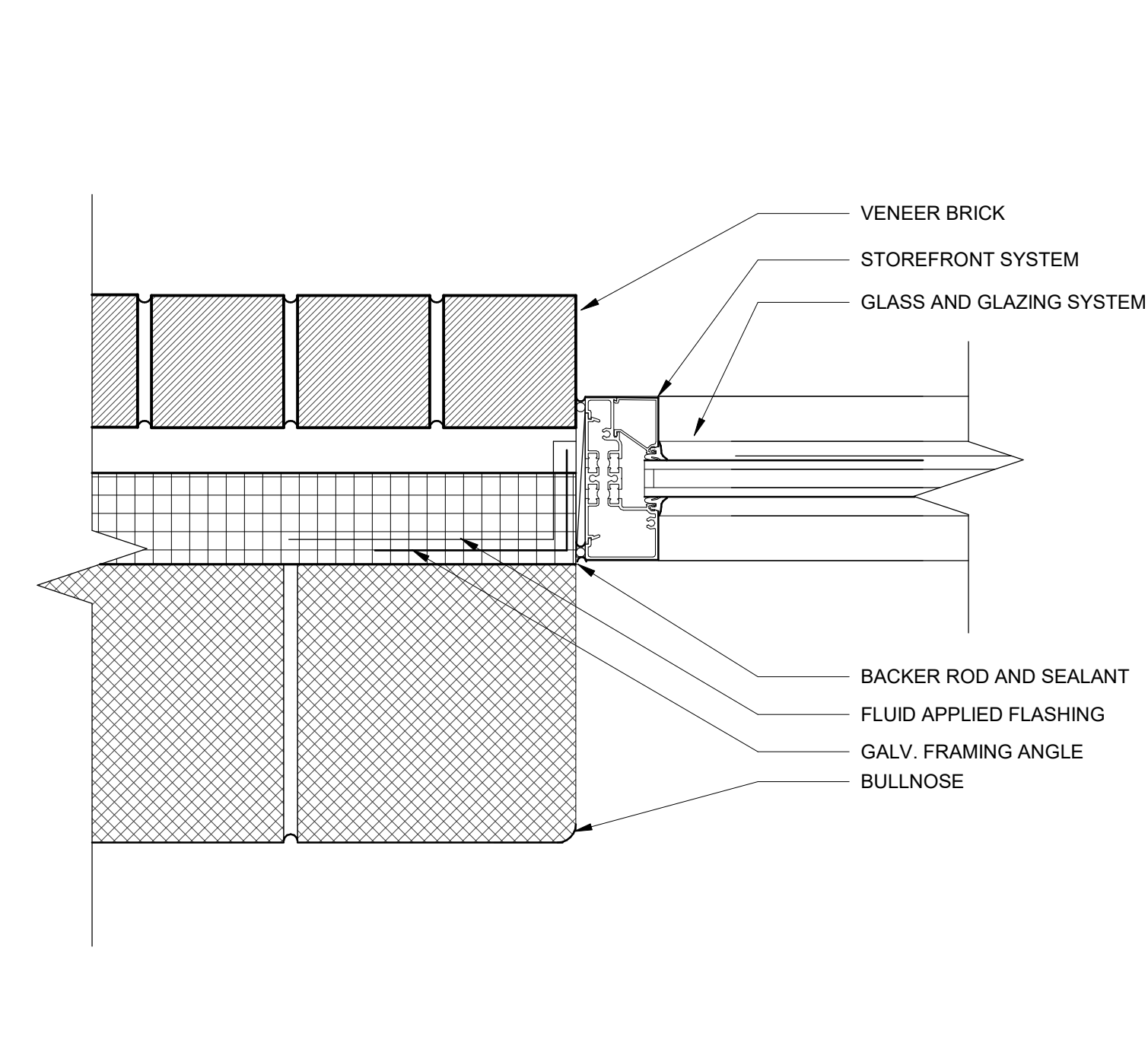
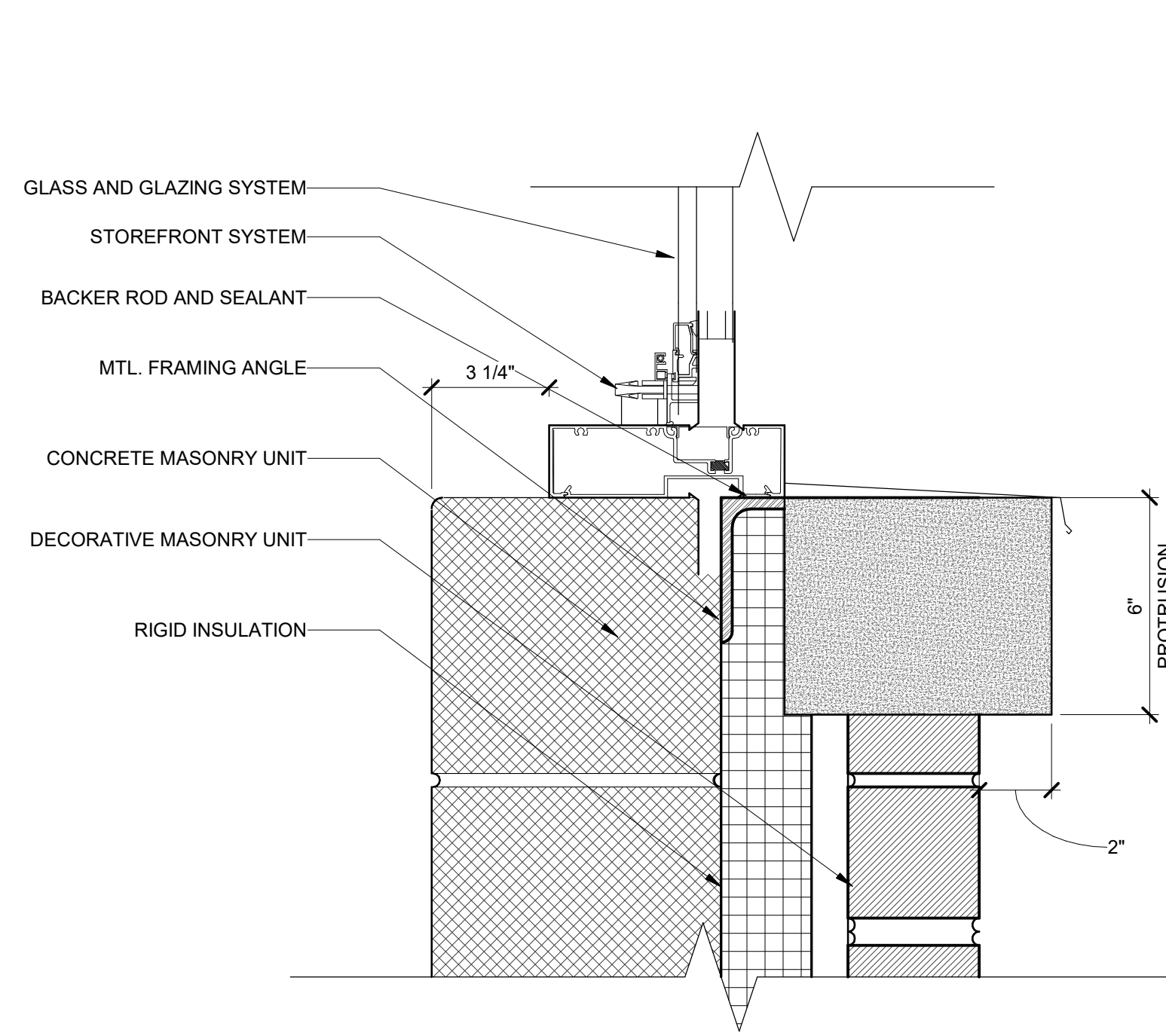
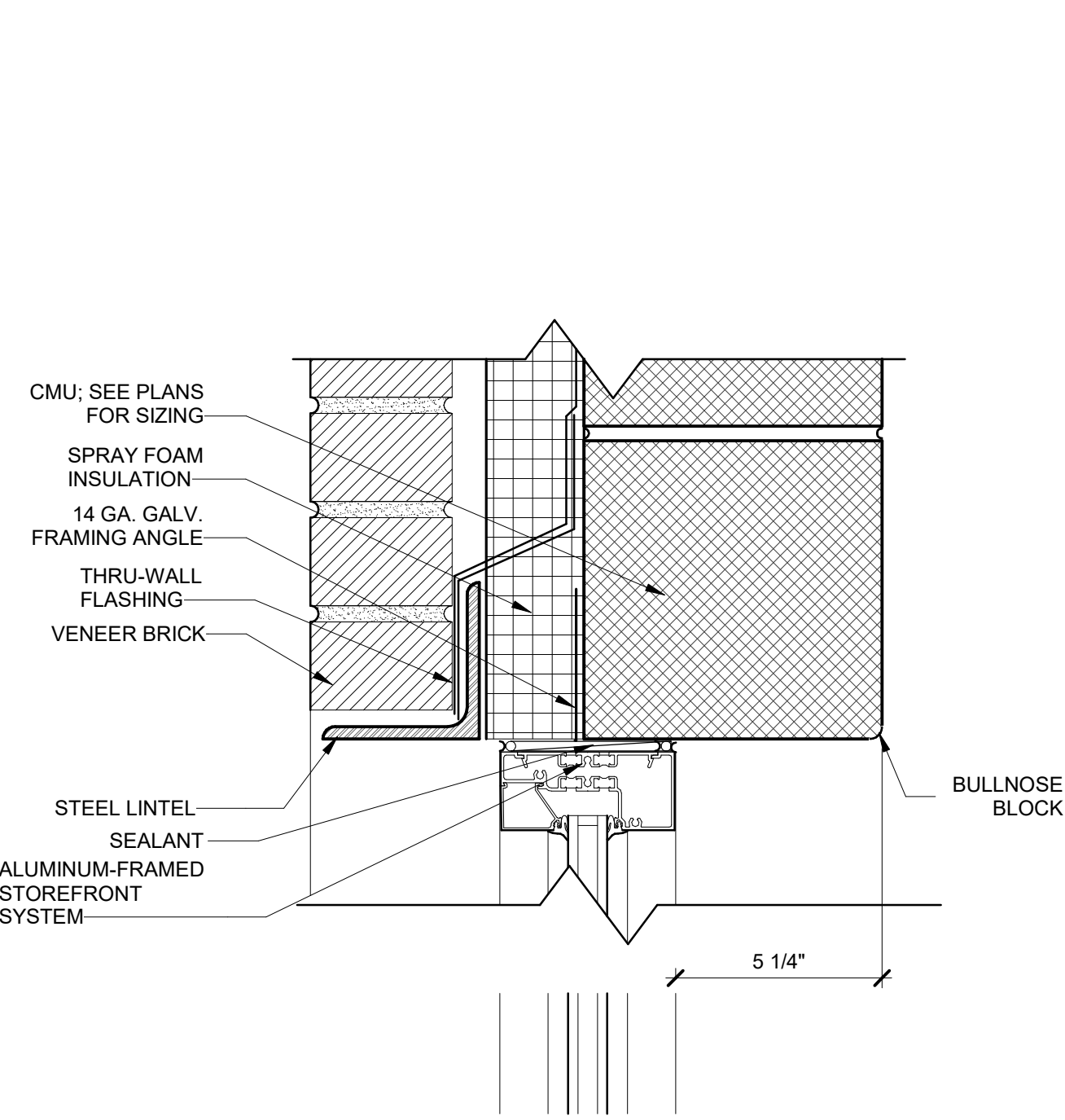
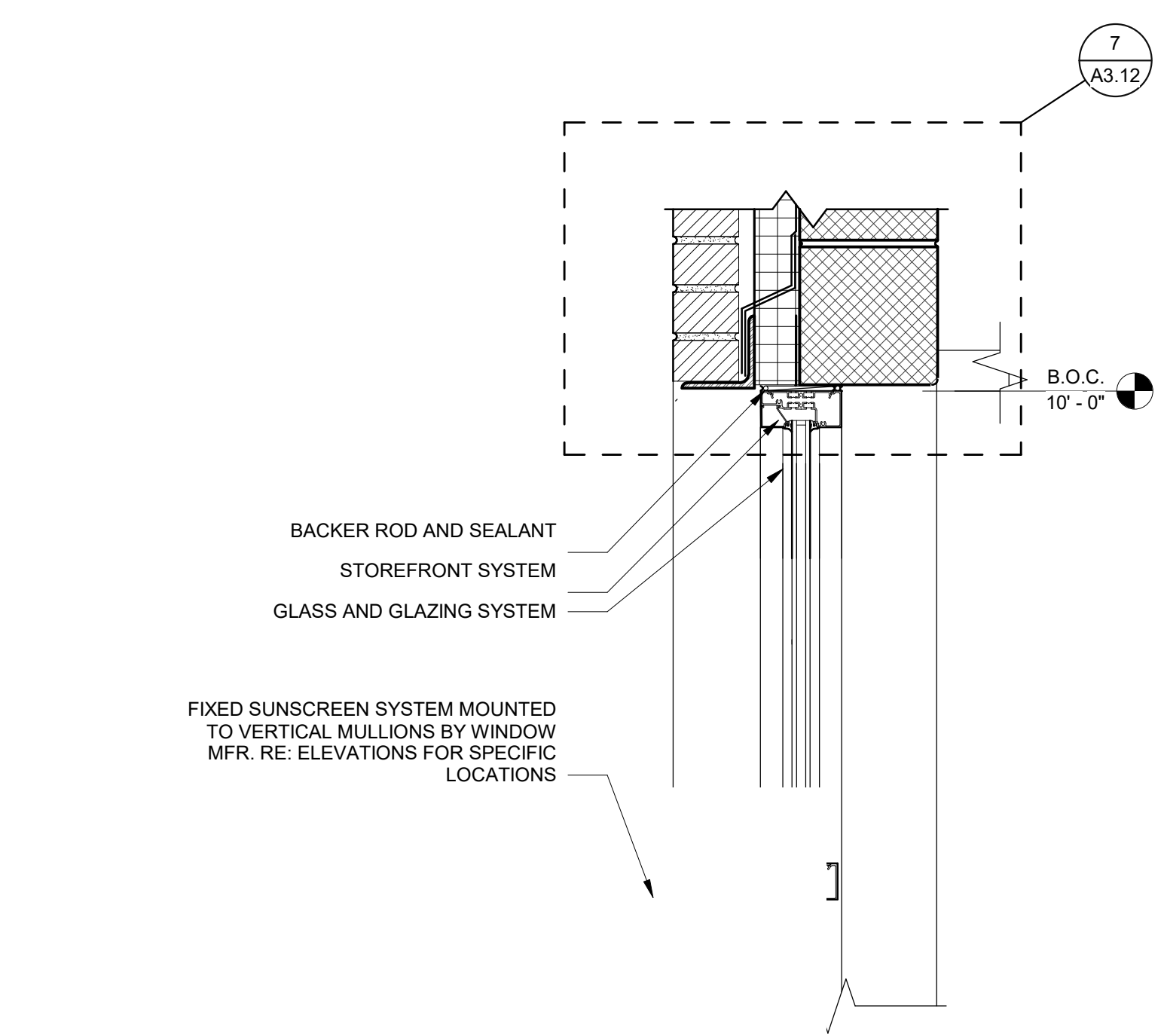
MIDLAND, MICHIGAN


SHEET TITLE  
ROOM FINISH PLANS - AREA B - UPPER LEVEL 3

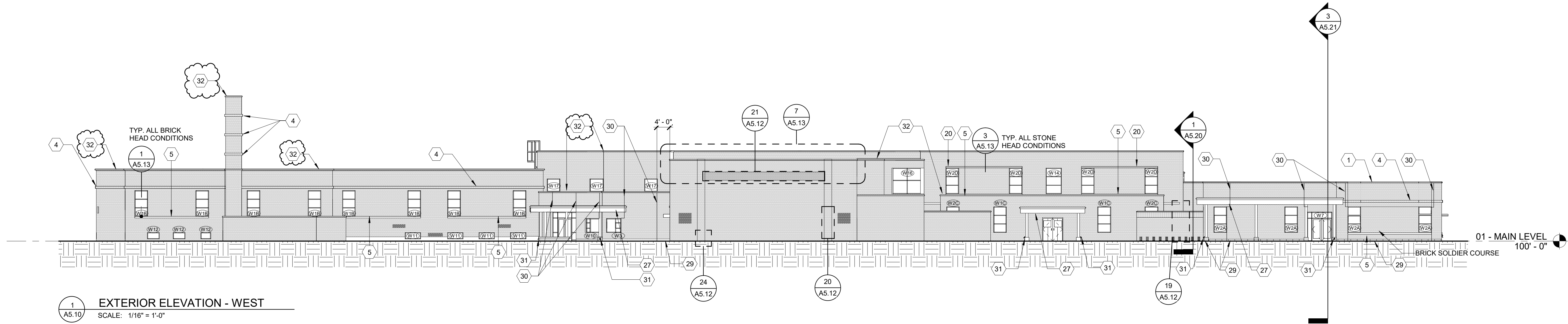
PROJECT NUMBER 2022006.1	SHEET NUMBER
PROJECT DATE AUGUST 23, 2023	A3.05
CHECKED BY JMJ	



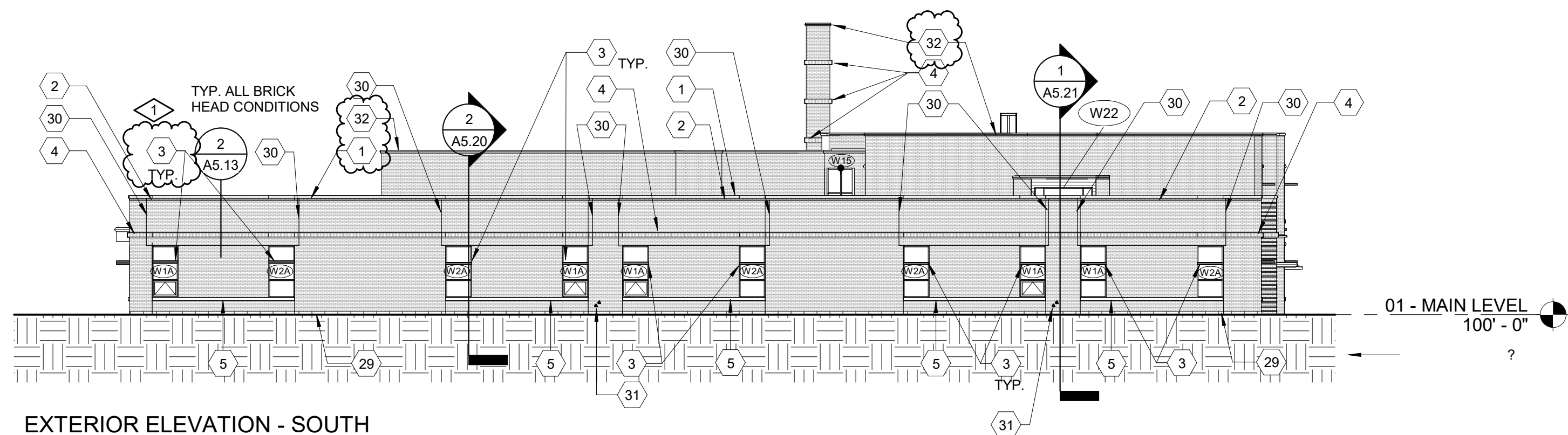




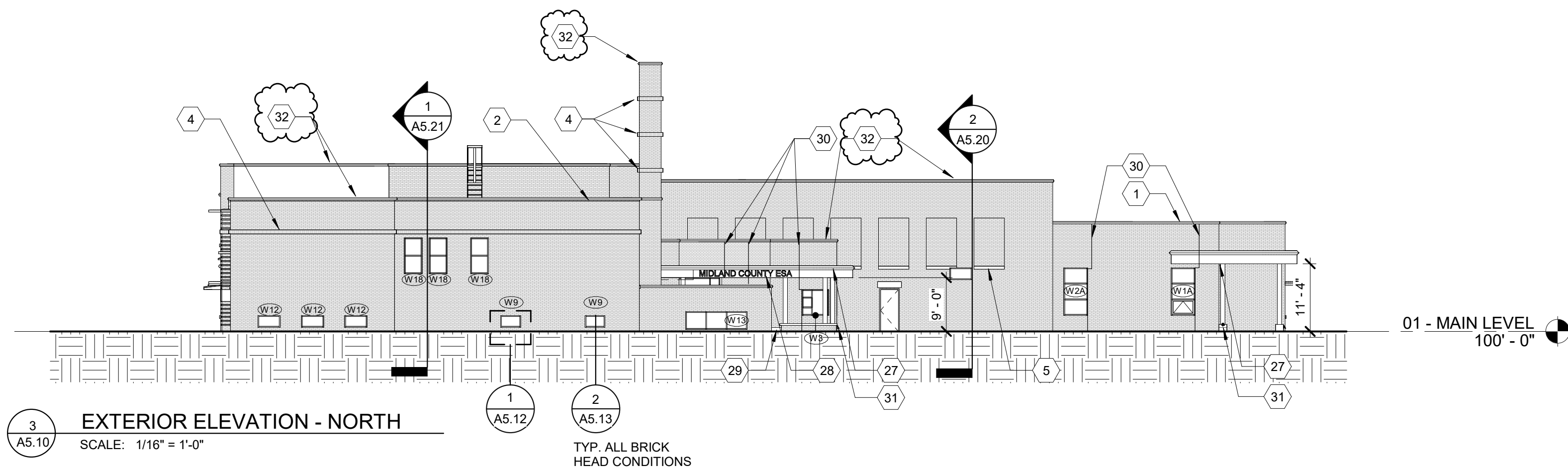
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE
<div><div></div><div>WTAARCH.COM</div></div> <div><div>WTA ARCHITECTS</div><div>100 S Jefferson Ave, Suite 601 Saginaw, Michigan 48607 989 752 8107</div><div>COPYRIGHT © 2023</div></div>		
PROJECT TITLE		
RENOVATION AND ADDITION: MIDLAND COUNTY ESA		
MIDLAND, MICHIGAN		
SHEET TITLE		
FRAME DETAILS		
PROJECT NUMBER 2022006.1		SHEET NUMBER
PROJECT DATE AUGUST 23, 2023		A3.12
CHECKED BY JMJ		



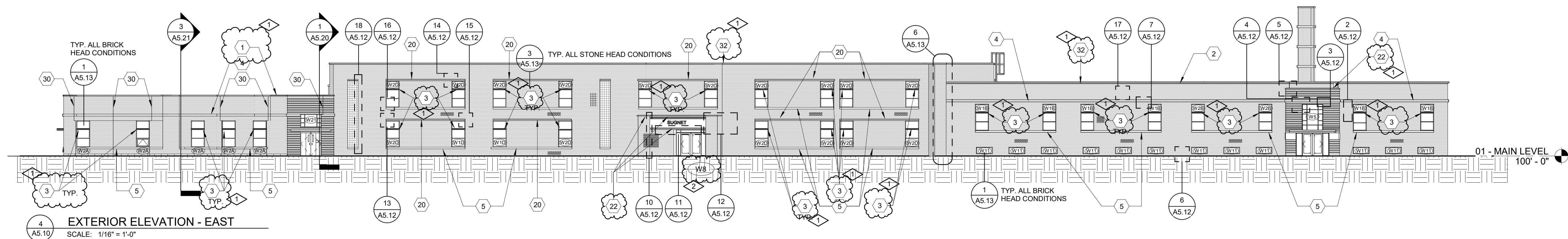
1  
A5.10  
EXTERIOR ELEVATION - WEST  
SCALE: 1/16" = 1'-0"



2  
A5.10  
EXTERIOR ELEVATION - SOUTH  
SCALE: 1/16" = 1'-0"



3  
A5.10  
EXTERIOR ELEVATION - NORTH  
SCALE: 1/16" = 1'-0"



4  
A5.10  
EXTERIOR ELEVATION - EAST  
SCALE: 1/16" = 1'-0"

## # MATERIAL KEYNOTES

- 1 CAST STONE PARAPHET CAP
- 2 1.5" BRICK PROTRUSION
- 3 FIXED SUNSCREEN SYSTEM MOUNTED TO VERTICAL MULLIONS BY WINDOW MFR. RE. ELEVATIONS FOR SPECIFIC LOCATIONS
- 4 1.5" BRICK PROTRUSION; SOLDIER COURSE
- 5 CAST STONE SILL
- 6 FOOTING AND FOUNDATION (SEE STRUCTURAL)
- 7 CONCRETE SLAB (SEE STRUCTURAL)
- 8 COMPACTED GRAINULAR FILL
- 9 DOOR (SEE SCHEDULE)
- 10 GLASS AND GLAZING SYSTEM
- 11 ALUMINUM FRAMING SYSTEM
- 12 FIXTURE AS OCCUR, RE. ELECTRICAL
- 14 REMOVE AND REPLACE ALL CRACKED OR SPALLED BRICK WITHIN THIS AREA WITH NEW. SEE GENERAL NOTE 1 FOR ALLOWANCE.
- 15 EXISTING MORTAR JOINS WITHIN AREA ARE CRACKED, LOOSE, MISSING, OPEN, OR GENERALLY DETERIORATED. REMOVE ALL IDENTIFIED MORTAR TO MINIMUM DEPTH OF 1" AND REPOINT WITH NEW MORTAR. SEE GENERAL NOTE 3 FOR ALLOWANCE.
- 16 OPEN CRACK IN STONE. INJECT THE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE OF THE STONE WITH A COLORED CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO THE ADJACENT SURFACES OF THE EXISTING STONE. SEE GENERAL NOTE 5 FOR ALLOWANCE.
- 17 REMOVED EXISTING SEALANT AND BACKER ROD (IF PRESENT) BETWEEN WINDOW OR FRAME, AND ADJACENT MASONRY. INSTALL NEW BACKER ROD AND SEALANT.
- 18 MASONRY CONTRACTOR SHALL OPEN AREAS INDICATED SIMILAR TO CONDITION (SEE DETAILS). CONTRACTOR SHALL THEN PROVIDE ACCESS FOR ARCHITECT/ENGINEER TO REVIEW. ONCE REVIEW IS COMPLETE THEN CONTRACTOR SHALL INFILL WITH EXISTING KIND MATERIALS.
- 19 SALVAGE A MINIMUM OF THREE COURSES OF BRICK ABOVE TOP OF WINDOW TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING AND REPLACE BRICK. SEE GENERAL NOTE 3 FOR ALLOWANCES. SEE DETAIL A5.13.
- 20 SALVAGE STONE HEADER AND ONE COURSE OF BRICK ABOVE HEADER TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING. REINSTALL HEADER AND BRICK. SEE GENERAL NOTE 3 FOR ALLOWANCES. SEE DETAIL A5.13.
- 21 SAW CUT BRICK. INSTALL A NEW 1/2" VERTICAL EXPANSION JOINT FREE OF MASONRY AND MORTAR FULL DEPTH. FILL JOINT WITH NEW BACKER ROD AND SEALANT. SEE DETAIL A5.13.
- 22 EXISTING LIMESTONE COPING PIECE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. ALL EXPOSED SURFACES SHALL BE CHEMICALLY CLEANED TO REMOVE DIRT AND STAINS. ALL EXISTING MORTAR AND FLASHING SHALL BE REMOVED FROM HEAD AND BED JOINT SURFACES. INSTALL NEW COPING FLASHING ALONG THE ENTIRE LENGTH OF REPLACED COPING. SEE DETAIL 706.11.
- 23 HATCHING INDICATES AREA OF BRICK WALL TO BE SALVAGED IN ORDER TO REPAIR AND FLASH EMBEDDED STEEL CONDITIONS.
- 24 REMOVE EXISTING ABANDONED ANCHOR. INFILL CAVITY WITH MORTAR AND RESEAL.
- 25 RESEAL GAP WITH SILICONE AROUND EXISTING PIPE.
- 26 INJECT CONCRETE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE WITH CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO ADJACENT EXISTING SURFACE. SEE GENERAL NOTE 6 FOR ALLOWANCE.
- 27 CANOPY
- 28 CAST ALUMINUM LETTERING 18" HIGH CENTERED IN FACIA.
- 29 LIMESTONE BASE COURSE
- 30 MASONRY CONTROL JOINT
- 31 LIMESTONE BASE COURSE
- 32 EXISTING LIMESTONE COPING. ALL EXPOSED SURFACES TO BE CHEMICALLY CLEANED TO REMOVE DIRT & STAINS. ALL MISALIGNED COPING TO BE REMOVED AND REINSTALLED TO MATCH EXISTING. ALL DETERIORATED MORTAR JOINTS AND SEALANT TO BE CLEANED AND REINSTALLED.

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23

NO.	REVISION	DATE
-----	----------	------



WTAARCH.COM

## WTA ARCHITECTS

100 S. Jefferson Ave., Suite 601  
Saginaw, Michigan 48607  
989.752.8107  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
EXTERIOR ELEVATIONS

PROJECT NUMBER  
2022006.1

PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

SHEET NUMBER

A5.10



EXTERIOR RESTORATION  
GENERAL NOTES:

1. INCLUDE AN ALLOWANCE FOR THE REMOVAL AND REPLACEMENT OF ONE HUNDRED (100) INDIVIDUALLY DAMAGED BRICK UNITS. NEW BRICK SHALL MATCH EXISTING EXPOSED BRICK COURSING, COLOR, COLOR VARIATION WITHIN UNITS, SURFACE TEXTURE, SIZE, AND SHAPE. LOCATIONS SHALL BE FIELD REVIEWED WITH CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO ANY WORK BEING PERFORMED. SEE EXTERIOR RESTORATION MATERIAL KEYNOTE NO. 14.
2. INCLUDE ALLOWANCE FOR THE REMOVAL AND REPLACEMENT OF ONE HUNDRED SQUARE FEET (100 SF) OF DAMAGED BRICK UNITS. NEW BRICK SHALL MATCH EXISTING EXPOSED BRICK COURSING, COLOR, COLOR VARIATION WITHIN UNITS, SURFACE TEXTURE, SIZE, AND SHAPE. LOCATIONS SHALL BE FIELD REVIEWED, VERIFIED, AND DOCUMENTED WITH CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO ANY WORK BEING PERFORMED. SEE EXTERIOR RESTORATION MATERIAL KEYNOTE NO. 14.
3. INCLUDE AN ALLOWANCE FOR THE REMOVAL AND REPLACING OF ONE THOUSAND FIVE HUNDRED LINEAR FEET (1500') OF DAMAGED MORTAR JOINTS. DEPTH OF NEW MORTAR SHALL BE 1 INCH. MINIMUM LOCATIONS SHALL BE FIELD REVIEWED, VERIFIED AND DOCUMENTED WITH CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO ANY WORK BEING PERFORMED. SEE EXTERIOR RESTORATION MATERIAL KEYNOTE NO. 15.
4. INCLUDE AN ALLOWANCE FOR THE REMOVAL AND REPLACEMENT OF SEVEN HUNDRED SEVENTY-FIVE FEET (775') OF STEEL ANGLE LINTEL. SEE EXTERIOR RESTORATION MATERIAL KEYNOTE NO. 19, NO. 20.
5. INCLUDE AN ALLOWANCE FOR TEN (10) INJECTED EPOXY AND CEMENTITIOUS COMPOUND, AND STAINLESS-STEEL DOWEL FOR STONE CRACK REPAIRS. LOCATIONS SHALL BE FIELD REVIEWED, VERIFIED AND DOCUMENTED WITH CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO ANY WORK BEING PERFORMED. SEE EXTERIOR RESTORATION MATERIAL KEYNOTE NO. 16.
6. INCLUDE AN ALLOWANCE FOR TEN (10) INJECTED EPOXY AND CEMENTITIOUS COMPOUND CONCRETE FOUNDATION REPAIRS. LOCATIONS SHALL BE FIELD REVIEWED, VERIFIED AND DOCUMENTED WITH CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO ANY WORK BEING PERFORMED. SEE EXTERIOR RESTORATION MATERIAL KEYNOTE NO. 26.
7. CONTRACTOR TO COORDINATE LOCATIONS OF ADDITIONAL PENETRATIONS THROUGH WALLS AND FLOORS NOT INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL. REFER TO STRUCTURAL DRAWINGS FOR LINTEL OR FRAMING REQUIREMENTS.
8. AFTER COMPLETION OF WORK, CONTRACTOR SHALL CLEAN ALL WINDOW UNITS WHERE CONSTRUCTION DUST, DIRT, AND MATERIAL RESIDUE, ETC. MAY BE PRESENT.
9. AT ALL LOCATIONS OF MASONRY REMOVAL AND REPLACEMENT, CONTRACTOR SHALL PROPERLY INSTALL SHORING TO SUPPORT EXISTING MASONRY TO REMAIN ABOVE OPENED AREA. FAILURE TO INSTALL ADEQUATE SHORING THAT RESULTS IN DAMAGE TO THE MASONRY TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE DAMAGED MASONRY AND/OR ADJACENT SURFACES, WALLS, ETC.
10. ALL ROOF AREAS AFFECTED BY CONSTRUCTION ACTIVITY SHALL BE PROTECTED WITH 3/4" PLYWOOD ON 2" RIGID SLOTTED INSULATION ON 6 MIL PLASTIC SHEETING OVER THE EXISTING ROOFING. THIS SHALL INCLUDE ROOFS BOTH ABOVE AND BELOW THE AREA UNDER CONSTRUCTION. DO NOT BLOCK EXISTING ROOF DRAINS. MAINTAIN POSITIVE DRAINAGE TO THEM. PROTECT DRAINS FROM DAMAGE.
11. COLOR SCHEDULE FOR NEW SEALANTS SHALL BE AS FOLLOWS:
  1. VERTICAL BRICK TO BRICK = RED TO MATCH BRICK
  2. HORIZONTAL BRICK OR STONE = LIMESTONE (U.N.O.)
  3. BRICK TO STONE OR STONE TO STONE = LIMESTONE
12. PROVIDE ACTUAL IN WALL SEALANT MOCKUPS OF EACH TYPE AND COLOR FOR OWNER AND ARCHITECT'S REVIEW. MOCKUPS MAY BECOME PART OF THE PERMANENT WORK IF APPROVED.
13. AT LOCATIONS WHERE MORE THAN 2.67 SQ.FT. OF BRICK IS REMOVED AND REPLACED WITH NEW BRICK, OR UNLESS NOTED OTHERWISE, INSTALL NEW ADJUSTABLE STAINLESS STEEL BRICK TIES AT 24" O.C. HORIZONTALLY AND 16" O.C. VERTICALLY. SEE SPECIFICATIONS FOR TIES.
14. ALONG WITH CLEANING ALL AREAS OF THE NEW MASONRY INSTALLATIONS AND WHERE SPECIFIC STAINING IS NOTED TO BE CLEANED, CONTRACTOR SHALL CLEAN ALL AREAS OF EXISTING MASONRY BELOW AND ADJACENT TO THE WORK AREA THAT MAY BE AFFECTED BY RUN-OFF OR OVER-SPRAY AT NO ADDITIONAL COST TO OWNER.
15. ALL WELDING ON THIS PROJECT IS TO BE PERFORMED BY CERTIFIED WELDERS (NO EXCEPTIONS). INDIVIDUAL WELDERS' CERTIFICATES TO BE INCLUDED IN SUBMITTALS.
16. ALL WELDING WORK AND FLASHING PANS TO BE INSPECTED BY ARCHITECT, STRUCTURAL ENGINEER, AND/OR TESTING COMPANY HIRED BY OWNER PRIOR TO COVERING WITH NEW MASONRY.
17. WHERE ALL NEW FLASHINGS TERMINATE AGAINST A VERTICAL SURFACE - PROVIDE PROPER WATERTIGHT END DAMS THAT DIRECT WATER TO DRAINAGE WEEPS. STAINLESS STEEL PAN FLASHINGS SHALL HAVE EDGE TURNED UP WITH CORNERS SOLDERED WATERTIGHT. TYPICAL ALL LOCATIONS.
18. ALL PENETRATIONS SHALL BE SEALED WITH SEALANT AND BACKER ROD ON NEW AND EXISTING FACE BRICK.
19. ALL ABANDONED ANCHORS ON FACE BRICK SHALL BE REMOVED AND THE CAVITY INFILLED WITH MORTAR.
20. ALL WORK INDICATED ON DRAWINGS DOES NOT NECESSARILY HAVE A CORRESPONDING "EXTERIOR RESTORATION KEYNOTE" ASSIGNED TO IT AND MAY BE INDICATED BY "GENERAL NOTES" OR DETAILS.
21. CLEAN ALL EXISTING STONE SURFACES SALVAGED OR TO REMAIN.
22. CLEAN ALL EXISTING AND NEW BRICK.

MATERIAL KEYNOTES

1. CAST STONE PARAPHET CAP
2. FIXED SUNSCREEN SYSTEM MOUNTED TO VERTICAL MULLION BY WINDOW MFR. RELEVATIONS FOR SPECIFIC LOCATIONS
3. CAST STONE SILL
4. 1.5" BRICK PROTRUSION: SOLDIER COURSE
5. CAST STONE SILL
6. FOOTING AND FOUNDATION (SEE STRUCTURAL)
7. CONCRETE SLAB (SEE STRUCTURAL)
8. COMPACTED GRAINULAR FILL
9. DOOR (SEE SCHEDULE)
10. GLASS AND GLAZING SYSTEM
11. ALUMINUM FRAMING SYSTEM
12. FIXTURE AS OCCUR; RE: ELECTRICAL
14. REMOVE AND REPLACE ALL CRACKED OR SPALLED BRICK WITHIN THIS AREA WITH NEW. SEE GENERAL NOTE 1 FOR ALLOWANCE.
15. EXISTING MORTAR JOINTS WITHIN AREA ARE CRACKED, LOOSE, MISSING, OPEN, OR GENERALLY DETERIORATED. REMOVE ALL IDENTIFIED MORTAR TO MINIMUM DEPTH OF 1" AND REPOINT WITH NEW MORTAR. SEE GENERAL NOTE 3 FOR ALLOWANCE.
16. OPEN CRACK IN STONE. INJECT THE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE OF THE STONE WITH A COLORED CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO THE ADJACENT SURFACES OF THE EXISTING STONE. SEE GENERAL NOTE 5 FOR ALLOWANCE.
17. REMOVED EXISTING SEALANT AND BACKER ROD (IF PRESENT) BETWEEN WINDOW OR FRAME, AND ADJACENT MASONRY. INSTALL NEW BACKER ROD AND SEALANT.
18. MASONRY CONTRACTOR SHALL OPEN AREAS INDICATED SIMILAR TO CONDITION (SEE DETAILS). CONTRACTOR SHALL THEN PROVIDE ACCESS FOR ARCHITECT/ENGINEER TO REVIEW. ONCE REVIEW IS COMPLETE THEN CONTRACTOR SHALL INFILL WITH EXISTING KIND MATERIALS.
19. SALVAGE A MINIMUM OF THREE COURSES OF BRICK ABOVE TOP OF WINDOW TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING AND REPLACE BRICK. SEE GENERAL NOTE 1, 3, 4, 5 FOR ALLOWANCES. SEE DETAIL 3/A5.13.
20. SALVAGE STONE HEADER AND ONE COURSE OF BRICK ABOVE HEADER TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING. REINSTALL HEADER AND BRICK. SEE GENERAL NOTE 1, 3, 4, 5 FOR ALLOWANCES. SEE DETAIL 3/A5.13.
21. SAW CUT BRICK. INSTALL A NEW 1/2" VERTICAL EXPANSION JOINT FREE OF MASONRY AND MORTAR FULL DEPTH. FILL JOINT WITH NEW BACKER ROD AND SEALANT. SEE DETAIL 4/A5.13.
22. EXISTING LIMESTONE COPING PIECE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. ALL EXPOSED SURFACES SHALL BE CHEMICALLY CLEANED TO REMOVE DIRT AND STAINS. ALL EXISTING MORTAR AND FLASHING SHALL BE REMOVED FROM HEAD AND BED JOINT SURFACES. INSTALL NEW COPING FLASHING ALONG THE ENTIRE LENGTH OF REPLACED COPING. SEE DETAIL 7/A5.13.
23. HATCHING INDICATES AREA OF BRICK WALL TO BE SALVAGED IN ORDER TO REPAIR AND FLASH EMBEDDED STEEL CONDITIONS.
24. REMOVE EXISTING ABANDONED ANCHOR. INFILL CAVITY WITH MORTAR AND RESEAL.
25. RESEAL GAP WITH SILICONE AROUND EXISTING PIPE.
26. INJECT CONCRETE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE WITH CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO ADJACENT EXISTING SURFACE. SEE GENERAL NOTE 6 FOR ALLOWANCE.
27. CANOPY
28. CAST ALUMINUM LETTERING 18" HIGH CENTERED IN FACIA
29. LIMESTONE BASE COURSE
30. MASONRY CONTROL JOINT
31. LIMESTONE BASE COURSE
32. EXISTING LIMESTONE COPING. ALL EXPOSED SURFACES TO BE CHEMICALLY CLEANED TO REMOVE DIRT & STAINS. ALL MISALIGNED COPING TO BE REMOVED AND REINSTALLED TO MATCH EXISTING. ALL DETERIORATED MORTAR JOINTS AND SEALANT TO BE CLEANED AND REINSTALLED.

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE



WTAARCH.COM

**WTA ARCHITECTS**

100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989.752.8107

COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
**MIDLAND COUNTY ESA**

MIDLAND, MICHIGAN

SHEET TITLE  
**EXTERIOR DETAILS**

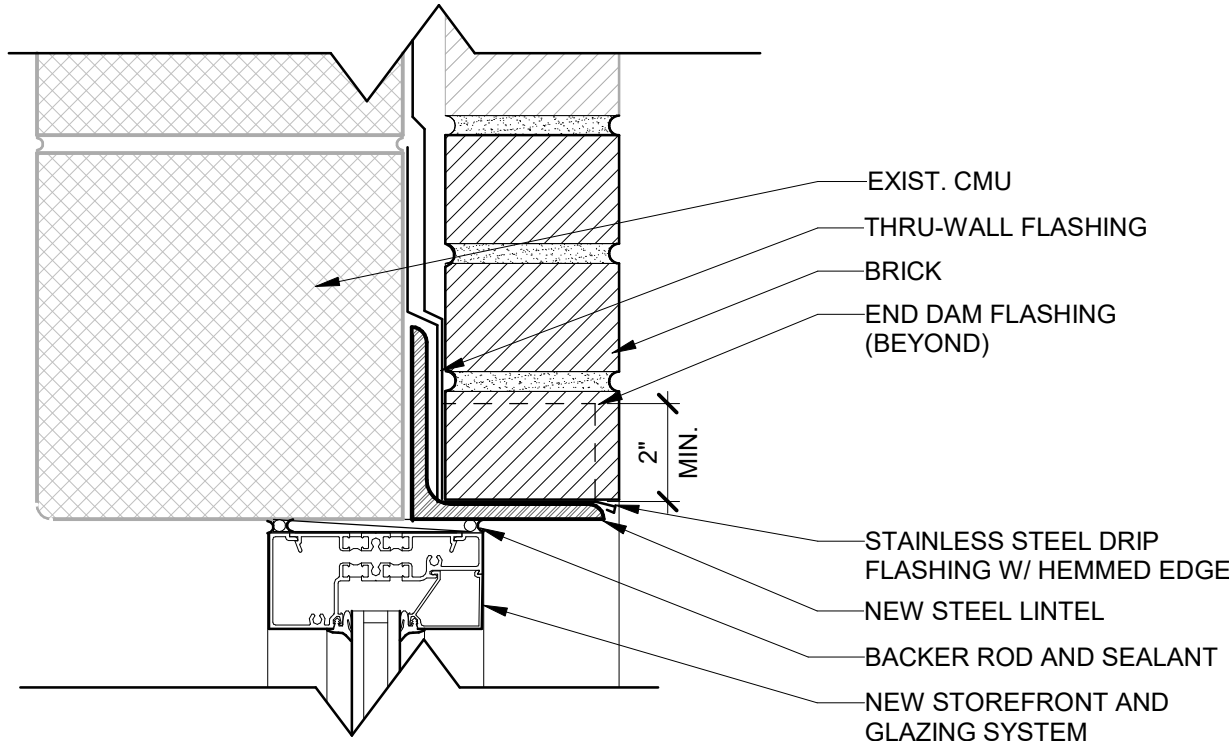
PROJECT NUMBER  
**2022006.1**

PROJECT DATE  
**AUGUST 23, 2023**

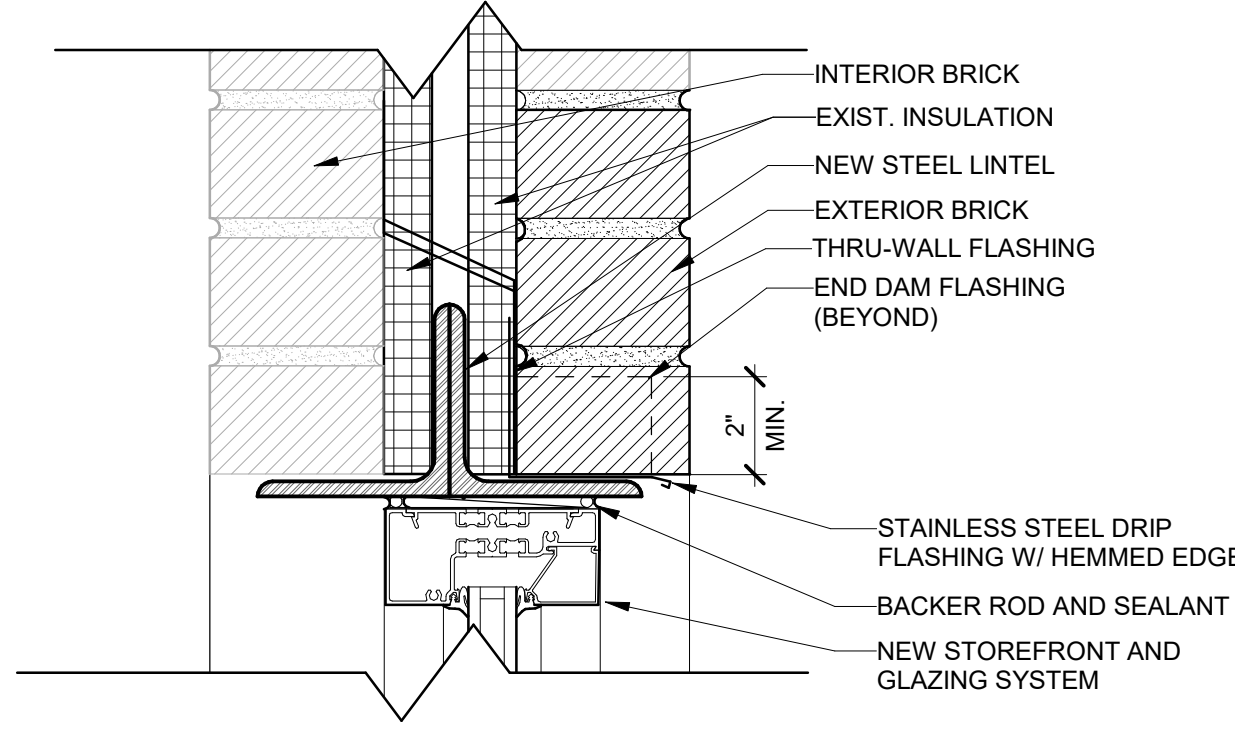
CHECKED BY  
**JMJ**

SHEET NUMBER

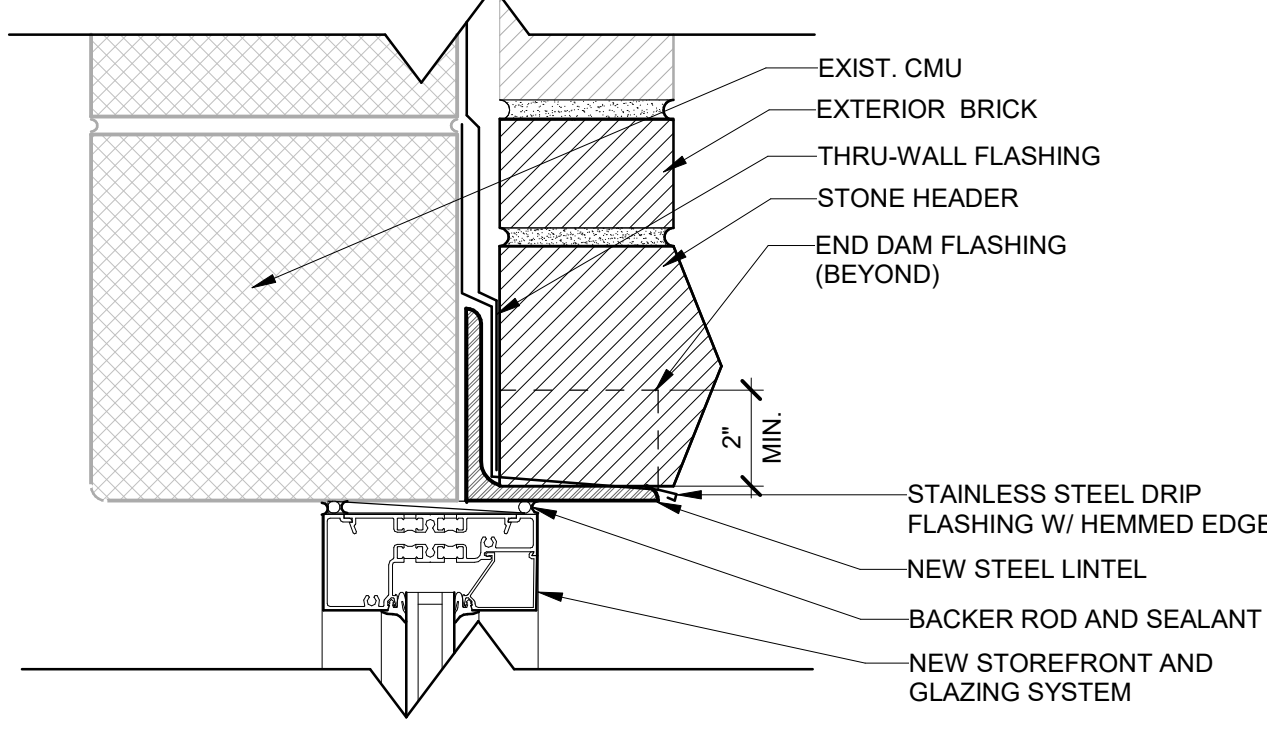
**A5.13**



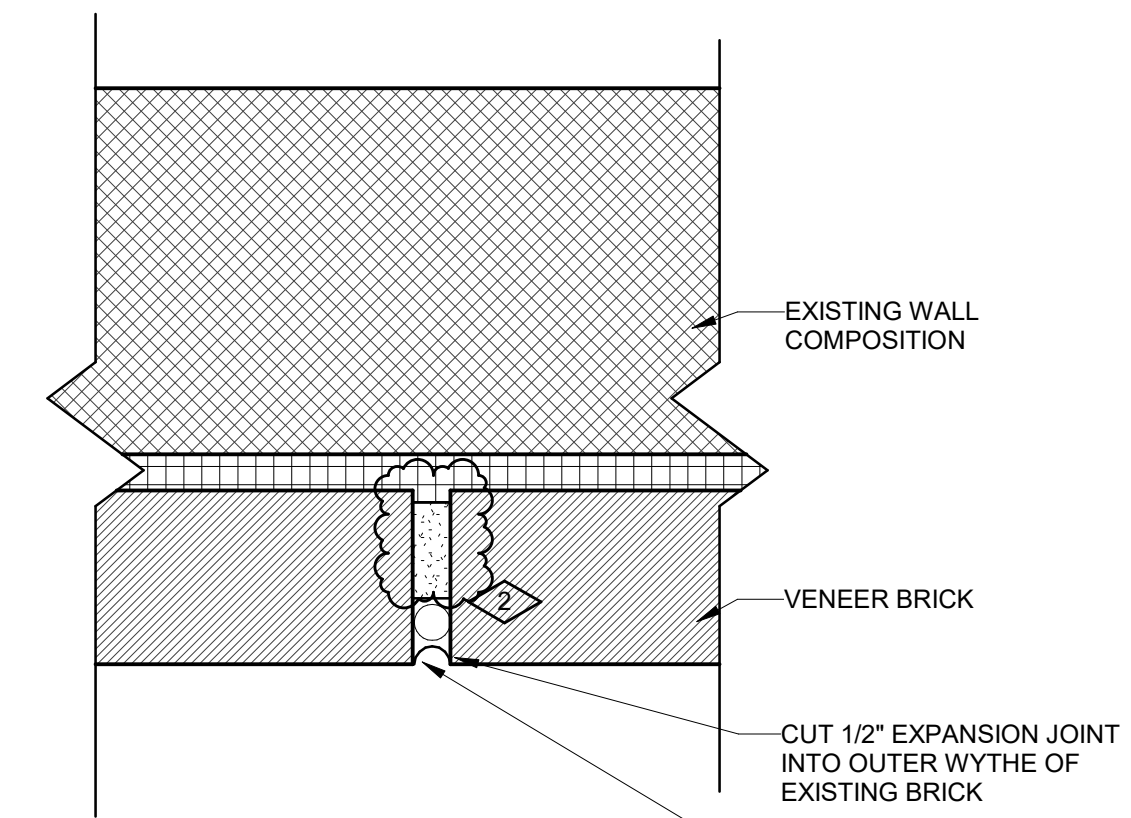
1 TYP. LINTEL DETAIL @ BRICK-BLOCK RENOVATION  
SCALE: 3" = 1'-0"



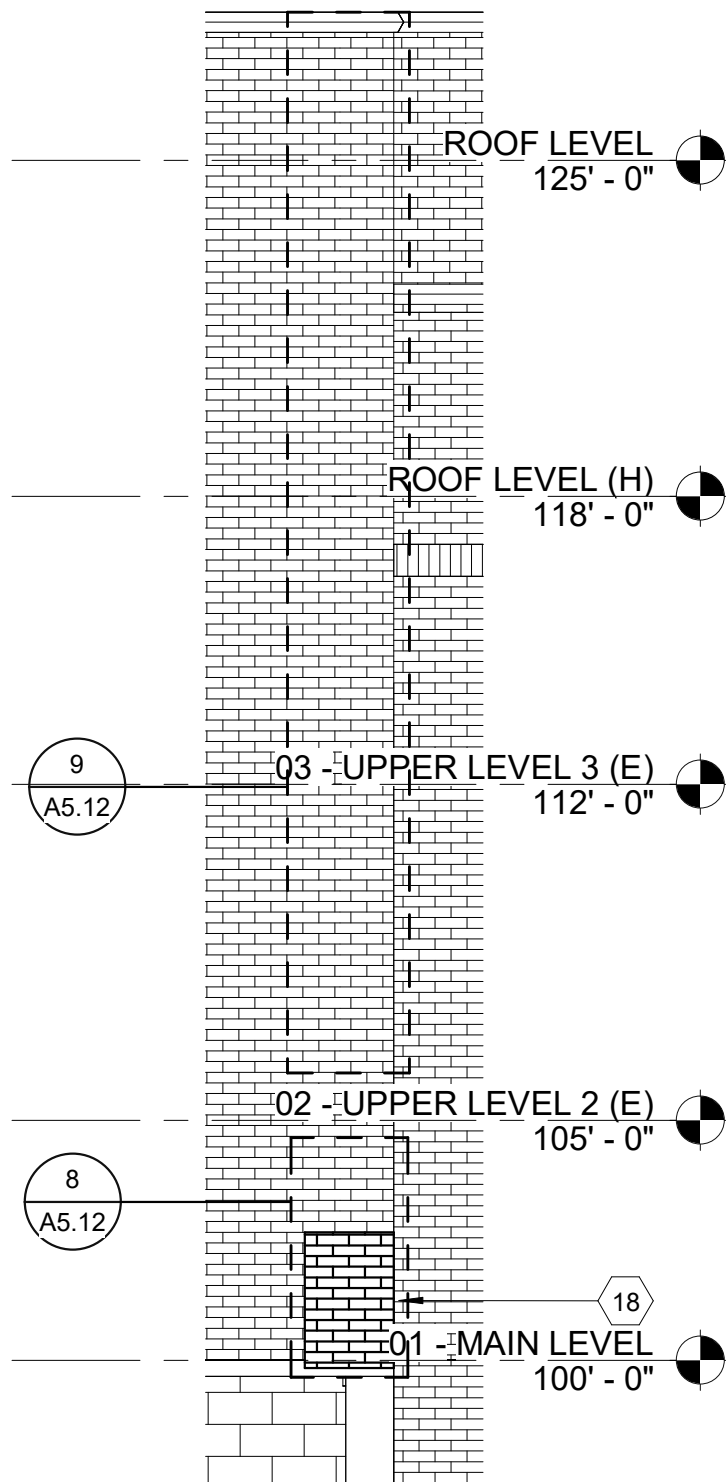
2 TYP. LINTEL DETAIL @ BRICK RENOVATION  
SCALE: 3" = 1'-0"



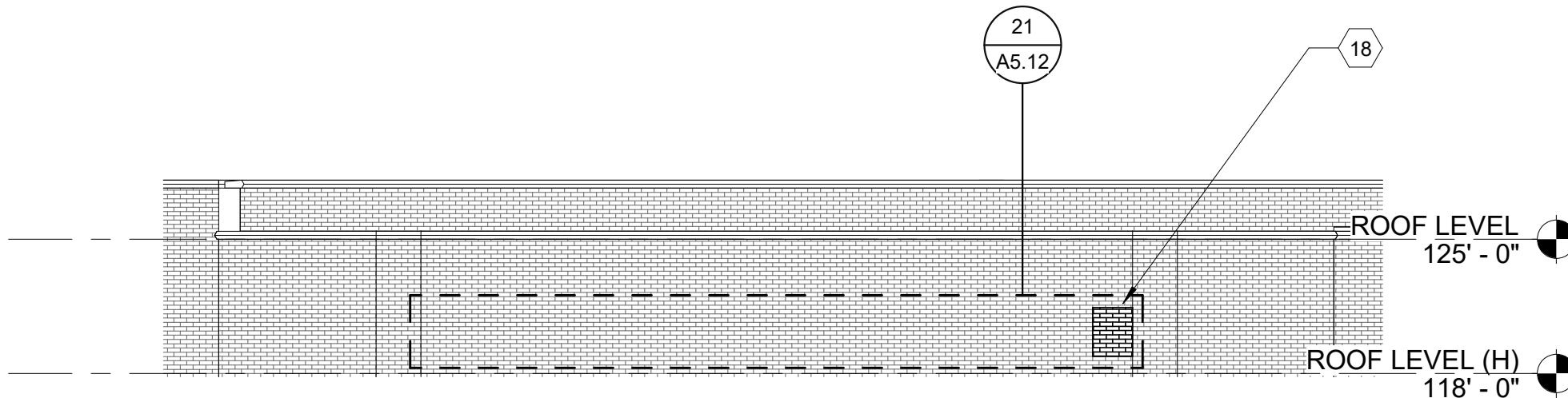
3 TYP. LINTEL DETAIL @ STONE HEADER RENOVATION  
SCALE: 3" = 1'-0"



4 RENOVATION - VERTICAL EXPANSION JOINT  
SCALE: 3" = 1'-0"



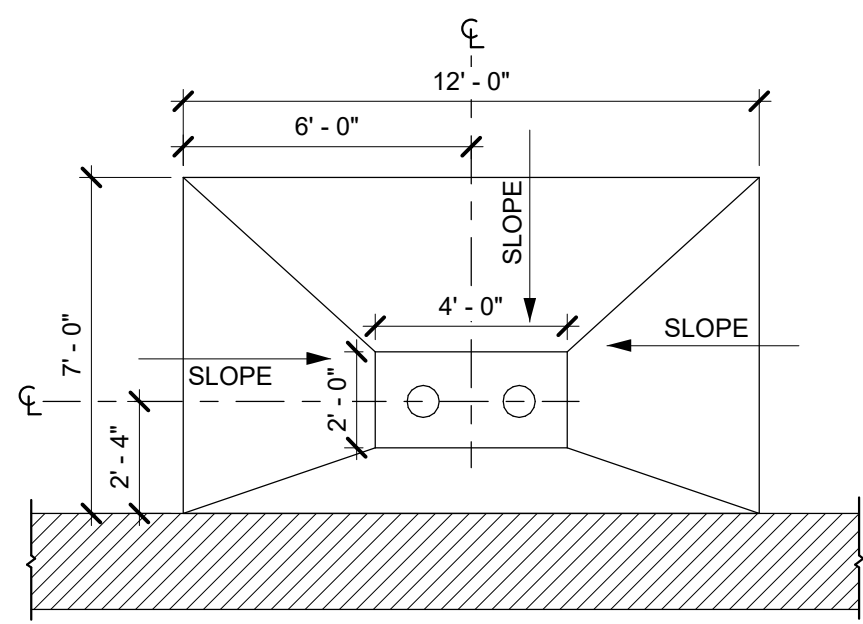
6 EXPLORATORY DEMO DETAIL - EAST ELEVATION  
SCALE: 1/4\"/>



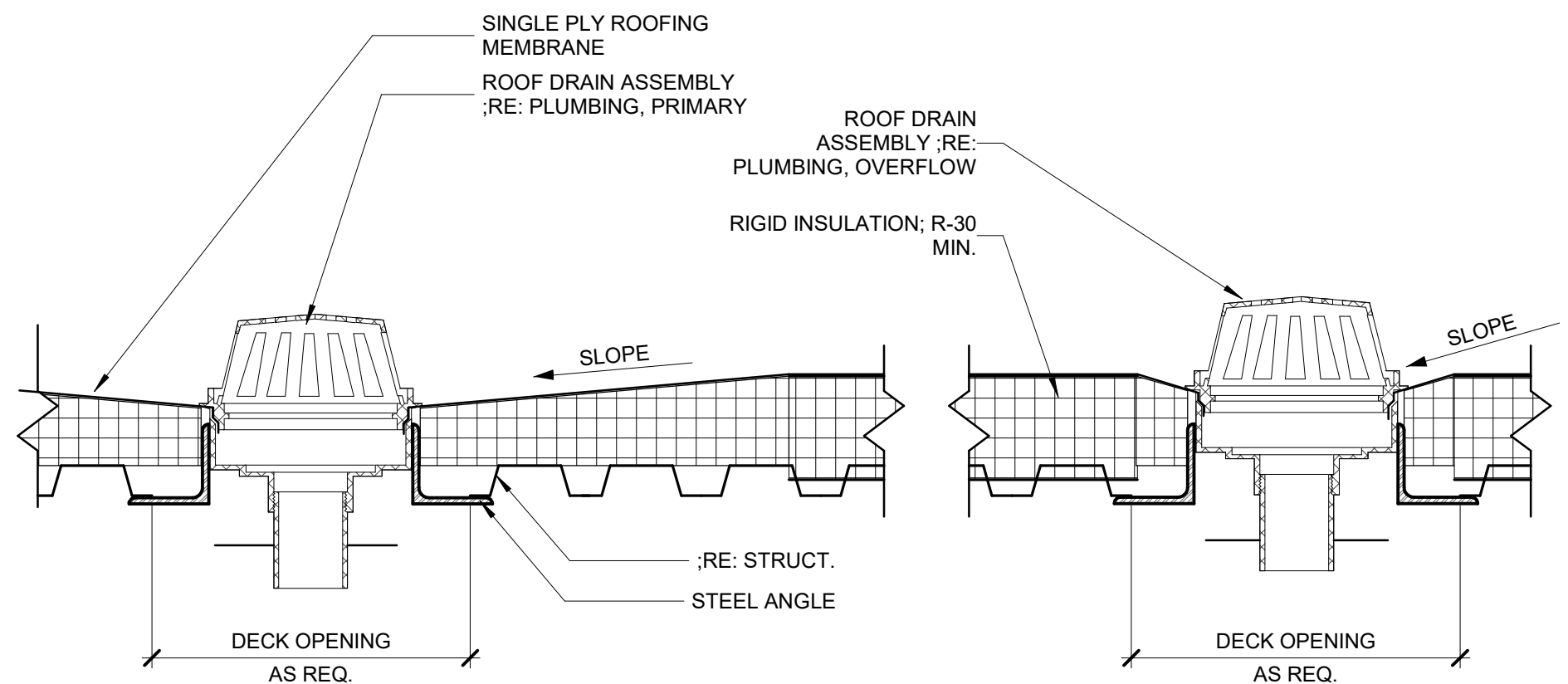
7 EXPLORATORY DEMO DETAIL - WEST GYM WALL  
SCALE: 1/8\"/>

RELOCATED CANOPY DETAIL

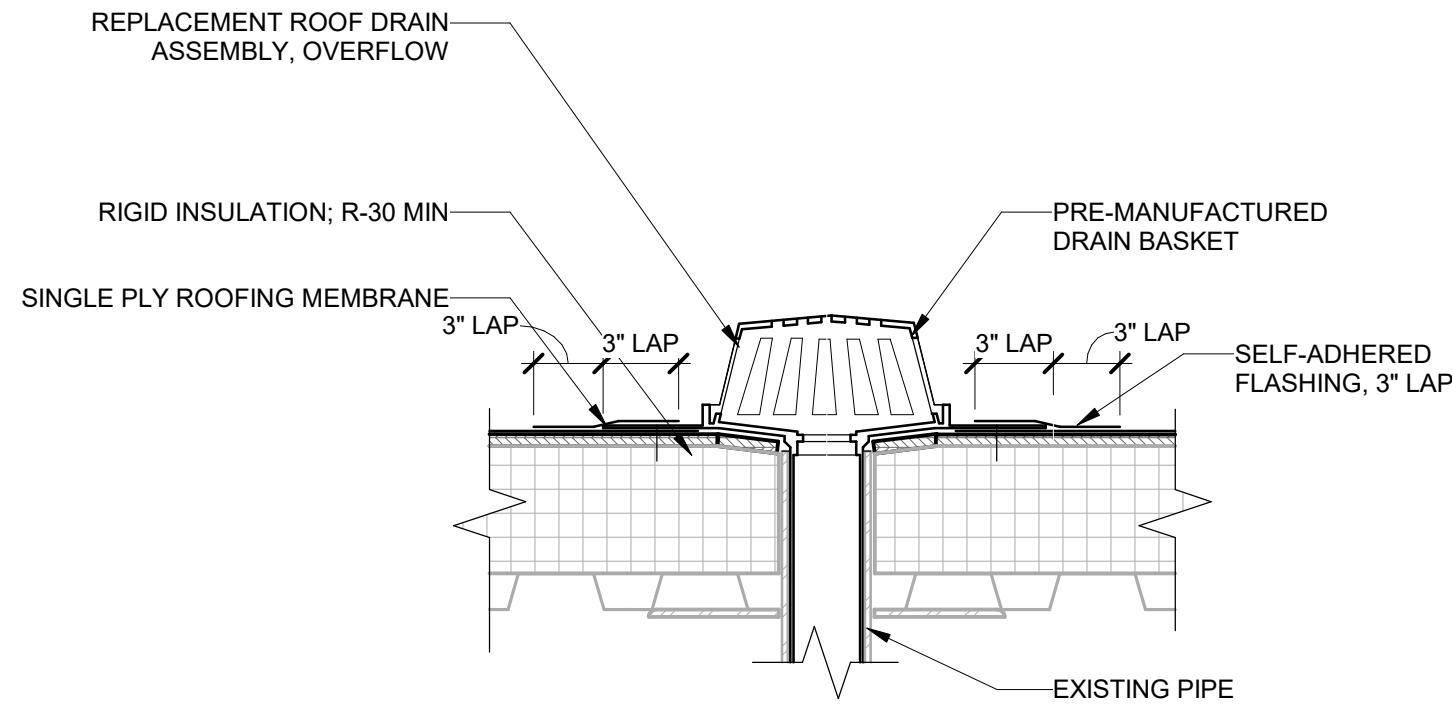




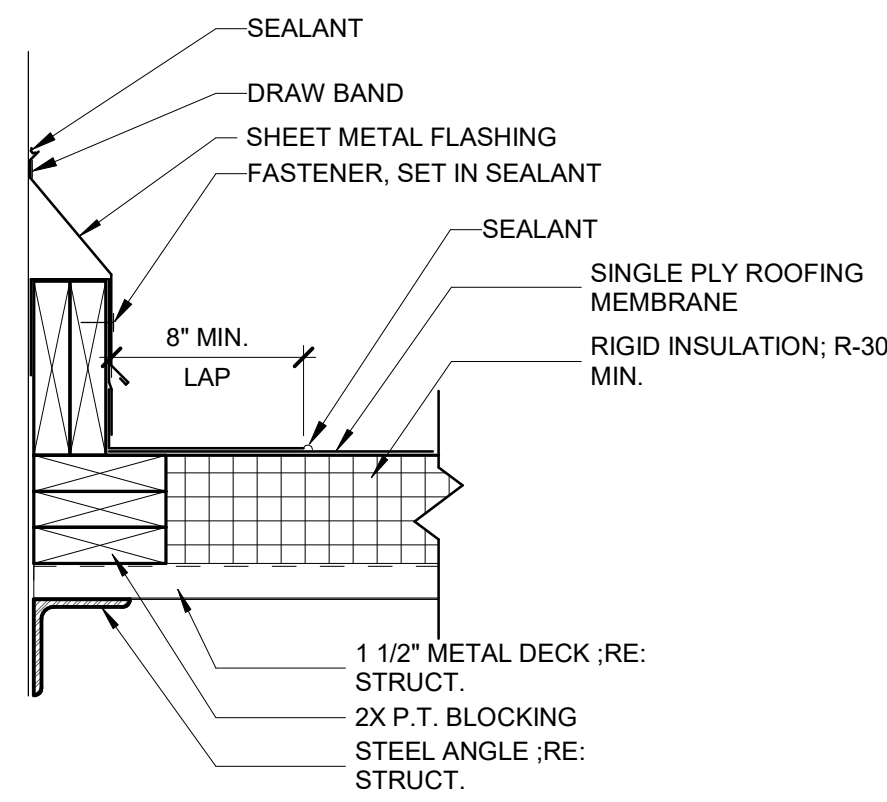
1 PLAN-TYPICAL ROOF DRAIN SUMP  
SCALE: 1/4" = 1'-0"



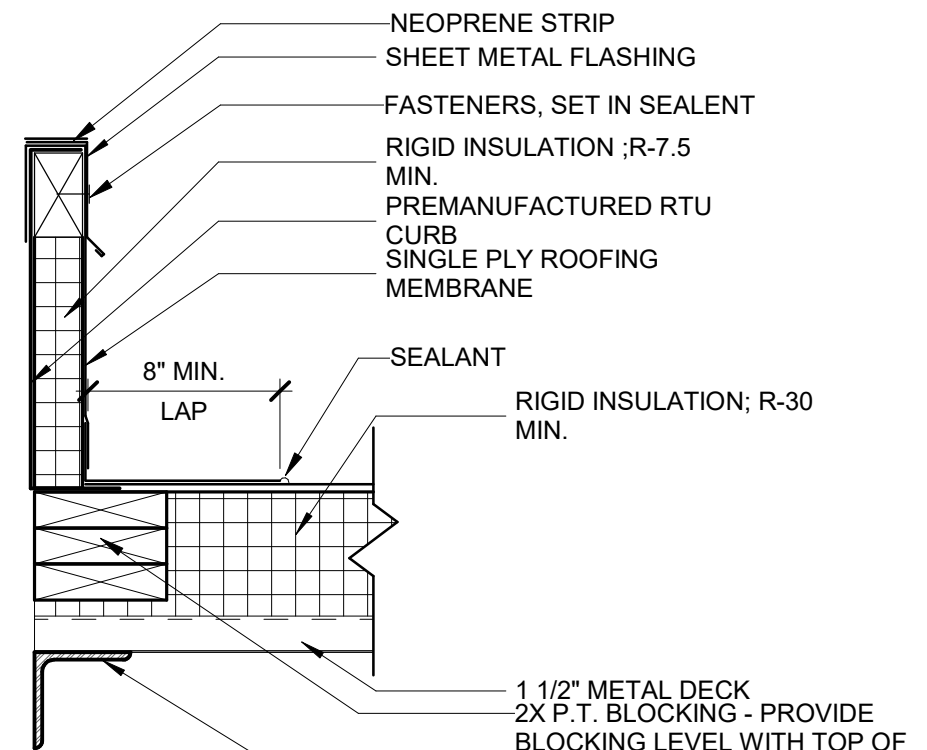
2 TYPICAL ROOF DRAIN W/ OVERFLOW DETAIL  
SCALE: 1 1/2" = 1'-0"



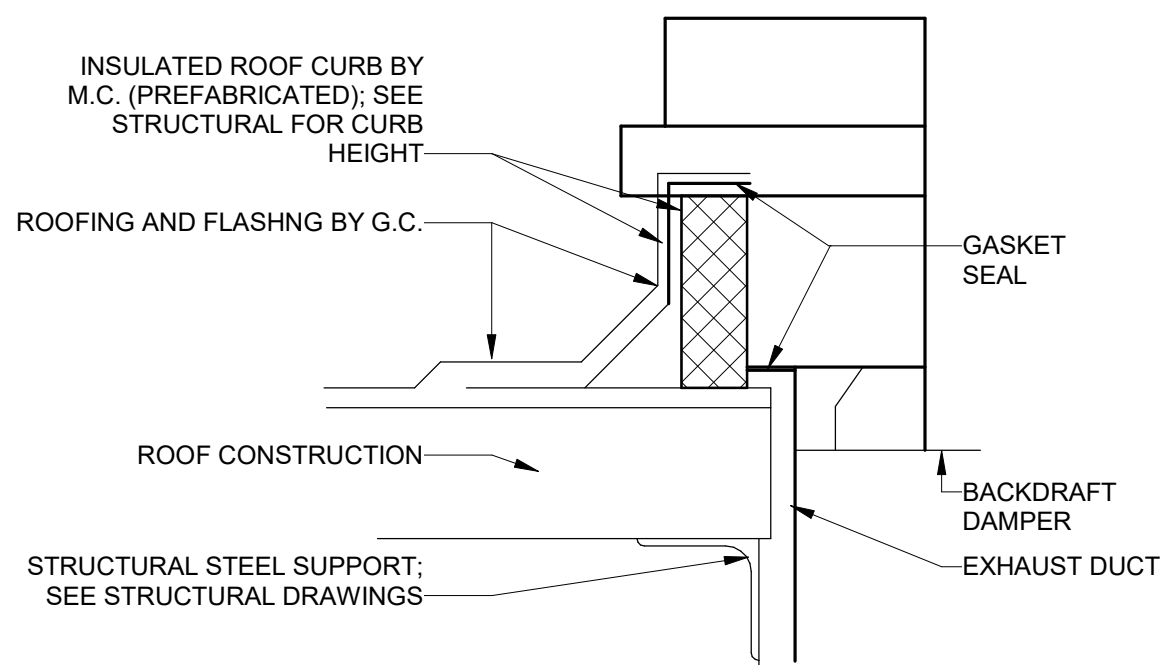
3 TYPICAL ROOF SUMP SECTION  
SCALE: 1 1/2" = 1'-0"



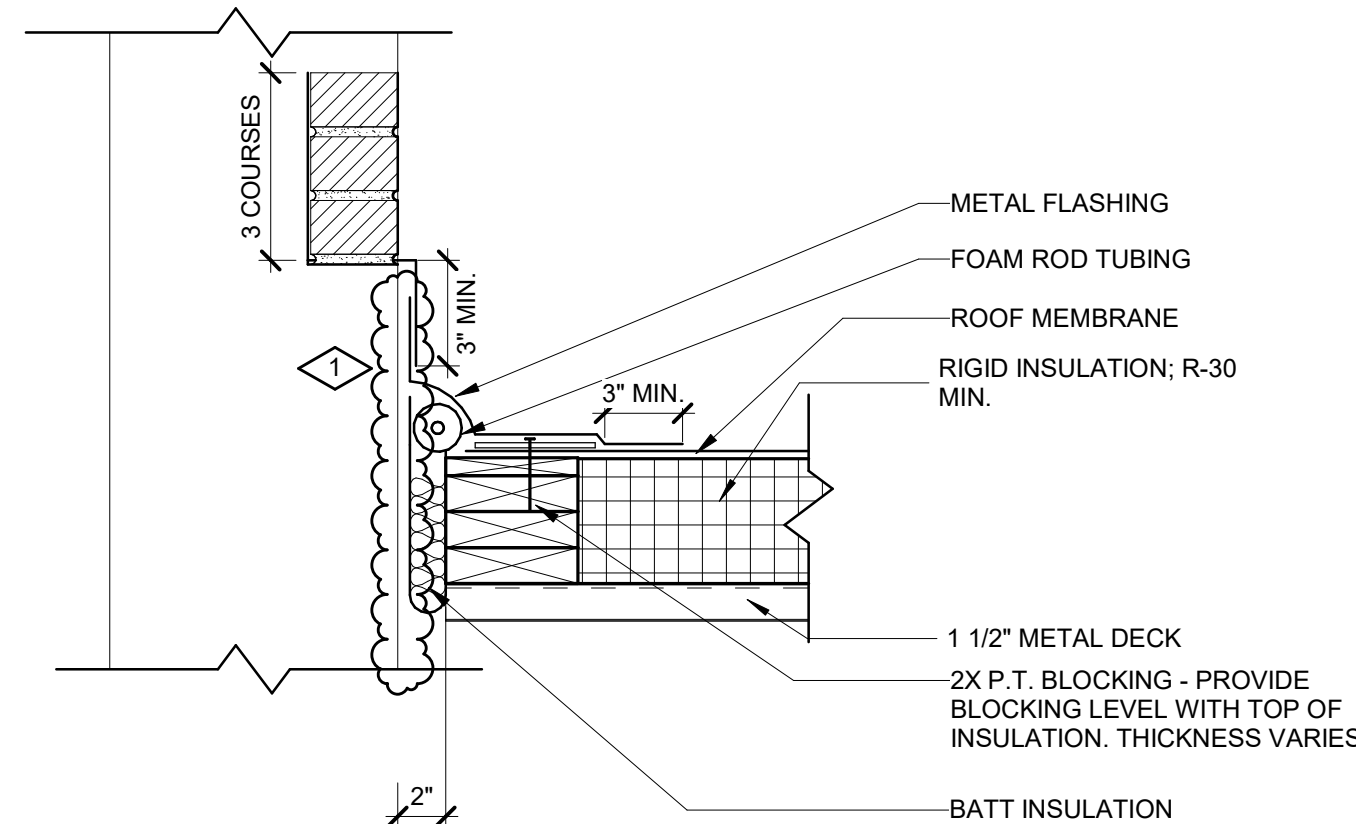
4 TYPICAL DUCT THROUGH ROOF  
SCALE: 1 1/2" = 1'-0"



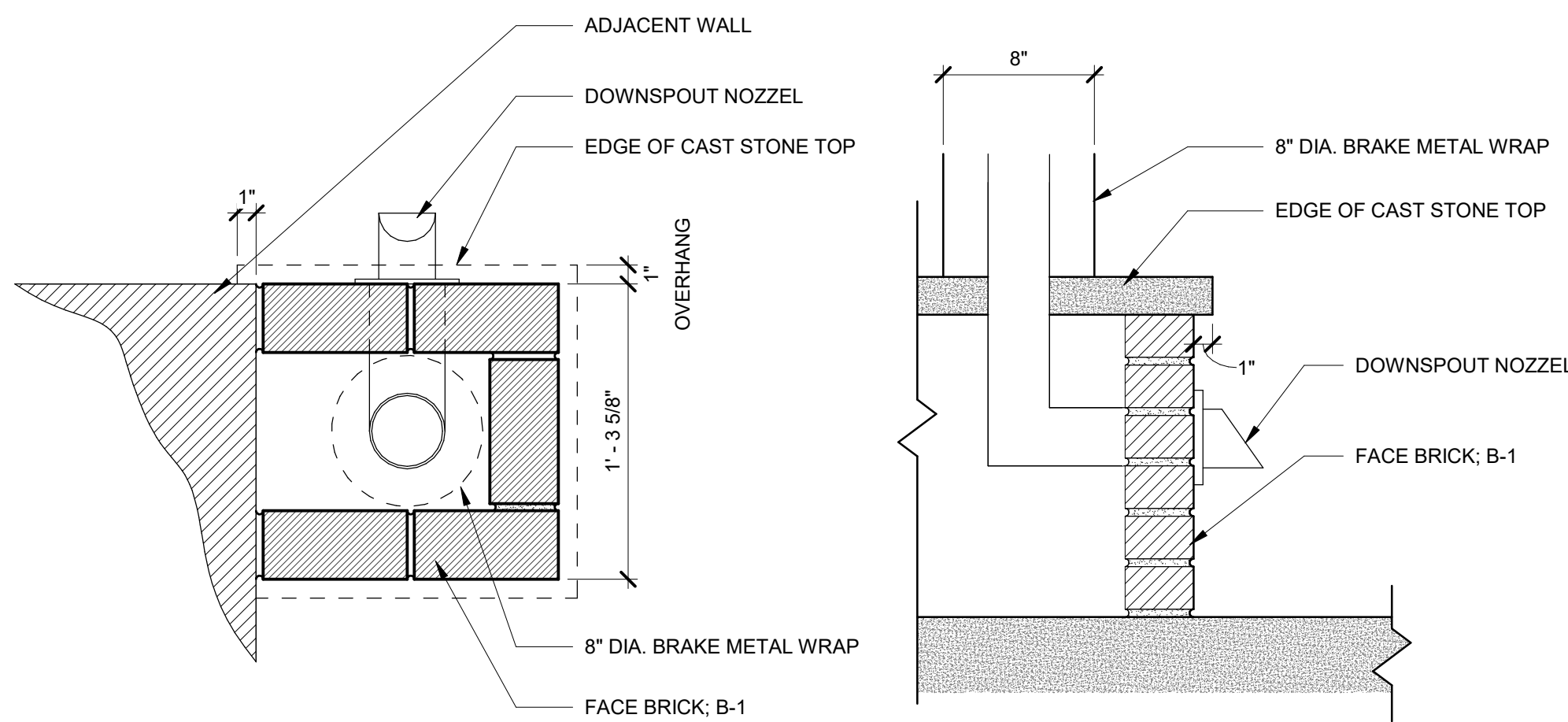
5 TYPICAL RTU CURB DETAIL  
SCALE: 1 1/2" = 1'-0"



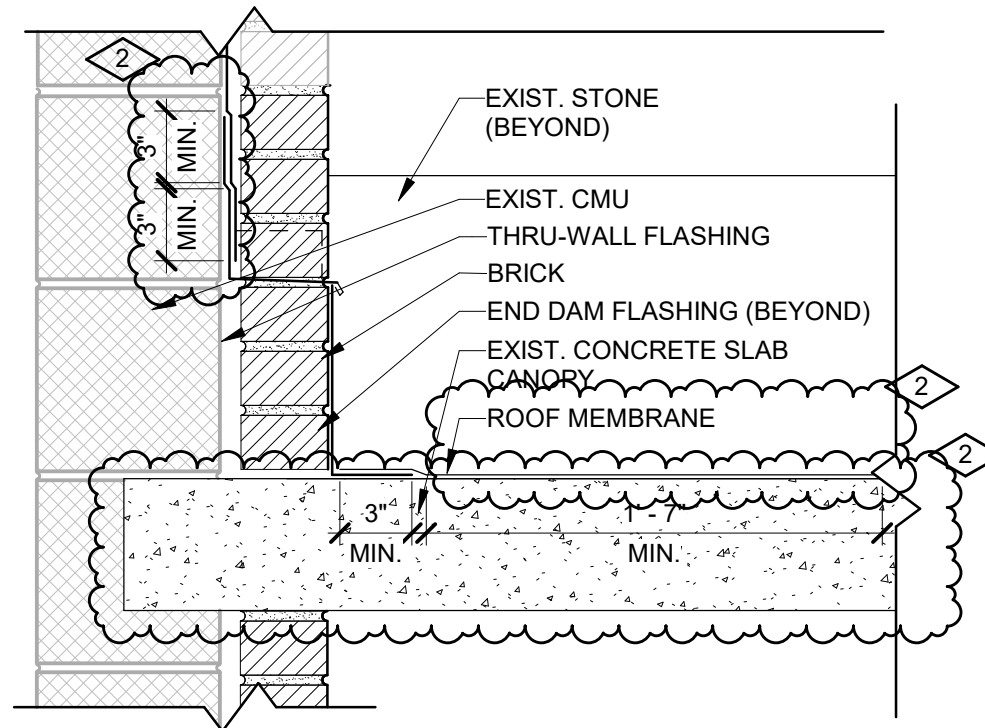
6 ROOF PENETRATION DETAIL  
SCALE: 3" = 1'-0"



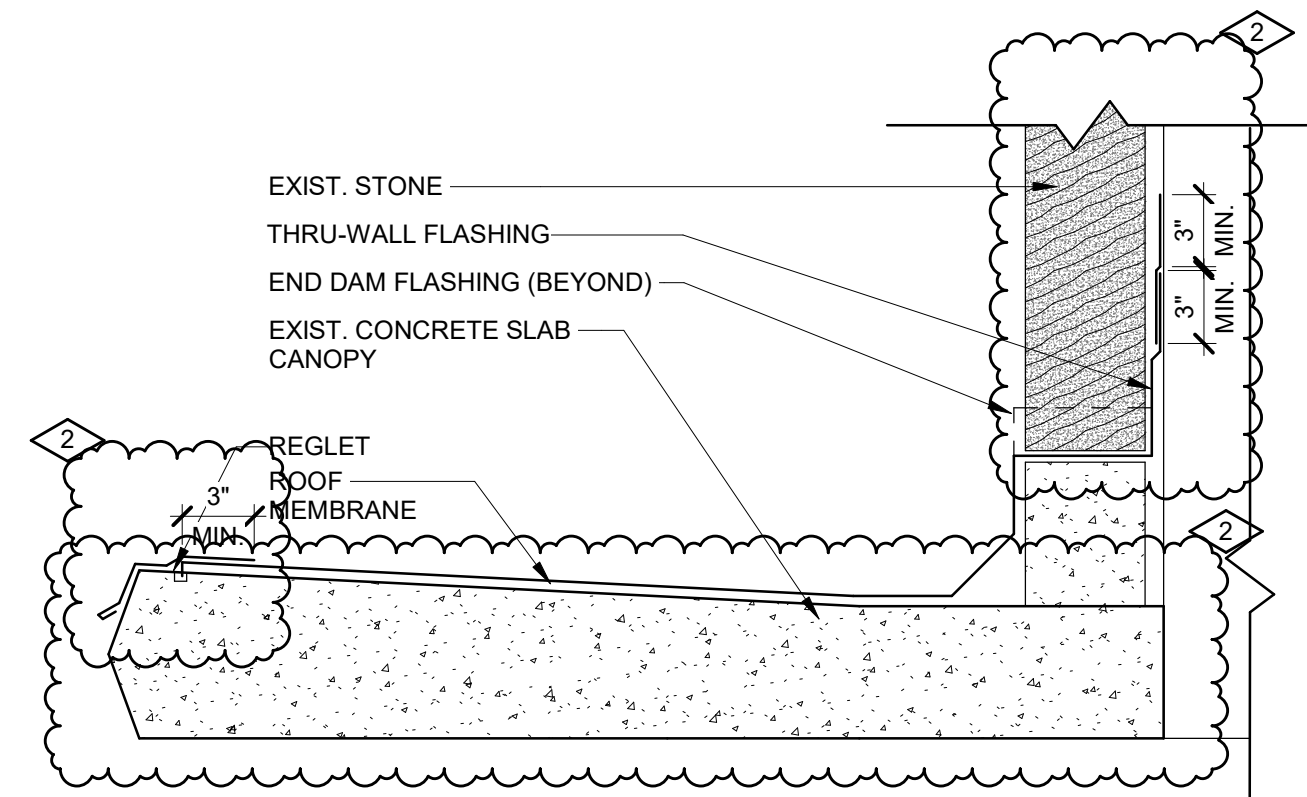
7 TYP. EXPANSION JOINT @ AREA B-AREA C  
SCALE: 1 1/2" = 1'-0"



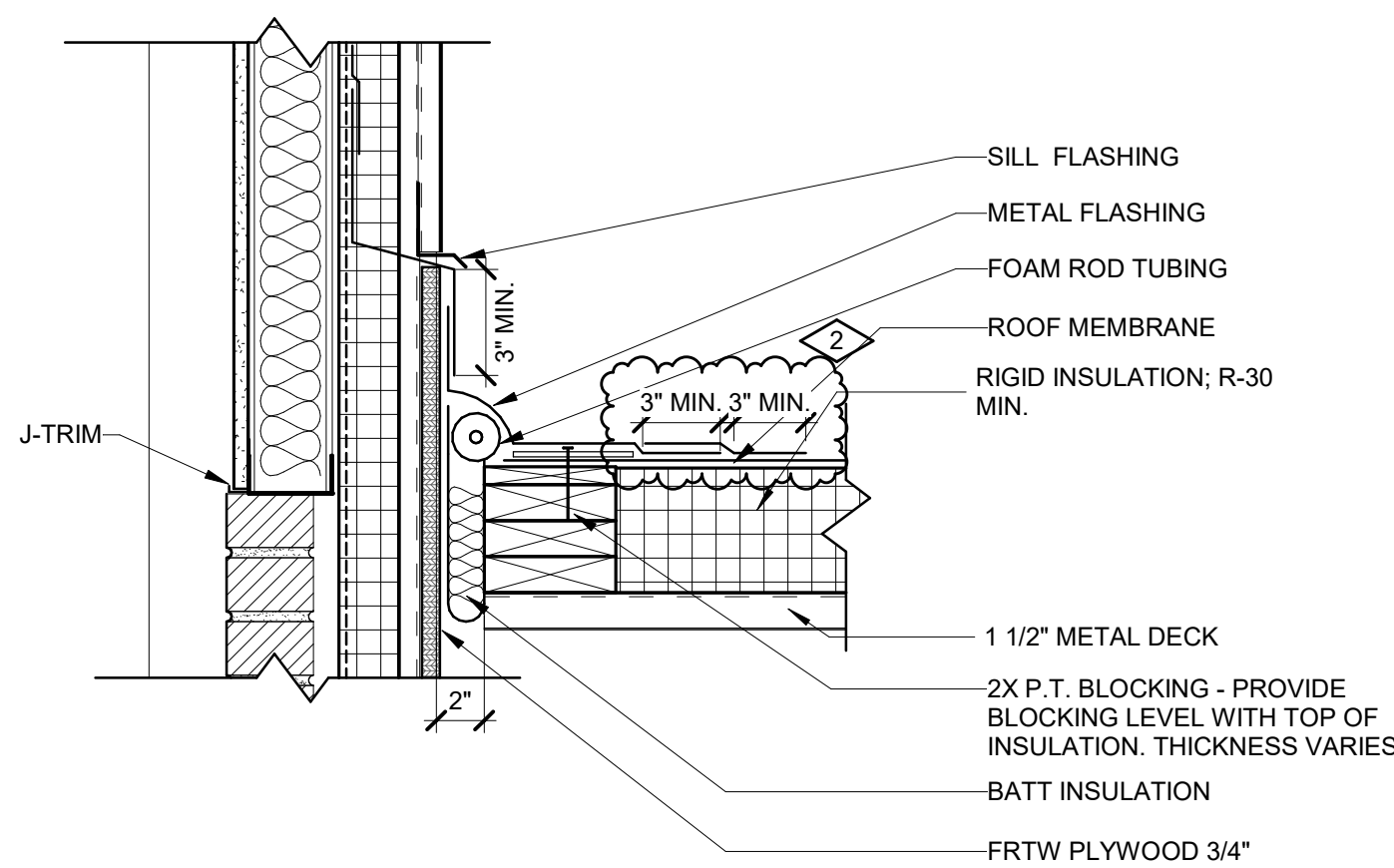
8 TYP. ROOF DRAIN DETAIL @ CANOPY  
SCALE: 1 1/2" = 1'-0"



9 FRONT SUGNET ENTRANCE CANOPY @ BRICK  
SCALE: 1 1/2" = 1'-0"



10 FRONT SUGNET ENTRANCE CANOPY @ STONE  
SCALE: 1 1/2" = 1'-0"



11 EXPANSION JOINT @ COOR. 301 TO NEW ROOF  
SCALE: 1 1/2" = 1'-0"

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE

WTAARCH.COM

**WTA ARCHITECTS**

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

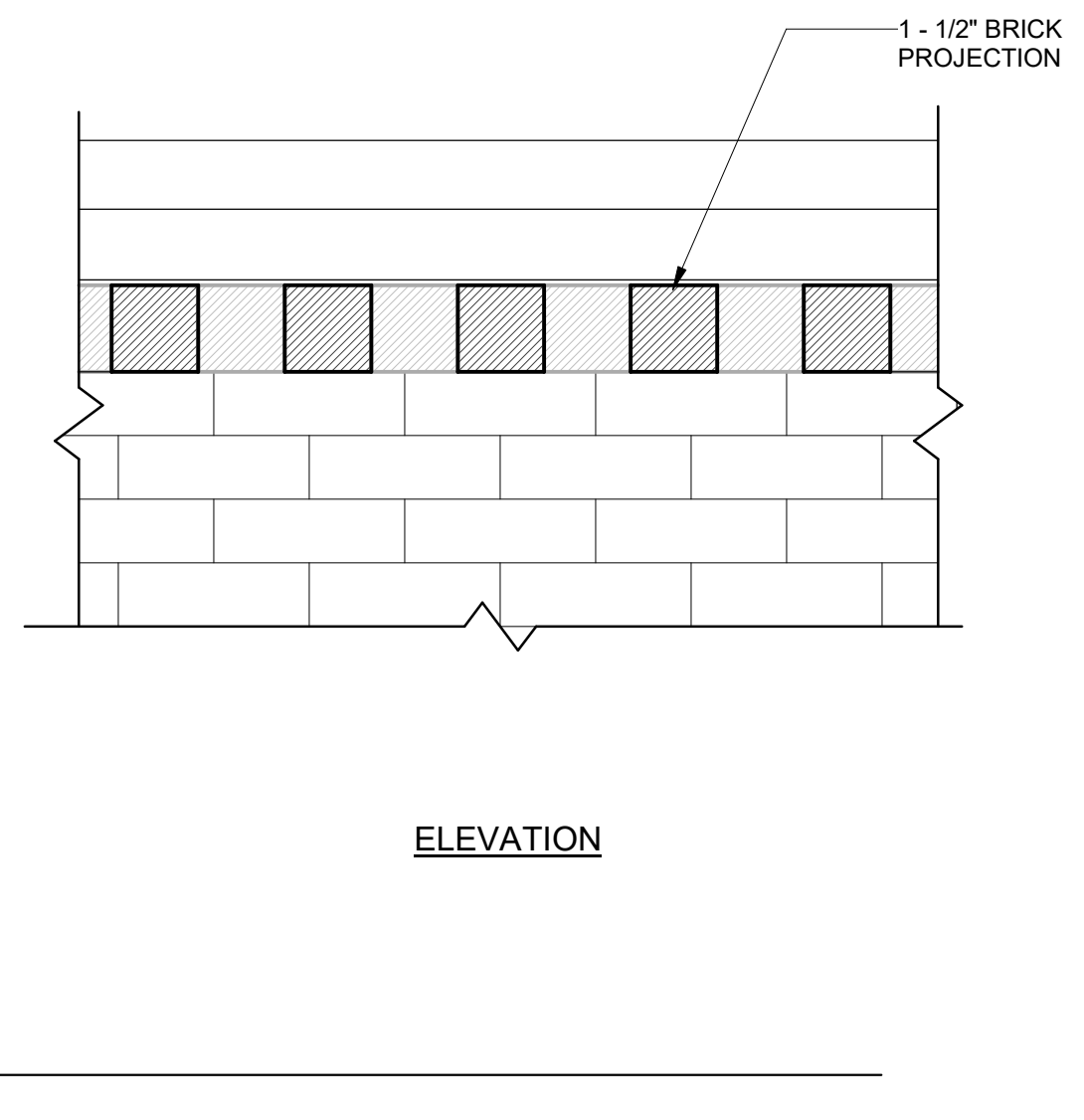
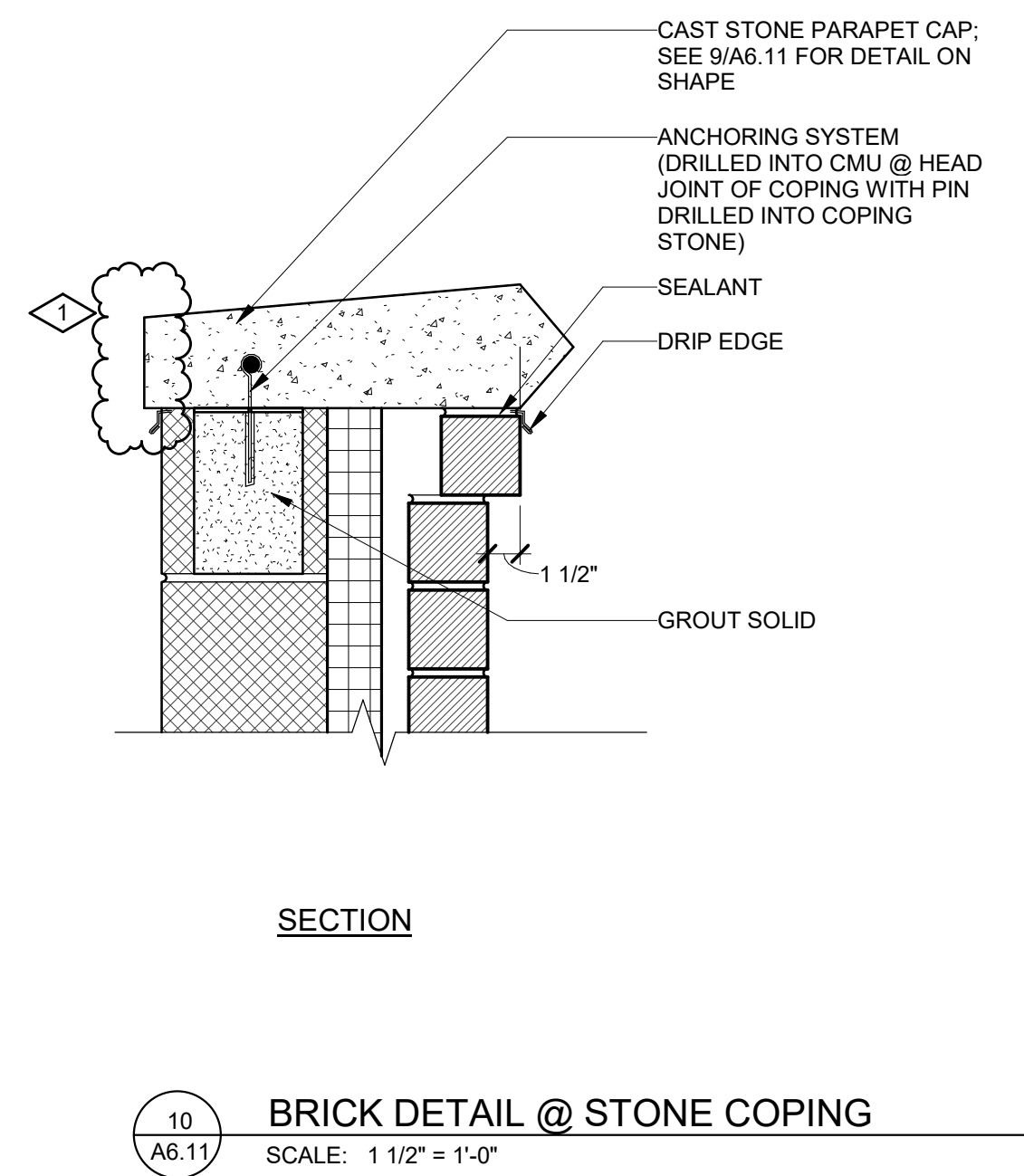
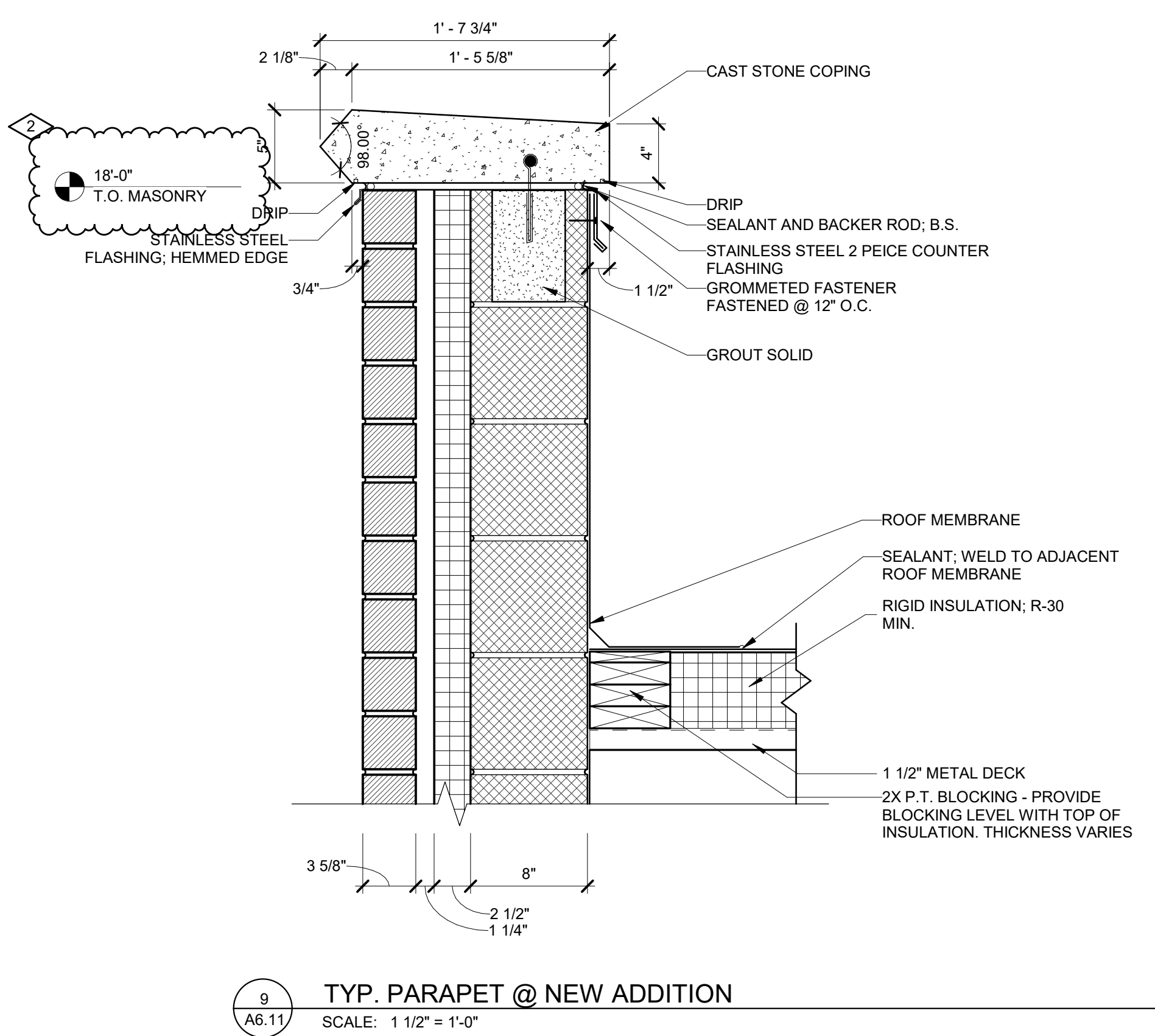
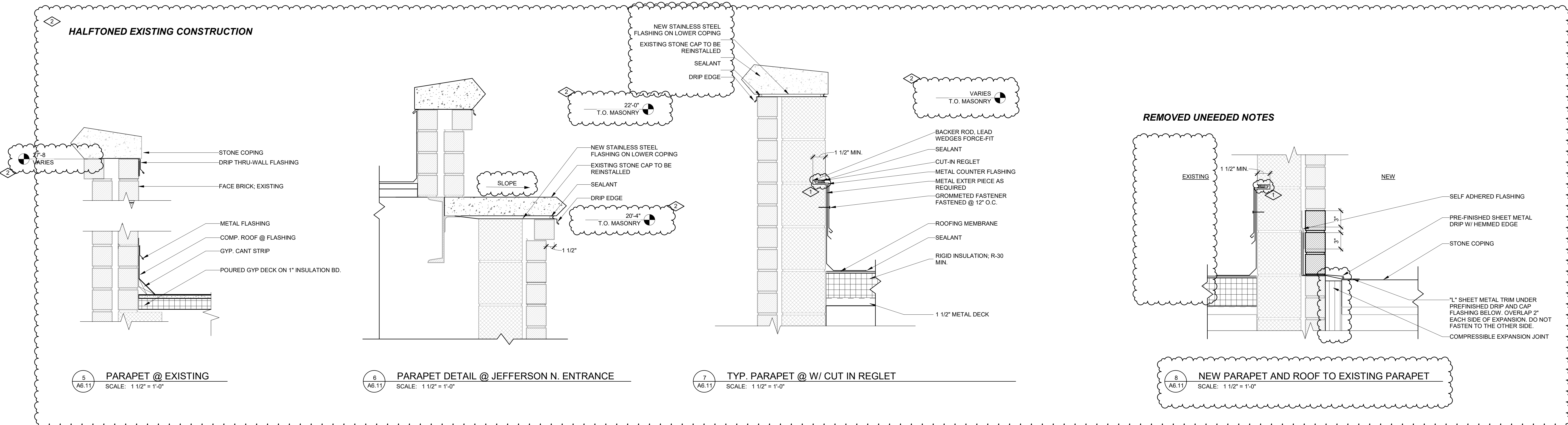
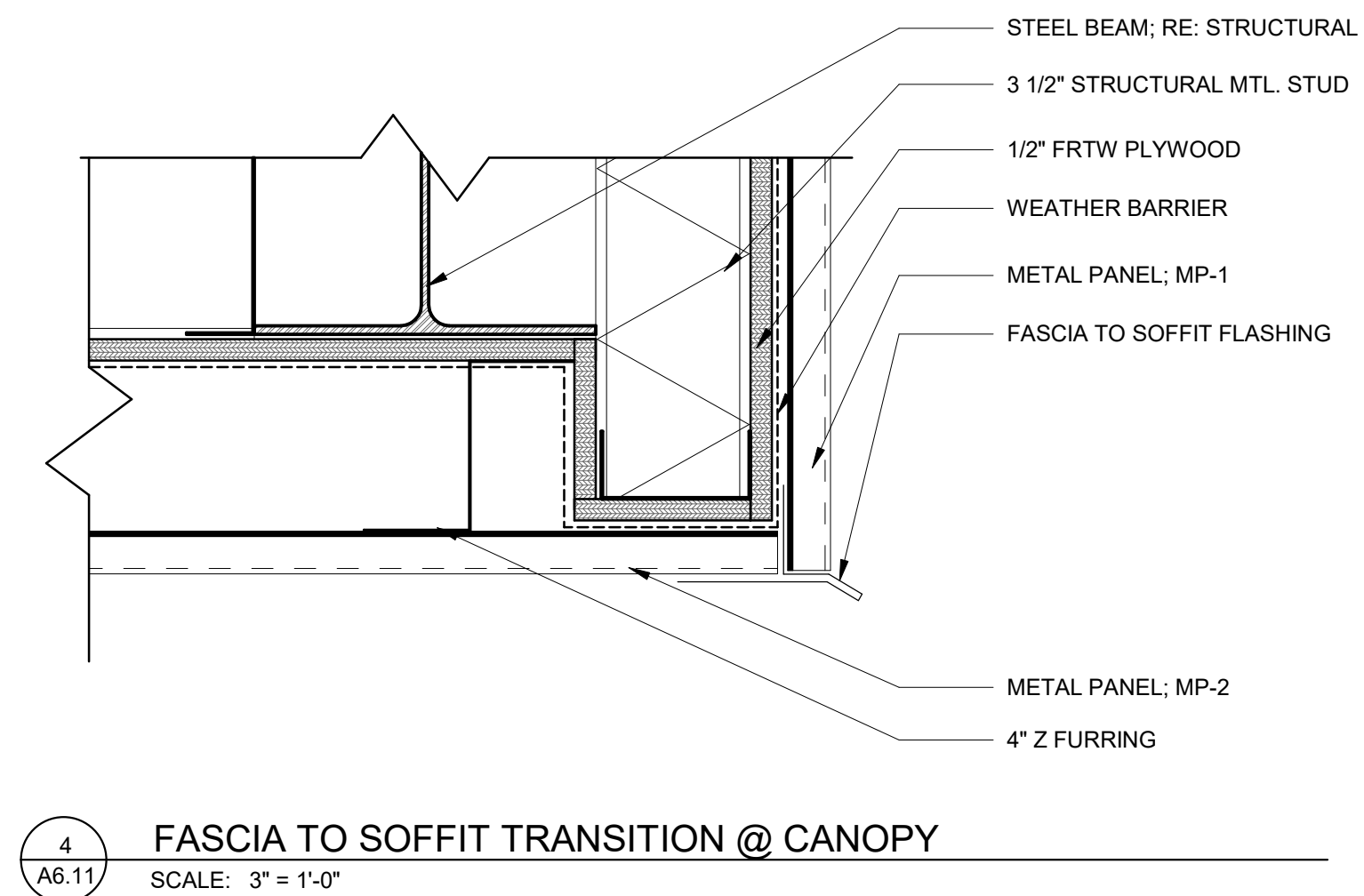
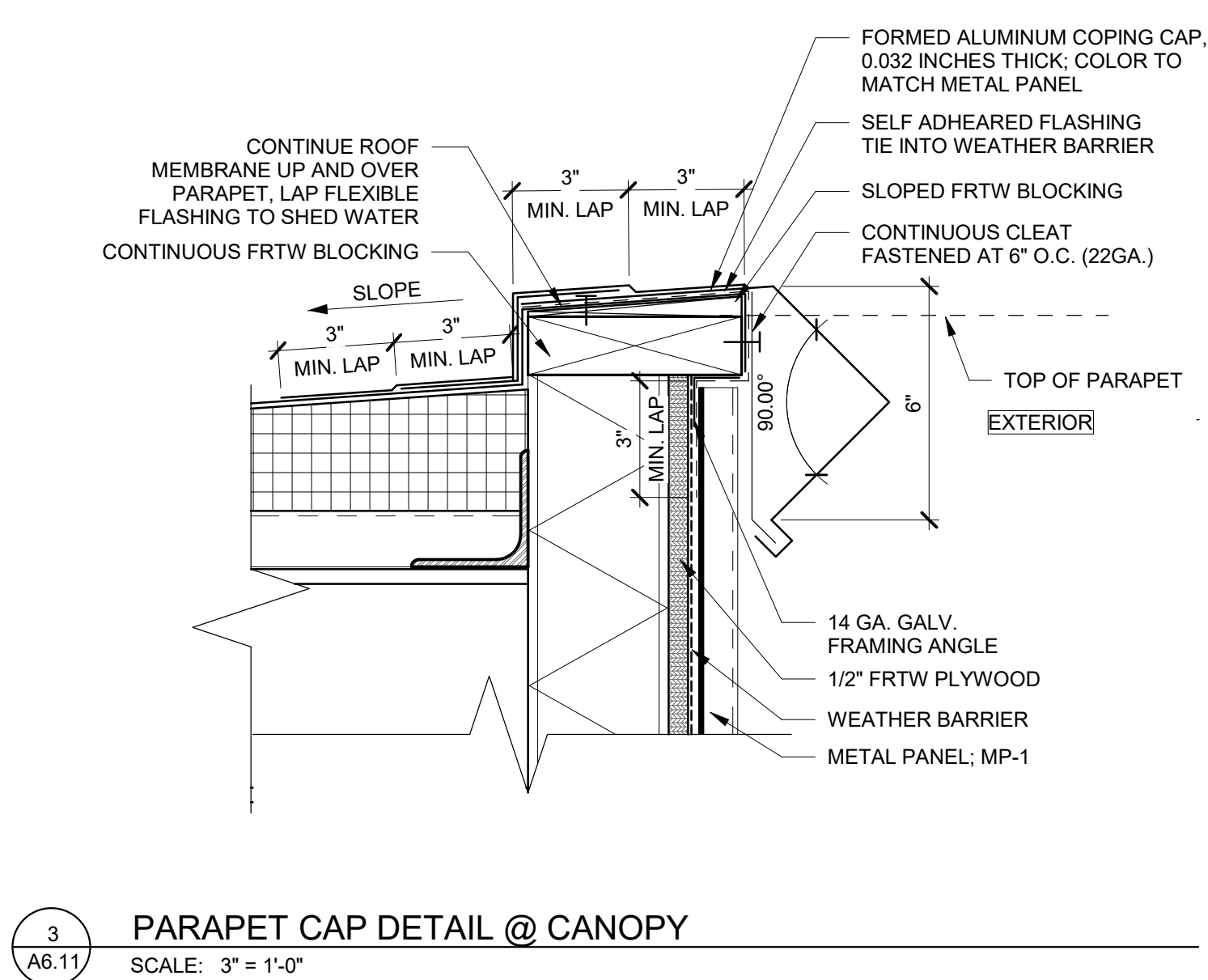
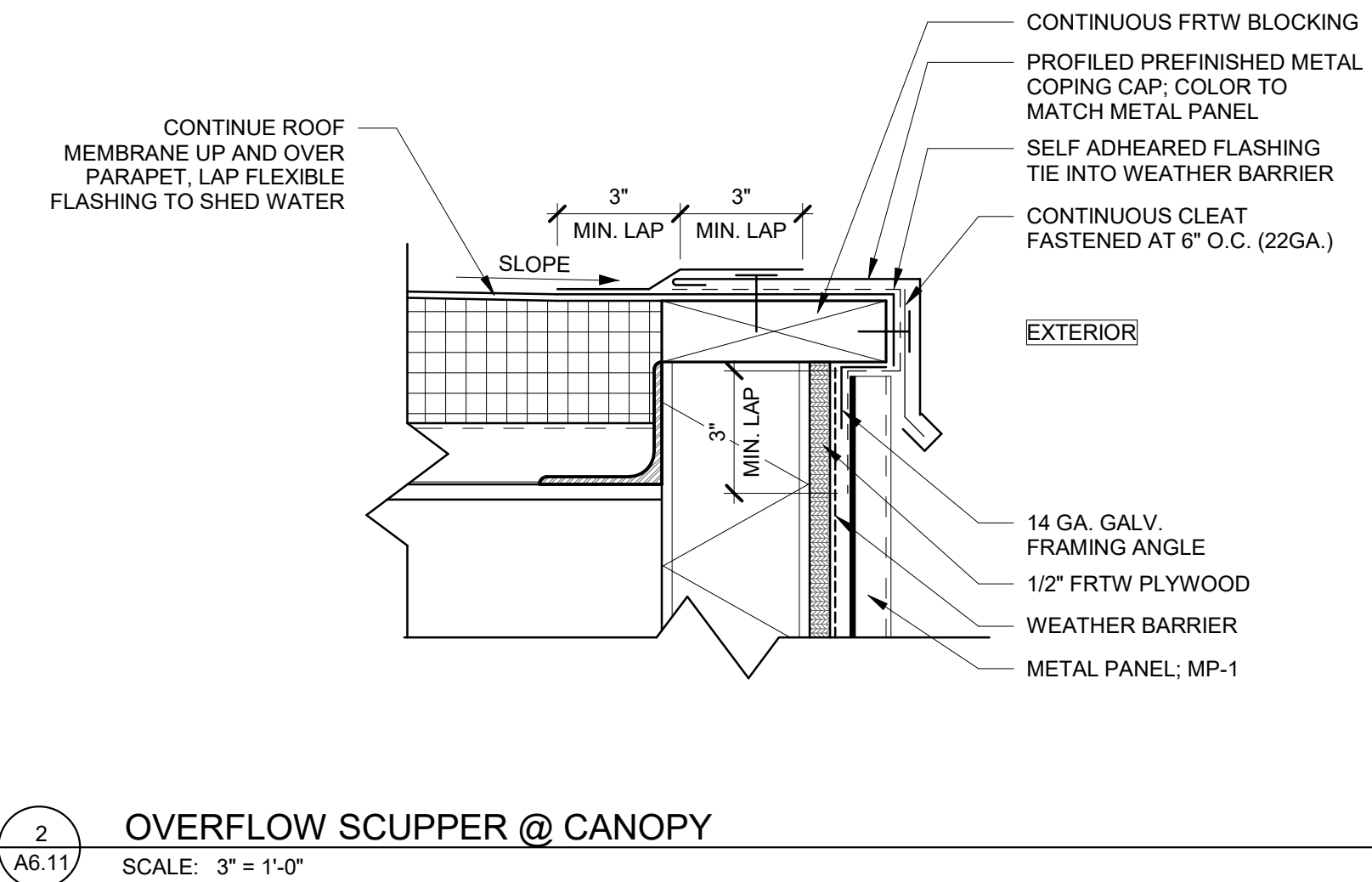
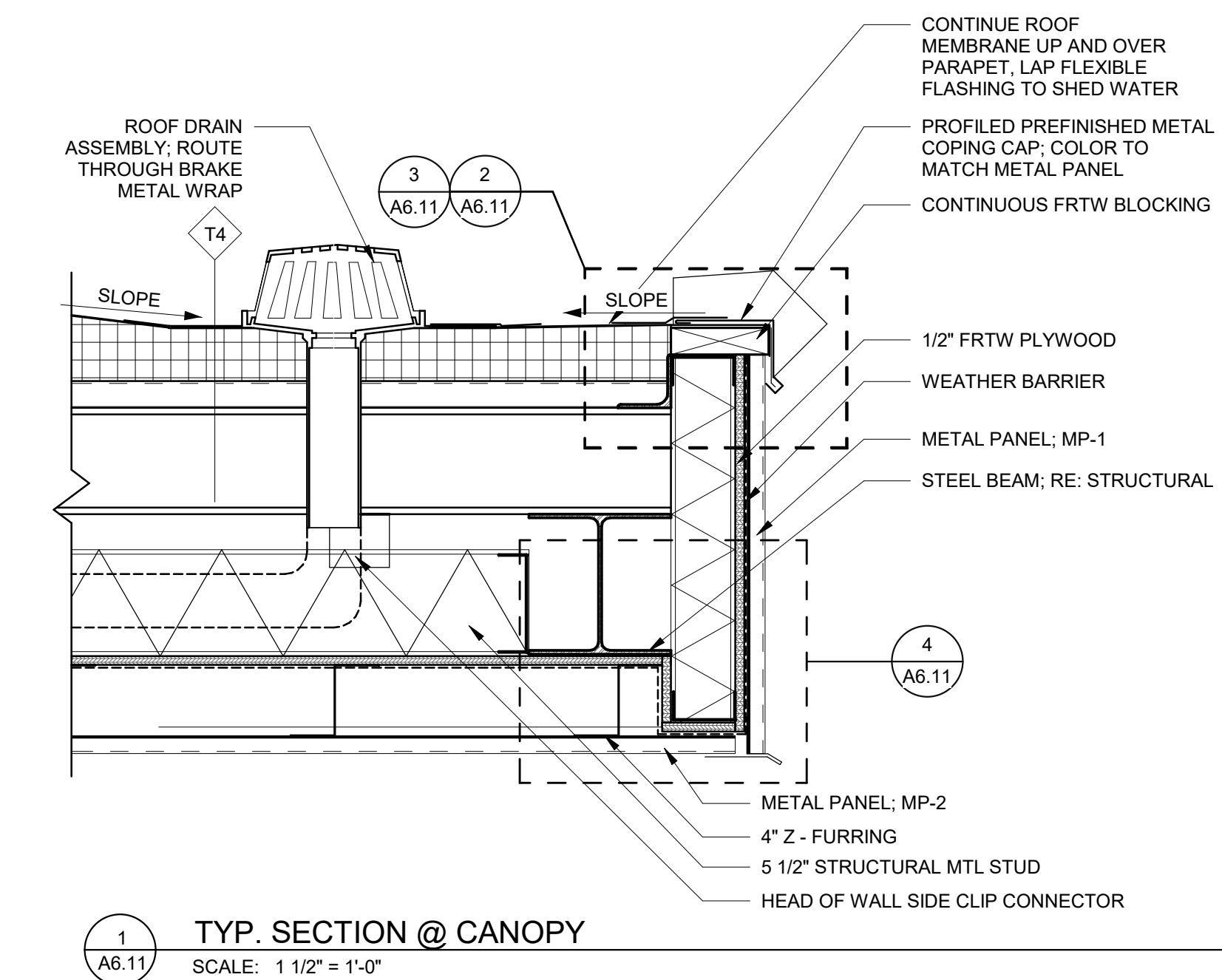
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

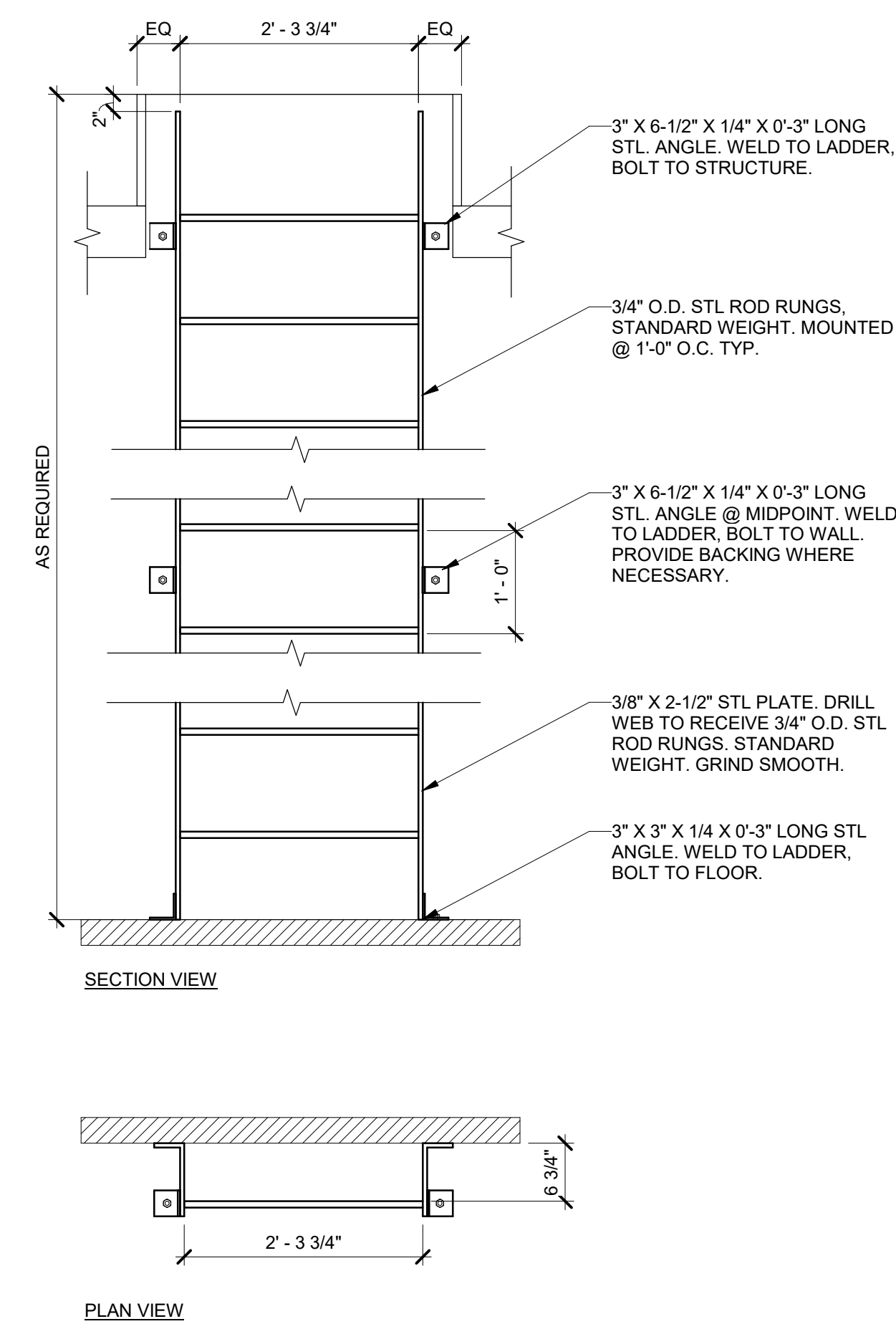
MIDLAND, MICHIGAN

SHEET TITLE  
ROOF DETAILS

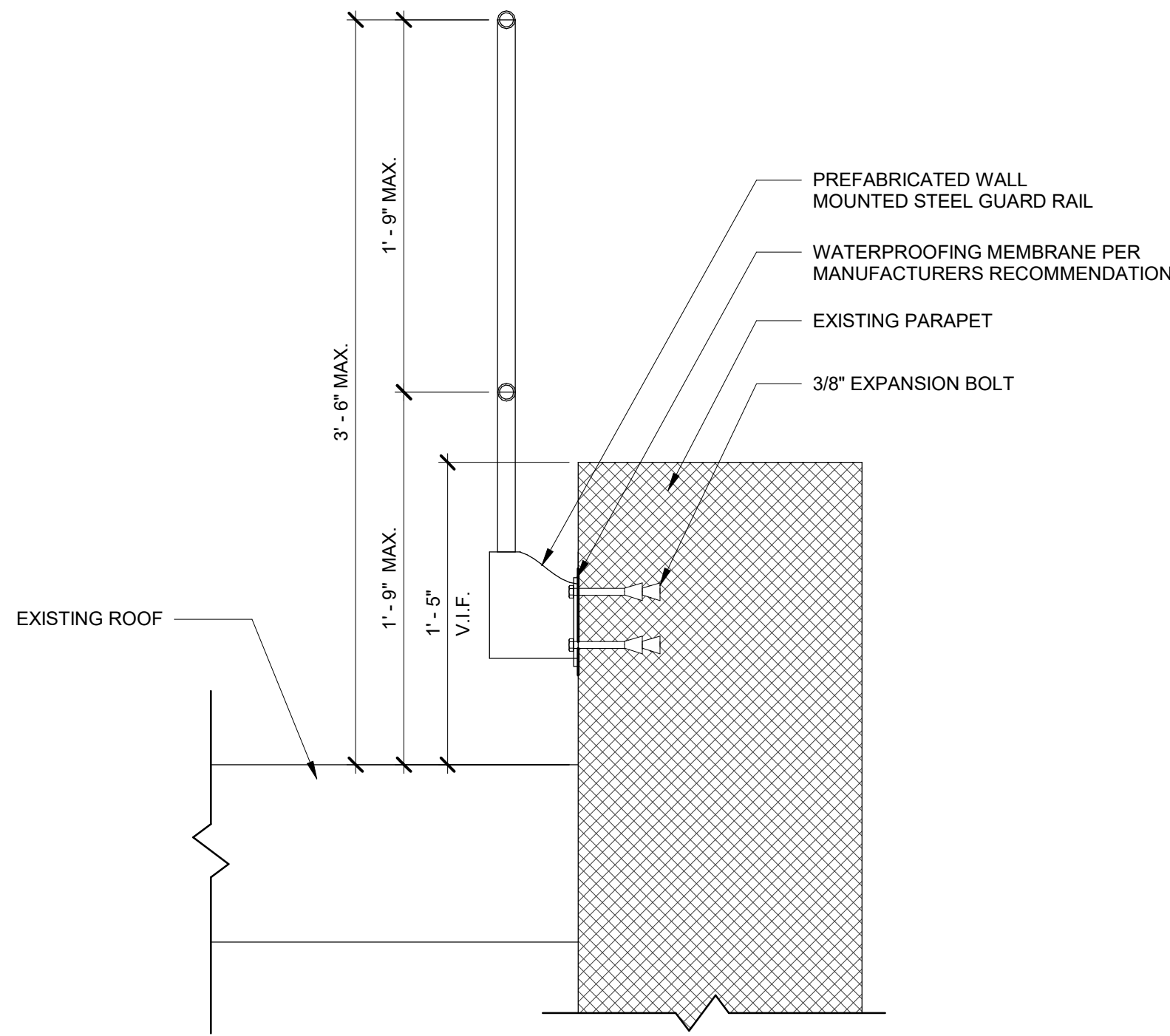
PROJECT NUMBER 2022006.1	SHEET NUMBER A6.10
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JMJ	



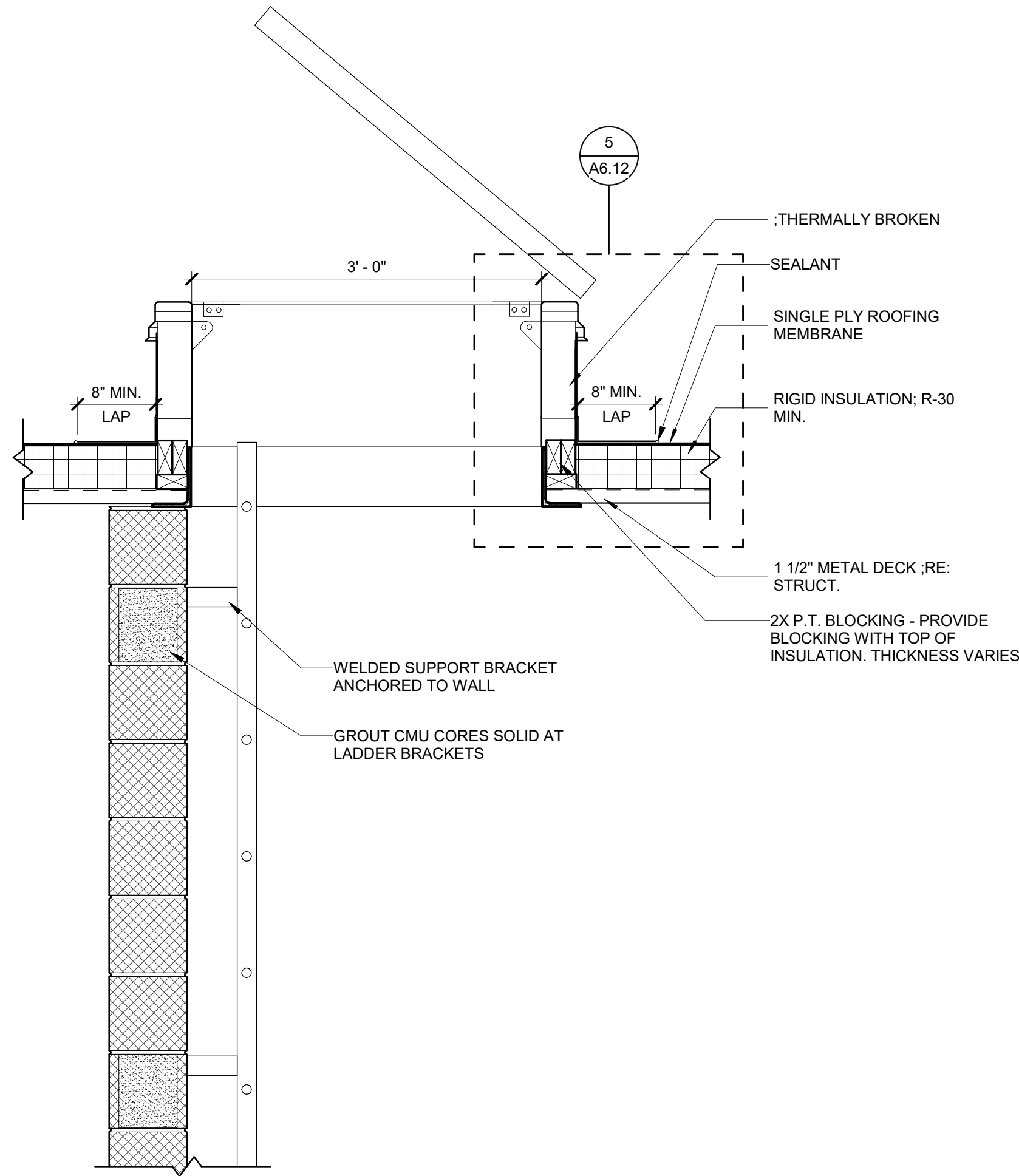
2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE
<div><div><div><div></div><div></div><div></div></div><div>WTA ARCHITECTS</div><div>100 S Jefferson Ave, Suite 601 Saginaw, Michigan 48607 989 752 8107</div></div><div><div>WTAAARCH.COM</div><div>COPYRIGHT © 2023</div></div></div>		
<div><div>PROJECT TITLE</div><div>RENOVATION AND ADDITION:</div><div>MIDLAND COUNTY ESA</div></div>		
<div>MIDLAND, MICHIGAN</div>		
<div><div>SHEET TITLE</div><div>ROOF DETAILS</div></div>		
<div><div>PROJECT NUMBER</div><div>2022006.1</div></div>		<div>A6.11</div>
<div><div>PROJECT DATE</div><div>AUGUST 23, 2023</div></div>		
<div><div>CHECKED BY</div><div>JMJ</div></div>		



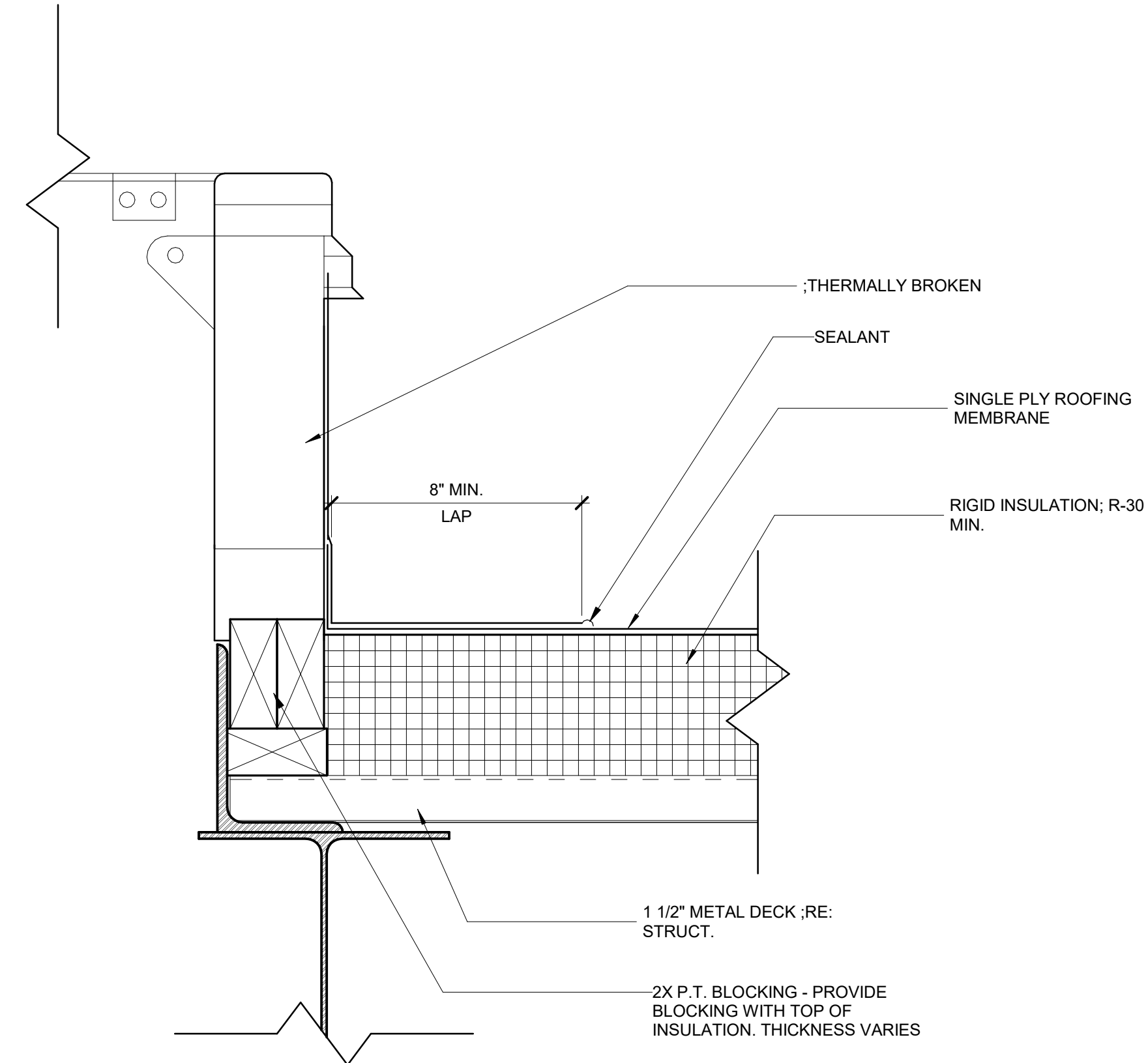
1 ROOF LADDER DETAIL  
SCALE: 3/4" = 1'-0"



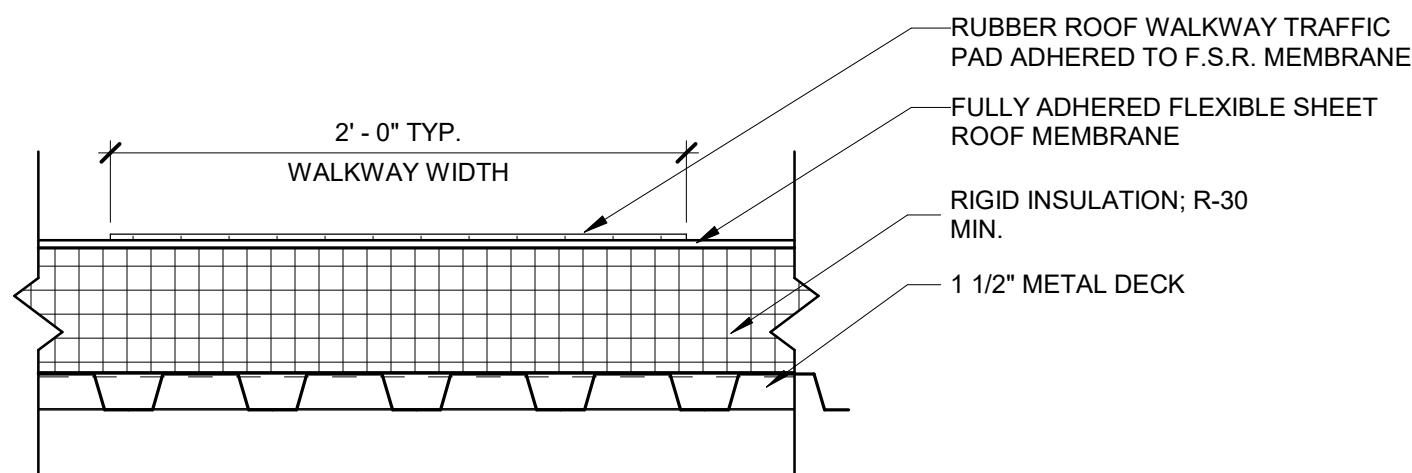
2 WALL MOUNTED EXTERIOR GUARDRAIL  
SCALE: 1 1/2" = 1'-0"



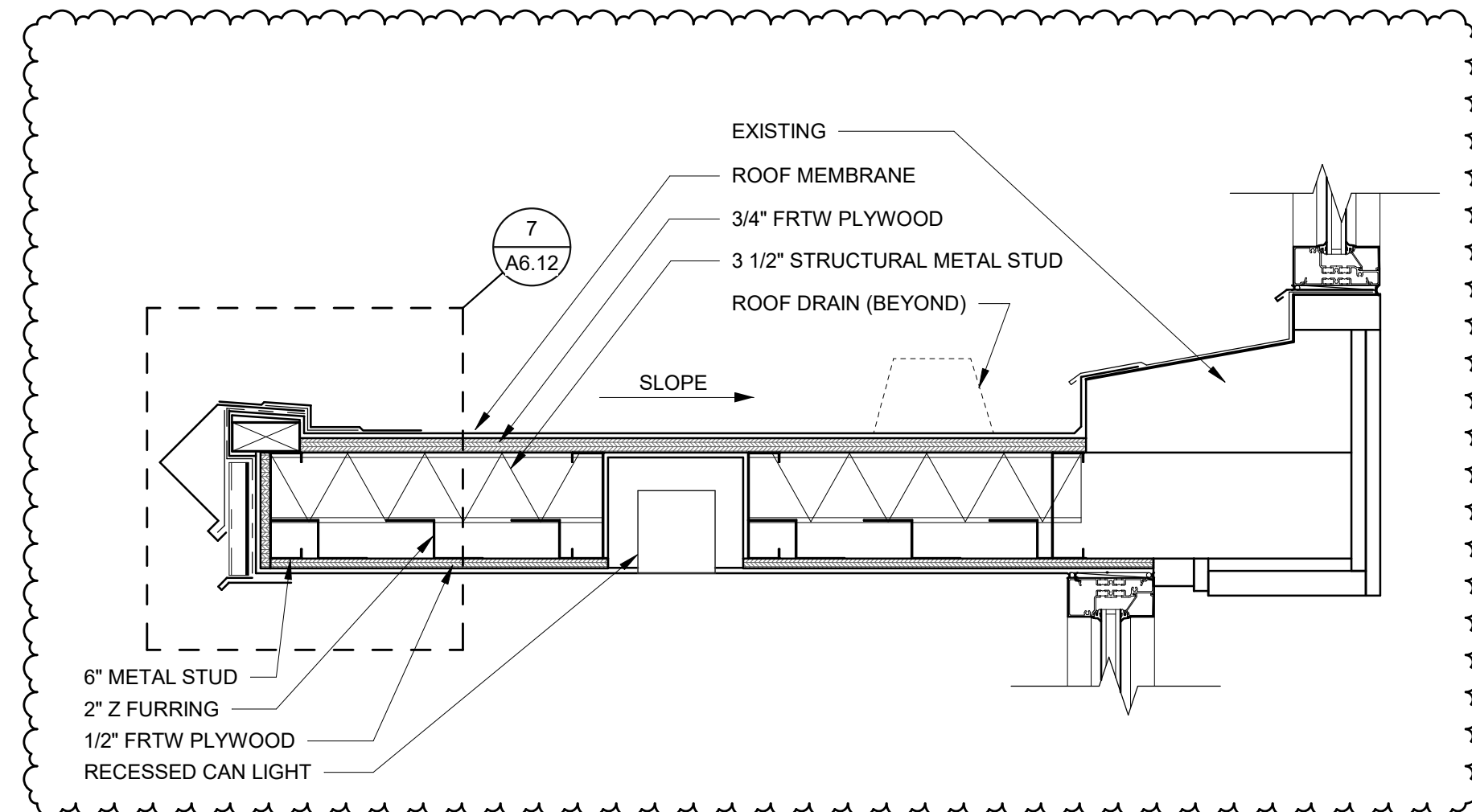
4 TYPICAL ROOF HATCH DETAIL  
SCALE: 1" = 1'-0"



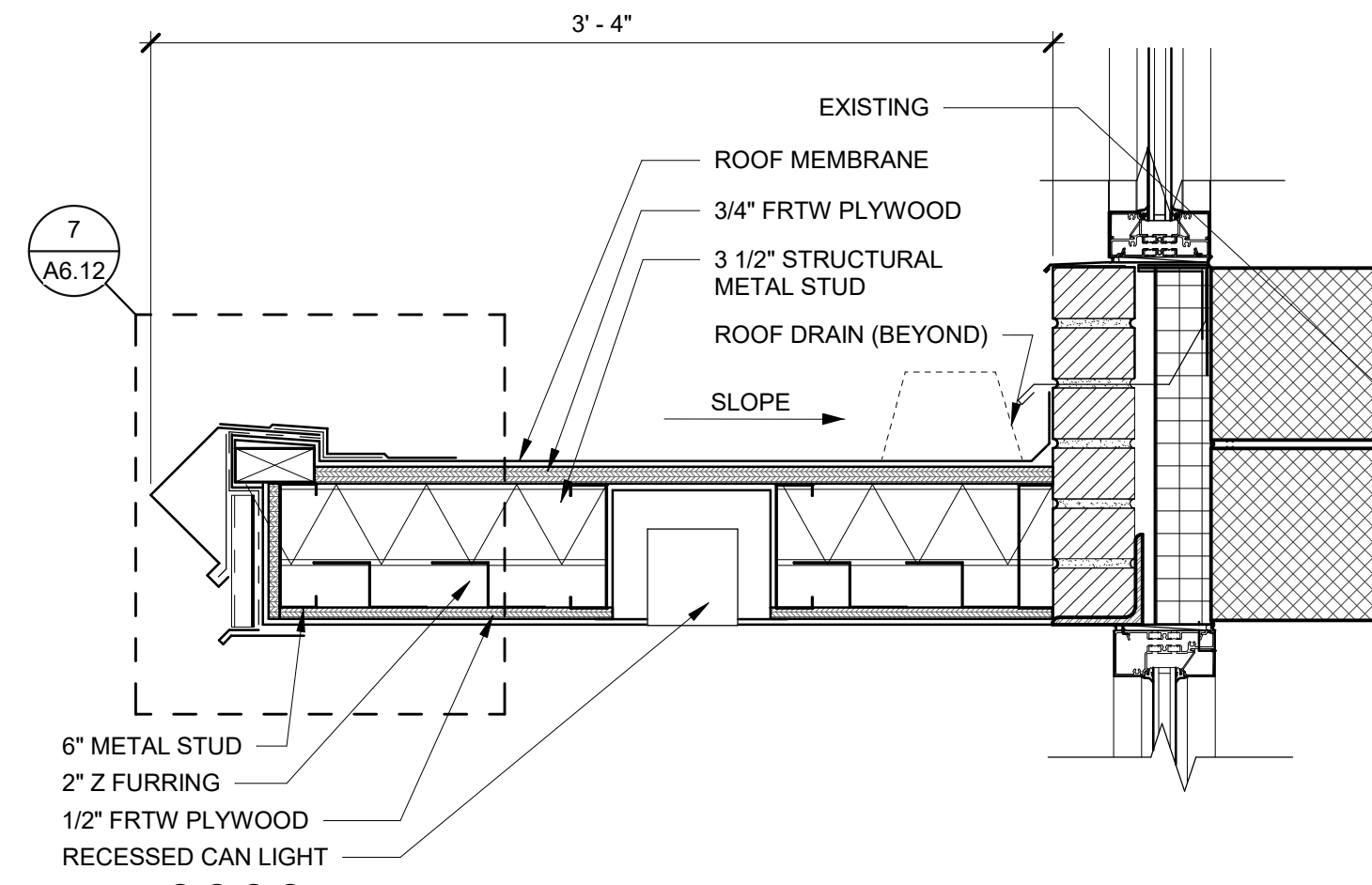
5 ROOF HATCH @ ROOF  
SCALE: 3" = 1'-0"



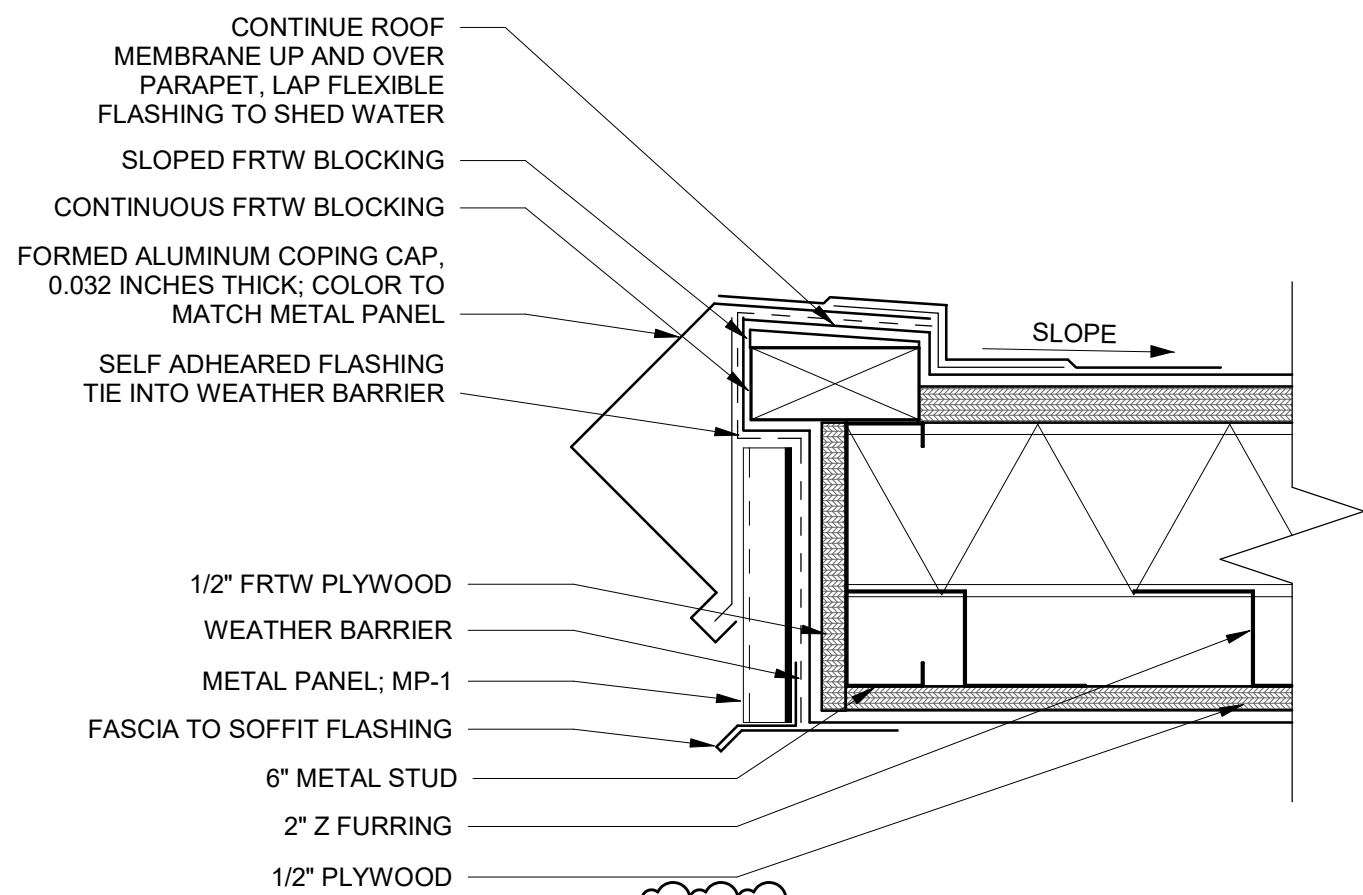
3 TYP. ROOF WALKWAY PAD  
SCALE: 1 1/2" = 1'-0"



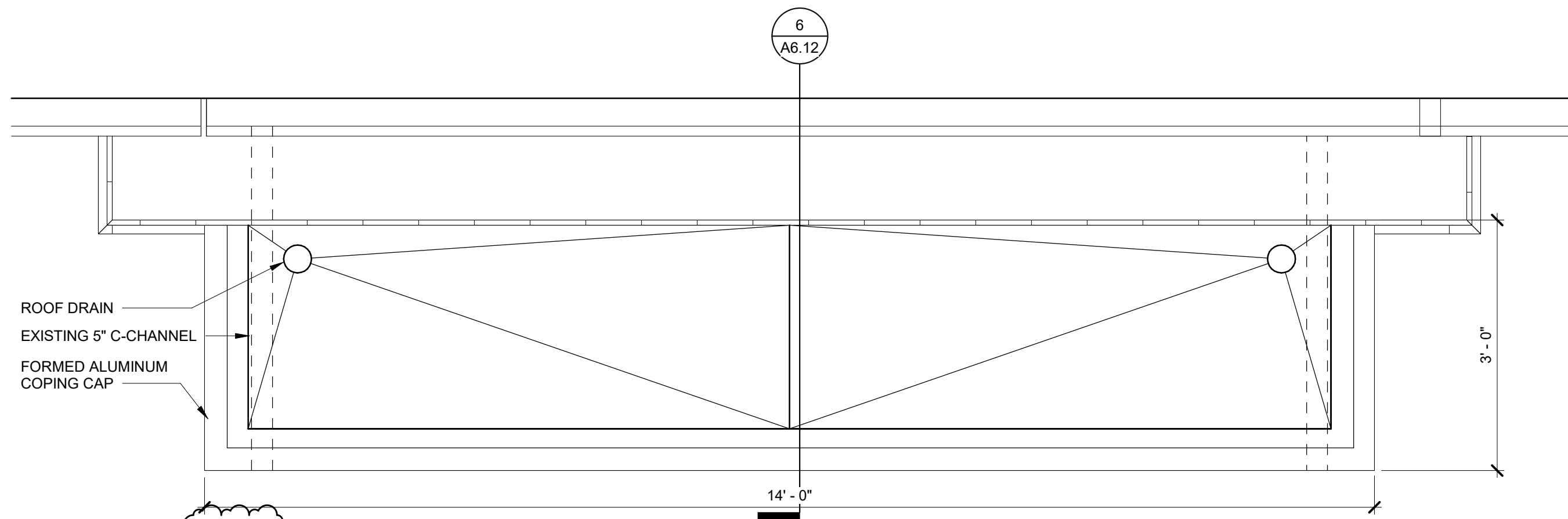
6 CANOPY DETAIL @ N JEFFERSON ENTRANCE  
SCALE: 1 1/2" = 1'-0"



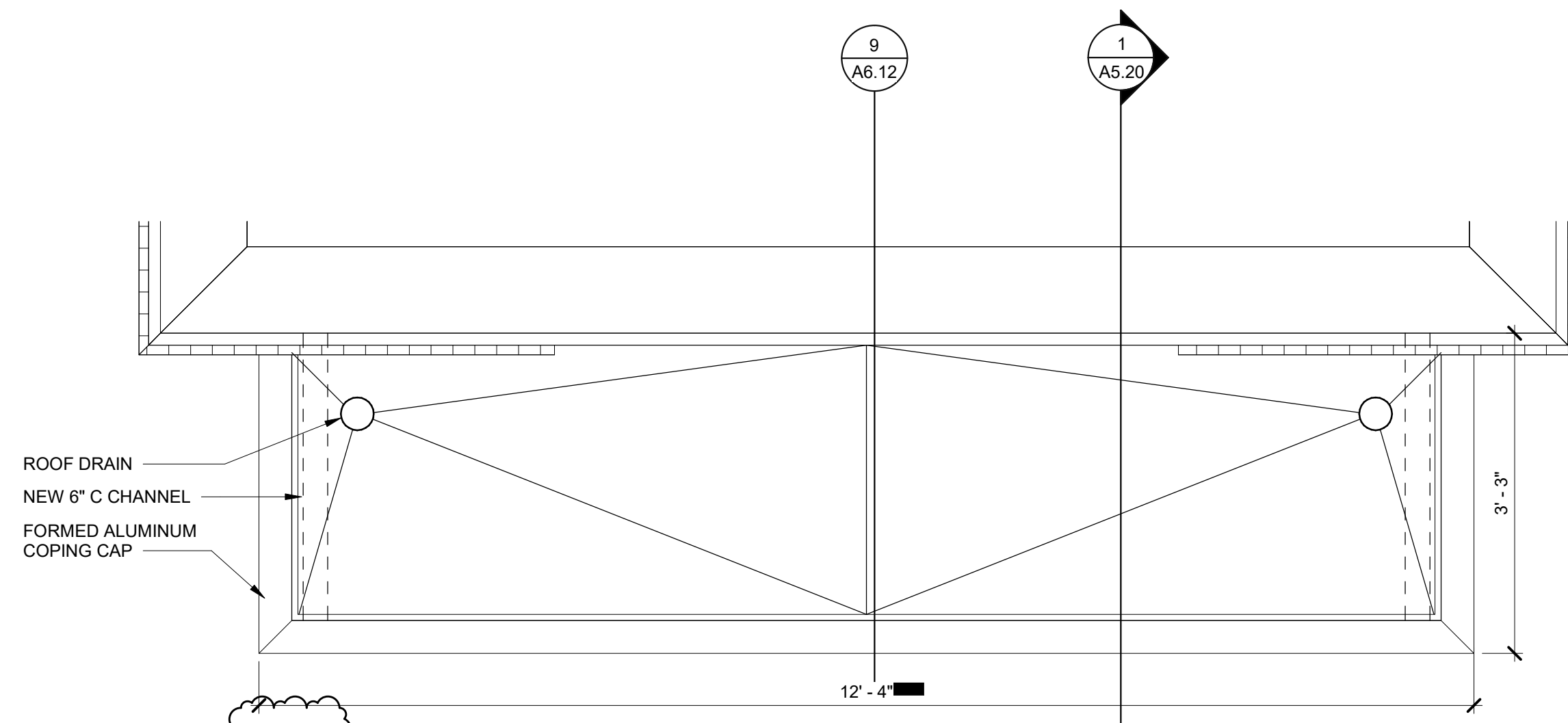
10 CANOPY DETAIL @ SOUTH JEFFERSON NEW ENTRANCE  
SCALE: 1 1/2" = 1'-0"



7 CANOPY END DETAIL  
SCALE: 3" = 1'-0"



9 CANOPY @ N. JEFFERSON ENTRANCE  
SCALE: 3/4" = 1'-0"



8 CANOPY @ NEW S. JEFFERSON ENTRANCE  
SCALE: 3/4" = 1'-0"

2	ADDENDUM NO. 2	09/08/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE

WTAARCH.COM

**WTA ARCHITECTS**

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

COPYRIGHT © 2023

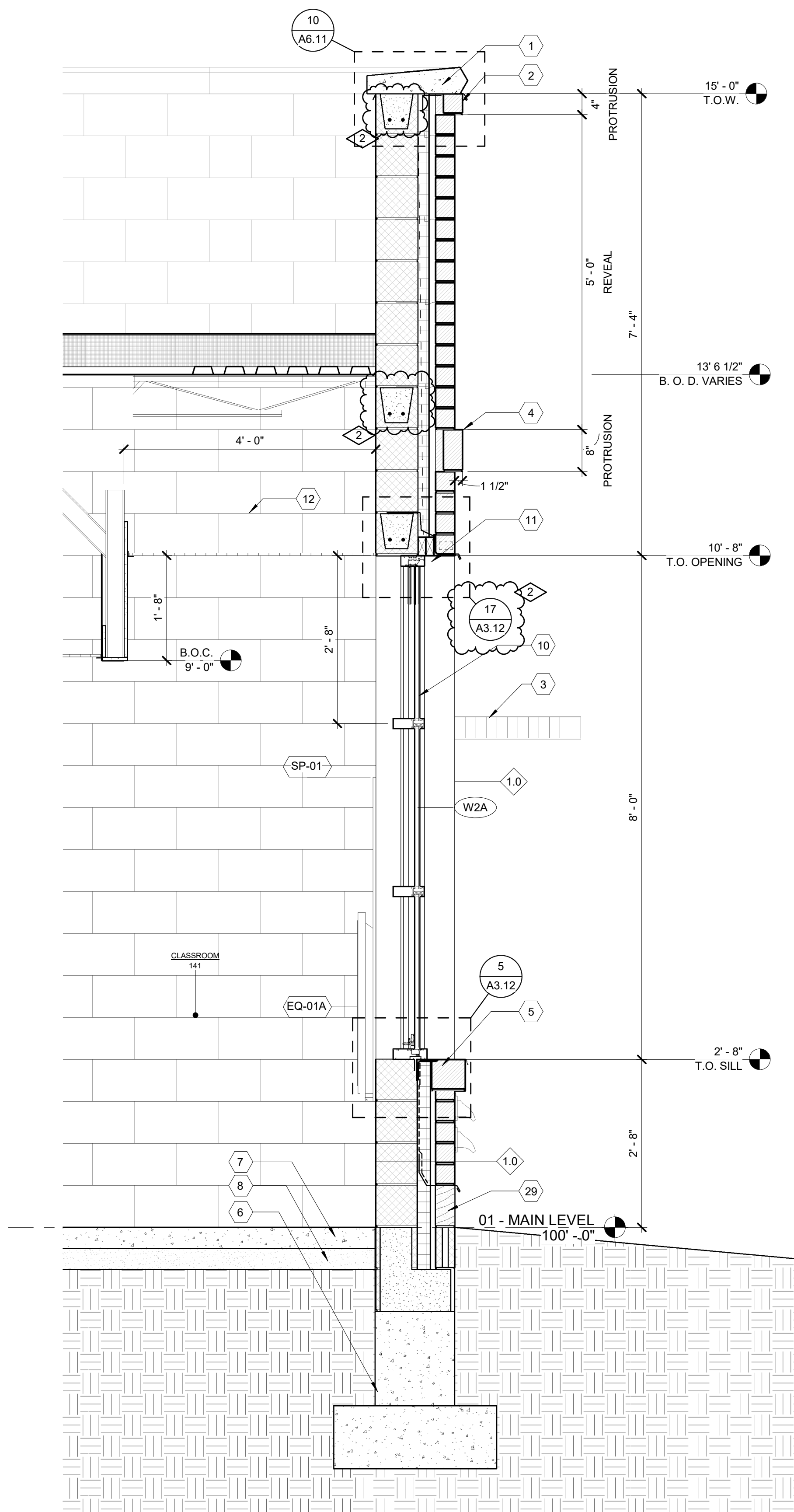
PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

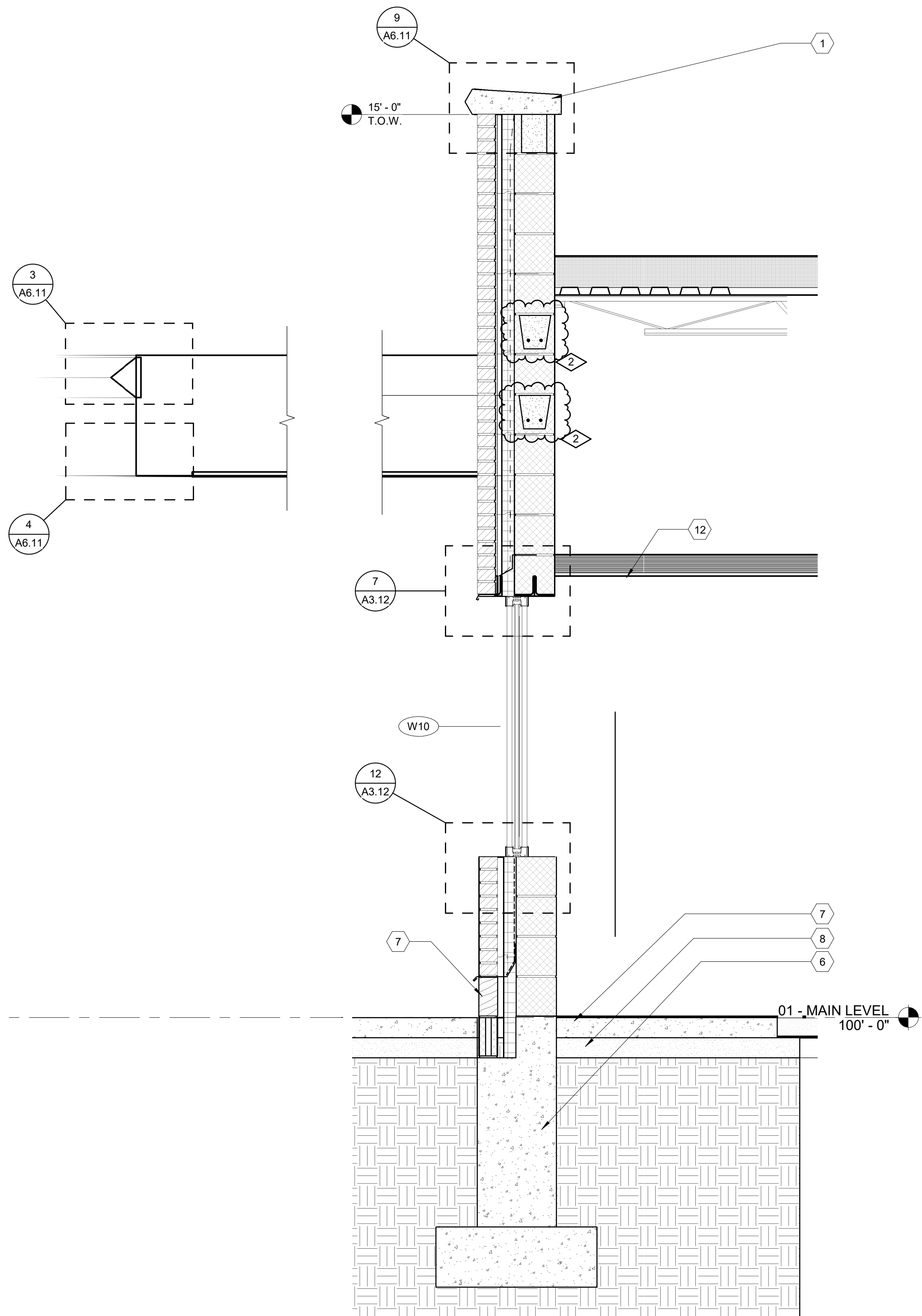
SHEET TITLE  
ROOF DETAILS

PROJECT NUMBER 2022006.1	SHEET NUMBER A6.12
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JMJ	

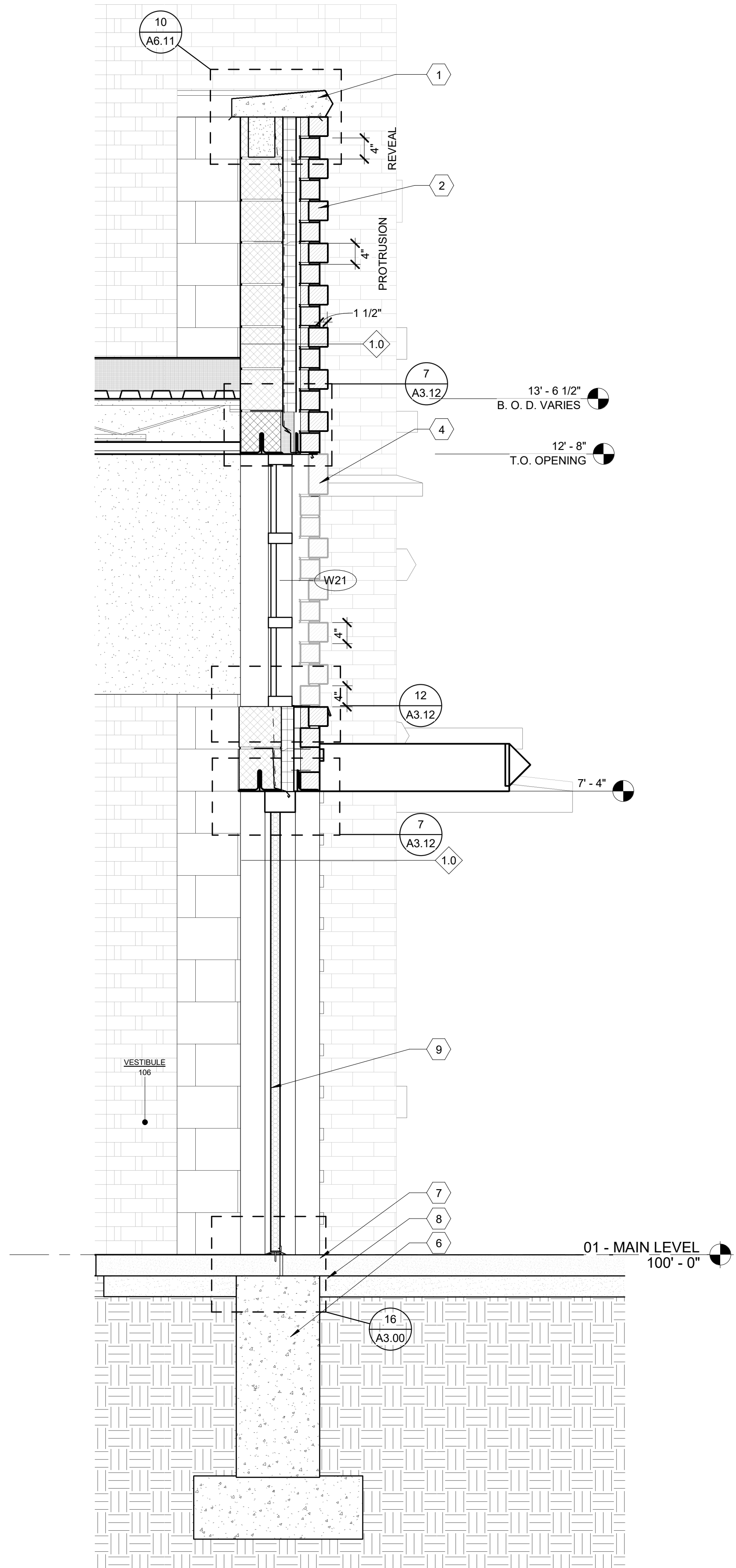




1 SECTION @ CLASSROOM 141  
SCALE: 3/4" = 1'-0"



2 SECTION @ WAITING LOBBY  
SCALE: 3/4" = 1'-0"



3 SECTION @ MAIN ENTRY VESTIBULE 106  
SCALE: 3/4" = 1'-0"

## MATERIAL KEYNOTES

- CAST STONE PARAPHET CAP
- FIXED SUNSCREEN SYSTEM MOUNTED TO VERTICAL MULLIONS BY WINDOW MFR. RE: ELEVATIONS FOR SPECIFIC LOCATIONS
- 1.5" BRICK PROTRUSION; SOLDIER COURSE
- CAST STONE SILL
- FOOTING AND FOUNDATION (SEE STRUCTURAL)
- CONCRETE SLAB (SEE STRUCTURAL)
- COMPACTED GRAINULAR FILL
- DOOR (SEE SCHEDULE)
- GLASS AND GLAZING SYSTEM
- ALUMINUM FRAMING SYSTEM
- FIXTURE AS OCCUR: RE: ELECTRICAL
- REMOVE AND REPLACE ALL CRACKED OR SPALLED BRICK WITHIN THIS AREA WITH NEW. SEE GENERAL NOTE 1 FOR ALLOWANCE.
- EXISTING MORTAR JOINTS WITHIN AREA ARE CRACKED, LOOSE, MISSING, OPEN, OR GENERALLY DETERIORATED. REMOVE ALL IDENTIFIED MORTAR TO MINIMUM DEPTH OF 1" AND REPOINT WITH NEW MORTAR. SEE GENERAL NOTE 3 FOR ALLOWANCE.
- OPEN CRACK IN STONE. INJECT THE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE OF THE STONE WITH A COLORED CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO THE ADJACENT SURFACES OF THE EXISTING STONE. SEE GENERAL NOTE 5 FOR ALLOWANCE.
- REMOVED EXISTING SEALANT AND BACKER ROD (IF PRESENT) BETWEEN WINDOW OR FRAME, AND ADJACENT MASONRY. INSTALL NEW BACKER ROD AND SEALANT.
- MASONRY CONTRACTOR SHALL OPEN AREAS INDICATED SIMILAR TO CONDITION (SEE DETAILS). CONTRACTOR SHALL THEN PROVIDE ACCESS FOR ARCHITECT/ENGINEER TO REVIEW. ONCE REVIEW IS COMPLETE THEN CONTRACTOR SHALL INFILL WITH EXISTING KIND MATERIALS.
- SALVAGE A MINIMUM OF THREE COURSES OF BRICK ABOVE TOP OF WINDOW TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING AND REPLACE BRICK. SEE GENERAL NOTE 3 FOR ALLOWANCES. SEE DETAIL 10/AS.13.
- SALVAGE STONE HEADER AND ONE COURSE OF BRICK ABOVE HEADER TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING. REINSTALL HEADER AND BRICK. SEE GENERAL NOTE 3 FOR ALLOWANCES. SEE DETAIL 10/AS.13.
- SAW CUT BRICK. INSTALL A NEW 1/2" VERTICAL EXPANSION JOINT FREE OF MASONRY AND MORTAR FULL DEPTH. FILL JOINT WITH NEW BACKER ROD AND SEALANT. SEE DETAIL 10/AS.13.
- EXISTING LIMESTONE COPING PIECE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. ALL EXPOSED SURFACES SHALL BE CHEMICALLY CLEANED TO REMOVE DIRT AND STAINS. ALL EXISTING MORTAR AND FLASHING SHALL BE REMOVED FROM HEAD AND BED JOINT SURFACES. INSTALL NEW COPING FLASHING ALONG THE ENTIRE LENGTH OF REPLACED COPING. SEE DETAIL 7/A6.11.
- HATCHING INDICATES AREA OF BRICK WALL TO BE SALVAGED IN ORDER TO REPAIR AND FLASH EMBEDDED STEEL CONDITIONS.
- REMOVE EXISTING ABANDONED ANCHOR. INFILL CAVITY WITH MORTAR AND RESEAL.
- RESEAL GAP WITH SILICONE AROUND EXISTING PIPE.
- INJECT CONCRETE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE WITH CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO ADJACENT EXISTING SURFACE. SEE GENERAL NOTE 6 FOR ALLOWANCE.
- CANOPY
- CAST ALUMINUM LETTERING 18" HIGH CENTERED IN FACIA
- LIMESTONE BASE COURSE
- MASONRY CONTROL JOINT
- LIMESTONE BASE COURSE
- EXISTING LIMESTONE COPING. ALL EXPOSED SURFACES TO BE CHEMICALLY CLEANED TO REMOVE DIRT & STAINS. ALL MISALIGNED COPINGS TO BE REMOVED AND REINSTALLED TO MATCH EXISTING. ALL DETERIORATED MORTAR JOINTS AND SEALANT TO BE CLEANED AND REINSTALLED.

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE

WTA ARCHITECTS  
100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
WALL SECTIONS

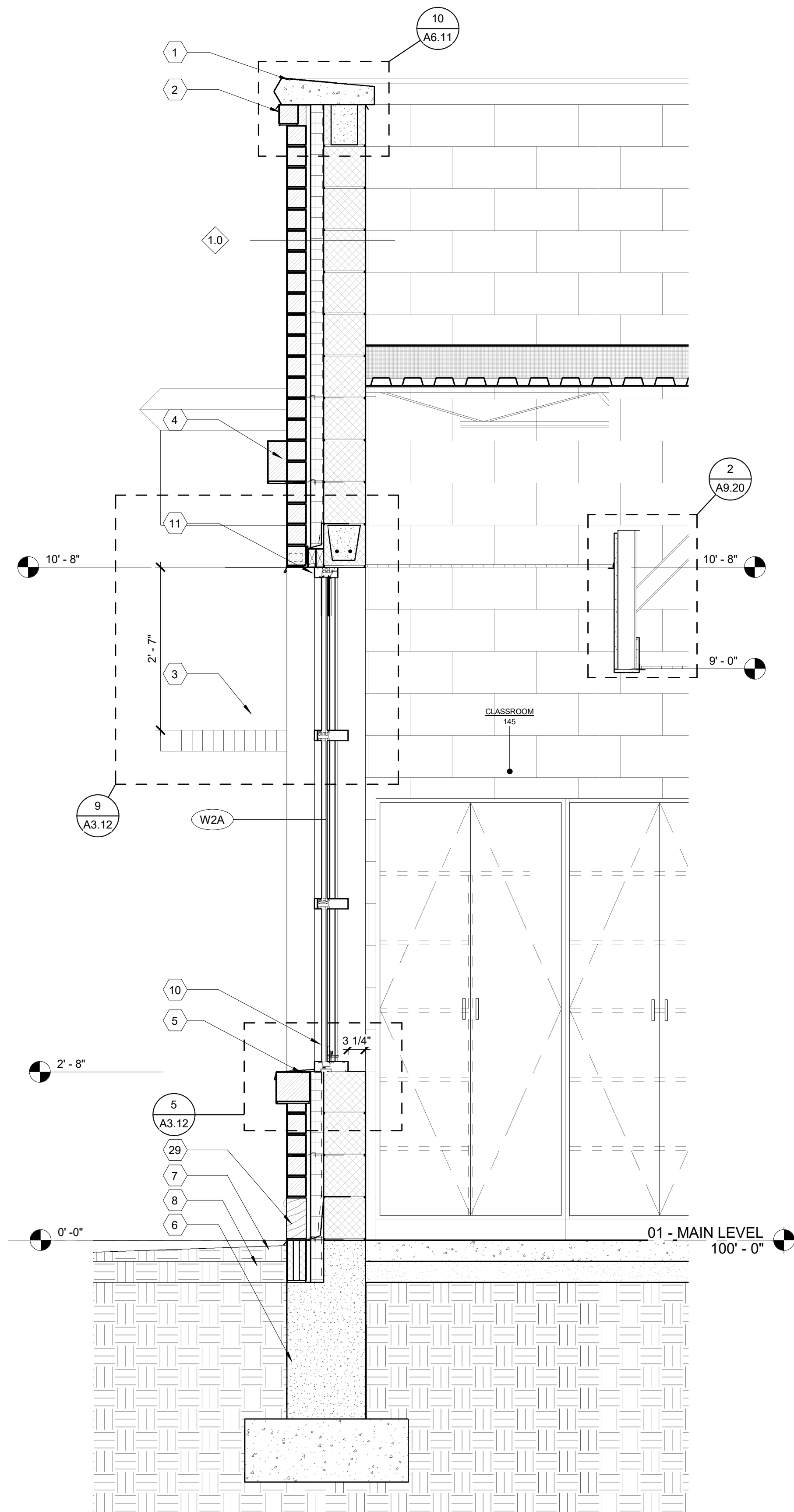
PROJECT NUMBER  
2022006.1

PROJECT DATE  
AUGUST 23, 2023

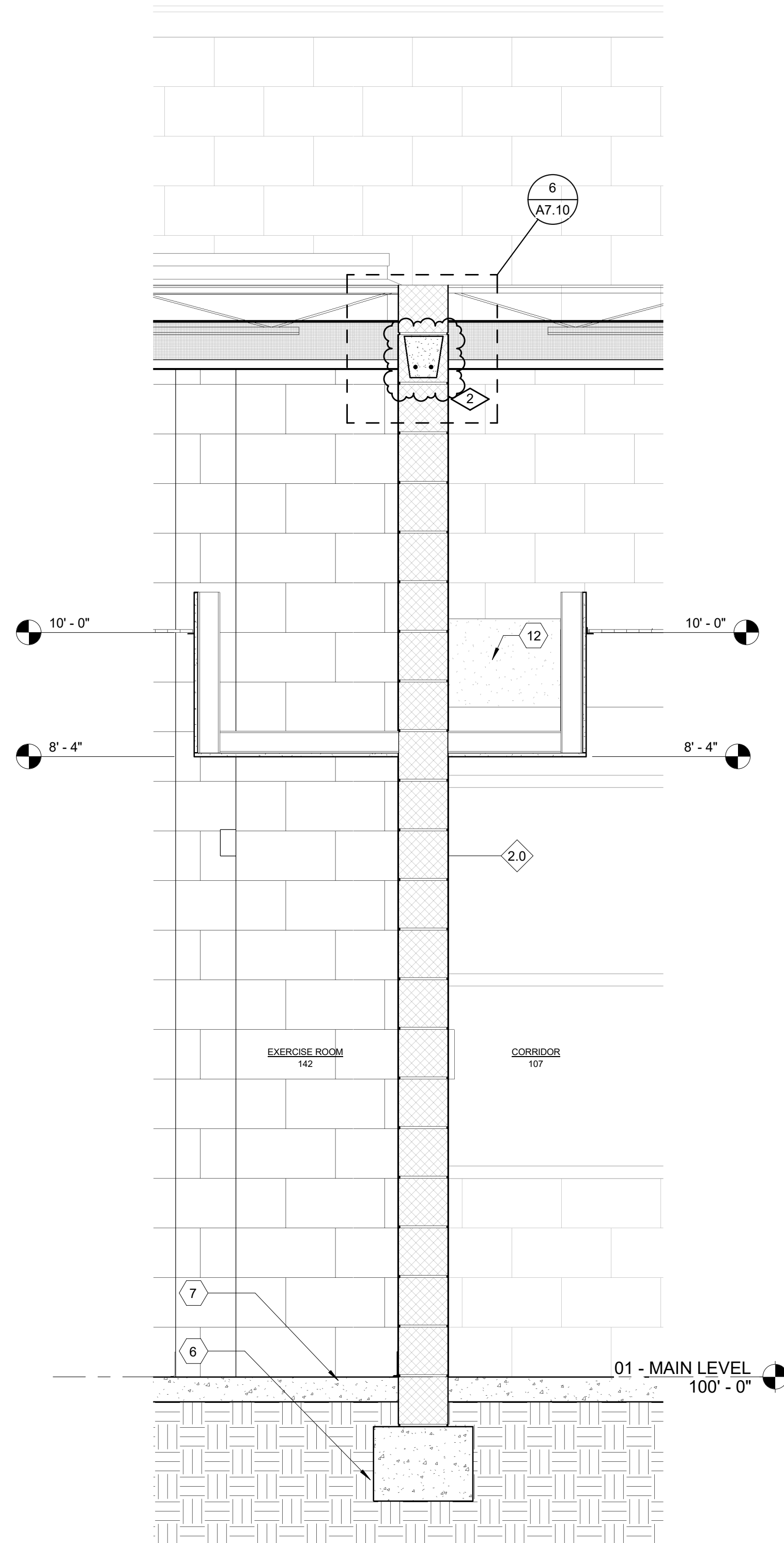
CHECKED BY  
Checker

SHEET NUMBER

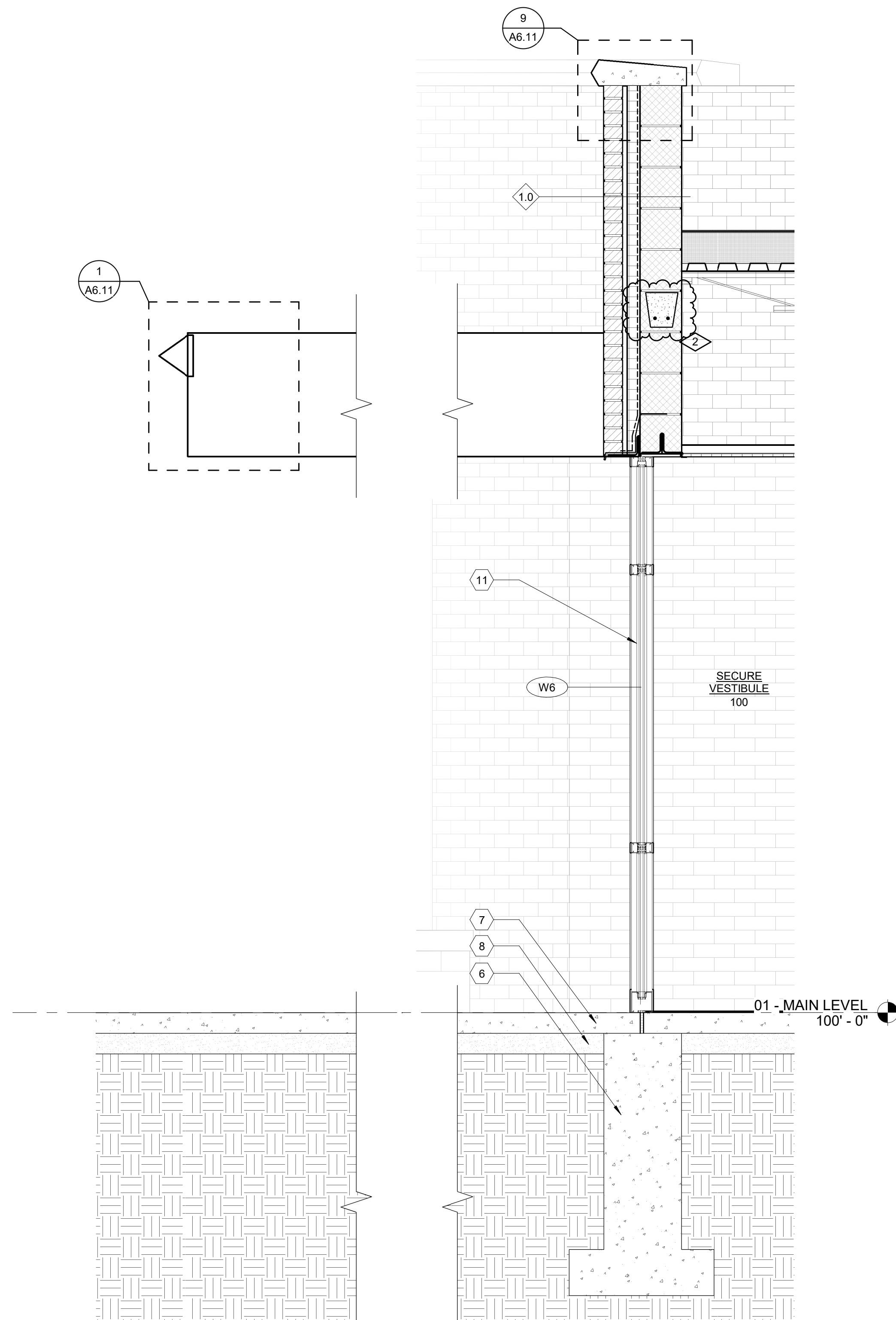
A7.01



1 SECTION @ CLASSROOM 145  
SCALE: 3/4" = 1'-0"



2 SECTION @ CORRIDOR 107  
SCALE: 3/4" = 1'-0"



3 SECTION @ MAIN ENTRY VESTIBULE 100  
SCALE: 3/4" = 1'-0"

#### MATERIAL KEYNOTES

- CAST STONE PARAPHET CAP
- FIXED SUNSCREEN SYSTEM MOUNTED TO VERTICAL MULLIONS BY WINDOW MFR. RE: ELVATIONS FOR SPECIFIC LOCATIONS
- 1.5" BRICK PROTRUSION, SOLDIER COURSE
- CAST STONE SILL
- FOOTING AND FOUNDATION (SEE STRUCTURAL)
- CONCRETE SLAB (SEE STRUCTURAL)
- COMPACTED GRAINULAR FILL
- DOOR (SEE SCHEDULE)
- GLASS AND GLAZING SYSTEM
- ALUMINUM FRAMING SYSTEM
- FIXTURE AS OCCUR, RE: ELECTRICAL
- REMOVE AND REPLACE ALL CRACKED OR SPALLED BRICK WITHIN THIS AREA WITH NEW. SEE GENERAL NOTE 1 FOR ALLOWANCE
- EXISTING MORTAR JOINTS WITHIN AREA ARE CRACKED, LOOSE, MISSING, OPEN, OR GENERALLY DETERIORATED. REMOVE ALL IDENTIFIED MORTAR TO MINIMUM DEPTH OF 1" AND REPOINT WITH NEW MORTAR. SEE GENERAL NOTE 3 FOR ALLOWANCE
- OPEN CRACK IN STONE. INJECT THE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE OF THE STONE WITH A COLORED CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO THE ADJACENT SURFACES OF THE EXISTING STONE. SEE GENERAL NOTE 5 FOR ALLOWANCE
- REMOVED EXISTING SEALANT AND BACKER ROD (IF PRESENT) BETWEEN WINDOW OR FRAME, AND ADJACENT MASONRY. INSTALL NEW BACKER ROD AND SEALANT
- MASONRY CONTRACTOR SHALL OPEN AREAS INDICATED SIMILAR TO CONDITION (SEE DETAILS). CONTRACTOR SHALL THEN PROVIDE ACCESS FOR ARCHITECT/ENGINEER TO REVIEW. ONCE REVIEW IS COMPLETE THEN CONTRACTOR SHALL INFILL WITH EXISTING KIND MATERIALS
- SALVAGE A MINIMUM OF THREE COURSES OF BRICK ABOVE TOP OF WINDOW TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING AND REPLACE BRICK. SEE GENERAL NOTE 2 FOR ALLOWANCES. SEE DETAIL 10A.13
- SALVAGE STONE HEADER AND ONE COURSE OF BRICK ABOVE HEADER TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING. REINSTALL HEADER AND BRICK. SEE GENERAL NOTE 1, 3, 4 FOR ALLOWANCES. SEE DETAIL 10A.13
- SAW CUT BRICK. INSTALL A NEW 1/2" VERTICAL EXPANSION JOINT FREE OF MASONRY AND MORTAR FULL DEPTH. FILL JOINT WITH NEW BACKER ROD AND SEALANT. SEE DETAIL 10A.13
- EXISTING LIMESTONE COPING PIECE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. ALL EXPOSED SURFACES SHALL BE CHEMICALLY CLEANED TO REMOVE DIRT AND STAINS. ALL EXISTING MORTAR AND FLASHING SHALL BE REMOVED FROM HEAD AND BED JOINT SURFACES. INSTALL NEW COPING FLASHING ALONG THE ENTIRE LENGTH OF REPLACED COPING. SEE DETAIL 7/A6.11
- HATCHING INDICATES AREA OF BRICK WALL TO BE SALVAGED IN ORDER TO REPAIR AND FLASH EMBEDDED STEEL CONDITIONS
- REMOVE EXISTING ABANDONED ANCHOR. INFILL CAVITY WITH MORTAR AND RESEAL
- RESEAL GAP WITH SILICONE AROUND EXISTING PIPE
- INJECT CONCRETE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE WITH CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO ADJACENT EXISTING SURFACE. SEE GENERAL NOTE 6 FOR ALLOWANCE
- CANOPY
- CAST ALUMINUM LETTERING 18" HIGH CENTERED IN FACIA
- LIMESTONE BASE COURSE
- MASONRY CONTROL JOINT
- EXISTING LIMESTONE COPING. ALL EXPOSED SURFACES TO BE CHEMICALLY CLEANED TO REMOVE DIRT & STAINS. ALL MISALIGNED COPING TO BE REMOVED AND REINSTALLED TO MATCH EXISTING. ALL DETERIORATED MORTAR JOINTS AND SEALANT TO BE CLEANED AND REINSTALLED

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE

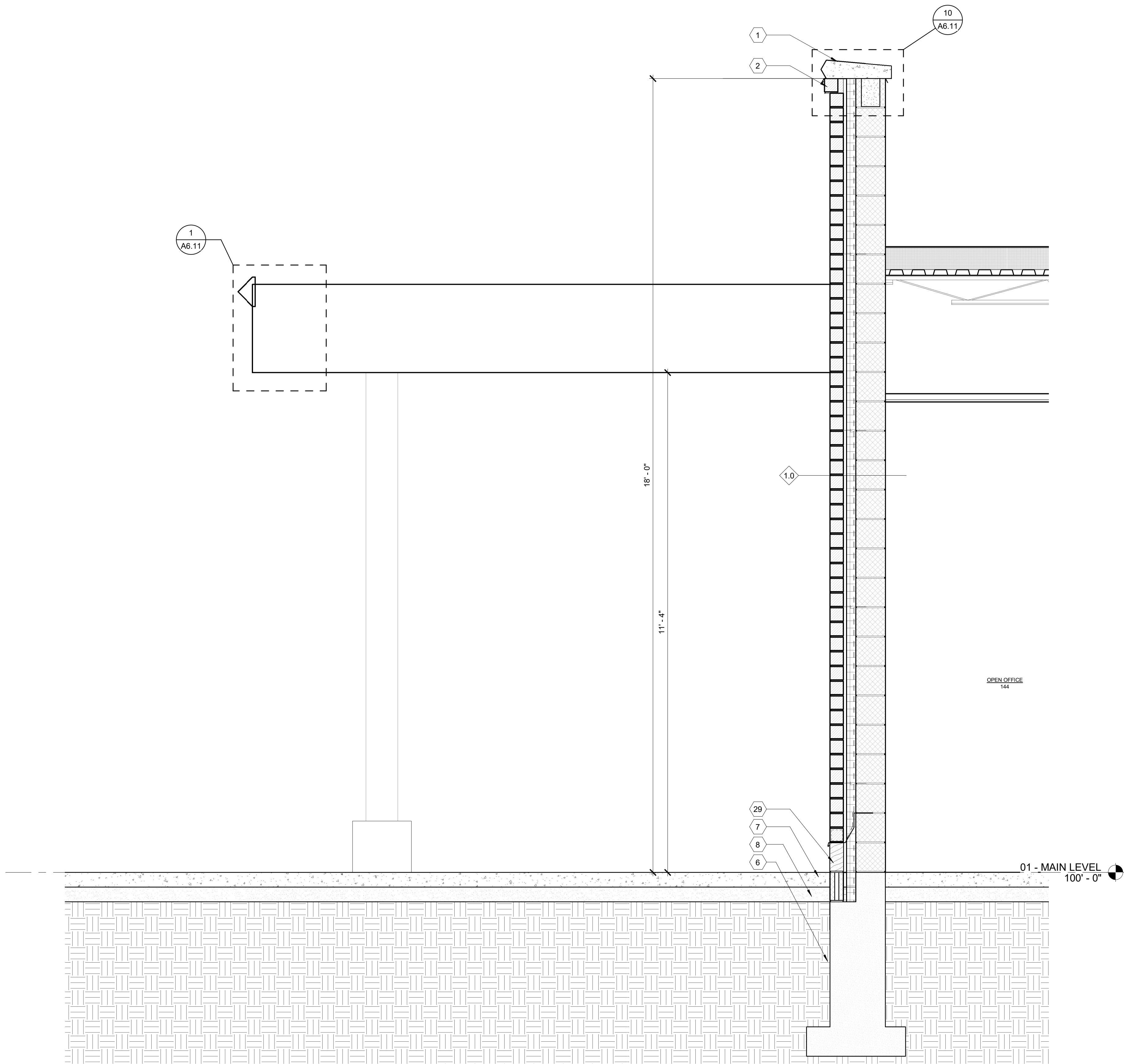
WTA ARCHITECTS  
100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
WTAARCH.COM  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

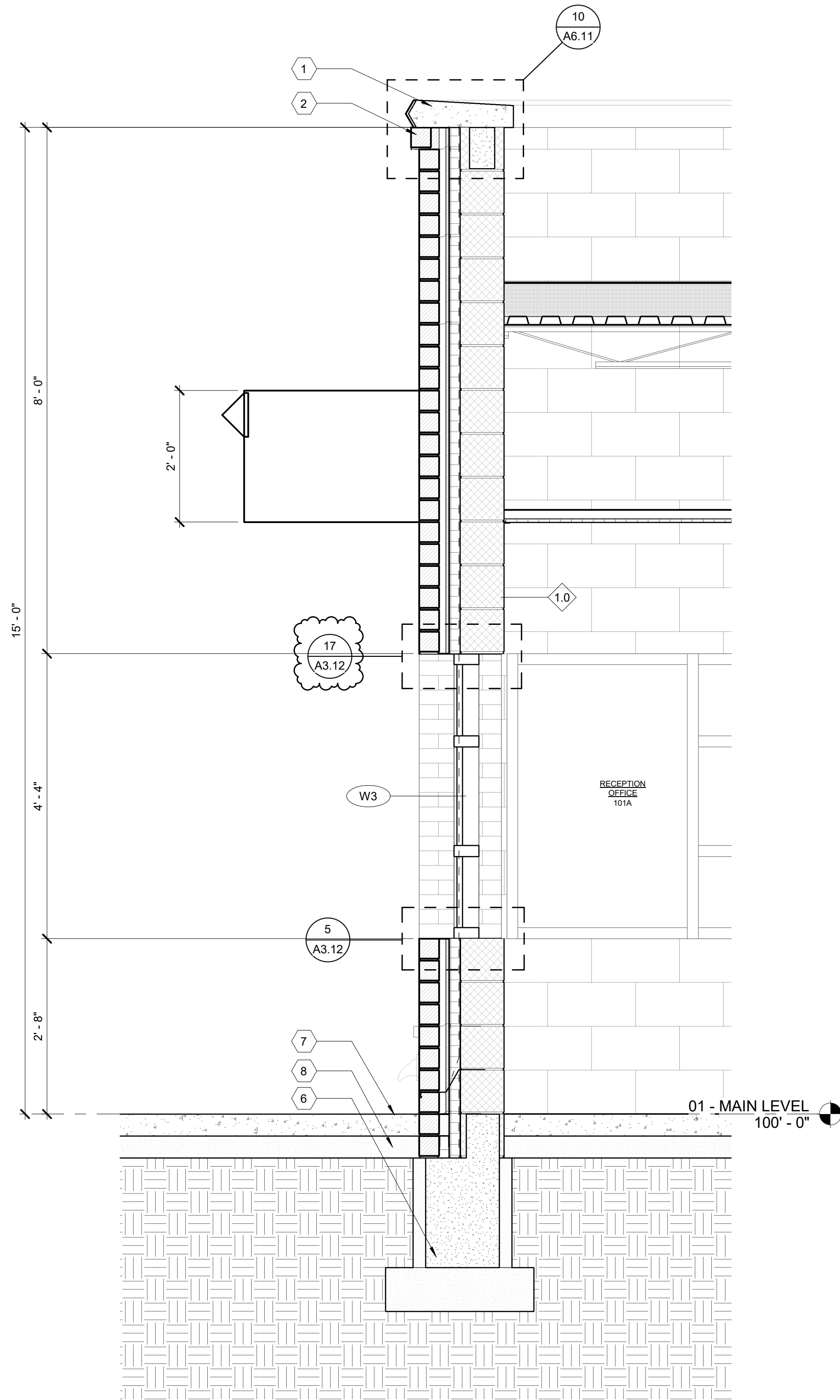
MIDLAND, MICHIGAN

SHEET TITLE  
WALL SECTIONS

PROJECT NUMBER 2022006.1	SHEET NUMBER A7.02
PROJECT DATE AUGUST 23, 2023	
CHECKED BY Checker	



1 SECTION @ SOUTH ADDITION ENTRY CANOPY  
SCALE: 3/4" = 1'-0"



2 SECTION @ MAIN ENTRY CANOPY  
SCALE: 3/4" = 1'-0"

#### MATERIAL KEYNOTES

- CAST STONE PARAPHET CAP
- BRICK PROTRUSION
- FIXED SUNSCREEN SYSTEM MOUNTED TO VERTICAL MULLIONS BY WINDOW MFR. RE: ELVATIONS FOR SPECIFIC LOCATIONS
- 1.5" BRICK PROTRUSION, SOLDIER COURSE
- CAST STONE SILL
- FOOTING AND FOUNDATION (SEE STRUCTURAL)
- CONCRETE SLAB (SEE STRUCTURAL)
- COMPACTED GRAINULAR FILL
- DOOR (SEE SCHEDULE)
- GLASS AND GLAZING SYSTEM
- ALUMINUM FRAMING SYSTEM
- FIXTURE AS OCCUR, RE: ELECTRICAL
- REMOVE AND REPLACE ALL CRACKED OR SPALLED BRICK WITHIN THIS AREA WITH NEW. SEE GENERAL NOTE 1 FOR ALLOWANCE.
- EXISTING MORTAR JOINTS WITHIN AREA ARE CRACKED, LOOSE, MISSING, OPEN, OR GENERALLY DETERIORATED. REMOVE ALL IDENTIFIED MORTAR TO MINIMUM DEPTH OF 1" AND REPOINT WITH NEW MORTAR. SEE GENERAL NOTE 3 FOR ALLOWANCE.
- OPEN CRACK IN STONE. INJECT THE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE OF THE STONE WITH A COLORED CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO THE ADJACENT SURFACES OF THE EXISTING STONE. SEE GENERAL NOTE 5 FOR ALLOWANCE.
- REMOVED EXISTING SEALANT AND BACKER ROD (IF PRESENT) BETWEEN WINDOW OR FRAME, AND ADJACENT MASONRY. INSTALL NEW BACKER ROD AND SEALANT.
- MASONRY CONTRACTOR SHALL OPEN AREAS INDICATED SIMILAR TO CONDITION (SEE DETAILS). CONTRACTOR SHALL THEN PROVIDE ACCESS FOR ARCHITECT/ENGINEER TO REVIEW. ONCE REVIEW IS COMPLETE THEN CONTRACTOR SHALL INFILL WITH EXISTING KIND MATERIALS.
- SALVAGE A MINIMUM OF THREE COURSES OF BRICK ABOVE TOP OF WINDOW TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING AND REPLACE BRICK. SEE GENERAL NOTE 3 FOR ALLOWANCES. SEE DETAIL 10/A6.11.
- SALVAGE STONE HEADER AND ONE COURSE OF BRICK ABOVE HEADER TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING. REINSTALL HEADER AND BRICK. SEE GENERAL NOTE 3, 4 FOR ALLOWANCES. SEE DETAIL 10/A6.11.
- SAW CUT BRICK. INSTALL A NEW 1/2" VERTICAL EXPANSION JOINT FREE OF MASONRY AND MORTAR FULL DEPTH. FILL JOINT WITH NEW BACKER ROD AND SEALANT. SEE DETAIL 4/A6.13.
- EXISTING LIMESTONE COPING PIECE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. ALL EXPOSED SURFACES SHALL BE CHEMICALLY CLEANED TO REMOVE DIRT AND STAINS. ALL EXISTING MORTAR AND FLASHING SHALL BE REMOVED FROM HEAD AND BED JOINT SURFACES. INSTALL NEW COPING FLASHING ALONG THE ENTIRE LENGTH OF REPLACED COPING. SEE DETAIL 7/A6.11.
- HATCHING INDICATES AREA OF BRICK WALL TO BE SALVAGED IN ORDER TO REPAIR AND FLASH EMBEDDED STEEL CONDITIONS.
- REMOVE EXISTING ABANDONED ANCHOR. INFILL CAVITY WITH MORTAR AND RESEAL.
- RESEAL GAP WITH SILICONE AROUND EXISTING PIPE.
- INJECT CONCRETE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE WITH CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO ADJACENT EXISTING SURFACE. SEE GENERAL NOTE 6 FOR ALLOWANCE.
- CANOPY
- CAST ALUMINUM LETTERING 18" HIGH CENTERED IN FACIA.
- LIMESTONE BASE COURSE
- MASONRY CONTROL JOINT
- EXISTING LIMESTONE COPING. ALL EXPOSED SURFACES TO BE CHEMICALLY CLEANED TO REMOVE DIRT & STAINS. ALL MISALIGNED COPING TO BE REMOVED AND REINSTALLED TO MATCH EXISTING. ALL DETERIORATED MORTAR JOINTS AND SEALANT TO BE CLEANED AND REINSTALLED.

1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE

WTA ARCHITECTS  
100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
WTAARCH.COM  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
WALL SECTIONS

PROJECT NUMBER  
2022006.1

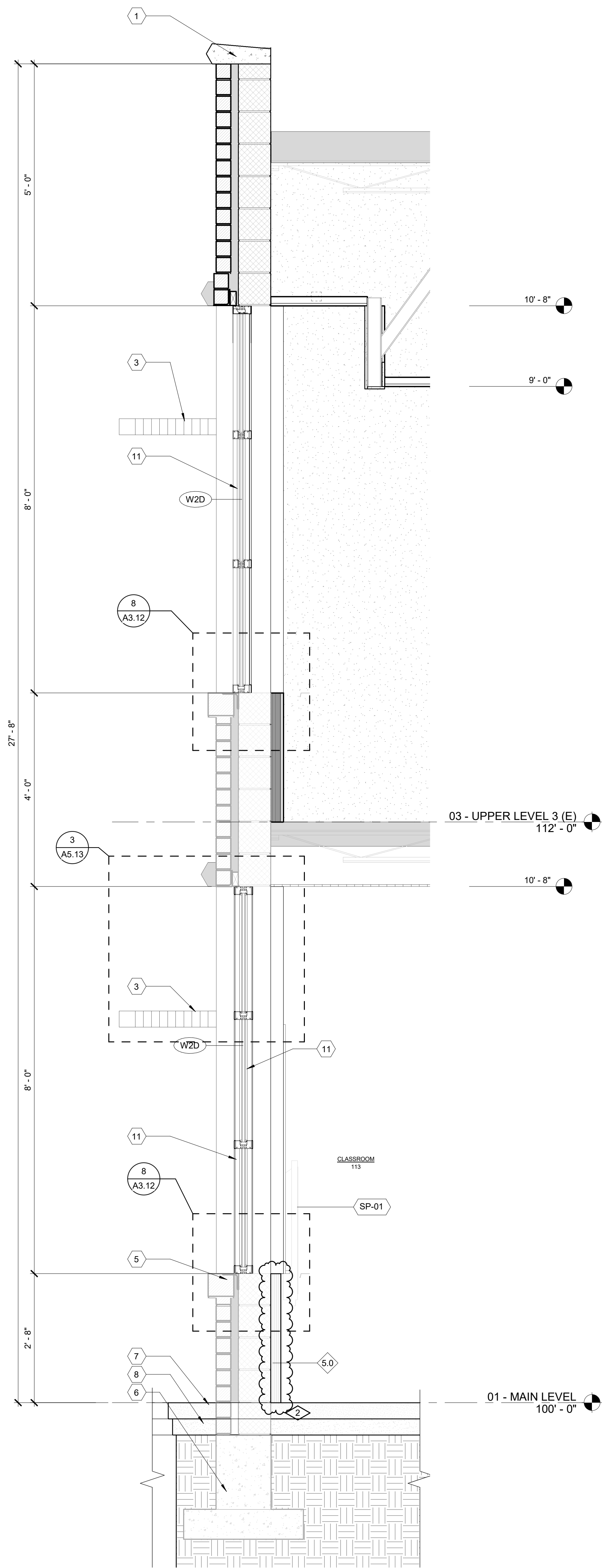
PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

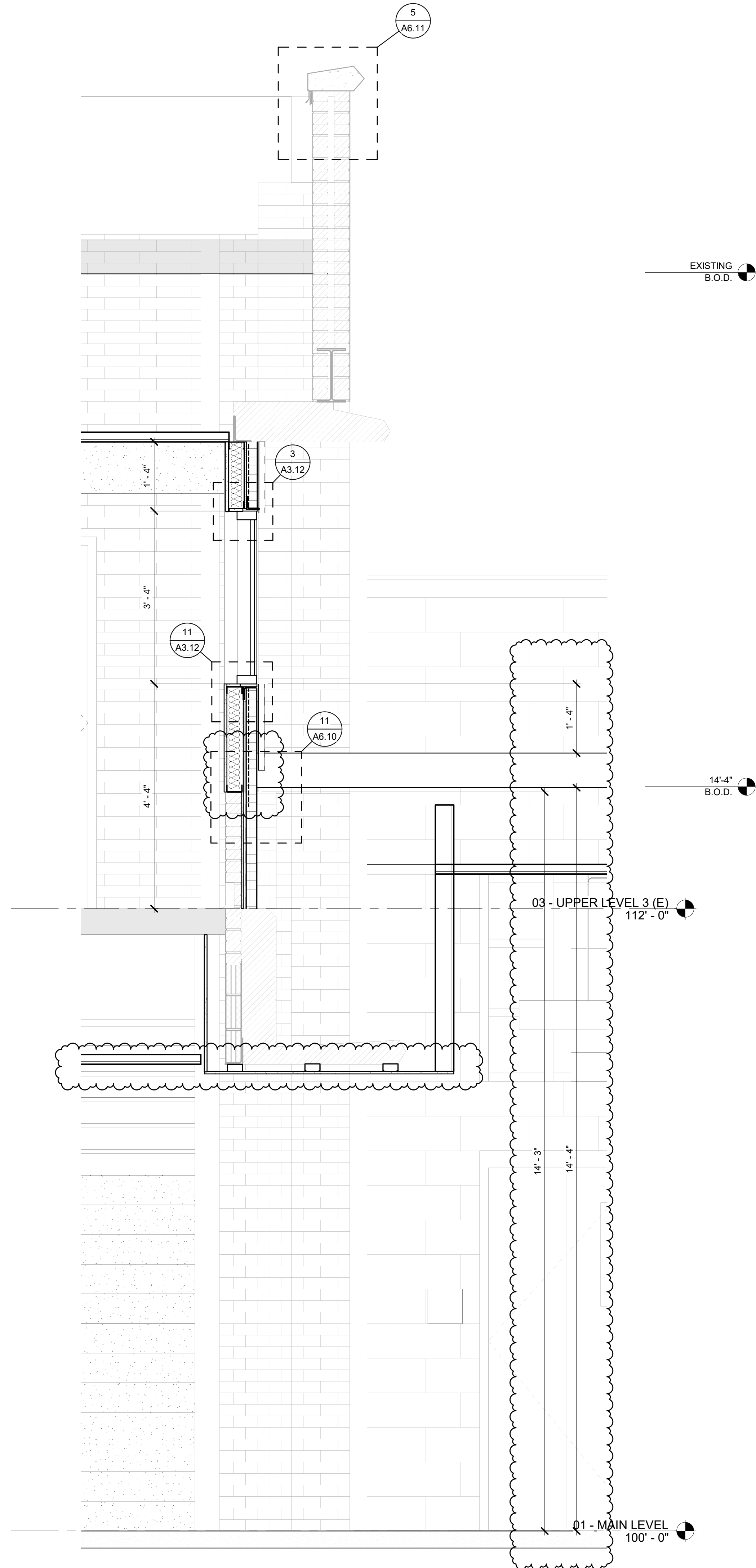
SHEET NUMBER

A7.03





1  
A7.04 SECTION @ CLASSROOM 113 FURRING UP TO WINDOW SILL  
SCALE: 3/4" = 1'-0"



2  
A7.04 SECTION @ CORRIDOR 103 TO NEW ROOF  
SCALE: 3/4" = 1'-0"

## # MATERIAL KEYNOTES

- CAST STONE PARAPHET CAP TO BRICK PROTRUSION
- FIXED SUNSCREEN SYSTEM MOUNTED TO VERTICAL MULLIONS BY WINDOW MFR. RE: ELEVATIONS FOR SPECIFIC LOCATIONS
- 1 1/2" BRICK PROTRUSION; SOLDIER COURSE
- CAST STONE SILL
- FOOTING AND FOUNDATION (SEE STRUCTURAL)
- CONCRETE SLAB (SEE STRUCTURAL)
- COMPACTED GRANULAR FILL
- DOOR (SEE SCHEDULE)
- GLASS AND GLAZING SYSTEM
- ALUMINUM FRAMING SYSTEM
- FIXTURE AS OCCUR, RE: ELECTRICAL
- REMOVE AND REPLACE ALL CRACKED OR SPALLED BRICK WITHIN THIS AREA WITH NEW. SEE GENERAL NOTE 1 FOR ALLOWANCE.
- EXISTING MORTAR JOINS WITHIN AREA ARE CRACKED, LOOSE, MISSING, OPEN, OR GENERALLY DETERIORATED. REMOVE ALL IDENTIFIED MORTAR TO MINIMUM DEPTH OF 1" AND REPOINT WITH NEW MORTAR. SEE GENERAL NOTE 3 FOR ALLOWANCE.
- OPEN CRACK IN STONE. INJECT THE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE OF THE STONE WITH A COLORED CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO THE ADJACENT SURFACES OF THE EXISTING STONE. SEE GENERAL NOTE 5 FOR ALLOWANCE.
- REMOVED EXISTING SEALANT AND BACKER ROD (IF PRESENT) BETWEEN WINDOW OR FRAME, AND ADJACENT MASONRY. INSTALL NEW BACKER ROD AND SEALANT.
- MASONRY CONTRACTOR SHALL OPEN AREAS INDICATED SIMILAR TO CONDITION [SEE DETAIL 5]. CONTRACTOR SHALL THEN PROVIDE ACCESS FOR ARCHITECT/ENGINEER TO REVIEW. ONCE REVIEW IS COMPLETE THEN CONTRACTOR SHALL INFILL WITH EXISTING KIND MATERIALS.
- SALVAGE A MINIMUM OF THREE COURSES OF BRICK ABOVE TOP OF WINDOW TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING AND REPLACE BRICK. SEE GENERAL NOTE 1, 2, 3, 4 FOR ALLOWANCES. SEE DETAIL 13, 2, A5.12
- SALVAGE STONE HEADER AND ONE COURSE OF BRICK ABOVE HEADER TO EXPOSE EXISTING LINTEL. REMOVE EXISTING LINTEL AND FLASHING AND INSTALL NEW LINTEL AND THRU WALL FLASHING. REINSTALL HEADER AND BRICK. SEE GENERAL NOTE 1, 2, 3, 4 FOR ALLOWANCES. SEE DETAIL 13, 2, A5.12
- SAW CUT BRICK. INSTALL A NEW 1/2" VERTICAL EXPANSION JOINT FREE OF MASONRY AND MORTAR FULL DEPTH. FILL JOINT WITH NEW BACKER ROD AND SEALANT. SEE DETAIL 4, A5.13
- EXISTING LIMESTONE COPING PIECE TO BE REMOVED AND SALVAGED FOR REINSTALLATION. ALL EXPOSED SURFACES SHALL BE CHEMICALLY CLEANED TO REMOVE DIRT AND STAINS. ALL EXISTING MORTAR AND FLASHING SHALL BE REMOVED FROM HEAD AND BED JOINT SURFACES. INSTALL NEW COPING FLASHING ALONG THE ENTIRE LENGTH OF REPLACED COPING. SEE DETAIL 7, A6.11
- HATCHING INDICATES AREA OF BRICK WALL TO BE SALVAGED IN ORDER TO REPAIR AND FLASH EMBEDDED STEEL CONDITIONS.
- REMOVE EXISTING ABANDONED ANCHOR. INFILL CAVITY WITH MORTAR AND RESEAL.
- RESEAL GAP WITH SILICONE AROUND EXISTING PIPE.
- INJECT CONCRETE CRACK FULL WITH EPOXY AND PATCH/FINISH THE EXTERIOR SURFACE WITH CEMENTITIOUS COMPOUND IN ORDER TO BLEND THE REPAIR INTO ADJACENT EXISTING SURFACE. SEE GENERAL NOTE 6 FOR ALLOWANCE.
- CANOPY
- CAST ALUMINUM LETTERING 18" HIGH CENTERED IN FACIA.
- LIMESTONE BASE COURSE
- MASONRY CONTROL JOINT
- LIMESTONE BASE COURSE
- EXISTING STONE FINISH MAINTAINED TO REMOVE DIRT & STAINS. ALL MISALIGNED COPING TO BE REMOVED AND REINSTALLED TO MATCH EXISTING. ALL DETERIORATED MORTAR JOINTS AND SEALANT TO BE CLEANED AND REINSTALLED.

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
ISSUED FOR BID		08/23/23
NO.	REVISION	DATE

WTAARCH.COM

**WTA ARCHITECTS**

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

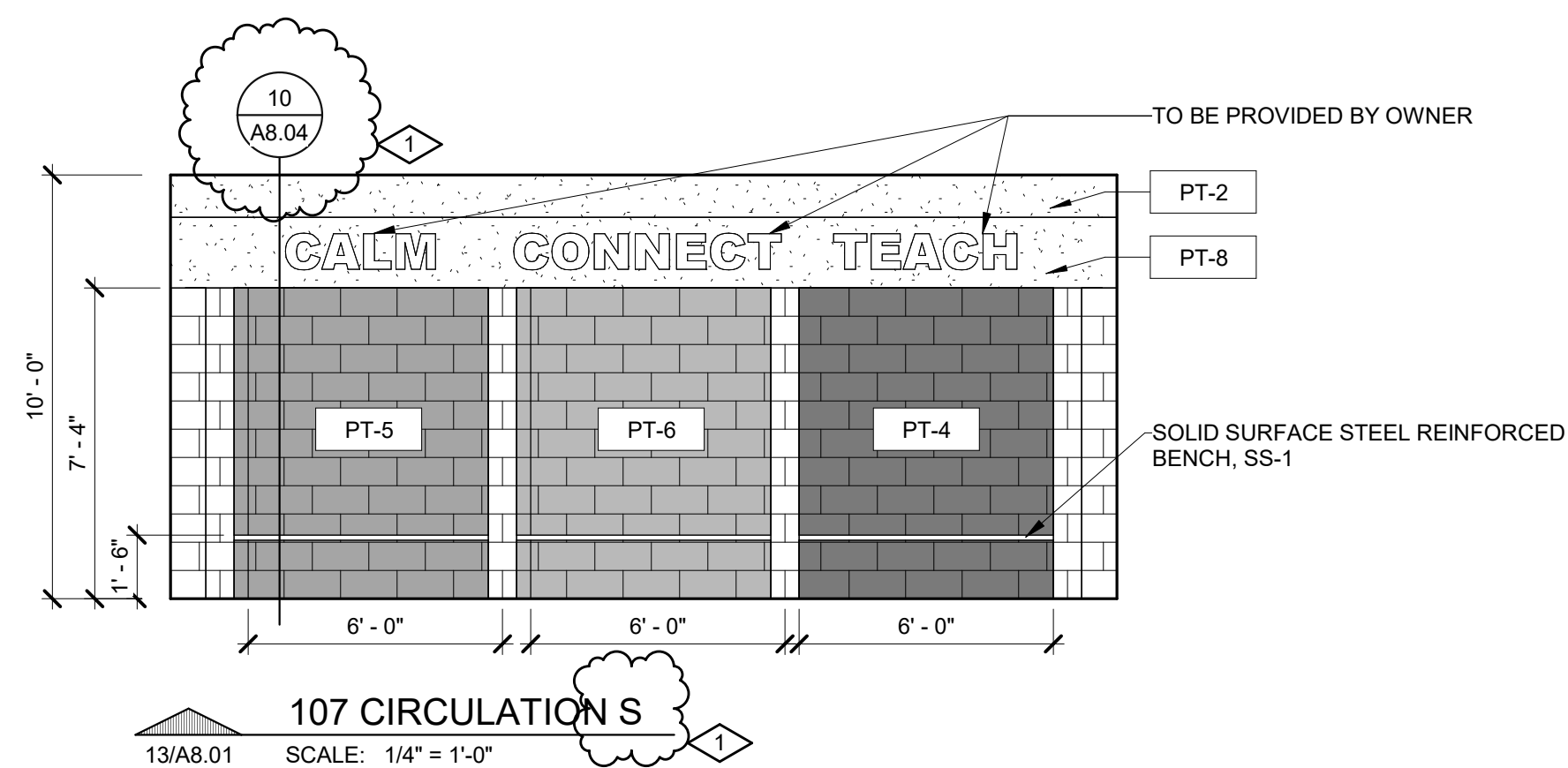
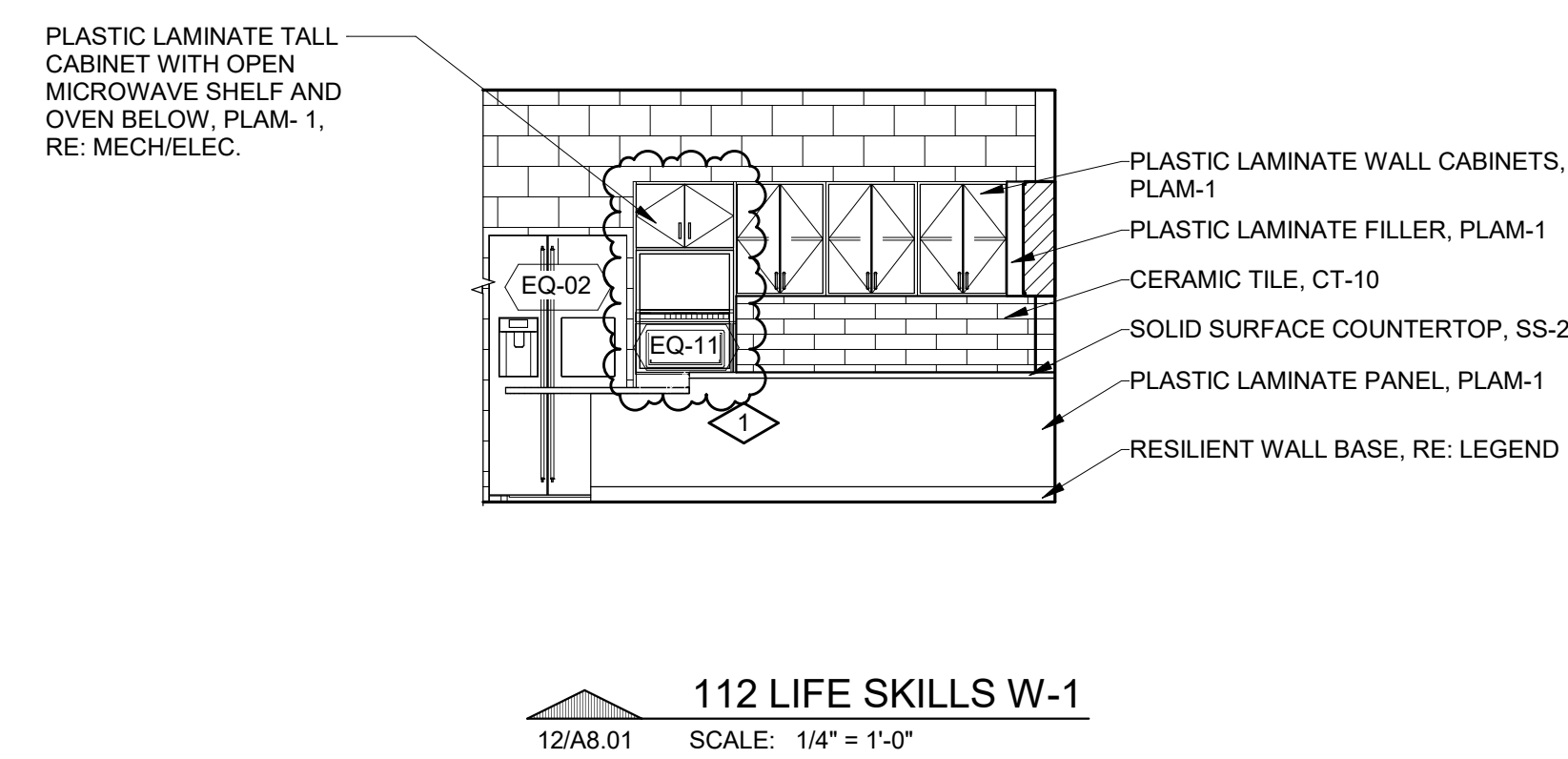
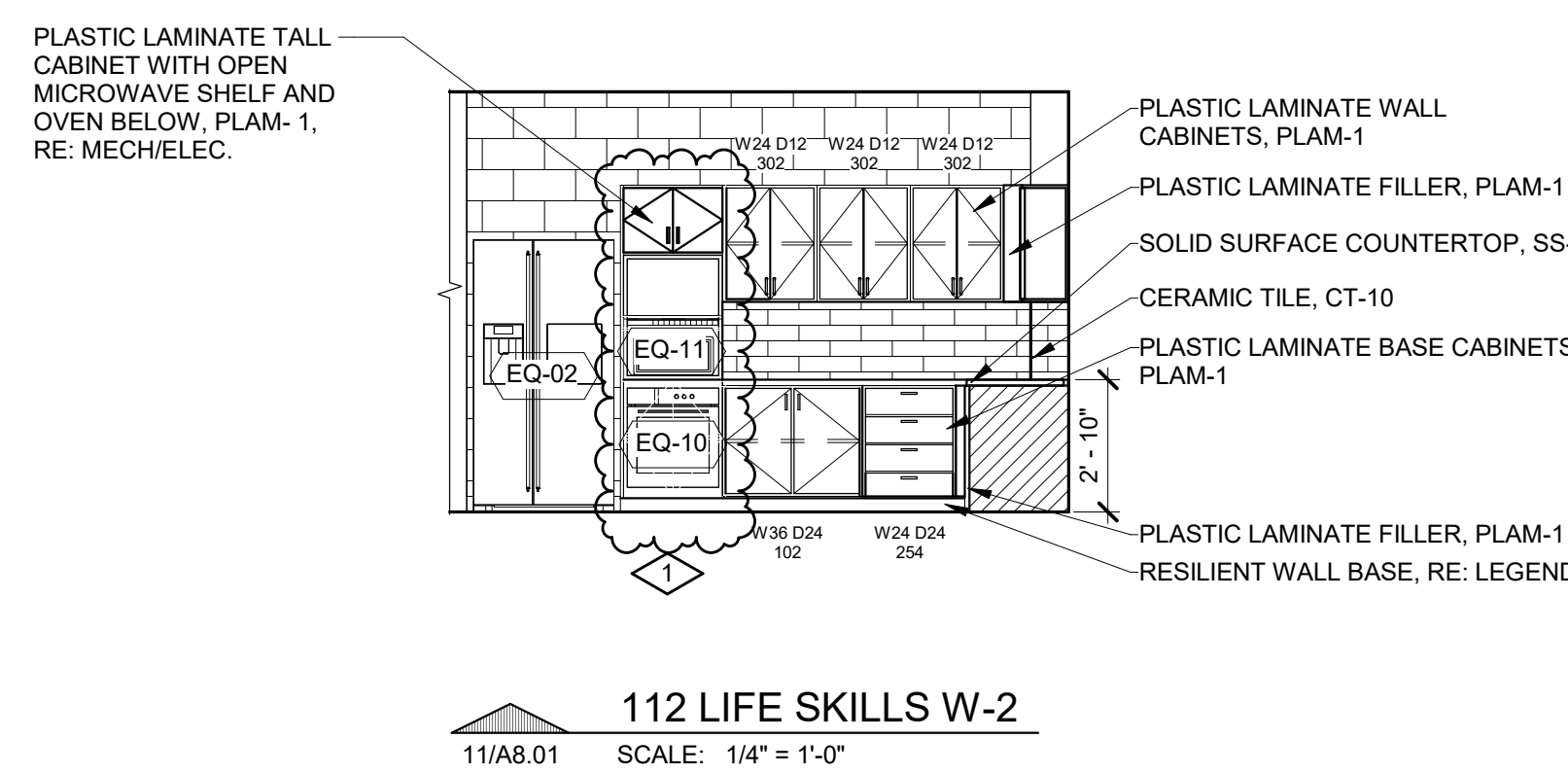
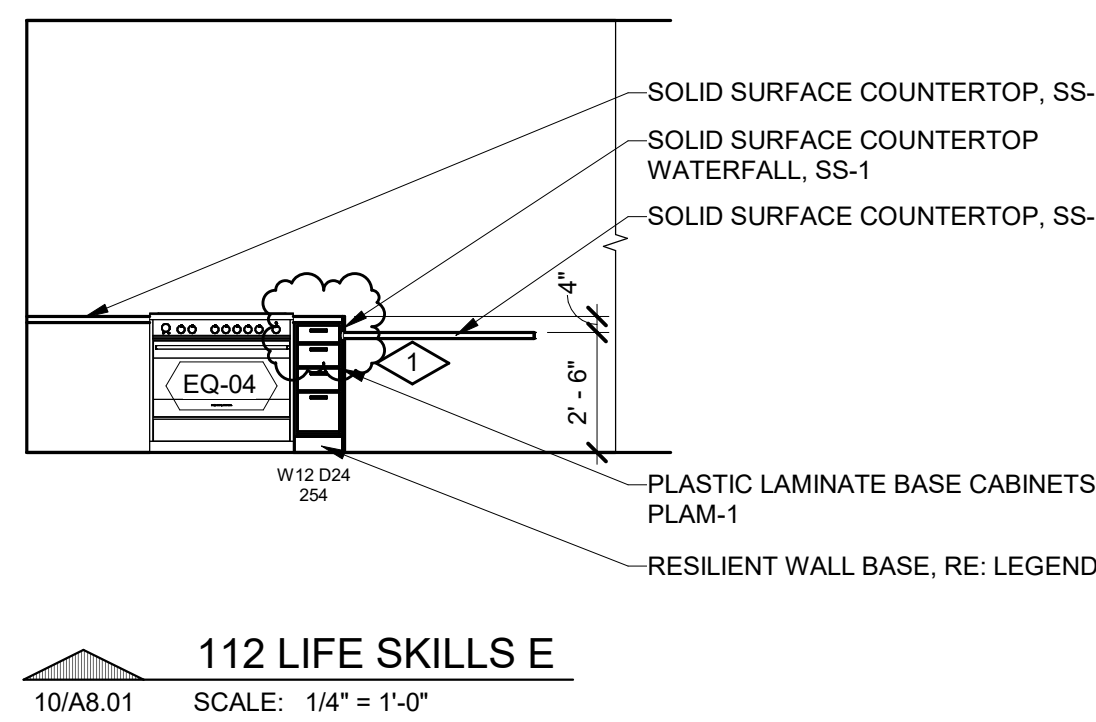
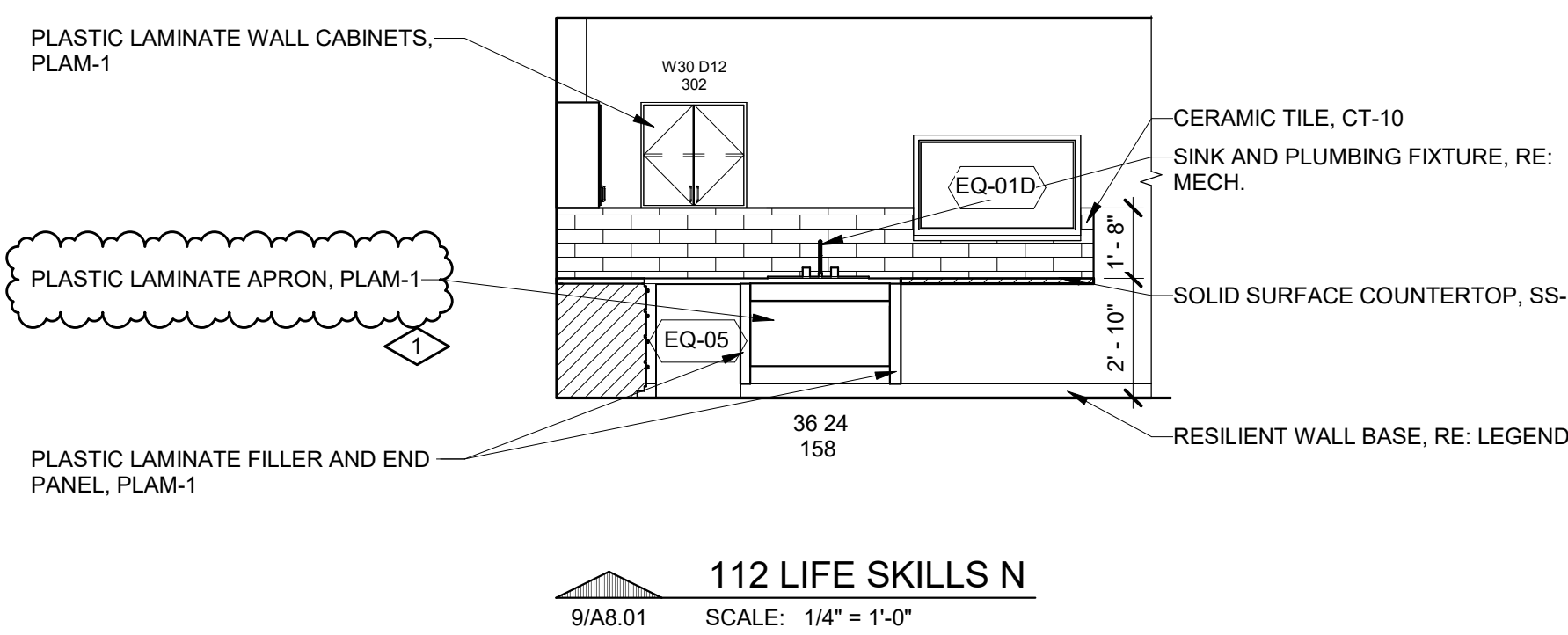
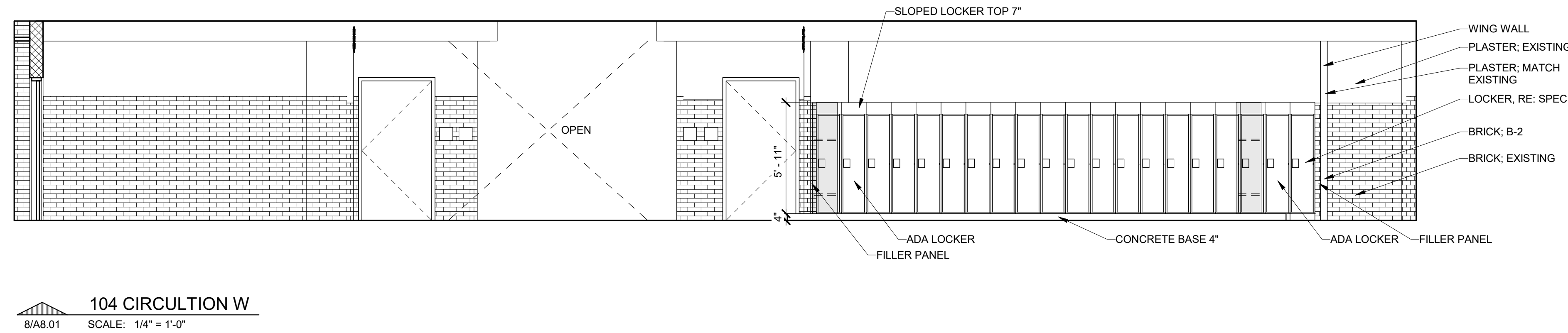
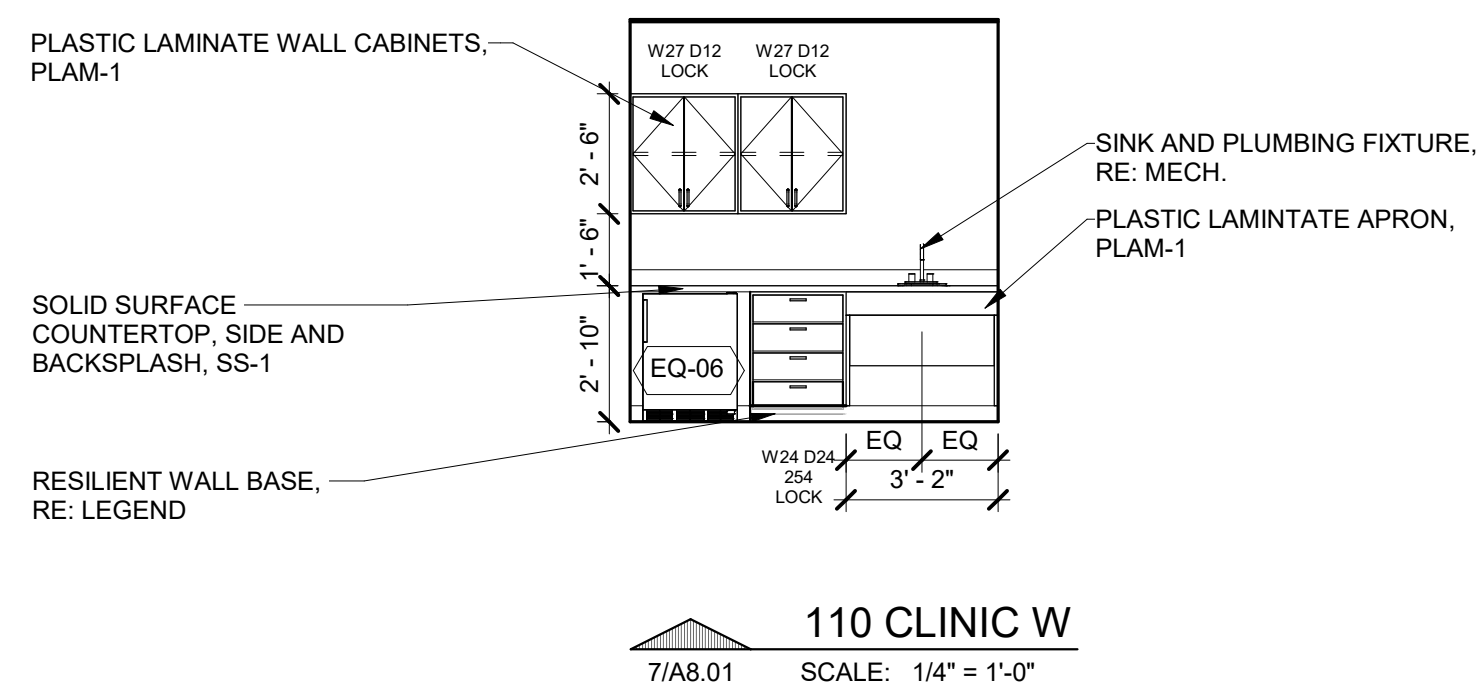
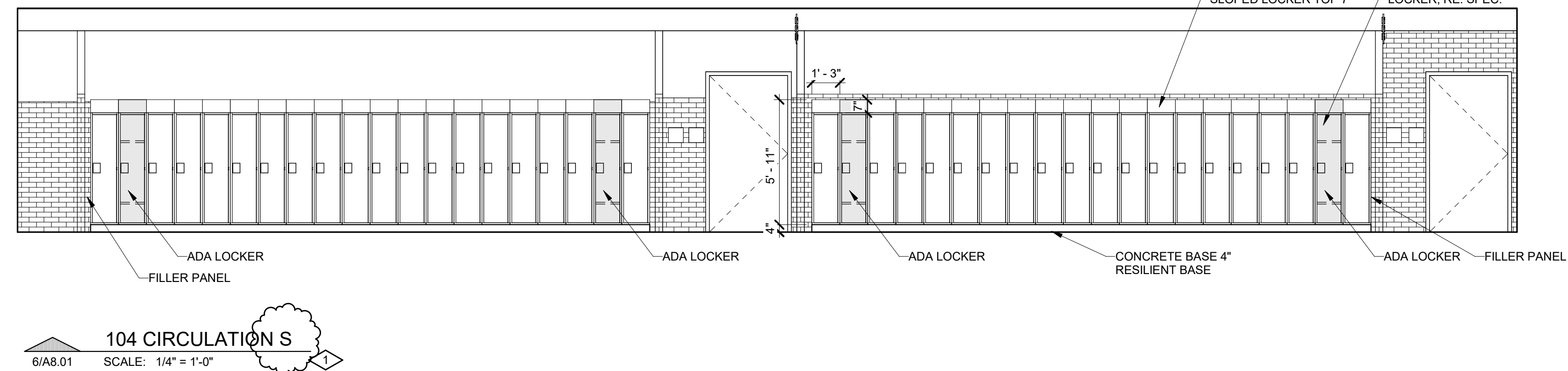
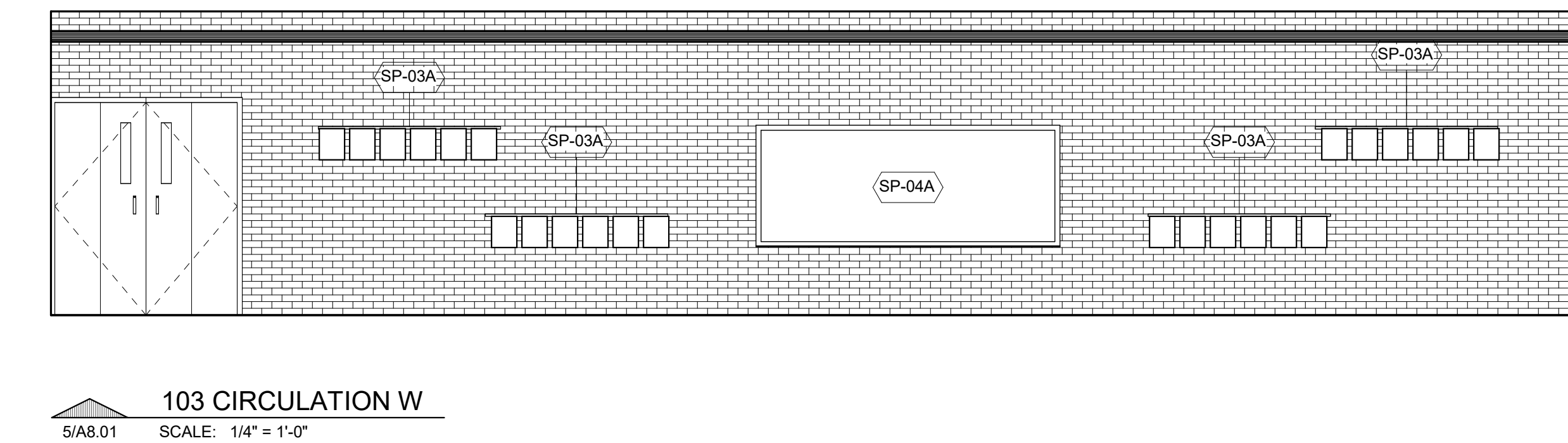
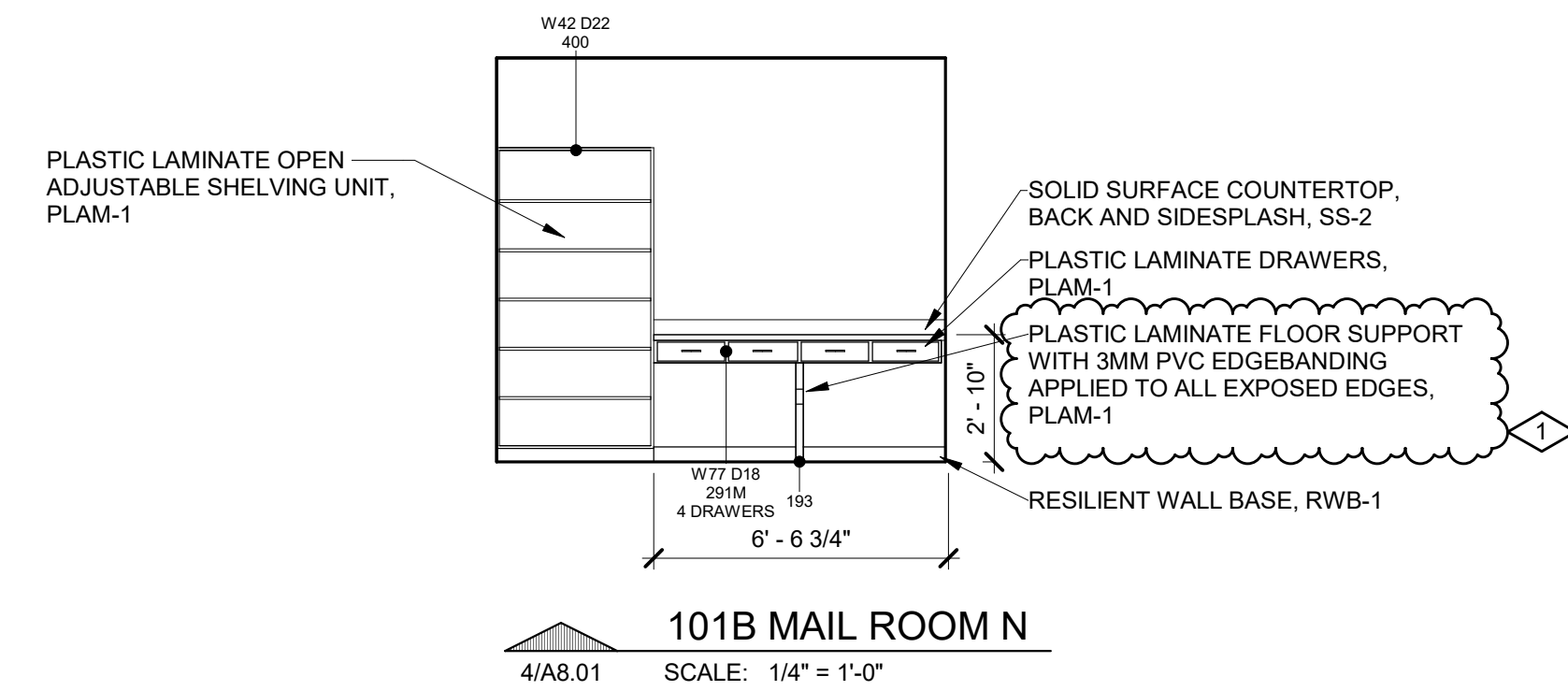
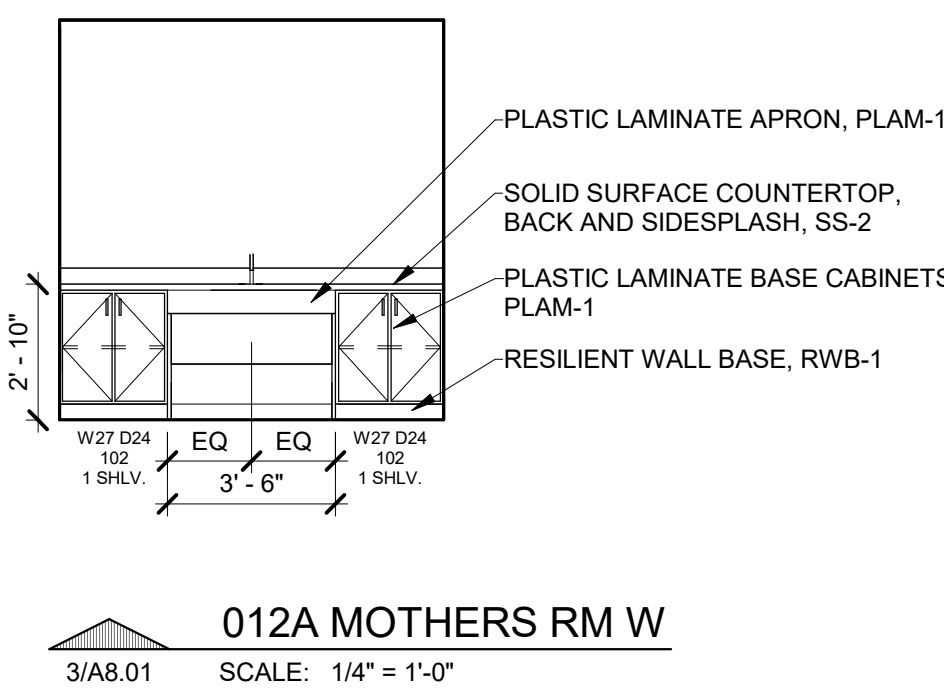
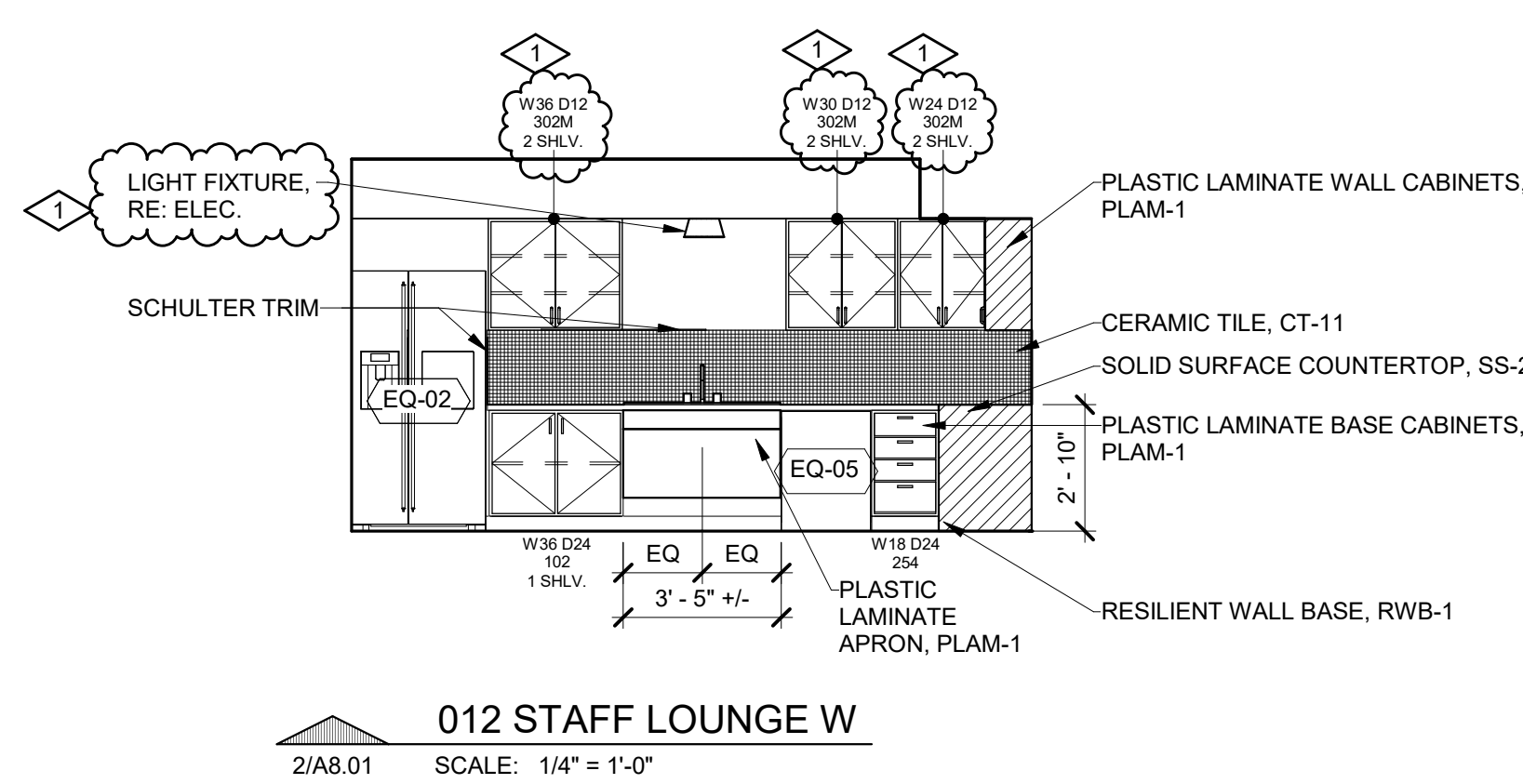
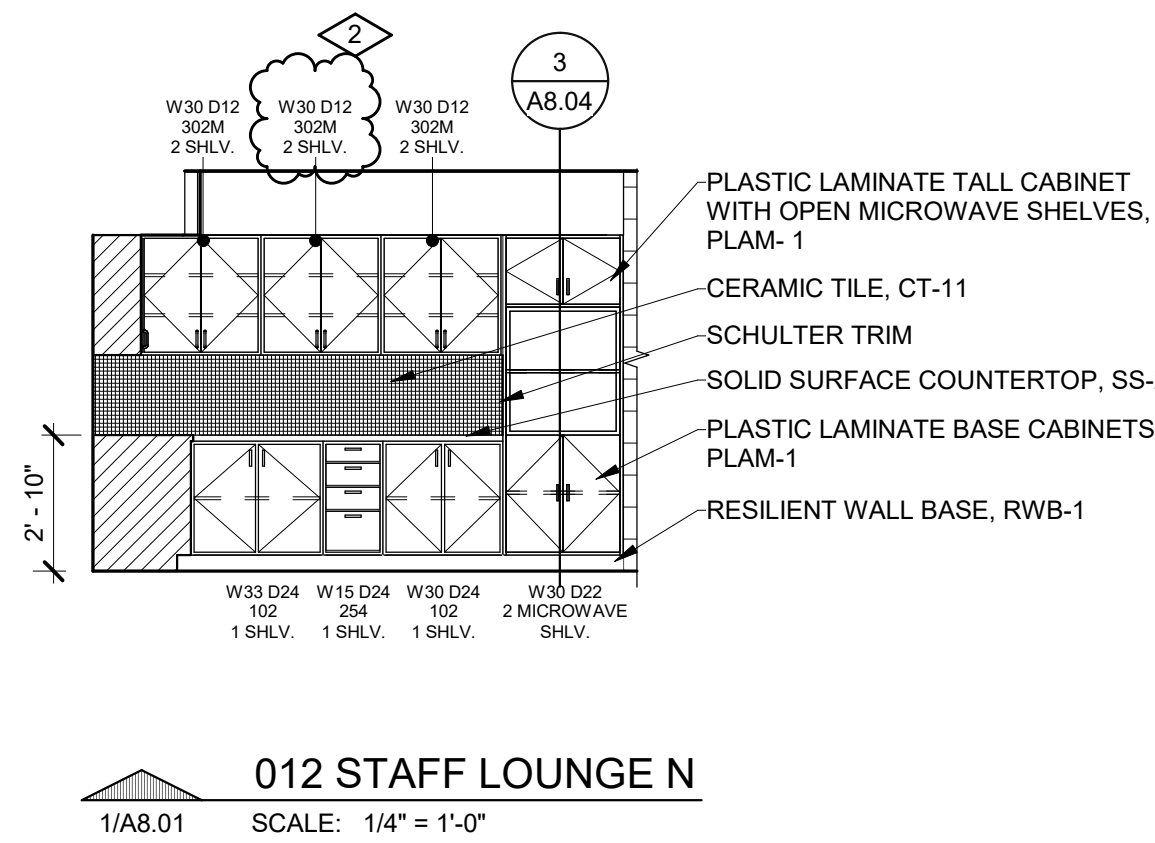
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
WALL SECTIONS

PROJECT NUMBER 2022006.1	SHEET NUMBER A7.04
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JMJ	



SPECIALTIES SCHEDULE						
ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
SP-01	MARKERBOARD	4'-0"	4'-0"	G.C.	G.C.	
SP-01A	MARKERBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-01B	GLASS MARKERBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-02	TACKBOARD	4'-0"	4'-0"	G.C.	G.C.	
SP-02A	TACKBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-02B	TACKBOARD	4'-0"	8'-0"	G.C.	G.C.	
SP-03A	ART HANGING SYSTEM	0'-1"	6'-0"	G.C.	G.C.	
SP-03B	ART HANGING SYSTEM	0'-1"	2'-0"	G.C.	G.C.	
SP-04	CLIMBING WALL			G.C.	G.C.	REFER TO FINISH PLANS FOR FLOORING NOTES

EQUIPMENT SCHEDULE						
ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-01A	TELEVISION			OWNER	G.C.	
EQ-01B	TELEVISION			OWNER	G.C.	
EQ-01C	TELEVISION			OWNER	G.C.	
EQ-01D	TELEVISION			OWNER	G.C.	
EQ-02	REFRIGERATOR			OWNER	G.C.	
EQ-03A	LIGHT DISPLAY BOARDS			G.C.	G.C.	WALL MOUNTED
EQ-03B	LIGHT DISPLAY BOARDS			G.C.	G.C.	CEILING/FLOOR MOUNTED
EQ-04	STOVE			OWNER	G.C.	
EQ-05	DISHWASHER			OWNER	G.C.	
EQ-06	UNDERCOUNTER REFRIGERATOR			OWNER	G.C.	
EQ-07	COPPER			OWNER	G.C.	
EQ-08	WASHER			OWNER	G.C.	
EQ-09	DRYER			OWNER	G.C.	
EQ-10	WALL OVEN			OWNER	G.C.	
EQ-11	MICROWAVE			OWNER	G.C.	

## CASEWORK GENERAL NOTES:

- 1 1/2" FILLR PANELS SHALL OCCUR AT THE WALL AT ALL CAINET LOCATIONS ABUTTING A WALL U.O.N.
- WHEN FILLER PANELS ARE REQUIRED AT BOTH ENDS OF CASEWORK TERMINATION, BOTH FILLER PANELS SHALL BE EQUAL WIDTH.
- PROVIDE 4" BACKSPLASH AND SIDE SPLASH AT ALL COUNTERTOPS WITH SINKS, UNLESS NOTED OTHERWISE.
- COORDINATE ROUGH-IN FOR ELECTRICAL OUTLETS, SWITCHES AND UNDER CABINET LIGHTING WITH ELECTRICAL DRAWINGS.
- CONTRACTOR TO VERIFY MEP AND DIMENSIONAL ROUGH-IN REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT AND APPLIANCES.
- PROVIDE 4" TOE-KICK, TYPICAL U.O.N.
- PROVIDE GROMMETS IN COUNTERTOP AS REQUIRED BY THE OWNER. FIELD VERIFY LOCATIONS.
- PROVIDE 2" RADIUS AT THE END OF EXPOSED COUNTERTOPS U.O.N.
- PROVIDE WALL BRACKET SUPPORTS 30" O.C. TO SUPPORT COUNTERTOP AT CONTINUOUS KNEE SPACE.
- PROVIDE LOCKS ON ALL CASEWOK DOORS AND DRAWERS.
- PROVIDE QUANTITY OF SHELVES PER UNIT AS INDICATED ON DRAWING.

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE

WTA ARCHITECTS

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

WTAARCH.COM

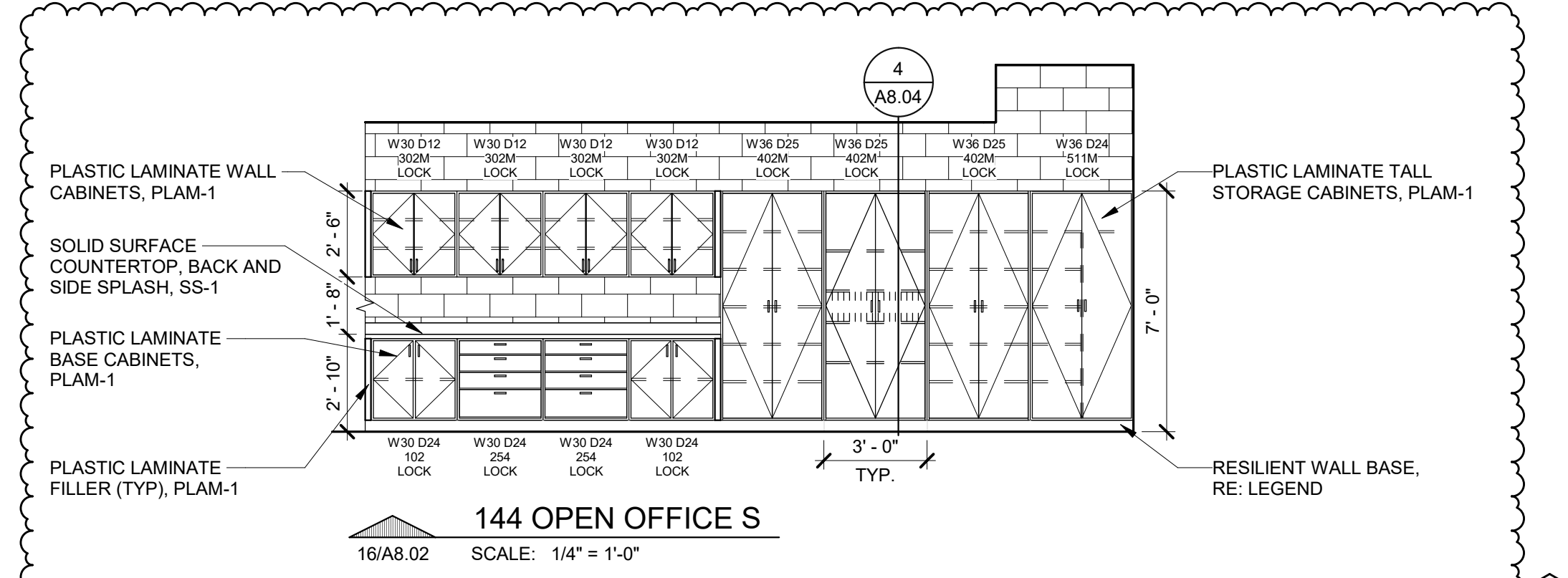
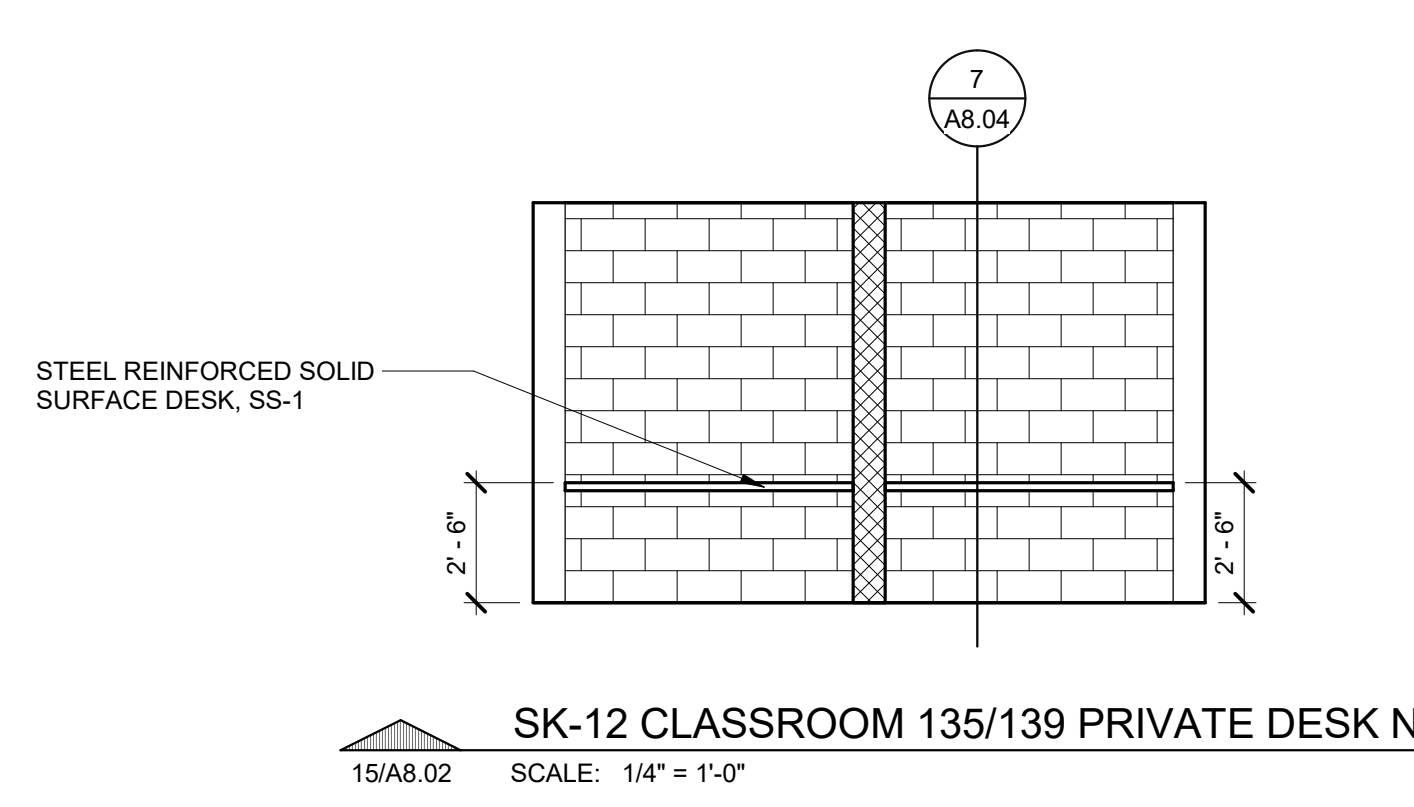
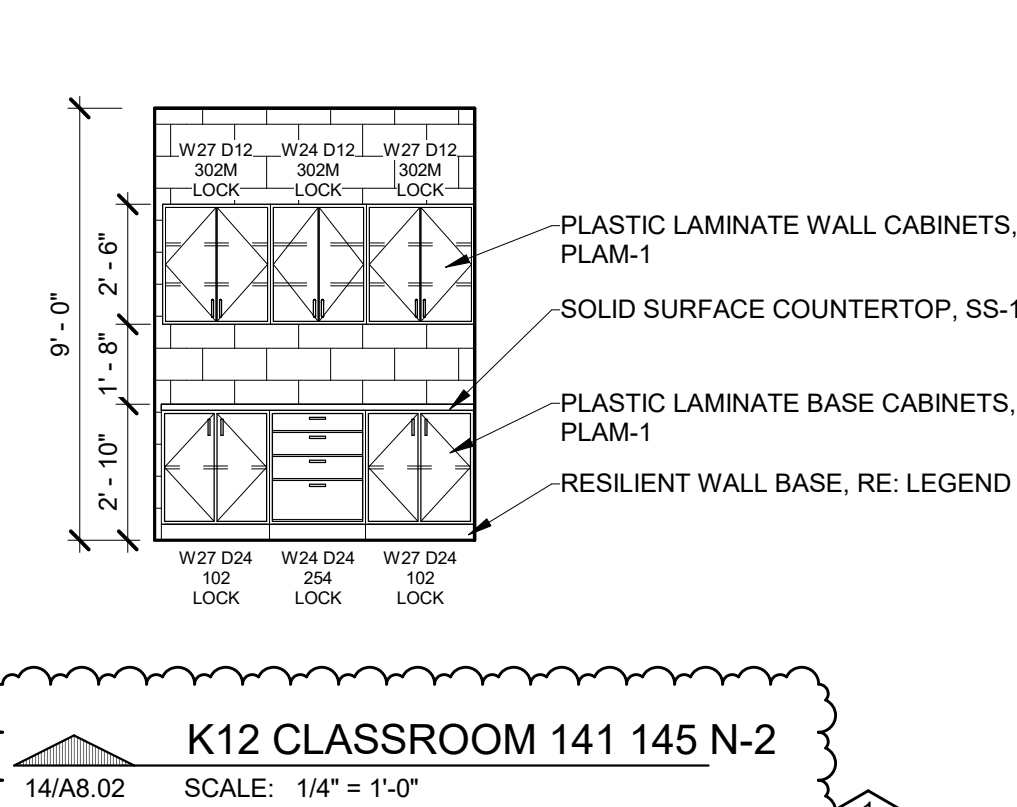
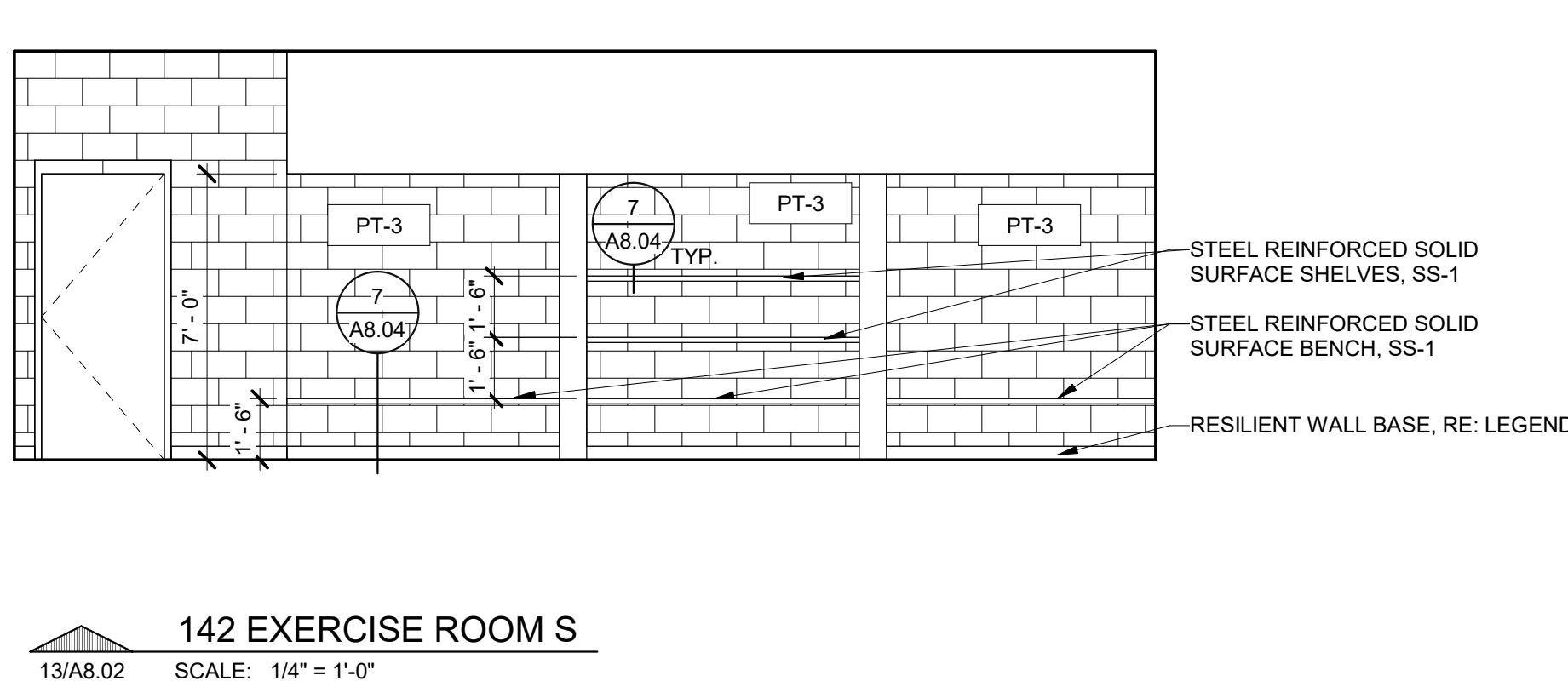
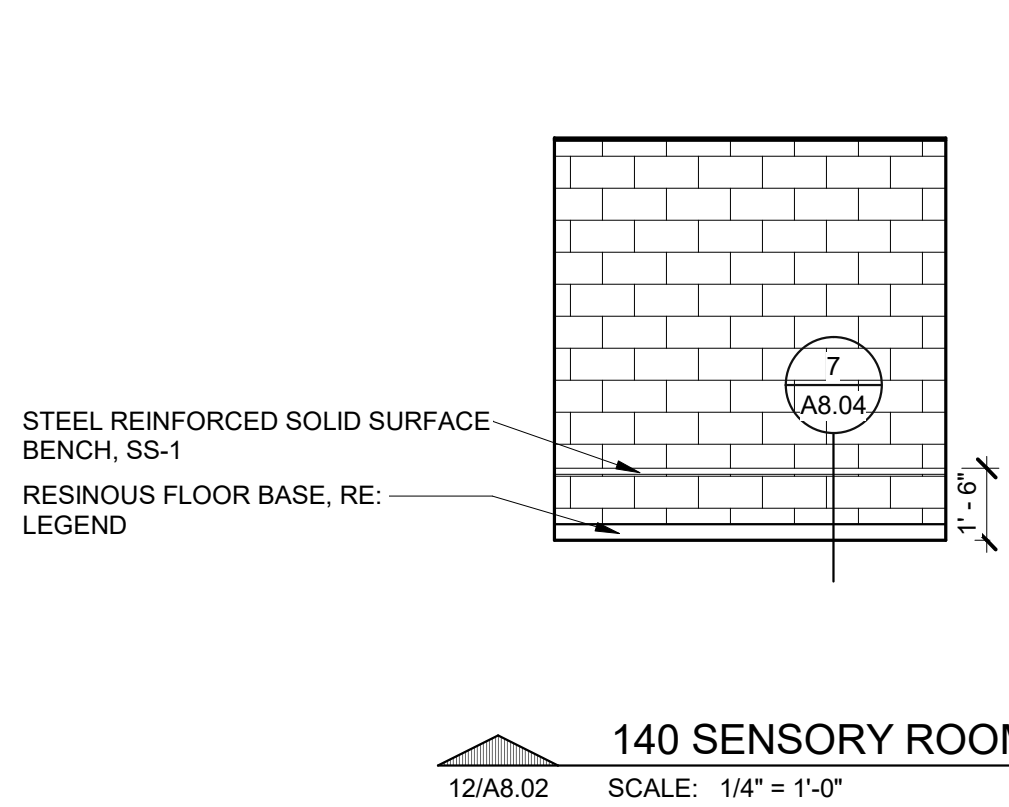
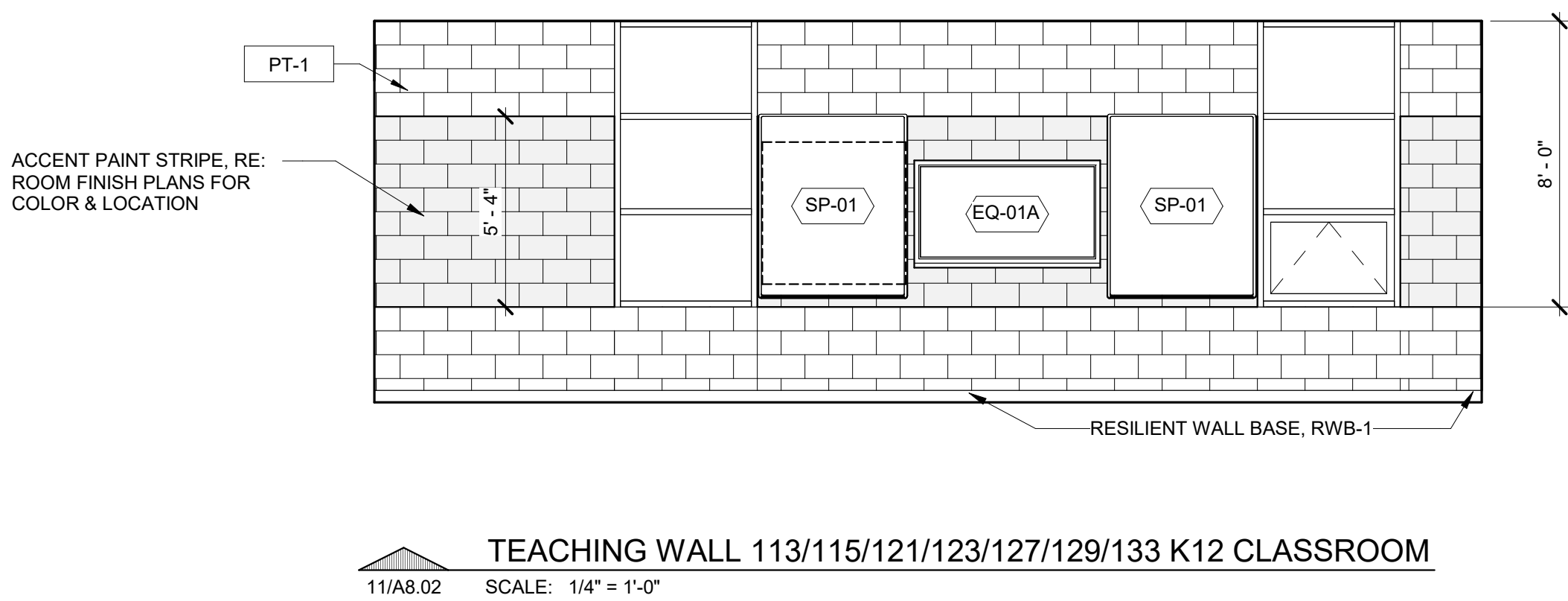
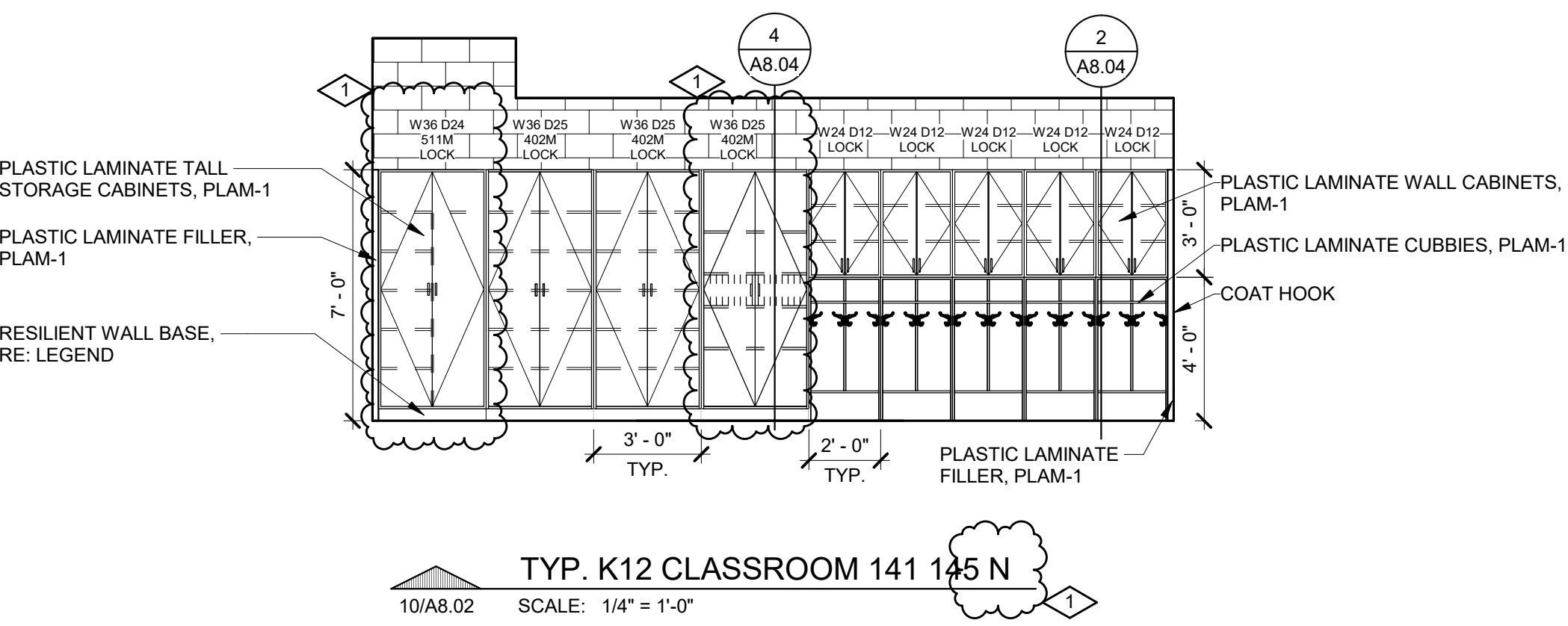
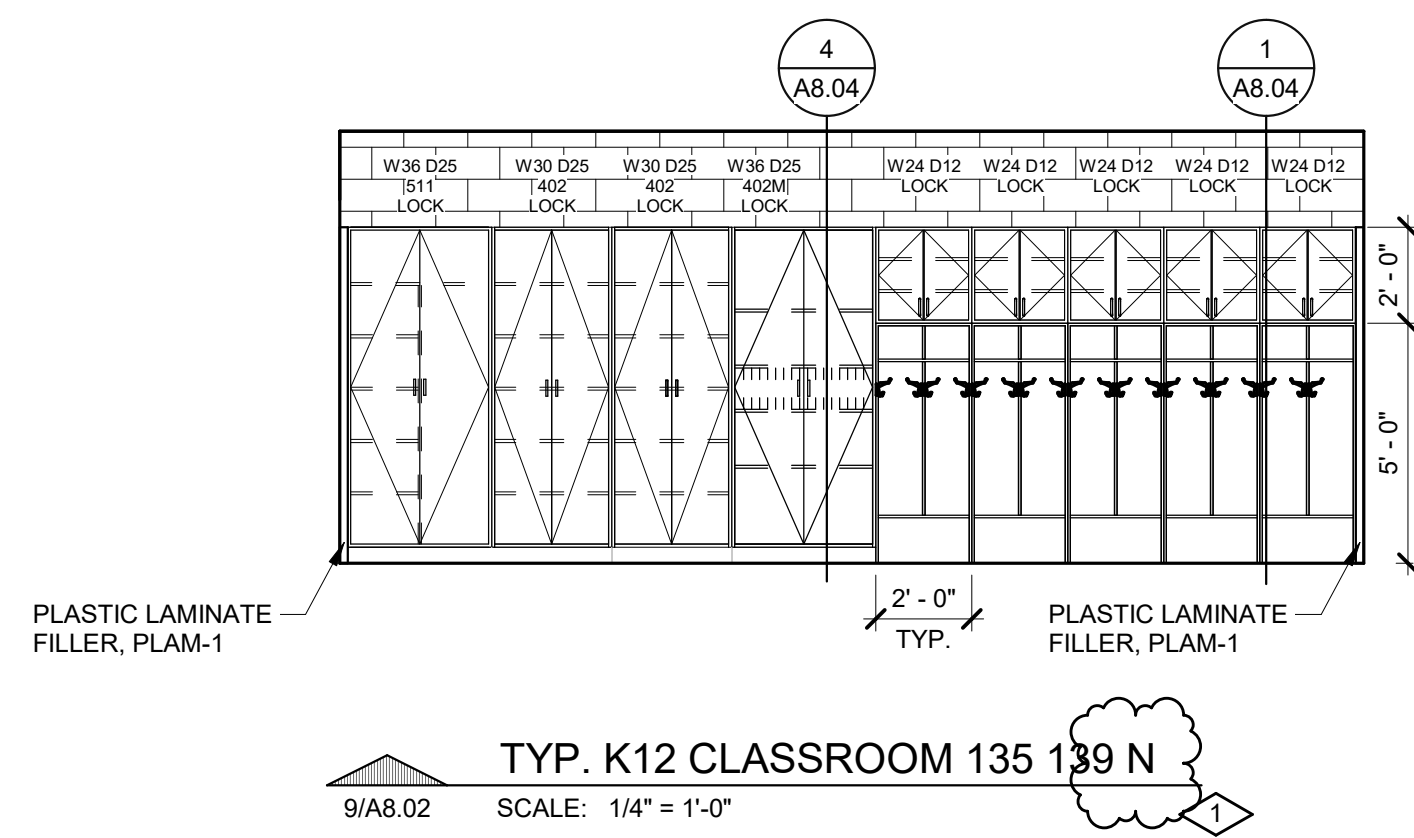
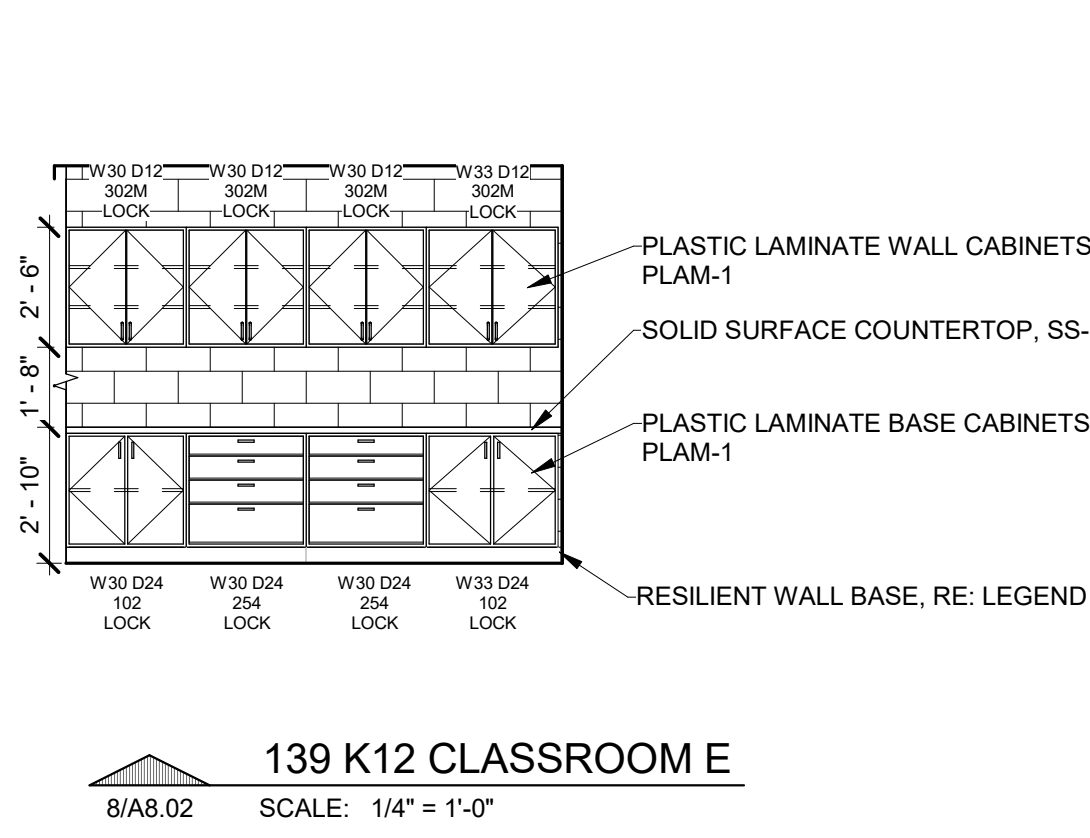
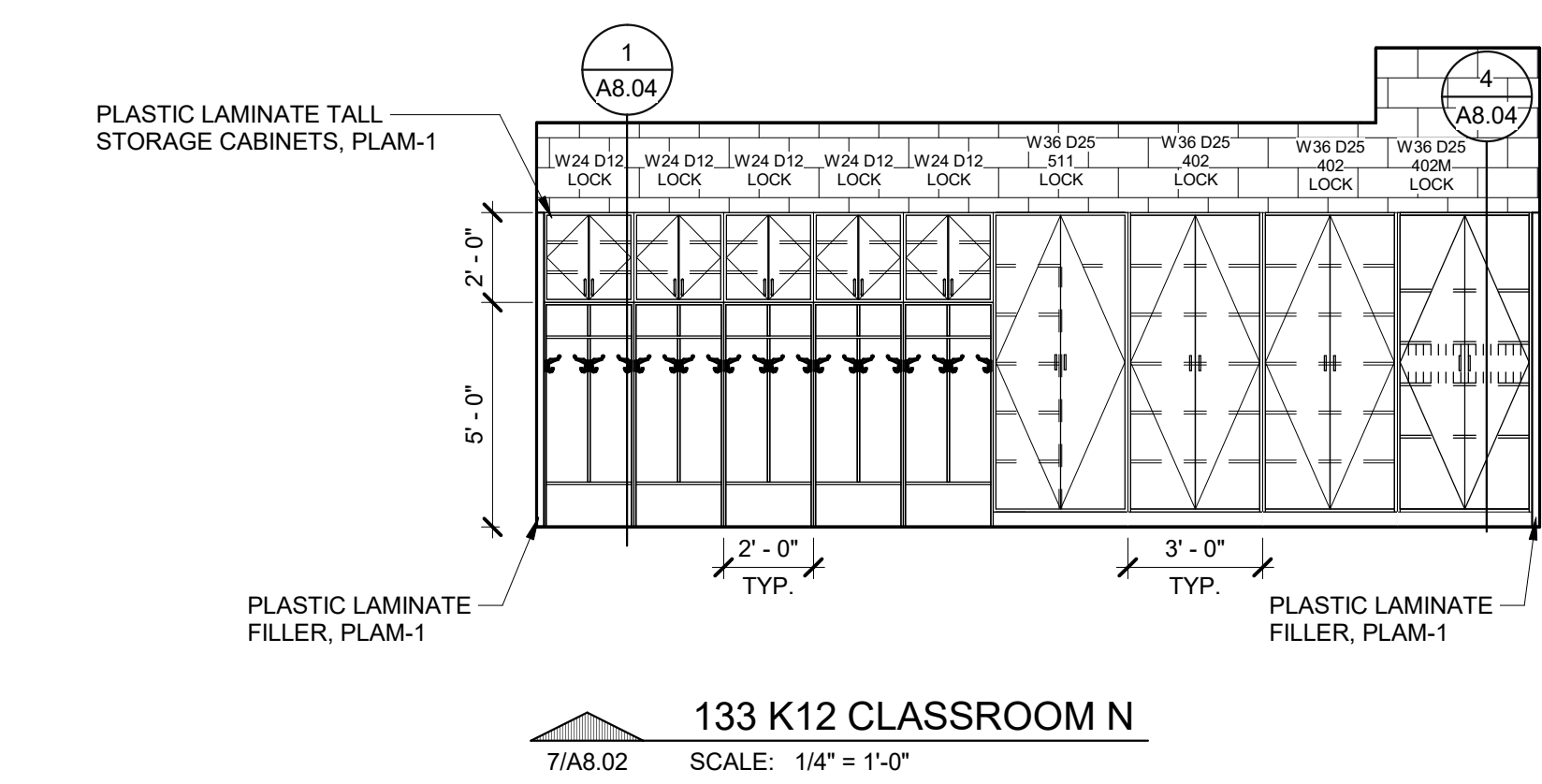
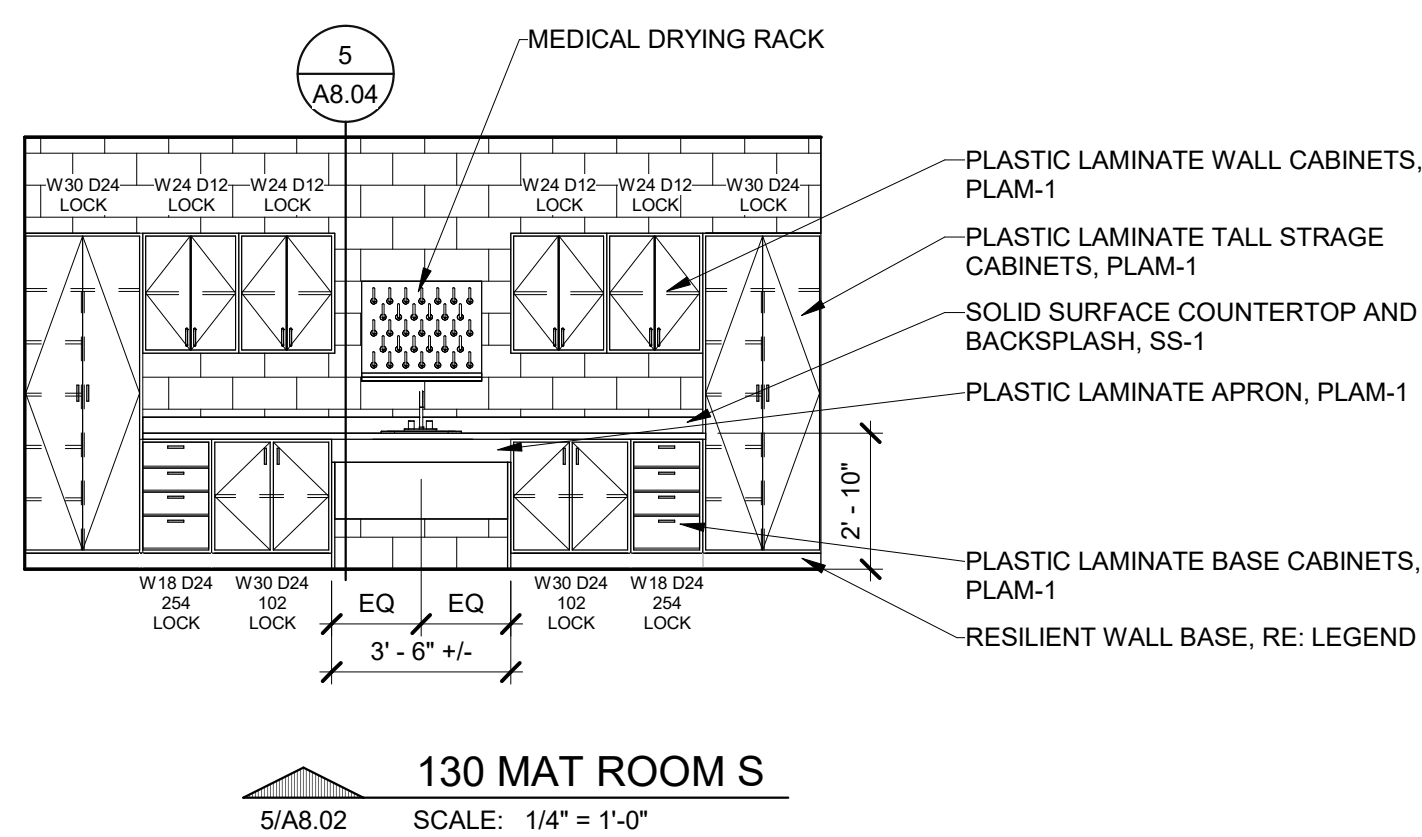
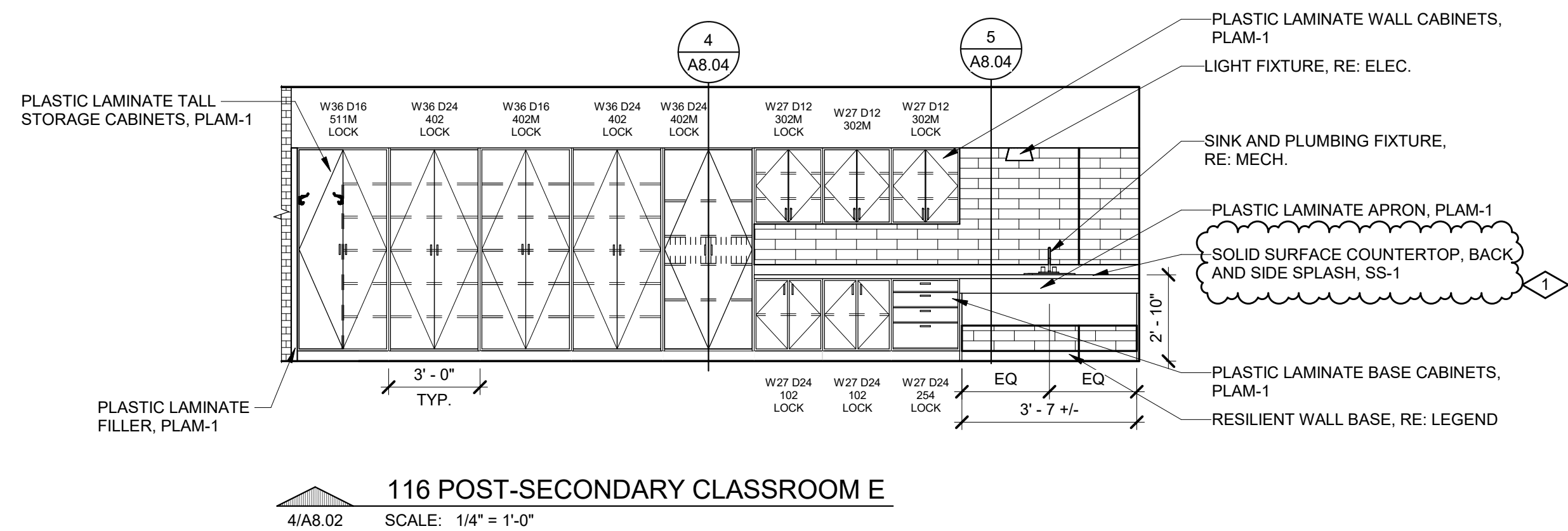
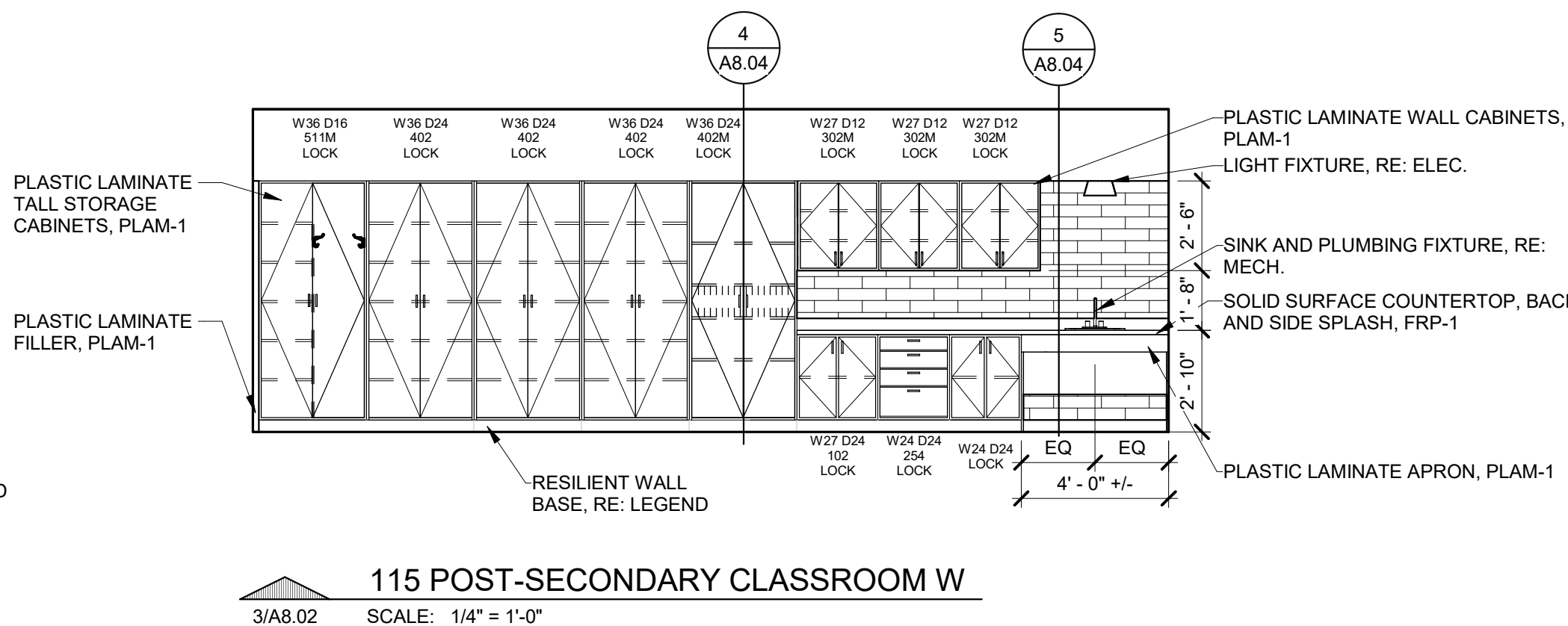
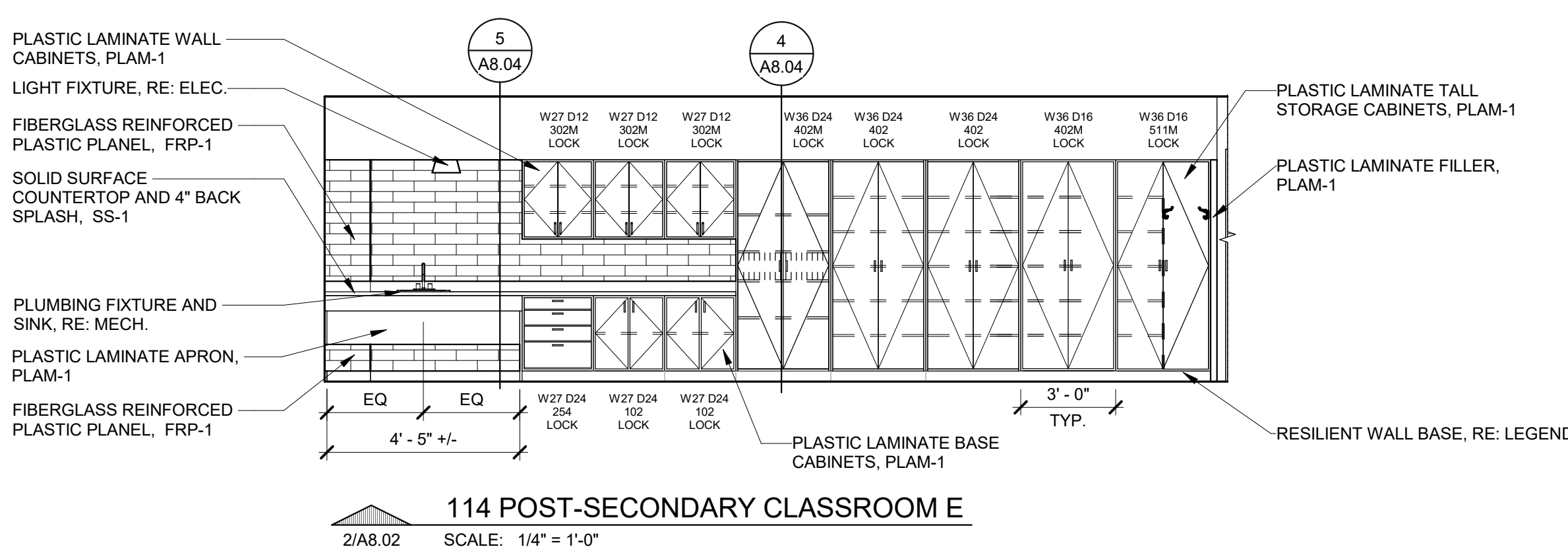
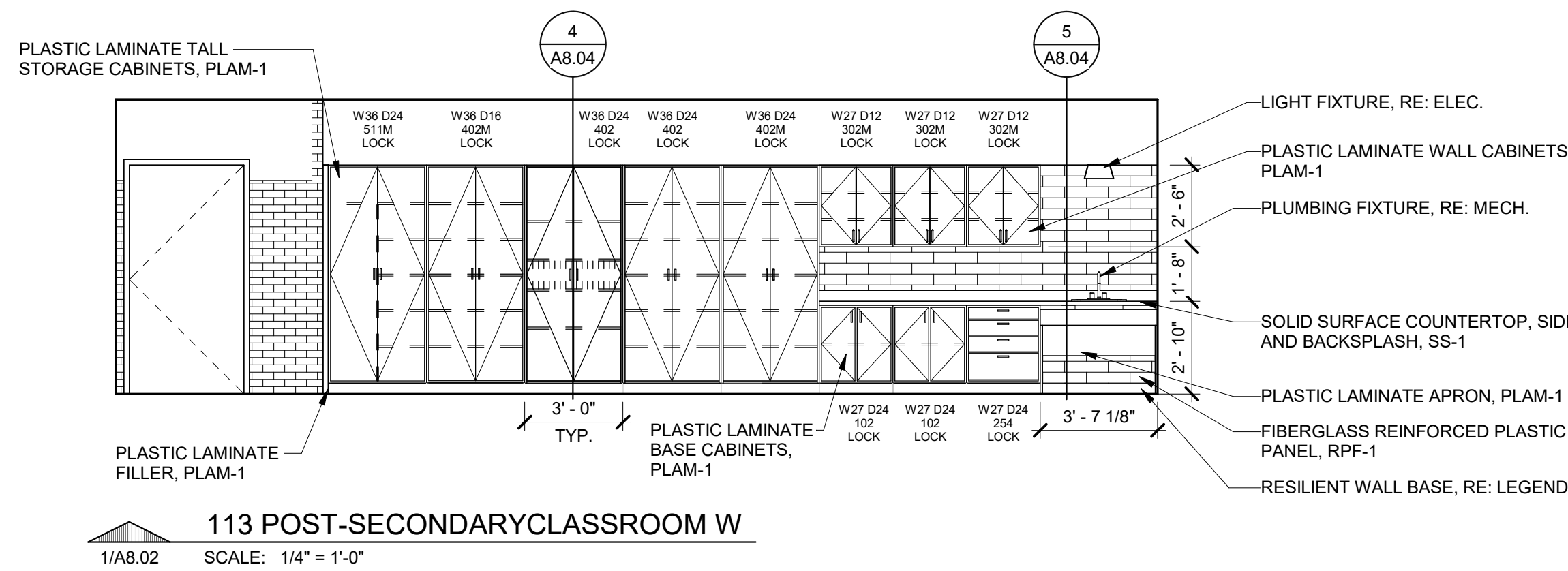
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
INTERIOR ELEVATIONS

PROJECT NUMBER 2022006.1	SHEET NUMBER A8.01
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JMJ	



# CASEWORK GENERAL NOTES:

- 1 1/2" FILLER PANELS SHALL OCCUR AT THE WALL AT ALL CAINET LOCATIONS ABUTTING A WALL U.O.N.
- WHEN FILLER PANELS ARE REQUIRED AT BOTH ENDS OF CASEWORK TERMINATION, BOTH FILLER PANELS SHALL BE EQUAL WIDTH.
- PROVIDE 4" BACKSPLASH AND SIDE SPLASH AT ALL COUNTERTOPS WITH SINKS, UNLESS NOTED OTHERWISE.
- COORDINATE ROUGH-IN FOR ELECTRICAL OUTLETS, SWITCHES AND UNDER CABINET LIGHTING WITH ELECTRICAL DRAWINGS.
- CONTRACTOR TO VERIFY MEP AND DIMENSIONAL ROUGH-IN REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT AND APPLIANCES.
- PROVIDE 4" TOE-KICK, TYPICAL U.O.N.
- PROVIDE GROMMETS IN COUNTERTOPD AS REQUIRED BY THE OWNER. FIELD VERIFY LOCATIONS.
- PROVIDE 2" RADIUS AT THE END OF EXPOSED COUNTERTOPS U.O.N.
- CONTRACTOR TO VERIFY MECHANICAL SUPPORTS 30" O.C. TO SUPPORT COUNTERTOP AT CONTINUOUS KNEE SPACE.
- PROVIDE LOCKS ON ALL CASEWOK DOORS AND DRAWERS.
- PROVIDE QUANTITY OF SHELVES PER UNIT AS INDICATED ON DRAWING.

2	ADDENDUM NO. 2	09/08/23
1	ADDENDUM NO. 1	08/31/23
	ISSUED FOR BID	08/23/23

NO.	REVISION	DATE
-----	----------	------

**WTA ARCHITECTS**  
100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

WTAAARCH.COM  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
INTERIOR ELEVATIONS

PROJECT NUMBER  
2022006.1

PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

SHEET NUMBER

A8.02

## SPECIALTIES SCHEDULE

ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
SP-01	MARKERBOARD	4'-0"	4'-0"	G.C.	G.C.	
SP-01A	MARKERBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-01B	GLASS MARKERBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-02	TACKBOARD	4'-0"	4'-0"	G.C.	G.C.	
SP-02A	TACKBOARD	4'-0"	6'-0"	G.C.	G.C.	
SP-02B	TACKBOARD	4'-0"	8'-0"	G.C.	G.C.	
SP-03A	ART HANGING SYSTEM	0'-1"	6'-0"	G.C.	G.C.	
SP-04	CLIMBING WALL	4'-0"	4'-0"	G.C.	G.C.	

## EQUIPMENT SCHEDULE

ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-01A	TELEVISION			OWNER	G.C.	
EQ-01B	TELEVISION			OWNER	G.C.	
EQ-01C	TELEVISION			OWNER	G.C.	
EQ-01D	TELEVISION			OWNER	G.C.	
EQ-02	REFRIGERATOR			OWNER	G.C.	
EQ-03A	LIGHT DISPLAY BOARDS			G.C.	G.C.	WALL MOUNTED
EQ-03B	LIGHT DISPLAY BOARDS			G.C.	G.C.	CEILING/FLOOR MOUNTED
EQ-04	STOVE			OWNER	G.C.	
EQ-05	DISHWASHER			OWNER	G.C.	
EQ-06	UNDERCOUNTER REFRIGERATOR			OWNER	G.C.	
EQ-07	COPIER			OWNER	G.C.	
EQ-08	WASHER			OWNER	G.C.	
EQ-09	DRYER			OWNER	G.C.	
EQ-10	WALL OVEN			OWNER	G.C.	
EQ-11	MICROWAVE			OWNER	G.C.	

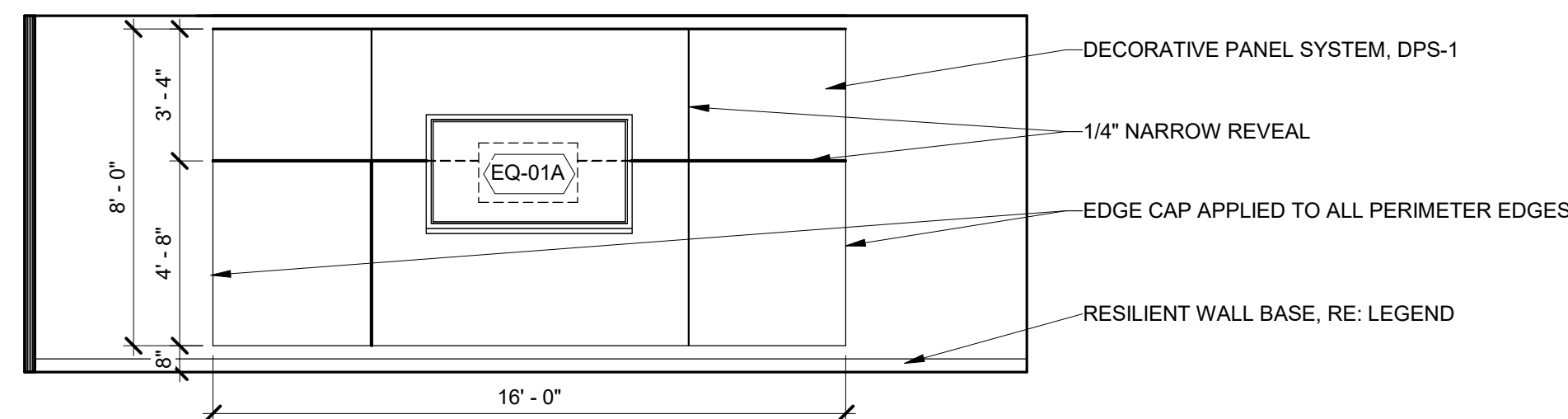


## TOILET ACCESSORIES SCHEDULE

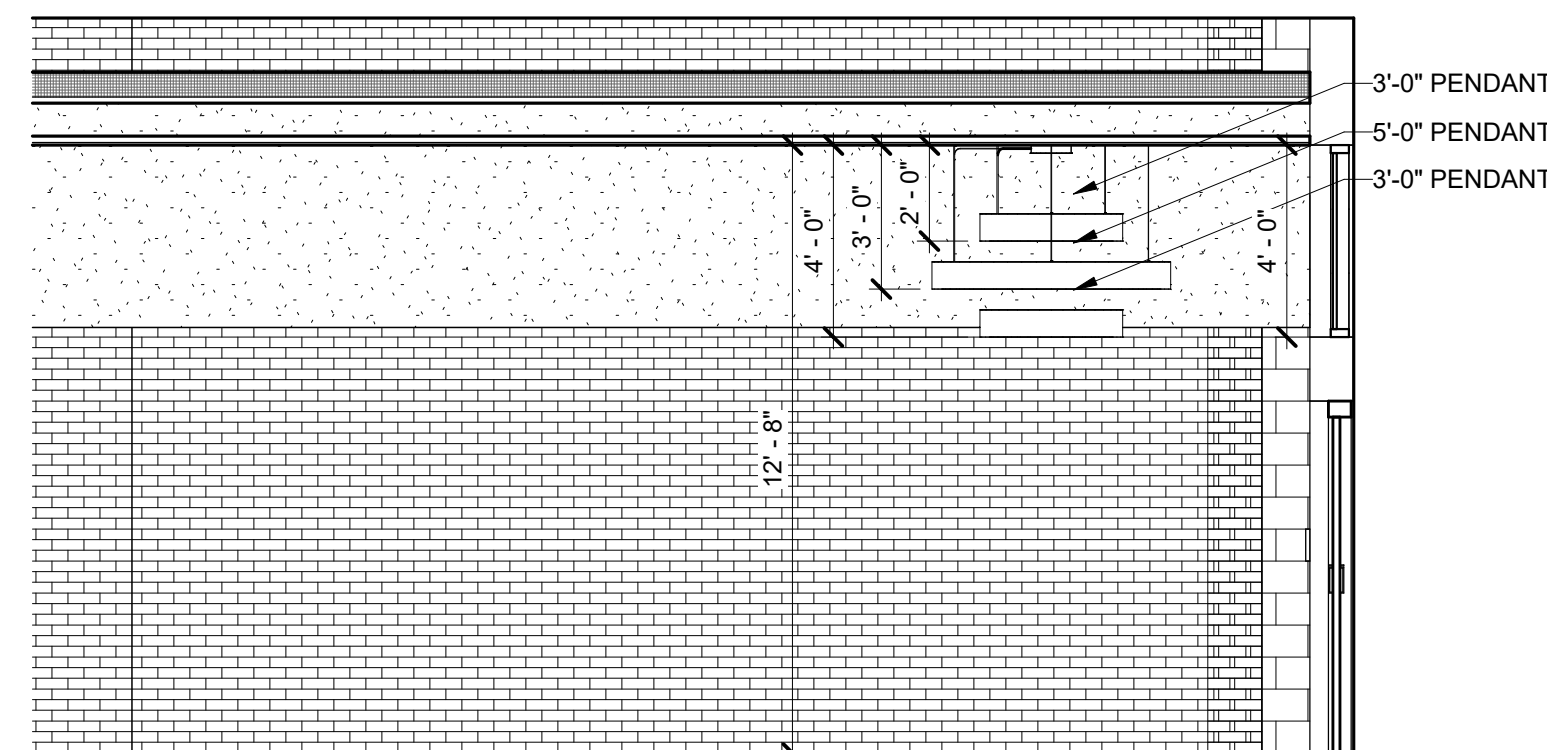
Type Mark	ITEM DESCRIPTION	FURNISHED BY	INSTALLED BY	COMMENTS
A	18" VERTICAL GRAB BAR	G.C.	G.C.	
B	36" GRAB BAR	G.C.	G.C.	
C	42" GRAB BAR	G.C.	G.C.	
D	TOILET PAPER DISPENSER	OWNER	G.C.	
F	PAPER TOWEL DISPENSER	OWNER	G.C.	
G	24 X 36 MIRROR	G.C.	G.C.	
H	SOAP DISPENSER	G.C.	G.C.	
I	SANITARY DISPOSAL	G.C.	G.C.	
J	ADA SHOWER SEAT	G.C.	G.C.	WALL MOUNTED
K	24 x 48 MIRROR	G.C.	G.C.	STAINLESS STEEL TRIM

## CASEWORK GENERAL NOTES:

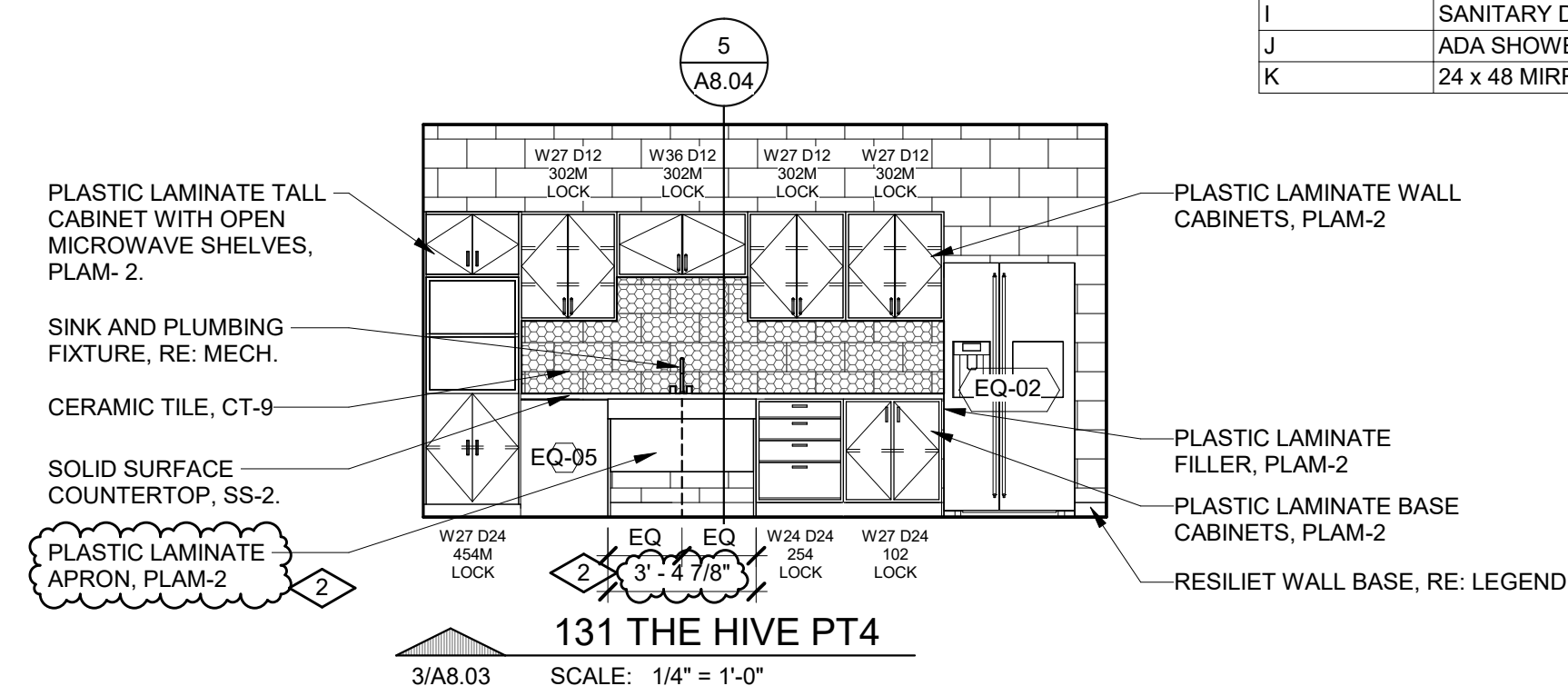
- 1 1/2" FILLR PANELS SHALL OCCUR AT THE WALL AT ALL CABINET LOCATIONS ABUTTING A WALL U.O.N.
- WHEN FILLER PANELS ARE REQUIRED AT BOTH ENDS OF CASEWORK TERMINATION, BOTH FILLER PANELS SHALL BE EQUAL WIDTH.
- PROVIDE 4" BACKSLASH AND SIDE SPLASH AT ALL COUNTERTOPS WITH SINKS, UNLESS NOTED OTHERWISE.
- COORDINATE ROUGH-IN FOR ELECTRICAL OUTLETS, SWITCHES AND UNDER CABINET LIGHTING WITH ELECTRICAL DRAWINGS.
- CONTRACTOR TO VERIFY MEP AND DIMENSIONAL ROUGH-IN REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT AND APPLIANCES.
- PROVIDE 4" TOE-KICK, TYPICAL U.O.N.
- PROVIDE GROMMETS IN COUNTERTOP AS REQUIRED BY THE OWNER. FIELD VERIFY LOCATIONS.
- PROVIDE 2" RADIUS AT THE END OF EXPOSED COUNTERTOPS U.O.N.
- PROVIDE WALL BRACKET SUPPORTS 30" O.C. TO SUPPORT COUNTERTOP AT CONTINUOUS KNEE SPACE.
- PROVIDE LOCKS ON ALL CASEWOK DOORS AND DRAWERS.
- PROVIDE QUANTITY OF SHELVES PER UNIT AS INDICATED ON DRAWING.



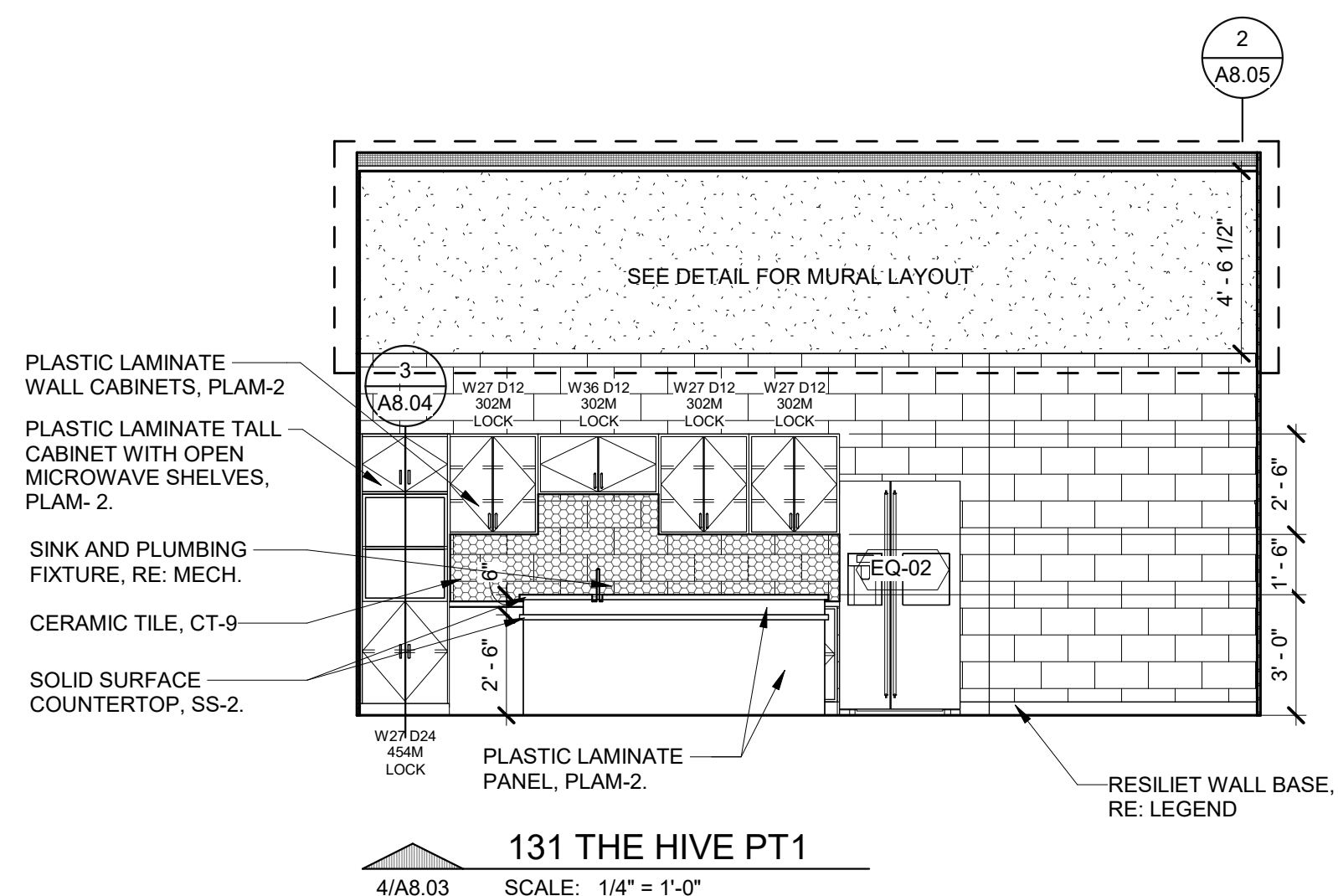
210 ADMIN CONFERENCE ROOM N  
1/A8.03 SCALE: 1/4" = 1'-0"



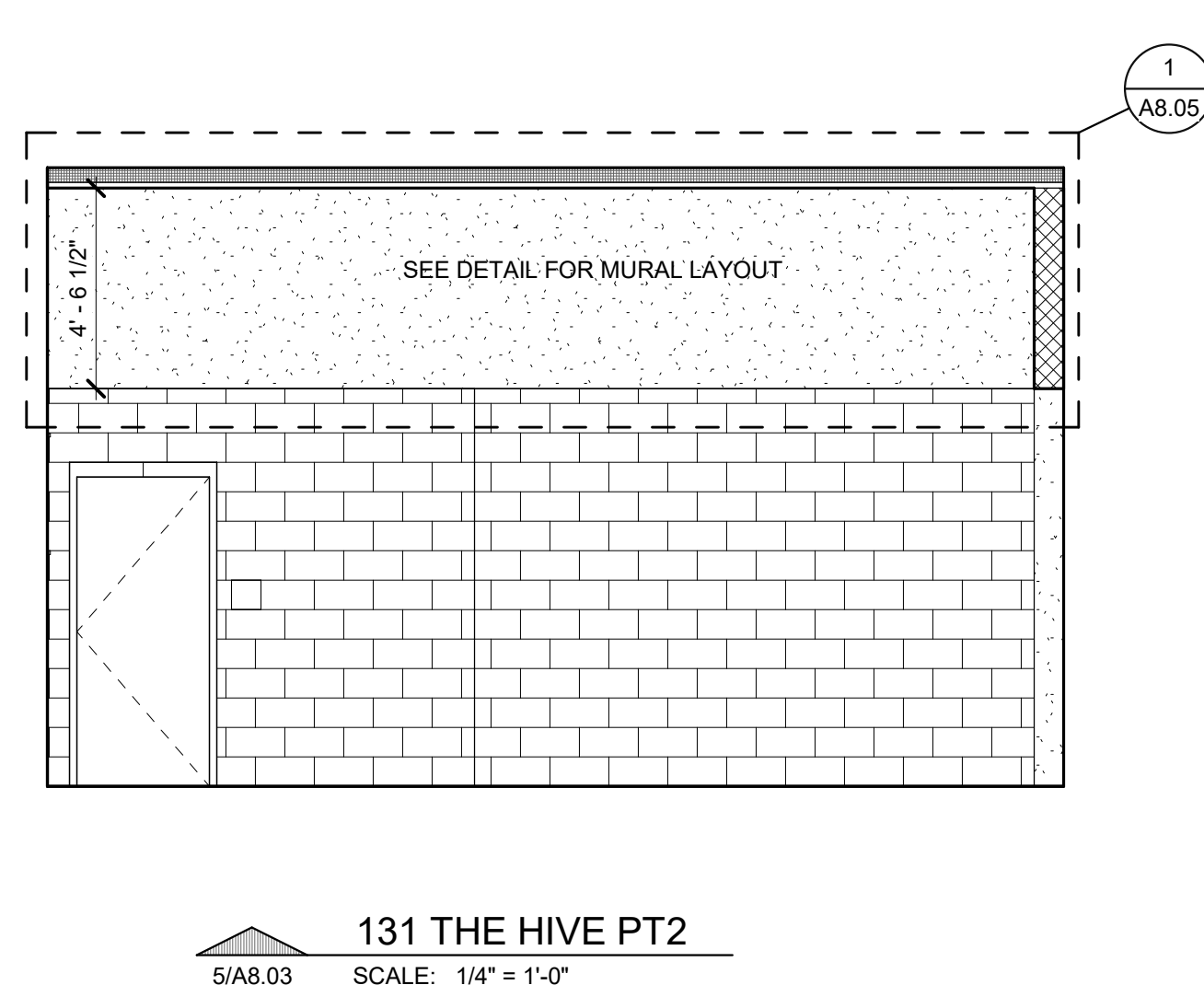
106 CIRCULATION N  
2/A8.03 SCALE: 1/4" = 1'-0"



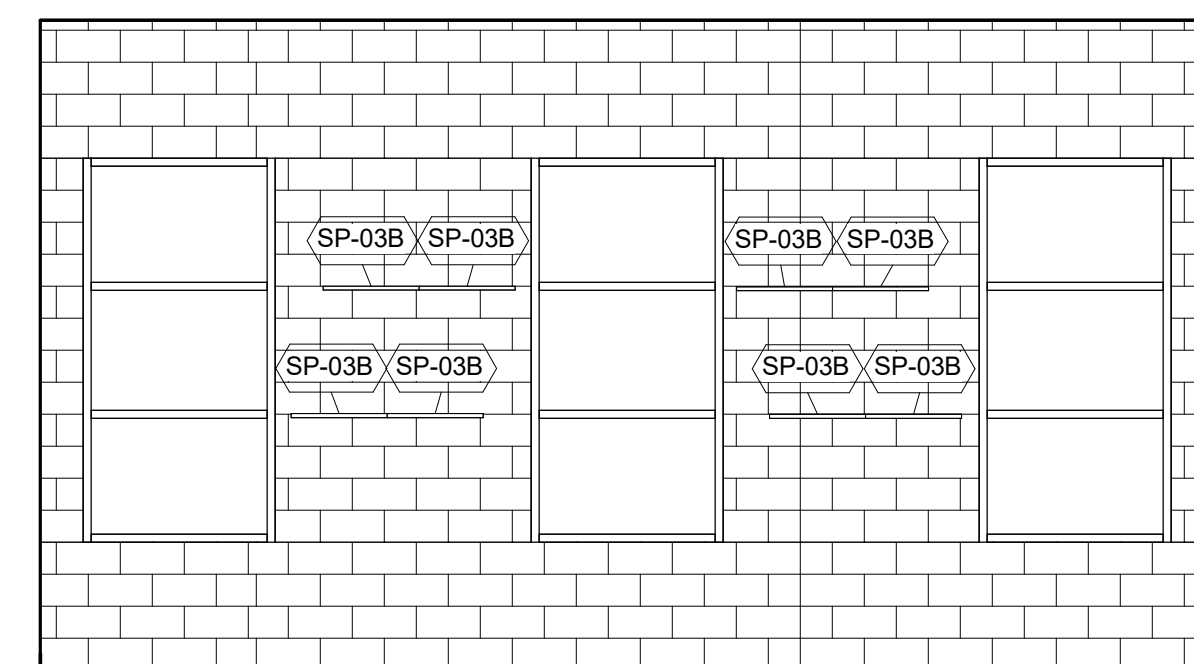
131 THE HIVE PT4  
3/A8.03 SCALE: 1/4" = 1'-0"



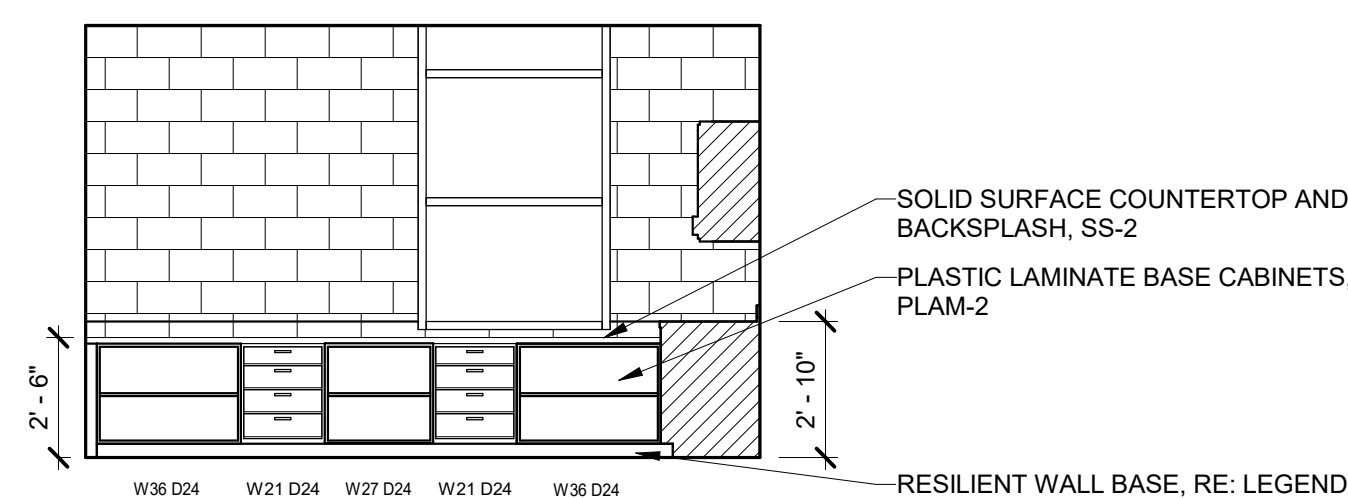
131 THE HIVE PT1  
4/A8.03 SCALE: 1/4" = 1'-0"



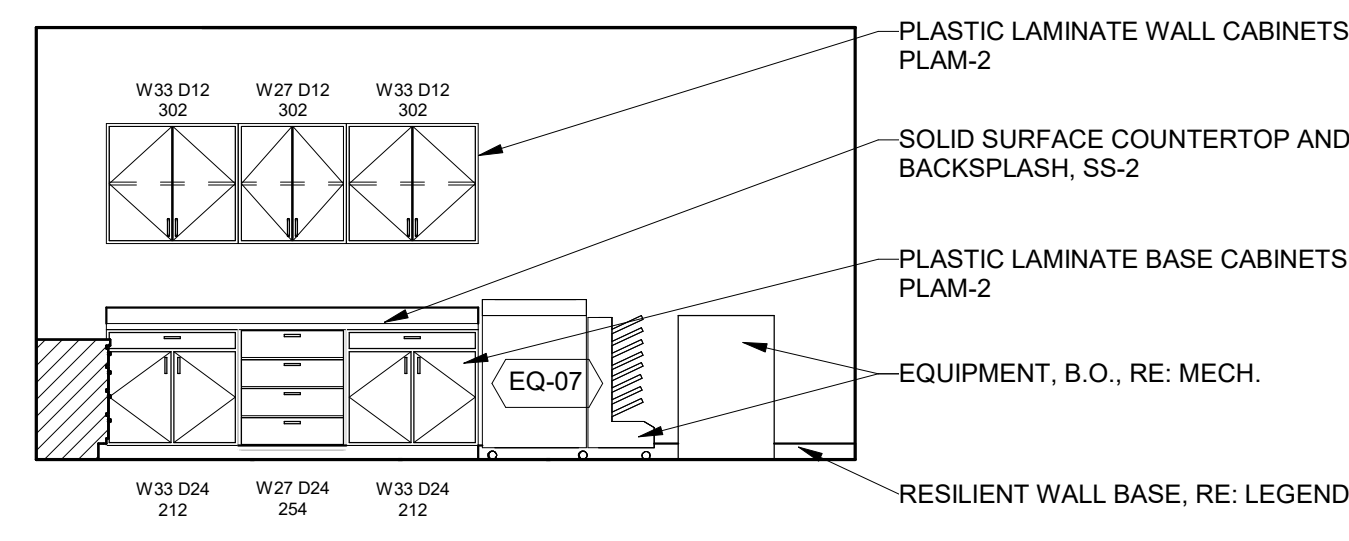
131 THE HIVE PT2  
5/A8.03 SCALE: 1/4" = 1'-0"



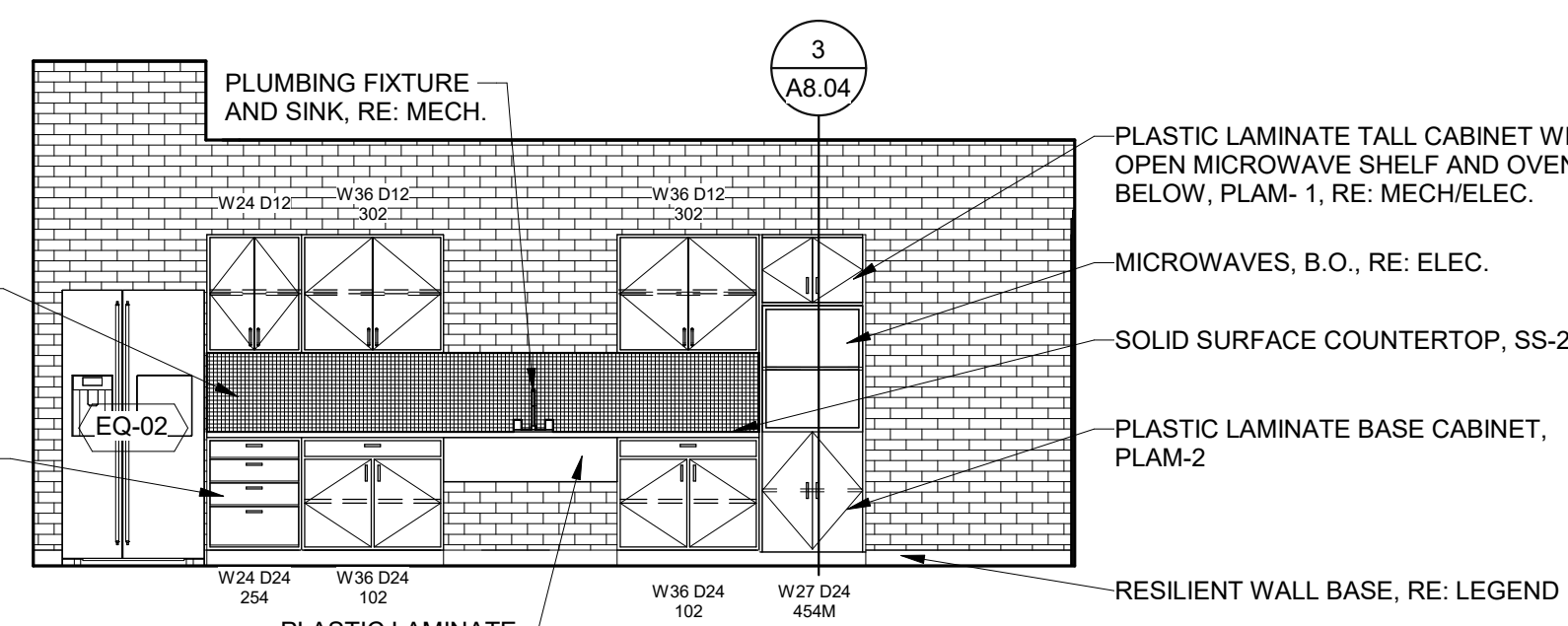
131 THE HIVE PT3  
6/A8.03 SCALE: 1/4" = 1'-0"



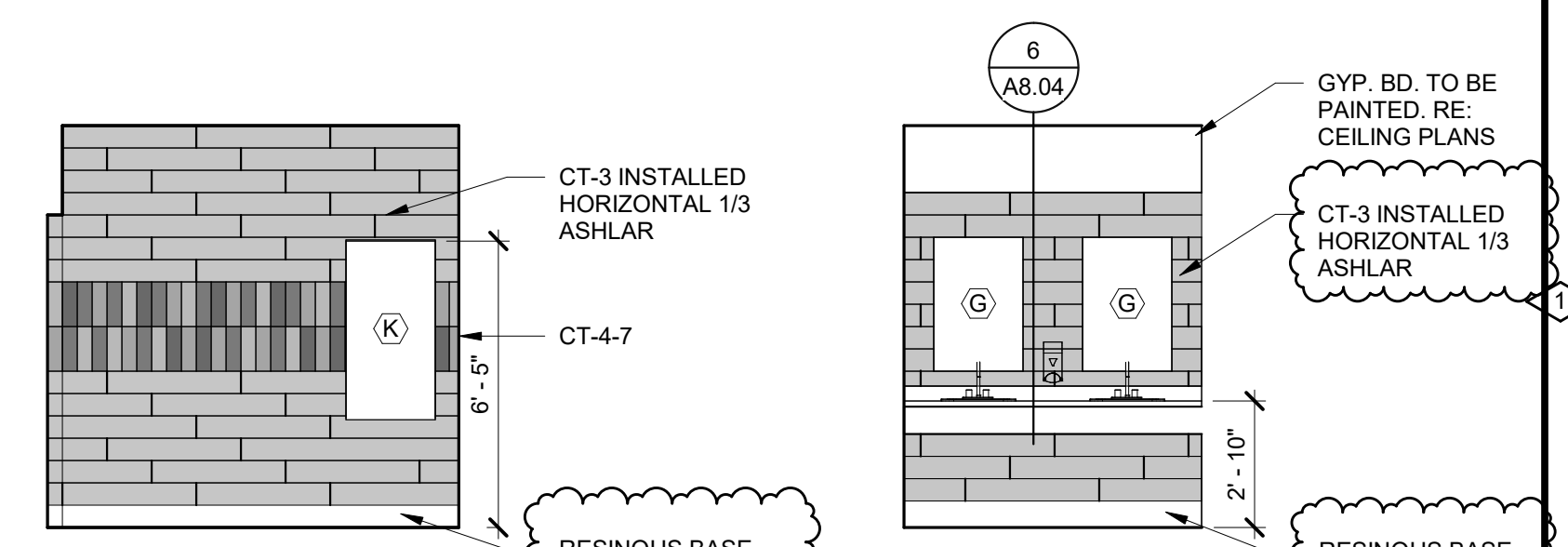
215A WORK ROOM E  
8/A8.03 SCALE: 1/4" = 1'-0"



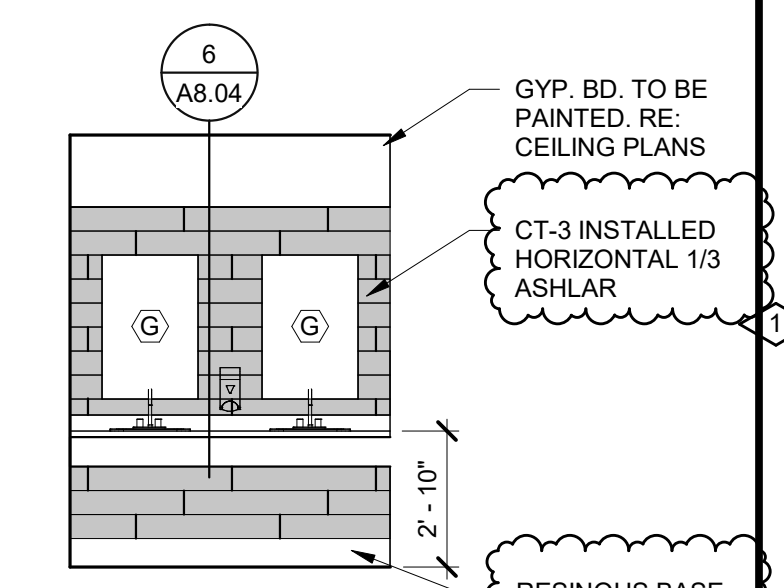
215A WORK ROOM S  
9/A8.03 SCALE: 1/4" = 1'-0"



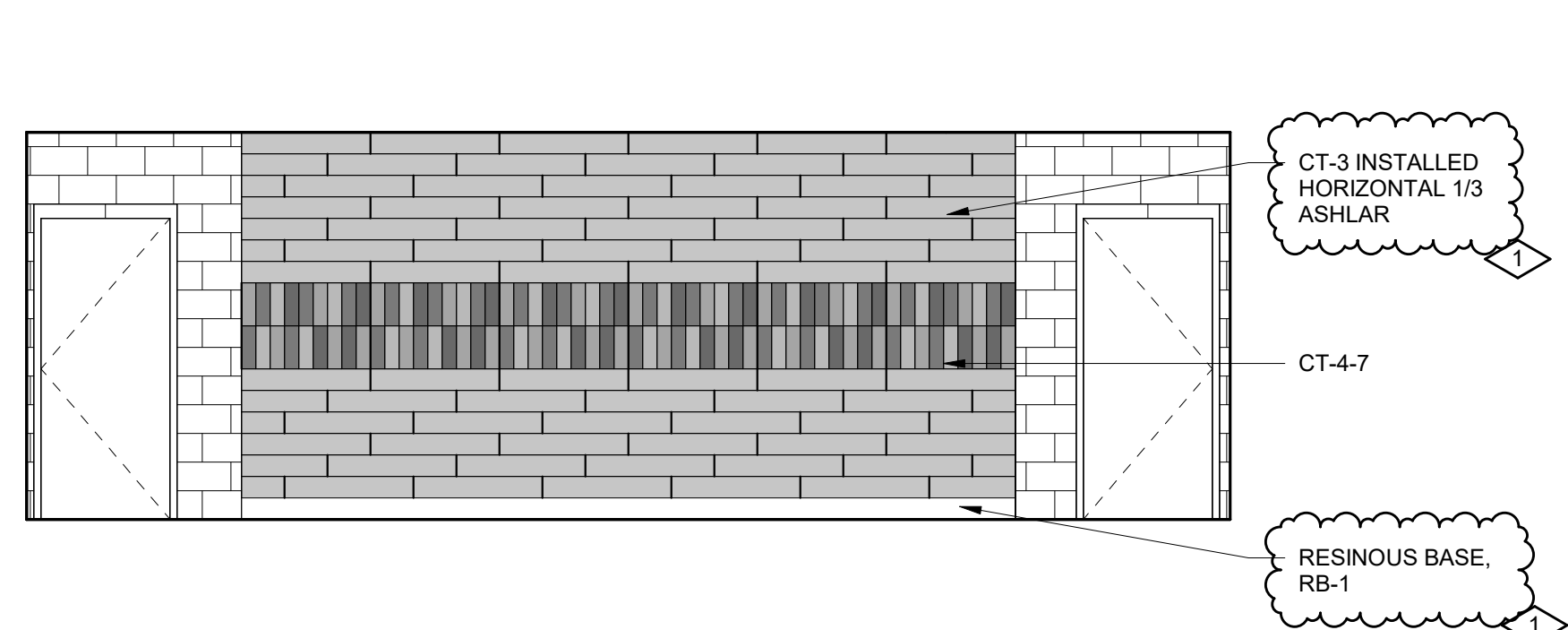
315 STAFF LOUNGE S  
10/A8.03 SCALE: 1/4" = 1'-0"



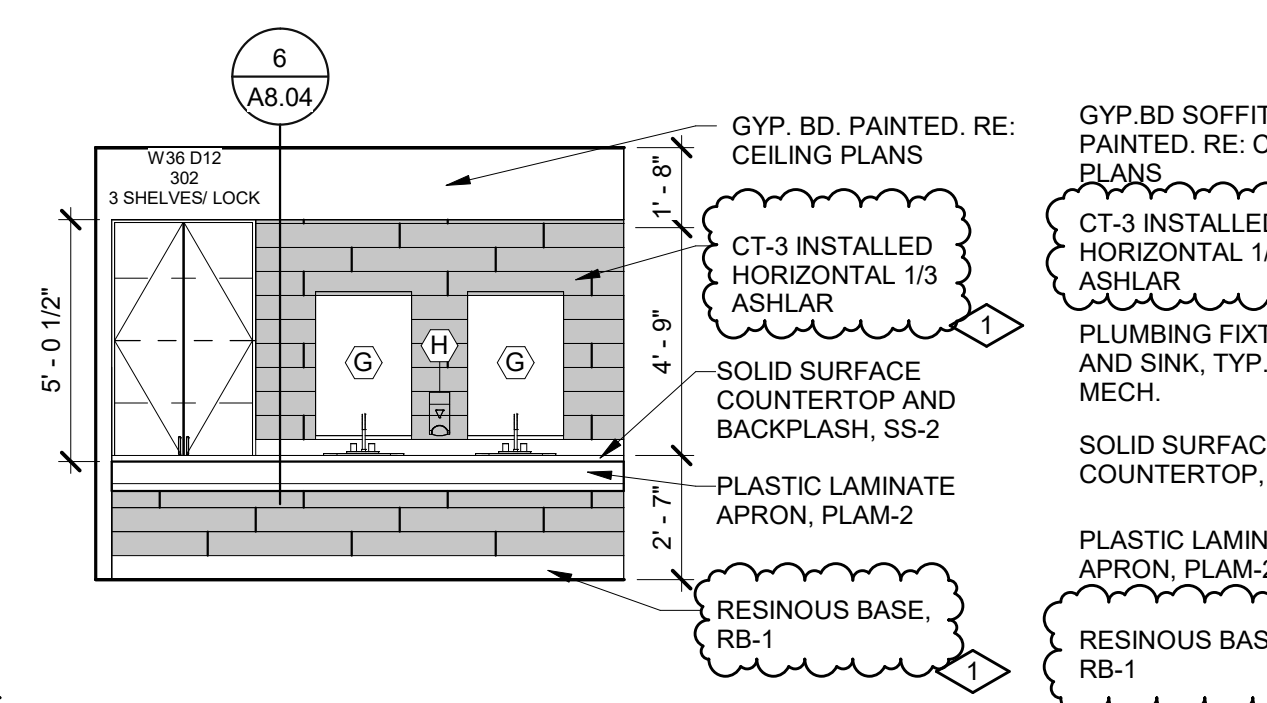
104D TOILET ROOM N  
11/A8.03 SCALE: 1/4" = 1'-0"



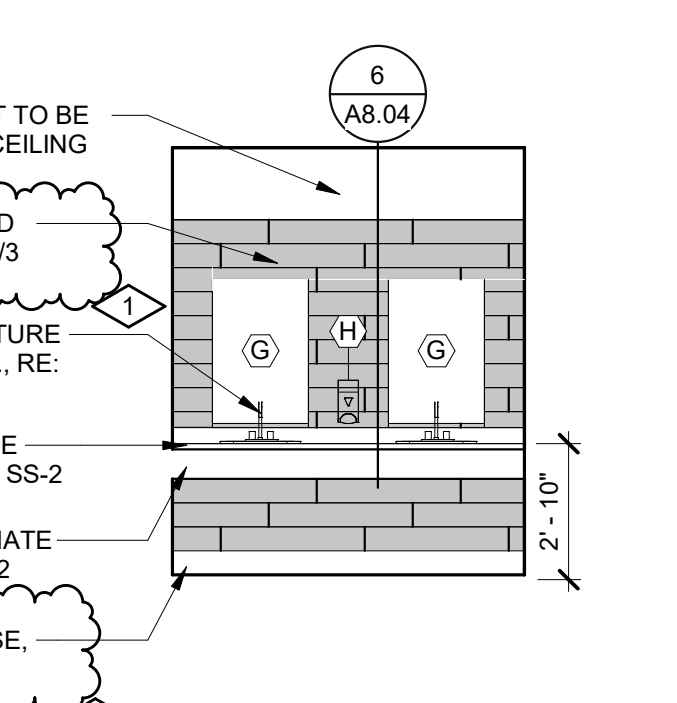
104D TOILET ROOM S  
12/A8.03 SCALE: 1/4" = 1'-0"



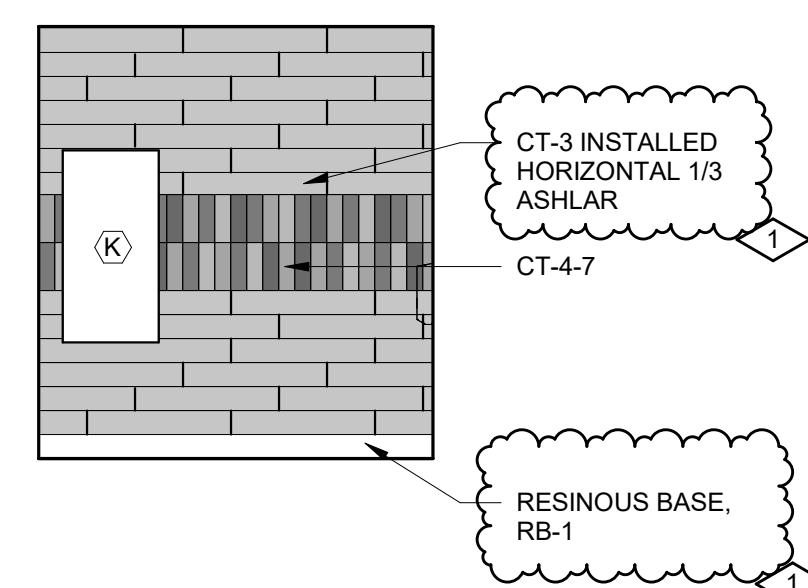
136 TOILET ROOM N  
13/A8.03 SCALE: 1/4" = 1'-0"



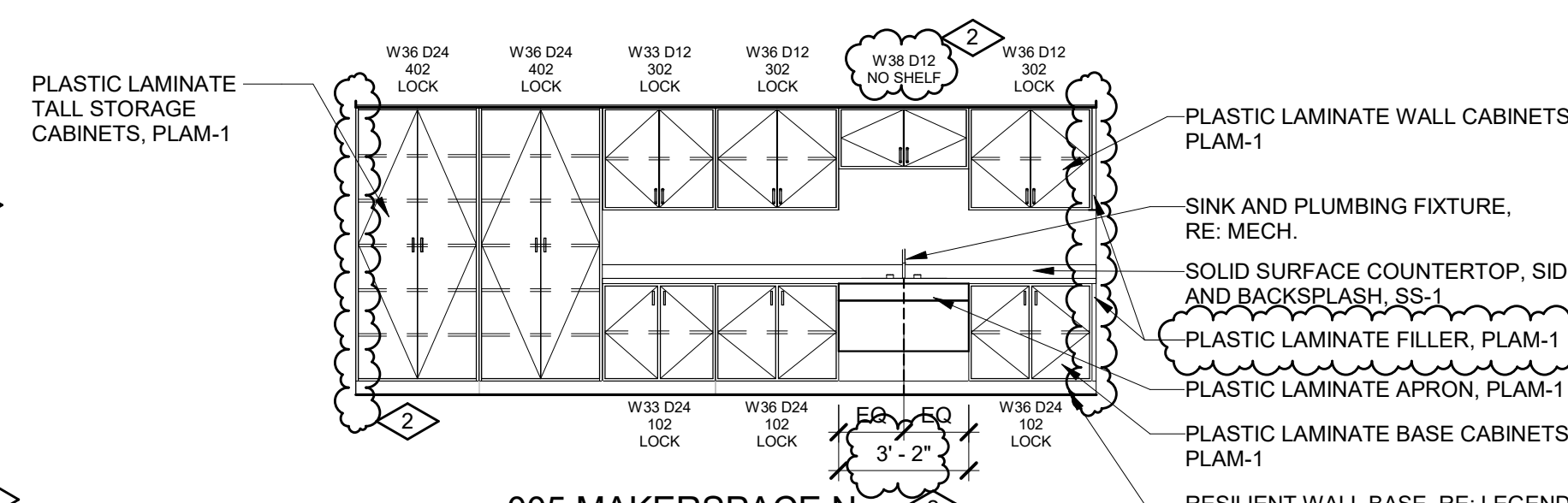
136 TOILET ROOM S (TYP.)  
14/A8.03 SCALE: 1/4" = 1'-0"



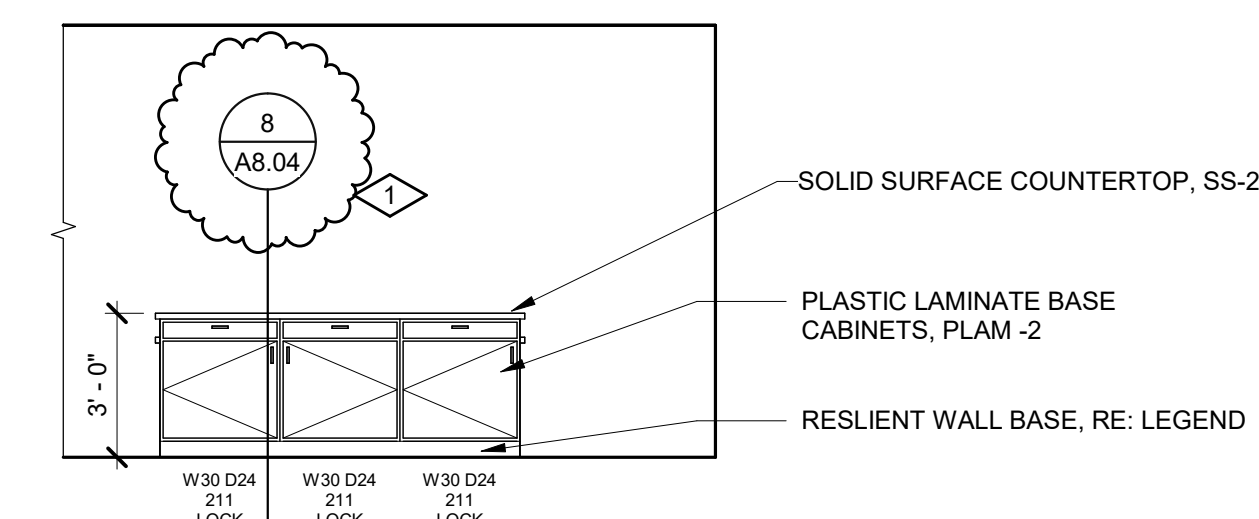
104C TOILET ROOM N  
15/A8.03 SCALE: 1/4" = 1'-0"



104C TOILET ROOM S  
16/A8.03 SCALE: 1/4" = 1'-0"



005 MAKERSPACE N  
17/A8.03 SCALE: 1/4" = 1'-0"



THE HIVE 131 ISLAND  
18/A8.03 SCALE: 1/4" = 1'-0"

## SPECIALTIES SCHEDULE

ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
SP-01	MARKERBOARD	4' - 0"	4' - 0"	G.C.	G.C.	
SP-01A	MARKERBOARD	4' - 0"	6' - 0"	G.C.	G.C.	
SP-01B	MARKERBOARD	4' - 0"	6' - 0"	G.C.	G.C.	
SP-02	TACKBOARD	4' - 0"	4' - 0"	G.C.	G.C.	
SP-02A	TACKBOARD	4' - 0"	6' - 0"	G.C.	G.C.	
SP-02B	TACKBOARD	4' - 0"	6' - 0"	G.C.	G.C.	
SP-03A	ART HANGING SYSTEM	0' - 1"	6' - 0"	G.C.	G.C.	
SP-03B	ART HANGING SYSTEM	0' - 1"	6' - 0"	G.C.	G.C.	
SP-04	CLIMBING WALL	0' - 1"	6' - 0"	G.C.	G.C.	REFER TO FINISH PLANS FOR FLOORING NOTES

## EQUIPMENT SCHEDULE

ID#	ITEM DESCRIPTION	HEIGHT	WIDTH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-01A	TELEVISION			OWNER	G.C.	
EQ-01B	TELEVISION			OWNER	G.C.	
EQ-01C	TELEVISION			OWNER	G.C.	
EQ-01D	TELEVISION			OWNER	G.C.	
EQ-02	REFRIGERATOR			OWNER	G.C.	
EQ-03A	LIGHT DISPLAY BOARDS			G.C.	G.C.	WALL MOUNTED
EQ-03B	LIGHT DISPLAY BOARDS			G.C.	G.C.	CEILING/FLOOR MOUNTED
EQ-04	STOVE			OWNER	G.C.	
EQ-05	DISHWASHER			OWNER	G.C.	
EQ-06	UNDERCOUNTER REFRIGERATOR			OWNER	G.C.	
EQ-07	COPIER			OWNER	G.C.	
EQ-08	WASHER			OWNER	G.C.	
EQ-09	DRYER			OWNER	G.C.	
EQ-10	WALL OVEN			OWNER	G.C.	
EQ-11	MICROWAVE			OWNER	G.C.	

WTAARCH.COM

WTA ARCHITECTS

100 S Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

COPYRIGHT © 2023

PROJECT TITLE

RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE

INTERIOR ELEVATIONS

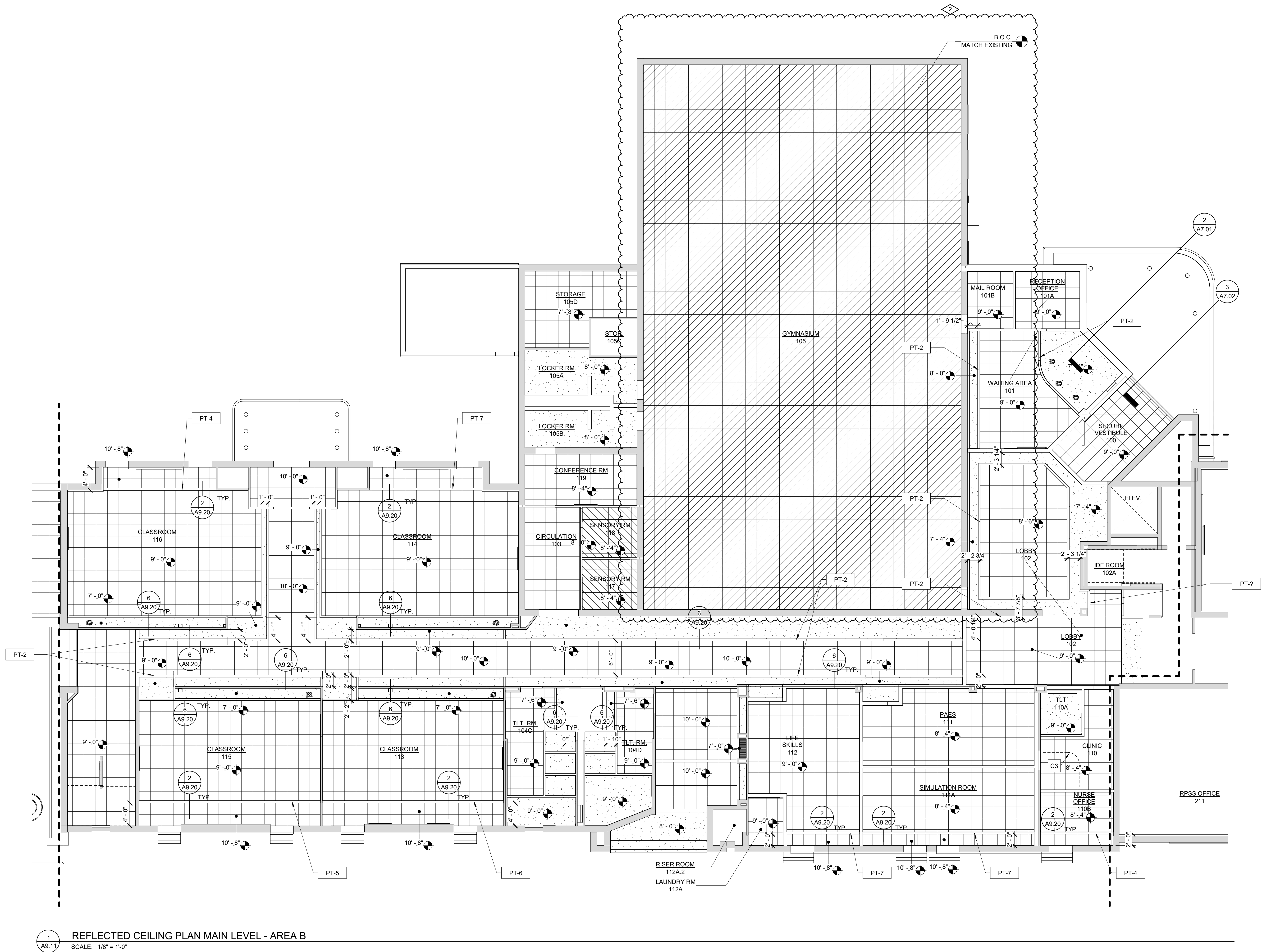
PROJECT NUMBER

2022006.1

PROJECT DATE  
AUGUST 23, 2023CHECKED BY  
JMJ

SHEET NUMBER

A8.03



1  
A9.11 REFLECTED CEILING PLAN MAIN LEVEL - AREA B  
SCALE: 1/8" = 1'-0"

#### REFLECTED CEILING LEGEND:

- 2x4 LIGHT FIXTURE (REFER TO ELECTRICAL)
- 2 X 2 LIGHT FIXTURE (REFER TO ELECTRICAL)
- 1x4 LIGHT FIXTURE (REFER TO ELECTRICAL)
- CAN LIGHT FIXTURE (REFER TO ELECTRICAL)
- LIGHT FIXTURE (REFER TO ELECTRICAL)
- LIGHT FIXTURE (REFER TO ELECTRICAL)
- WALL MOUNTED LIGHT FIXTURE (REFER TO ELECTRICAL)
- UNDER COUNTER LIGHT FIXTURE (REFER TO ELECTRICAL)
- SUPPLY AIR DIFFUSER (REFER TO MECHANICAL)
- RETURN AIR DIFFUSER (REFER TO MECHANICAL)
- MECHANICAL ITEM (REFER TO MECHANICAL)
- EXIT
- EXIT LIGHT FIXTURE (REFER TO ELECTRICAL)

#### CEILING TYPES

- (ACT-1) 2x2 CEILING (MIN. NRC .7)
- (ACT-2) SECURE LAY-IN CEILING SYSTEM
- (ACT-3) TECTUM LAY-IN CEILING SYSTEM W/ HOLD DOWN CLIPS
- (AP-1) TECTUM SHAPES HEXAGON; COLOR AS INDICATED IN FINISH SCHEDULE
- (AP-2) 4" X 8" ACOUSTIC PET BAFFLES; COLOR INDICATED IN FINISH SCHEDULE
- (AP-3) 2" X 10" ACOUSTIC PET BAFFLES; COLOR INDICATED IN FINISH SCHEDULE
- (AP-4) ACOUSTIC FIBERGLASS PANEL
- EXPOSED CEILING; PAINT STRUCTURE AND EXPOSED CEILING PT-10. ALL ADJACENT SURFACES TO BE CLEANED OF OVERSPRAY.
- EXPOSED CEILING; PAINT
- GYPSUM BOARD CEILING, PAINT.
- SUSPENDED 8'-0" X 8'-0" UNISTRUT GRID AT 10' - 0" A.F.F. PAINTED, FINISH PT-11

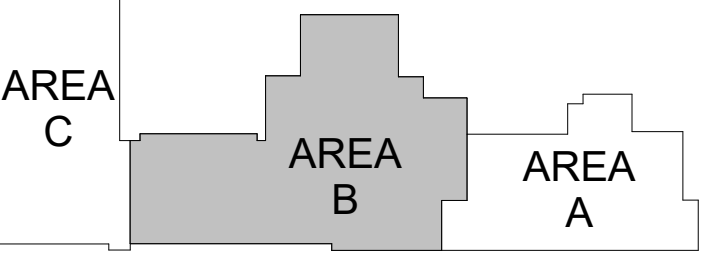
#### CEILING PLAN GENERAL NOTES:

- ALL NOTED CEILING HEIGHTS ARE RELATIVE TO THE FINISH FLOOR BELOW.
- ALL DIMENSIONS ARE TO FINISH FACE OF SOFFIT OR PARTITION AND TO CENTERLINE OF LIGHT FIXTURES U.O.N.
- CENTER CEILING GRID IN BOTH DIRECTIONS IN ROOM U.O.N.
- CENTER RECESSED DOWN LIGHTS AND SPRINKLER HEADS IN CEILING SYSTEM U.O.N.
- REFER TO MECHANICAL DRAWINGS FOR DIFFUSER TYPES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT OF DEVICES. NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH WORK.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT OF FIXTURES. NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH WORK.
- SEE INTERIOR ELEVATIONS ON THE A8.0 SHEETS OR DEDICATED INTERIOR REFLECTED CEILING PLANS, AS OCCURS FOR ACCENT COLORS AND SPECIAL FINISHES.
- UNDER CABINET LIGHTING (UCL) INDICATED ON INTERIOR ELEVATIONS.
- ALL AREAS EXPOSED TO STRUCTURE WILL HAVE EXPOSED WIRING PLACED IN FLEXIBLE CONDUIT. COORDINATE WITH ELECTRICAL.
- ACCENT PAINT NOTED ON CEILING SOFFITS TO COVER VERTICAL & HORIZONTAL FACES.
- ALL GYP. BD. CEILINGS & BULKHEADS TO BE PAINTED PT-11 (WHITE) UNLESS NOTED OTHERWISE.
- ALL WALLS ARE TO GO TO THE UNDERSIDE OF THE DECK U.O.N. PROVIDE ACOUSTICAL SEALANT BETWEEN ALL CLASSROOM, WORK ROOM, LOUNGES, CONFERENCE AND OFFICE SPACES

#### CEILING KEYNOTES

- UNISTRUT GRID; B.O.D. PART NO. UGR-B-2P-66-HD; SEE STRUCTURAL FOR FINAL DESIGN LOADS, FINAL DESIGN BY SUPPLIER.
- CEILING LIFT SYSTEM
- PRIVACY CURTAIN TRACK

2	ADDENDUM NO. 2	09/08/23
	ISSUED FOR BID	08/23/23
NO.	REVISION	DATE



KEY PLAN  
NORTH NO SCALE

WTA ARCHITECTS  
100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
COPYRIGHT © 2023

PROJECT TITLE  
RENOVATION AND  
ADDITION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
REFLECTED CEILING  
PLAN - AREA B - MAIN  
LEVEL

PROJECT NUMBER  
2022006.1

PROJECT DATE  
AUGUST 23, 2023

CHECKED BY  
JMJ

SHEET NUMBER

A9.11





- KEYED NOTES**
- 1 REMOVE EXISTING POST-TOP LUMINAIRE CIRCUIT AND POLE SHALL BE REUSED WITH NEW TYPE CC LUMINAIRE.
  - 2 EXISTING SIGN SHALL BE REPLACED WITH NEW LED SIGN. ELECTRICAL CONTRACTOR SHALL RUN (1) 1" CONDUIT UNDERGROUND TO BE USED FOR FIBER AND (1) 3/4" CONDUIT FOR POWER. ELECTRICAL CONTRACTOR SHALL PROVIDE WEATHER PROOF SWITCH ON NEW SIGN AS LOCAL DISCONNECT.

ADDENDUM 2		09/08/23
ISSUE FOR BID		08/23/23
NO.	REVISION	DATE

AREA C    AREA B    AREA A

KEY PLAN

NORTH    NO SCALE

**WTA ARCHITECTS**

100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107    COPYRIGHT © 2022

**MACMILLAN ASSOCIATES**  
CONSULTING ENGINEERS

714 EAST MIDLAND STREET • RAY CITY, MICHIGAN 48069  
(989) 894-1300 • F (989) 894-9930 • WWW.MACMILLANASSOCIATES.COM

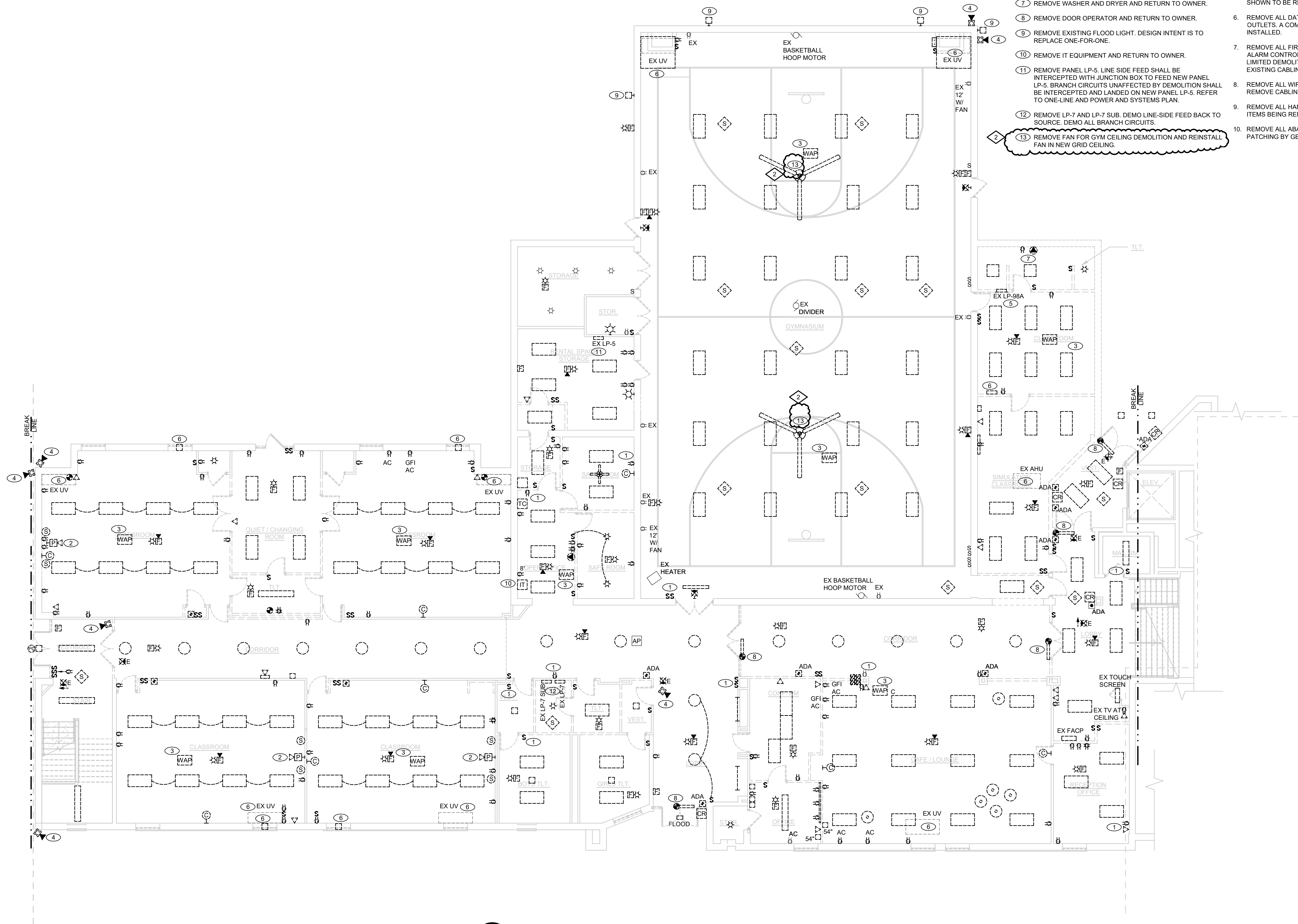
PROJECT TITLE  
ADDITION AND RENOVATION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
**ELECTRICAL SITE PLAN**

PROJECT NUMBER <b>2022006.1</b>	SHEET NUMBER <b>SE1.01</b>
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JWF	



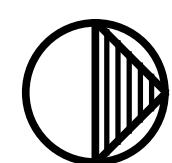


#### DEMOLITION KEYED NOTES

- EXISTING ROUGH-IN TO BE REUSED. REMOVE OLD DEVICE AND REPLACE WITH NEW DEVICE ACCORDING TO ELECTRICAL PLANS.
- REMOVE PROJECTOR AND SPEAKERS AND RETURN TO OWNER.
- REMOVE WIRELESS ACCESS POINT AND RETURN TO OWNER.
- REMOVE SECURITY CAMERA AND RETURN TO OWNER.
- DEMO EXISTING ELECTRICAL PANEL. DEMO ALL BRANCH CIRCUITS. FIELD TRACE LINE-SIDE FEED. IF PANEL LP-98A IS FED FROM CEILING THEN DEMO LINE-SIDE FEED TO ACCESSIBLE CEILING SPACE CLOSEST TO NEW PANEL RP1B. REFER TO POWER AND SYSTEMS PLAN. IF PANEL LP-98A IS FED UNDERGROUND THEN DEMO LINE-SIDE FEED BACK TO SOURCE.
- REMOVE ALL POWER, RACEWAY, CONDUIT AND SUPPORTS FOR DEMOED MECHANICAL EQUIPMENT.
- REMOVE WASHER AND DRYER AND RETURN TO OWNER.
- REMOVE DOOR OPERATOR AND RETURN TO OWNER.
- REMOVE EXISTING FLOOD LIGHT. DESIGN INTENT IS TO REPLACE ONE-FOR-ONE.
- REMOVE IT EQUIPMENT AND RETURN TO OWNER.
- REMOVE PANEL LP-5. LINE-SIDE FEED SHALL BE INTERCEPTED WITH JUNCTION BOX TO FEED NEW PANEL LP-5. BRANCH CIRCUITS UNAFFECTED BY DEMOLITION SHALL BE INTERCEPTED AND LANDED ON NEW PANEL LP-5. REFER TO ONE-LINE AND POWER AND SYSTEMS PLAN.
- REMOVE LP-7 AND LP-7 SUB. DEMO LINE-SIDE FEED BACK TO SOURCE. DEMO ALL BRANCH CIRCUITS.
- REMOVE FAN FOR GYM CEILING DEMOLITION AND REINSTALL FAN IN NEW GRID CEILING.

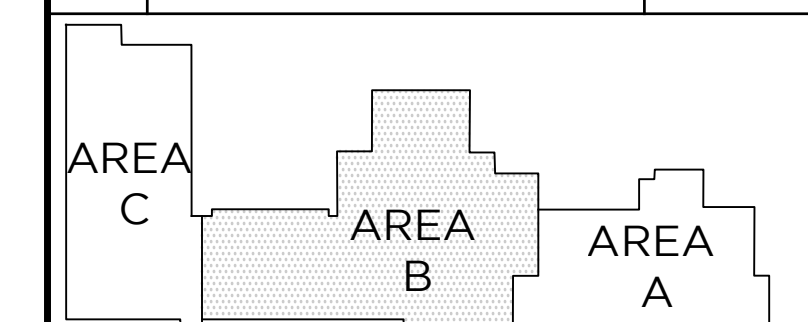
#### DEMOLITION SPECIAL NOTE

- DEMO ALL EXISTING FIRE ALARM AND SMOKE DETECTOR DEVICES INCLUDING ALL CONDUCTORS, RACEWAYS, HANGERS AND SUPPORTS. TO PREPARE FOR A NEW FIRE ALARM SYSTEM.
- #### GENERAL NOTES DEMOLITION
- ELECTRICAL PANELS SHOWN ON THE DEMO PLAN ARE SHOWN FOR REFERENCE. DO NOT REMOVE PANELS UNLESS NOTED OTHERWISE. REFER TO POWER DRAWINGS.
  - EC SHALL REMOVE AND PROPERLY DISPOSE OF ALL FIXTURES, LAMPS, BALLASTS AND WIRING SHOWN FOR DEMOLITION.
  - EC SHALL REMOVE ALL BLANK COVERS ON BOXES TO CONFIRM THE TYPE OF WIRING, POWER OR LOW VOLTAGE. REMOVE ALL WIRING, BOXES IF EMPTY SHALL BE REMOVED FOR WALL PATCHING.
  - ALL ITEMS SHOWN DASHED SHALL BE REMOVED UNLESS OTHERWISE NOTED.
  - REMOVE ALL CONDUIT AND WIRING BACK TO SOURCE FOR ALL DEVICES SHOWN TO BE REMOVED.
  - REMOVE ALL DATA CABLES BACK TO THE IDF RACK FOR ALL DATA OUTLETS. A COMPLETE NEW LOW VOLTAGE SYSTEM SHALL BE INSTALLED.
  - REMOVE ALL FIRE ALARM DEVICES. AS NOTES EXISTING MAIN FIRE ALARM CONTROL PANEL AND ASSOCIATED DEVICES IN AREA WITH LIMITED DEMOLITION SHALL REMAIN. IDENTIFY, PROTECT AND MARK EXISTING CABLING.
  - REMOVE ALL WIRELESS ACCESS POINTS AND RETURN TO OWNER. REMOVE CABLING BACK TO THE SOURCE.
  - REMOVE ALL HANGERS, SUPPORTS AND STRAPS ASSOCIATED WITH ITEMS BEING REMOVED.
  - REMOVE ALL ABANDONED CONDUIT AND BOXES TO PREPARE FOR PATCHING BY GENERAL TRADES.



DEMOLITION ELECTRICAL PLAN - MAIN LEVEL SOUTH WING - AREA B  
1/8"=1'-0"

2	ADDENDUM 2	09/08/23
1	ADDENDUM 1	08/31/23
	ISSUE FOR BID	08/23/23
NO.	REVISION	DATE



KEY PLAN  
NORTH NO SCALE



WTA ARCHITECTS

100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

MACMILLAN ASSOCIATES  
CONSULTING ENGINEERS  
714 EAST MIDLAND STREET • BAY CITY, MICHIGAN 49706  
(889) 894-1300 • T (889) 894-9930 WWW.MACMILLANASSOCIATES.COM

PROJECT TITLE

ADDITION AND RENOVATION:

MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE

DEMOLITION ELECTRICAL  
PLAN - MAIN LEVEL  
SOUTH WING - AREA B

PROJECT NUMBER

2022006.1

PROJECT DATE

AUGUST 23, 2023

CHECKED BY

JWF

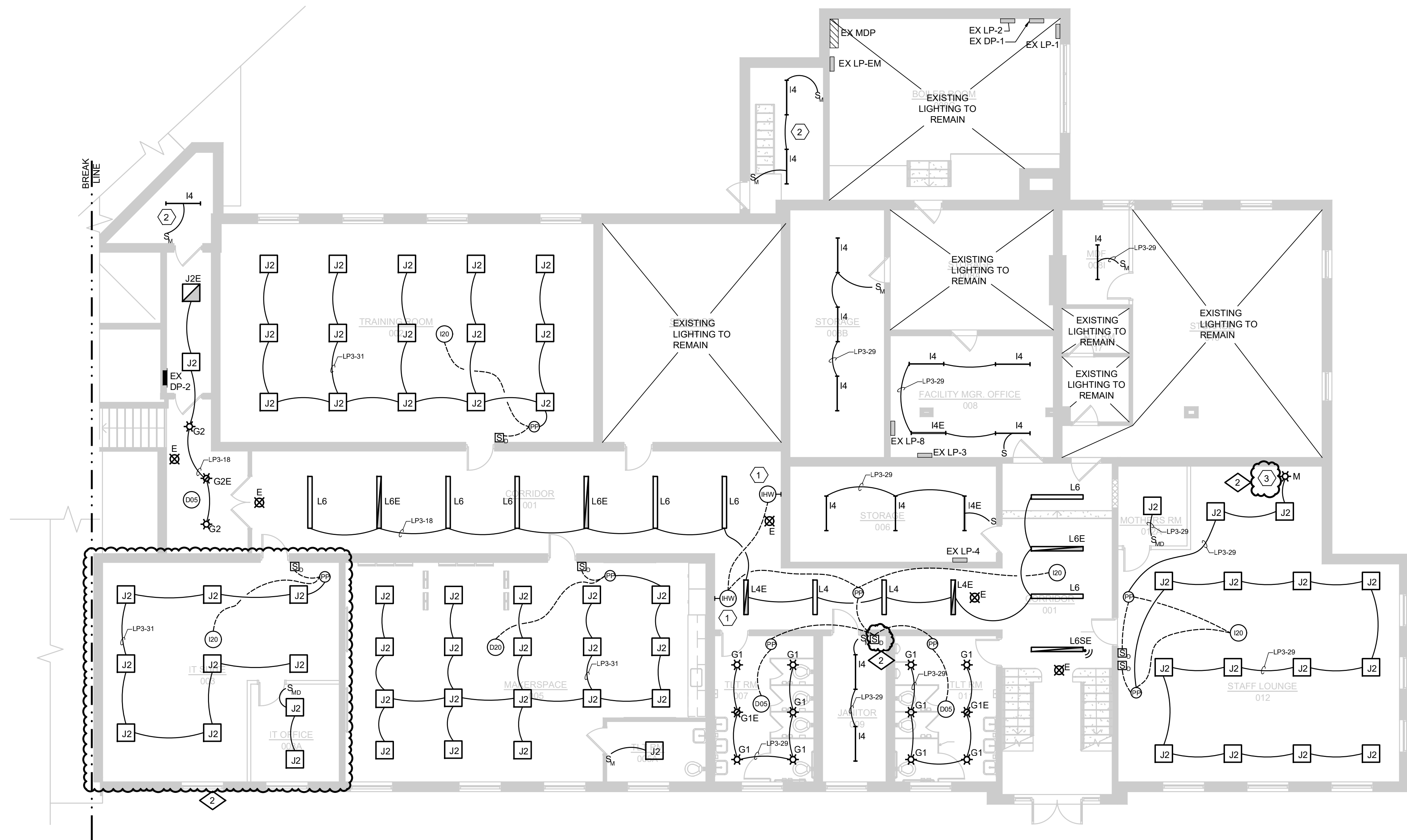
SHEET NUMBER

E1.02



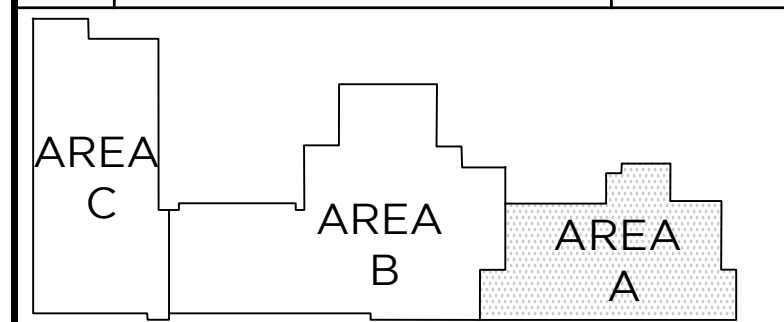
- KEYED NOTES
1. INSTALL HALLWAY OCCUPANCY SENSOR PER MANUFACTURER'S INSTRUCTIONS. MOUNT AT 7' AFF WITH CLEAR LINE-OF-SIGHT.
  2. REUSE EXISTING LIGHTING CIRCUITING TO FEED NEW LIGHTS. MODIFY AND EXTEND CIRCUIT AS REQUIRED.
  3. ELECTRICAL CONTRACTOR SHALL MOUNT FIXTURE "M" ABOVE SINK. SEE ARCHITECTURAL DRAWINGS FOR FINAL MOUNTING LOCATION.

- LIGHTING WIRING METHODS
1. EXIT LIGHTS SHALL OPERATE 24-7 AND ARE EQUIPPED WITH A BATTERY RATED FOR 90 MINUTES. WIRE THE EXIT LIGHT TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.
  2. HALF-TONE SHADED FIXTURES REPRESENTS THE FIXTURE IS AN EMERGENCY LIGHT AND EQUIPPED WITH AN EMERGENCY BATTERY PACK.
  3. CONFIRM LIGHT FIXTURE LAYOUT WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ARCHITECTURAL DETAILS FOR LOCATION AND MOUNTING DETAILS.
  4. MC CABLE IS ONLY ACCEPTABLE AS A FINAL WIRING CONNECTION TO RECESSED LIGHTING INSTALLED IN ACCESSIBLE CEILINGS. MC CABLE LENGTH SHALL NOT EXCEED 6'-0".
  5. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR FOR LIGHTING CIRCUITS. THE USE OF THE RACEWAY FOR A GROUNDING PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
  6. SMALL ROOMS SUCH AS STORAGE ROOM, INDIVIDUAL TOILET ROOMS, JANITORS CLOSET, DATA CLOSET AND OFFICES SHALL HAVE WALL SWITCH TYPE OCCUPANCY SENSORS SWITCHES TO AUTOMATICALLY CONTROL THE LIGHTS AS NOTED AND SPECIFIED ON THE DRAWINGS.
  7. OCCUPANCY SENSORS, POWER PACKS AND CONTROLS ARE SHOWN DIAGRAMMATICALLY. INFRARED SENSORS MUST REMAIN AT A MINIMUM OF 4'-0" AWAY FROM ANY MECHANICAL HEAT DIFFUSER TO ELIMINATE FALSE TRIPS. CIRCUIT LINES ARE SHOWN FROM SWITCHES TO LIGHT FIXTURES TO COMMUNICATE SWITCHING CONFIGURATION ONLY. ALL SENSORS, POWER PACKS AND WIRING MUST BE WIRED PER MANUFACTURER'S WIRING METHOD.
  8. A SINGLE POWER PACK CAN HAVE MULTIPLE SWITCHES WIRED TO THE DEVICE PROVIDED THAT THE FIXTURES BEING CONTROLLED BY THESE SWITCHES ARE ON THE SAME CIRCUIT. TWO POWER PACKS ARE REQUIRED IF A SECOND CIRCUIT IS INTRODUCED. REFER TO MANUFACTURER'S WIRING METHODS. POWER PACKS AND OR OCCUPANCY SENSORS SHALL INCLUDE A HVAC RELAY AS SCHEDULED AND NOTED ON THE DRAWINGS FOR THE BUILDING AUTOMATION SYSTEM CONNECTION. BUILDING AUTOMATION WIRING SHALL BE COMPLETED AS PART OF THE TEMPERATURE CONTROL CONTRACTOR'S BID.
  9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING PENETRATIONS THRU FIRE RATED WALLS FOR THEIR WORK.
  10. POWER PACKS SHOWN DIAGRAMMATICALLY. WHEN SHOWN IN GYP BOARD CEILING, LOCATE POWER PACK IN NEAREST LAY-IN CEILING OR CLOSET SPACE.



LIGHTING PLAN - LOWER LEVEL - AREA A  
1/8" = 1'-0"

2	ADDENDUM 2	09/08/23
1	ADDENDUM 1	08/31/23
	ISSUE FOR BID	08/23/23
NO.	REVISION	DATE



WTA ARCHITECTS

100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

COPYRIGHT © 2022

MACMILLAN ASSOCIATES  
CONSULTING ENGINEERS

714 EAST MIDLAND STREET • RAY CITY, MICHIGAN 48069  
(800) 894-4300 • (989) 894-9930 • WWW.MACMILLANASSOCIATES.COM

PROJECT TITLE  
ADDITION AND RENOVATION:  
MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE LIGHTING PLAN LOWER LEVEL AREA A	PROJECT NUMBER 2022006.1 PROJECT DATE AUGUST 23, 2023 CHECKED BY JWF	SHEET NUMBER E2.01
---	---	-----------------------

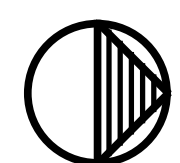


- ① EXISTING ROUGH IN TO BE REUSED. FURNISH AND INSTALL NEW DEVICE.
- ② SWITCH ON EXTERIOR OF SENSORY ROOM TO OVERRIDE SWITCH ON THE INTERIOR.
- ③ INSTALL HALLWAY OCCUPANCY SENSOR PER MANUFACTURER'S INSTRUCTIONS. MOUNT AT 7' AFF WITH CLEAR LINE-OF-SIGHT.
- ④ REPLACE EXISTING GYM LIGHT FIXTURES ONE-FOR-ONE. REUSE EXISTING LP-S CIRCUIT. MODIFY AND EXTEND AS NECESSARY.
- ⑤ KEYED SWITCH SHALL BE MANUAL OVERRIDE FOR LOBBY LIGHTING.
- ⑥ LOW VOLTAGE DIMMER SWITCH SHALL BE MANUAL OVERRIDE FOR CORRIDOR LIGHTING.
- ⑦ INSTALL FIXTURE IN SAME LOCATION OF REMOVED FLOODLIGHT. MODIFY AND EXTEND EXISTING CIRCUITING TO FEED NEW FIXTURE AS REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITING IS 208V. VPH PRIOR TO ORDERING NEW LIGHT FIXTURES.
- ⑧ ELECTRICAL CONTRACTOR SHALL REINSTALL FAN IN NEW CEILING

1. EXIST LIGHTS SHALL OPERATE 24/7 AND ARE EQUIPPED WITH A BATTERY RATED FOR 90 MINUTES, WIRE THE EXIST LIGHT TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.
2. HALF-TONE SHADED FIXTURES REPRESENTS THE FIXTURE IS AN EMERGENCY LIGHT AND EQUIPPED WITH AN EMERGENCY BATTERY PACK.
3. CONFIRM LIGHT FIXTURE LAYOUT WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ARCHITECTURAL DETAILS FOR LOCATION AND MOUNTING DETAILS.
4. MC CABLE IS ONLY ACCEPTABLE AS A FINAL WIRING CONNECTION TO RECESSED LIGHTING INSTALLED IN ACCESSIBLE CEILINGS. MC CABLE LENGTH SHALL NOT EXCEED 6'-0".

PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR FOR LIGHTING CIRCUITS. THE USE OF THE GROUNDWAY FOR A GROUNDING PATH IS NOT ACCEPTABLE FOR THIS PROJECT.

6. SMALL ROOMS SUCH AS STORAGE ROOM, INDIVIDUAL TOILET ROOMS, JANITORS CLOSET, DATA CLOSET AND OFFICES SHALL HAVE WALL SWITCH TYPE OCCUPANCY SENSORS SWITCHES TO AUTOMATICALLY CONTROL THE LIGHTS AS NOTED AND SPECIFIED ON THE DRAWINGS.
7. OCCUPANCY SENSORS, POWER PACKS AND CONTROLS ARE SHOWN DIAGRAMMATICALLY. INFRARED SENSORS MUST REMAIN AT A MINIMUM OF 4'-0" FROM ANY WALL, CEILING, HEAT DEFUSERS TO ELIMINATE FALSE TRIPS. CIRCUIT LINES ARE SHOWN FROM SWITCHES TO LIGHT FIXTURES TO COMMUNICATE SWITCHING CONFIGURATION ONLY. ALL SENSORS, POWER PACKS AND WIRING MUST BE WIRED PER MANUFACTURERS WIRING METHOD.
8. A SINGLE POWER PACK CAN HAVE MULTIPLE SWITCHES WIRED TO THE DEVICE PROVIDED THAT THE FIXTURES BEING CONTROLLED BY THESE SWITCHES ARE ON THE SAME CIRCUIT. TWO POWER PACKS ARE REQUIRED IF A SECOND CIRCUIT IS INTRODUCED. REFER TO MANUFACTURERS WIRING INSTRUCTIONS FOR POWER PACKS AND OR OCCUPANCY SENSORS SHALL INCLUDE A HVAC RELAY AS SCHEDULED AND NOTED ON THE DRAWINGS FOR THE BUILDING AUTOMATION SYSTEM CONNECTION. BUILDING AUTOMATION WIRING SHALL BE COMPLETED AS PART OF THE TEMPERATURE CONTROL CONTRACTORS BID.
9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING PENETRATIONS THRU FIRE RATED WALLS FOR THEIR WORK.
10. POWER PACKS SHOWN DIAGRAMMATICALLY, WHEN SHOWN IN GYP BOARD CEILING, LOCATE POWER PACK IN NEAREST LAY-IN CEILING OR CLOSET SPACE.



**LIGHTING PLAN - MAIN LEVEL SOUTH WING - AREA B**  
1/8"=1'-0"

PROJECT NUMBER	SHEET NUMBER
2022006.1	
PROJECT DATE	
AUGUST 23, 2023	E2.02
CHECKED BY	
JWF	

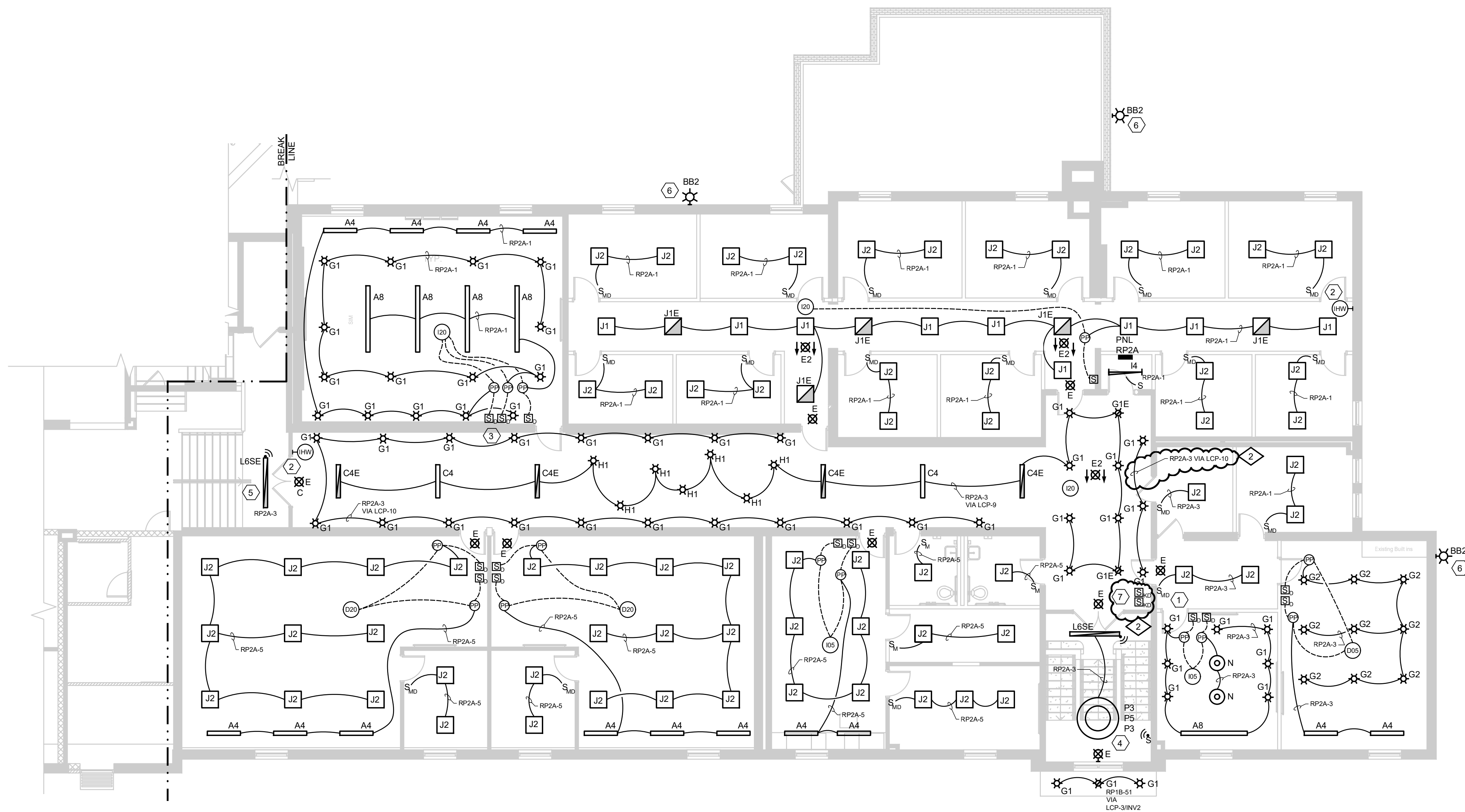


KEYED NOTES

- EXISTING ROUGH-IN TO BE REUSED. FURNISH AND INSTALL NEW DEVICE.
- INSTALL HALLWAY OCCUPANCY SENSOR PER MANUFACTURER'S INSTRUCTIONS. MOUNT AT 7' AFF WITH CLEAR LINE-OF-SIGHT.
- SWITCHES SHOWN DIAGRAMMATICALLY. ALL 3 SWITCHES SHALL BE ADJACENT.
- CUSTOM PENDANT TO BE INSTALLED WITH 3", 5" AND 3" DIAMETER RINGS. SINGULAR POWER FEED WITH 3 POWER CORDS. COORDINATE MOUNTING DURING SUBMITTALS PHASE.
- TYPE L6SE FIXTURE TO BE CONTROLLED WITH STAIRWELL FIXTURES.
- INSTALL FIXTURE IN SAME LOCATION OF REMOVED FLOODLIGHT. MODIFY AND EXTEND EXISTING CIRCUITING TO FEED NEW FIXTURE AS REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITING IS 208V, 1PH PRIOR TO ORDERING NEW LIGHT FIXTURES.
- KEYED SWITCHES ARE TO CONTROL THE MAIN CORRIDOR LIGHTS AND CORRIDOR DOWNLIGHTS

LIGHTING WIRING METHODS

- EXIT LIGHTS SHALL OPERATE 24-7 AND ARE EQUIPPED WITH A BATTERY RATED FOR 90 MINUTES. WIRE THE EXIT LIGHT TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.
- HALF-TONE SHADED FIXTURES REPRESENTS THE FIXTURE IS AN EMERGENCY LIGHT AND EQUIPPED WITH AN EMERGENCY BATTERY PACK.
- CONFIRM LIGHT FIXTURE LAYOUT WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ARCHITECTURAL DETAILS FOR LOCATION AND MOUNTING DETAILS.
- MC CABLE IS ONLY ACCEPTABLE AS A FINAL WIRING CONNECTION TO RECESSED LIGHTING INSTALLED IN ACCESSIBLE CEILINGS. MC CABLE LENGTH SHALL NOT EXCEED 6'-0".
- PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR FOR LIGHTING CIRCUITS. THE USE OF THE RACEWAY FOR A GROUNDING PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
- SMALL ROOMS SUCH AS STORAGE ROOM, INDIVIDUAL TOILET ROOMS, JANITORS CLOSET, DATA CLOSET AND OFFICES SHALL HAVE WALL SWITCH TYPE OCCUPANCY SENSORS SWITCHES TO AUTOMATICALLY CONTROL THE LIGHTS AS NOTED AND SPECIFIED ON THE DRAWINGS.
- OCCUPANCY SENSORS, POWER PACKS AND CONTROLS ARE SHOWN DIAGRAMMATICALLY. INFRARED SENSORS MUST REMAIN AT A MINIMUM OF 4'-0" AWAY FROM ANY MECHANICAL HEAT DIFFUSER TO ELIMINATE FALSE TRIPS. CIRCUIT LINES ARE SHOWN FROM SWITCHES TO LIGHT FIXTURES TO COMMUNICATE SWITCHING CONFIGURATION ONLY. ALL SENSORS, POWER PACKS AND WIRING MUST BE WIRED PER MANUFACTURER'S WIRING METHOD.
- A SINGLE POWER PACK CAN HAVE MULTIPLE SWITCHES WIRED TO THE DEVICE PROVIDED THAT THE FIXTURES BEING CONTROLLED BY THESE SWITCHES ARE ON THE SAME CIRCUIT. TWO POWER PACKS ARE REQUIRED IF A SECOND CIRCUIT IS INTRODUCED. REFER TO MANUFACTURER'S WIRING METHODS. POWER PACKS AND OR OCCUPANCY SENSORS SHALL INCLUDE A HVAC RELAY AS SCHEDULED AND NOTED ON THE DRAWINGS FOR THE BUILDING AUTOMATION SYSTEM CONNECTION. BUILDING AUTOMATION WIRING SHALL BE COMPLETED AS PART OF THE TEMPERATURE CONTROL CONTRACTORS BID.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING PENETRATIONS THRU FIRE RATED WALLS FOR THEIR WORK.
- POWER PACKS SHOWN DIAGRAMMATICALLY. WHEN SHOWN IN GYP BOARD CEILING, LOCATE POWER PACK IN NEAREST LAY-IN CEILING OR CLOSET SPACE.



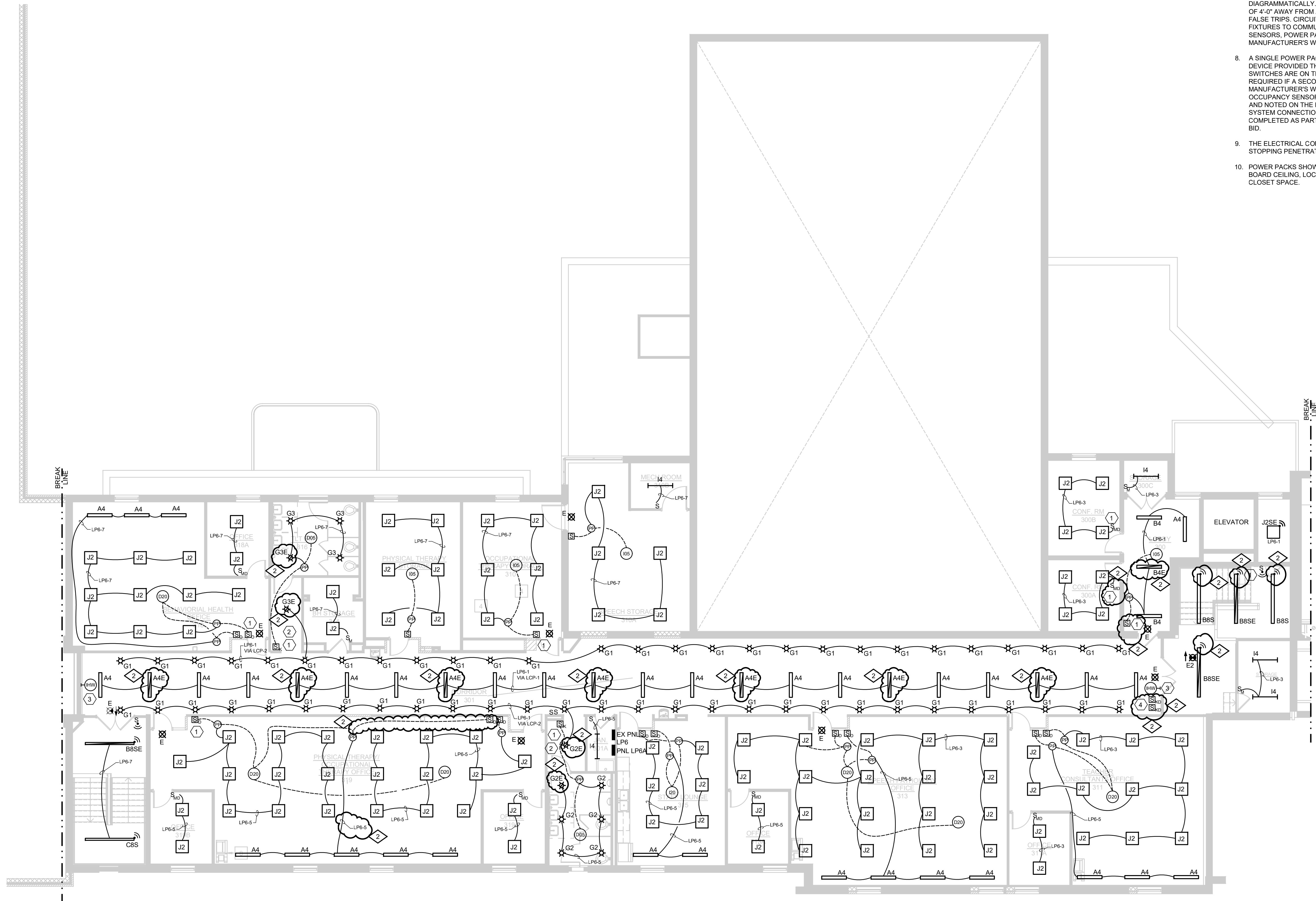


KEYED NOTES

- EXISTING ROUGH-IN TO BE REUSED. FURNISH AND INSTALL NEW DEVICE.
- KEYED SWITCH SHALL CONTROL RESTROOM LIGHTS. EC SHALL CLEARLY LABEL SWITCH.
- INSTALL HALLWAY OCCUPANCY SENSOR PER MANUFACTURER'S INSTRUCTIONS. MOUNT AT 7' AFF WITH CLEAR LINE-OF-SIGHT. TIE IN TO LPE-1.
- KEYED SWITCHES ARE TO CONTROL THE MAIN CORRIDOR LIGHTS AND CORRIDOR DOWNLIGHTS.

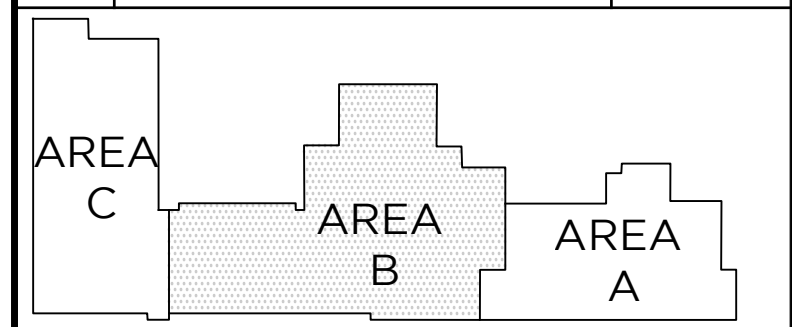
LIGHTING WIRING METHODS

- EXIT LIGHTS SHALL OPERATE 24-7 AND ARE EQUIPPED WITH A BATTERY RATED FOR 90 MINUTES. WIRE THE EXIT LIGHT TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.
- HALF-TONE SHADED FIXTURES REPRESENTS THE FIXTURE IS AN EMERGENCY LIGHT AND EQUIPPED WITH AN EMERGENCY BATTERY PACK.
- CONFIRM LIGHT FIXTURE LAYOUT WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ARCHITECTURAL DETAILS FOR LOCATION AND MOUNTING DETAILS.
- MC CABLE IS ONLY ACCEPTABLE AS A FINAL WIRING CONNECTION TO RECESSED LIGHTING INSTALLED IN ACCESSIBLE CEILINGS. MC CABLE LENGTH SHALL NOT EXCEED 6'-0".
- PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR FOR LIGHTING CIRCUITS. THE USE OF THE RACEWAY FOR A GROUNDING PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
- SMALL ROOMS SUCH AS STORAGE ROOM, INDIVIDUAL TOILET ROOMS, JANITORS CLOSET, DATA CLOSET AND OFFICES SHALL HAVE WALL SWITCH TYPE OCCUPANCY SENSORS SWITCHES TO AUTOMATICALLY CONTROL THE LIGHTS AS NOTED AND SPECIFIED ON THE DRAWINGS.
- OCCUPANCY SENSORS, POWER PACKS AND CONTROLS ARE SHOWN DIAGRAMMATICALLY. INFRARED SENSORS MUST REMAIN AT A MINIMUM OF 4'-0" AWAY FROM ANY MECHANICAL HEAT DIFFUSER TO ELIMINATE FALSE TRIPS. CIRCUIT LINES ARE SHOWN FROM SWITCHES TO LIGHT FIXTURES TO COMMUNICATE SWITCHING CONFIGURATION ONLY. ALL SENSORS, POWER PACKS AND WIRING MUST BE WIRED PER MANUFACTURER'S WIRING METHOD.
- A SINGLE POWER PACK CAN HAVE MULTIPLE SWITCHES WIRED TO THE DEVICE PROVIDED THAT THE FIXTURES BEING CONTROLLED BY THESE SWITCHES ARE ON THE SAME CIRCUIT. TWO POWER PACKS ARE REQUIRED IF A SECOND CIRCUIT IS INTRODUCED. REFER TO MANUFACTURER'S WIRING METHODS. POWER PACKS AND OR OCCUPANCY SENSORS SHALL INCLUDE A HVAC RELAY AS SCHEDULED AND NOTED ON THE DRAWINGS FOR THE BUILDING AUTOMATION SYSTEM CONNECTION. BUILDING AUTOMATION WIRING SHALL BE COMPLETED AS PART OF THE TEMPERATURE CONTROL CONTRACTOR'S BID.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING PENETRATIONS THRU FIRE RATED WALLS FOR THEIR WORK.
- POWER PACKS SHOWN DIAGRAMMATICALLY. WHEN SHOWN IN GYP BOARD CEILING, LOCATE POWER PACK IN NEAREST LAY-IN CEILING OR CLOSET SPACE.



LIGHTING PLAN - UPPER LEVEL - AREA B  
1/8"=1'-0"

ADDENDUM 2	09/08/23
ADDENDUM 1	08/31/23
ISSUE FOR BID	08/23/23
NO.	REVISION
DATE	



KEY PLAN  
NORTH NO SCALE

WTA ARCHITECTS  
100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
COPYRIGHT © 2022

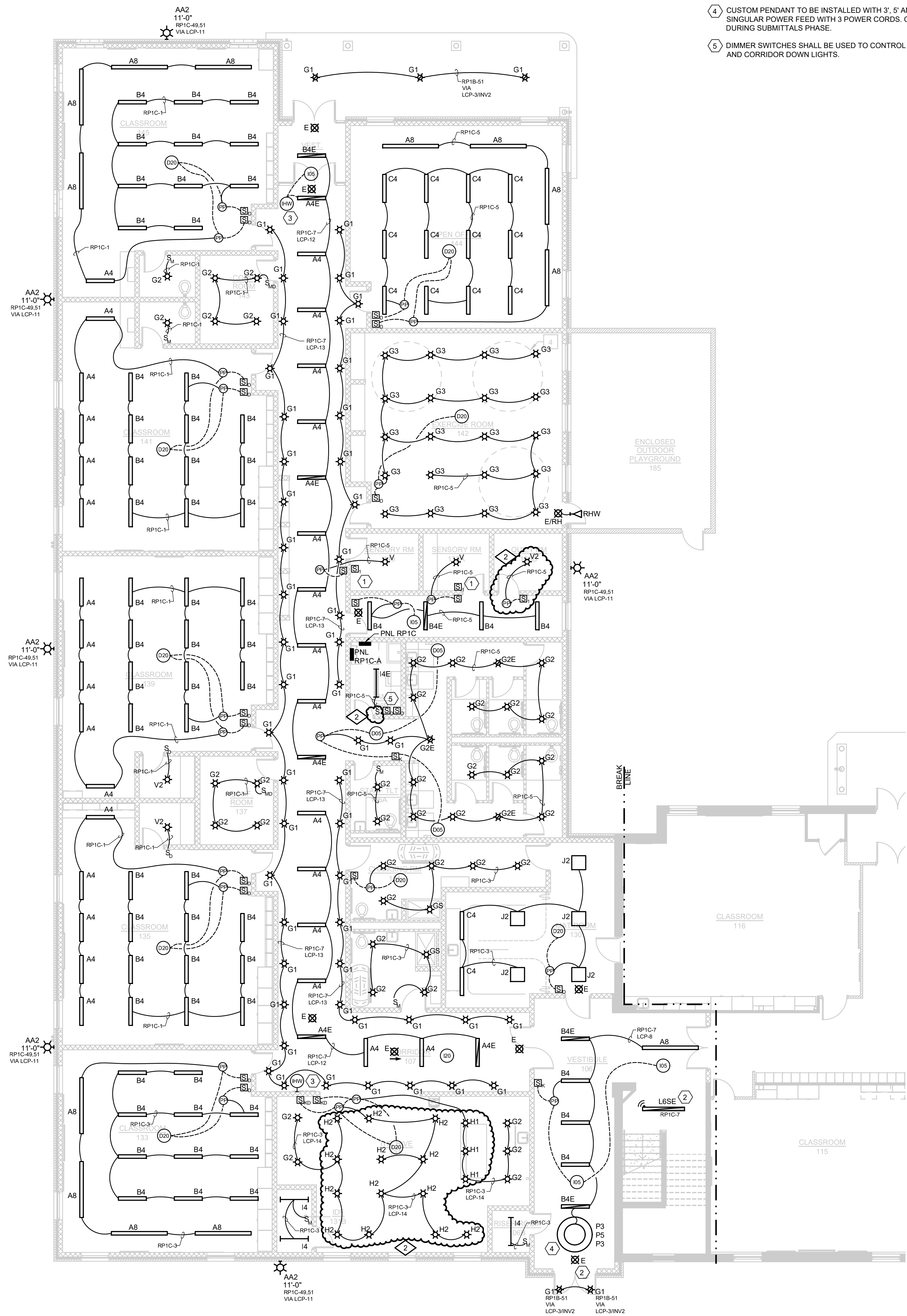
MACMILLAN ASSOCIATES  
CONSULTING ENGINEERS  
714 EAST MIDLAND STREET • BAY CITY, MICHIGAN 48606  
(989) 894-4300 • T (989) 894-9930 WWW.MACMILLANASSOCIATES.COM

PROJECT TITLE  
ADDITION AND RENOVATION:  
MIDLAND COUNTY ESA  
MIDLAND, MICHIGAN

SHEET TITLE  
LIGHTING PLAN -  
UPPER LEVEL  
AREA B

PROJECT NUMBER 2022006.1	SHEET NUMBER E2.04
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JWF	



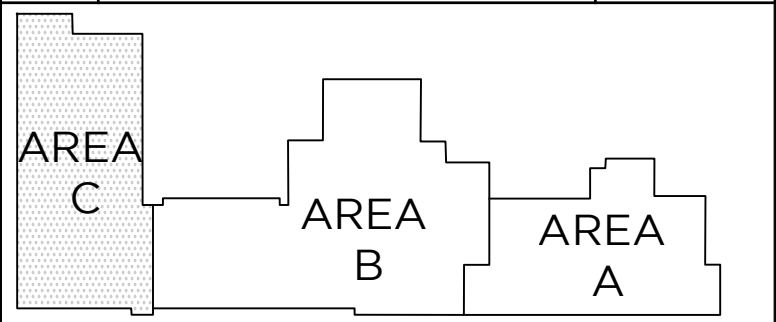


NORTH  
LIGHTING PLAN - ADDITION - AREA C  
1/8"=1'-0"

- KEYED NOTES**
- INTERIOR LOW VOLTAGE SWITCH SHALL CONTROL ON/OFF, RAISE/LOWER, AND CCT IN SENSORS ROOM. EXTERIOR LOW VOLTAGE SWITCH SHALL BE MANUAL OVERRIDE.
  - INSTALL HALLWAY OCCUPANCY SENSOR PER MANUFACTURER'S INSTRUCTIONS. MOUNT AT 7' AFF WITH CLEAR LINE-OF-SIGHT. TIE IN TO LCP-1.
  - INSTALL HALLWAY OCCUPANCY SENSOR PER MANUFACTURER'S INSTRUCTIONS. MOUNT AT 7' AFF WITH CLEAR LINE-OF-SIGHT. TIE IN TO LCP-1.
  - CUSTOM PENDANT TO BE INSTALLED WITH 3', 5' AND 3' DIAMETER RINGS. SINGULAR POWER FEED WITH 3 POWER CORDS. COORDINATE MOUNTING DURING SUBMITTALS PHASE.
  - DIMMER SWITCHES SHALL BE USED TO CONTROL MAIN CORRIDOR LIGHTS AND CORRIDOR DOWN LIGHTS.

- LIGHTING WIRING METHODS**
- EXIT LIGHTS SHALL OPERATE 24-7 AND ARE EQUIPPED WITH A BATTERY RATED FOR 90 MINUTES. WIRE THE EXIT LIGHT TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.
  - HALF-TONE SHADED FIXTURES REPRESENTS THE FIXTURE IS AN EMERGENCY LIGHT AND EQUIPPED WITH AN EMERGENCY BATTERY PACK.
  - CONFIRM LIGHT FIXTURE LAYOUT WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ARCHITECTURAL DETAILS FOR LOCATION AND MOUNTING DETAILS.
  - MC CABLE IS ONLY ACCEPTABLE AS A FINAL WIRING CONNECTION TO RECESSED LIGHTING INSTALLED IN ACCESSIBLE CEILINGS. MC CABLE LENGTH SHALL NOT EXCEED 6'-0".
  - PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR FOR LIGHTING CIRCUITS. THE USE OF THE RACEWAY FOR A GROUNDING PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
  - SMALL ROOMS SUCH AS STORAGE ROOM, INDIVIDUAL TOILET ROOMS, JANITORS CLOSET, DATA CLOSET AND OFFICES SHALL HAVE WALL SWITCH TYPE OCCUPANCY SENSORS SWITCHES TO AUTOMATICALLY CONTROL THE LIGHTS AS NOTED AND SPECIFIED ON THE DRAWINGS.
  - OCCUPANCY SENSORS, POWER PACKS AND CONTROLS ARE SHOWN DIAGRAMMATICALLY. INFRARED SENSORS MUST REMAIN AT A MINIMUM OF 4'-0" AWAY FROM ANY MECHANICAL HEAT DIFFUSER TO ELIMINATE FALSE TRIPS. CIRCUIT LINES ARE SHOWN FROM SWITCHES TO LIGHT FIXTURES TO COMMUNICATE SWITCHING CONFIGURATION ONLY. ALL SENSORS, POWER PACKS AND WIRING MUST BE WIRED PER MANUFACTURER'S WIRING METHOD.
  - A SINGLE POWER PACK CAN HAVE MULTIPLE SWITCHES WIRED TO THE DEVICE PROVIDED THAT THE FIXTURES BEING CONTROLLED BY THESE SWITCHES ARE ON THE SAME CIRCUIT. TWO POWER PACKS ARE REQUIRED IF A SECOND CIRCUIT IS INTRODUCED. REFER TO MANUFACTURER'S WIRING METHODS. POWER PACKS AND OR OCCUPANCY SENSORS SHALL INCLUDE A HVAC RELAY AS SCHEDULED AND NOTED ON THE DRAWINGS FOR THE BUILDING AUTOMATION SYSTEM CONNECTION. BUILDING AUTOMATION WIRING SHALL BE COMPLETED AS PART OF THE TEMPERATURE CONTROL CONTRACTOR'S BID.
  - THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING PENETRATIONS THRU FIRE RATED WALLS FOR THEIR WORK.
  - POWER PACKS SHOWN DIAGRAMMATICALLY. WHEN SHOWN IN GYP BOARD CEILING, LOCATE POWER PACK IN NEAREST LAY-IN CEILING OR CLOSET SPACE.

2	ADDENDUM 2	09/08/23
1	ADDENDUM 1	08/31/23
	ISSUE FOR BID	08/23/23
NO.	REVISION	DATE



KEY PLAN  
NORTH NO SCALE

WTA ARCHITECTS  
100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
COPYRIGHT © 2022

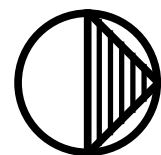
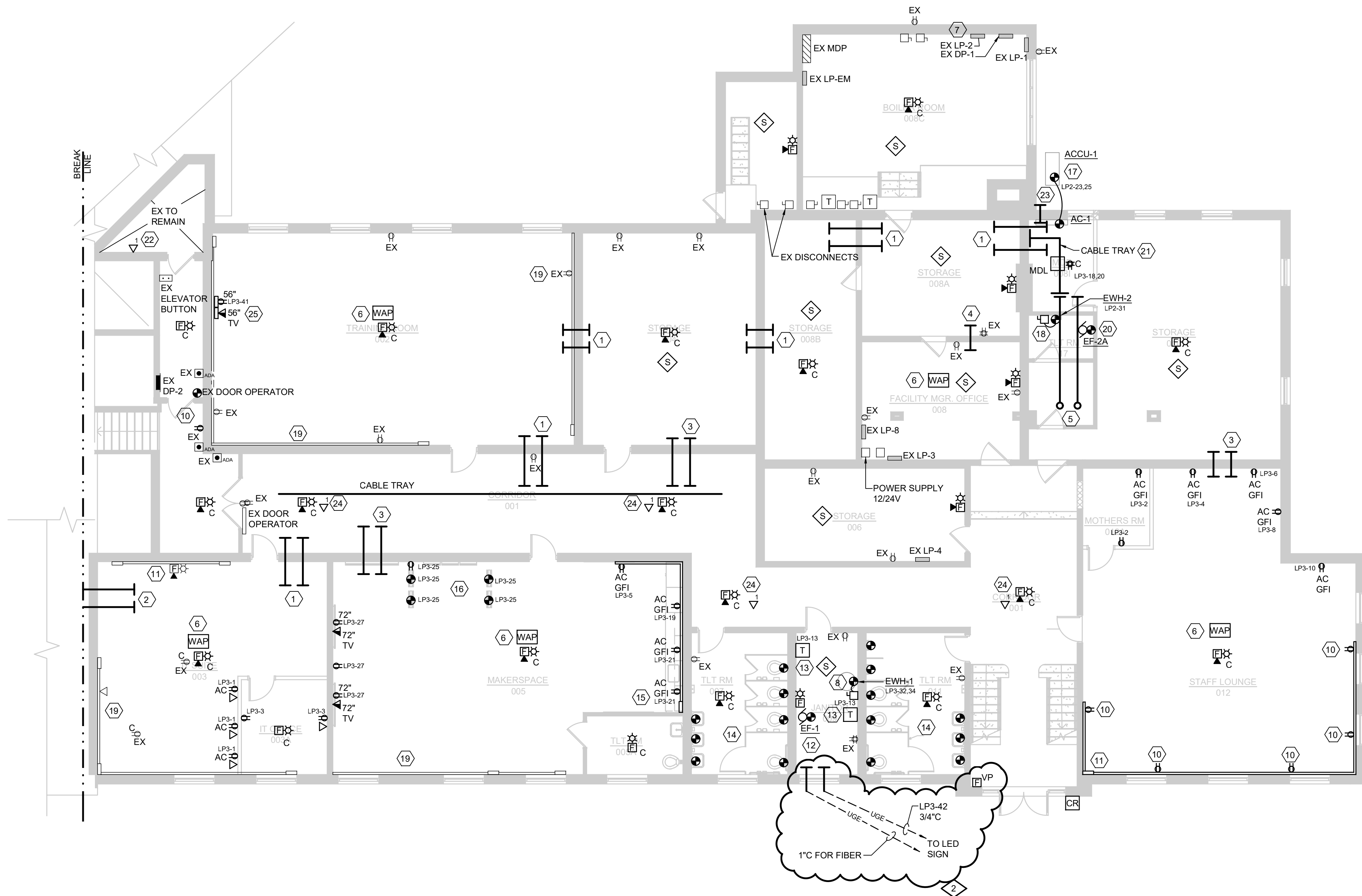
MACMILLAN ASSOCIATES  
CONSULTING ENGINEERS  
714 EAST MIDLAND STREET • BAY CITY, MICHIGAN 48806  
(989) 894-1300 • FAX (989) 894-9930 • WWW.MACMILLANASSOCIATES.COM

PROJECT TITLE  
ADDITION AND RENOVATION:  
MIDLAND COUNTY ESA  
MIDLAND, MICHIGAN

SHEET TITLE  
LIGHTING PLAN  
ADDITION  
AREA C

PROJECT NUMBER 2022006.1	SHEET NUMBER E2.05
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JWF	





POWER AND SYSTEMS PLAN - LOWER LEVEL - AREA A  
1/8"=1'-0"

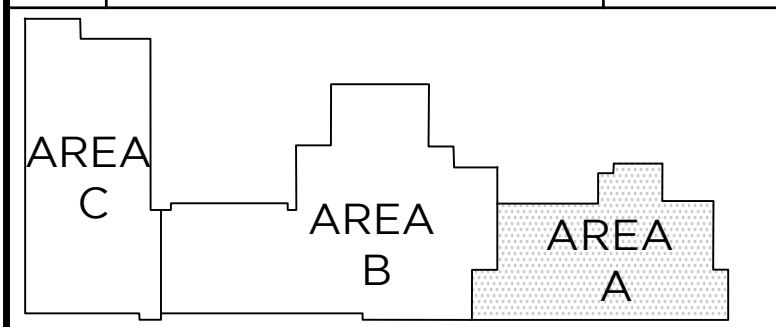
**POWER & SYSTEMS WIRING METHODS**

1. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH RECEPTACLE CIRCUIT. SHARED NEUTRALS ARE NOT PERMITTED.
2. PROVIDE EQUIPMENT GROUNDING CONDUCTOR FOR EACH RECEPTACLE. PROVIDE A #12 MINIMUM GROUNDING CONDUCTOR IN EACH RACEWAY. THE USE OF METAL CONDUIT OR RACEWAY FOR A BOND PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
3. ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT.
4. ALL NEW RECEPTACLES AND VOICE/DATA OUTLETS SHALL BE MOUNTED AT A MINIMUM OF 18" TO THE BOTTOM OF BOX ABOVE THE FINISHED FLOOR, UNLESS NOTED OTHERWISE. 18" IS ONLY AN ACCEPTABLE MOUNTING HEIGHT PENDING FOR MASONRY COARSE LINE INSTALLATION. COORDINATE ALL DEVICE HEIGHTS WITH ARCHITECT.
5. ELECTRICAL TRADES SHALL CONFIRM VOICE/DATA AND RECEPTACLE LOCATION WITH THE OWNER'S FURNITURE LAYOUTS AND INSTALLATION.
6. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
7. GENERAL PURPOSE DUPLEX RECEPTACLES SHALL BE WHITE, GRAY OR IVORY AS ADVISED BY THE ARCHITECT.
8. FIRE ALARM WIRING INSTALLED ABOVE THE FINISHED CEILING IS ACCEPTABLE TO USE THE FREE-AIR METHOD. USE "J" HOOKS OR "D" RINGS FOR SUPPORT METHODS. PROVIDE PLENUM RATED CABLE FOR THE ENTIRE PROJECT.
9. FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM CODE, BUREAU OF FIRE SERVICES, 2003 MICHIGAN BARRIER FREE DESIGN MANUAL AND OTHER APPLICABLE CODES. MOUNTING HEIGHT REQUIREMENTS:
  - WALL MOUNTED AUDIOVISUAL UNITS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR. CEILING MOUNTED DEVICES ARE ACCEPTABLE AND ARE NOTED ON THE DRAWINGS.
  - MANUAL PULL STATIONS SHALL BE MOUNTED 48" MAXIMUM TO THE TOP OF BOX FROM THE FINISHED FLOOR.
10. J-HOOKS AND CONDUIT OR CABLE TRAY SHALL BE USED FOR THE LOW-VOLTAGE SYSTEM WIRING INCLUDING BUT NOT LIMITED TO: FIRE ALARM, VOICE, DATA, PA, LIGHTING CONTROL, ETC.
11. USE MINIMUM 1" CONDUIT SIZE FOR VOICE/DATA OUTLET DROPS. EXTEND THE CONDUIT TO THE ADJACENT CORRIDOR ACCESSIBLE CEILING SPACE.
12. MC CABLE IS ONLY ACCEPTABLE FOR FINAL LIGHT FIXTURE CONNECTIONS ABOVE THE LAY-IN CEILING ON THIS PROJECT, UNLESS SPECIFICALLY NOTED.
13. RECEPTACLES, VOICE AND DATA OUTLET LOCATIONS SHOWN IN THE OFFICES, WORKROOM, CONFERENCE/LOUNGE AREA ARE BASED ON WORKSTATION, CASEWORK SHOWN AND THE ANTICIPATED OFFICE FURNITURE ARRANGEMENTS. CONFIRM THE FINAL LOCATIONS DURING THE ROUGH-IN PHASE.
14. VERIFY LOCATION AND ORIENTATION OF EXISTING STRUCTURAL FRAMING PRIOR TO CORING FLOOR FOR PENETRATION. EXISTING FRAMING SHALL NOT BE CUT, ADJUSTED, OR CHANGED IN ANY WAY WITHOUT APPROVAL OF STRUCTURAL ENGINEER AND ARCHITECT.
15. VERIFY ADA OPERATOR LOCATIONS WITH ARCHITECTURAL PLANS AND DOOR HARDWARE VENDOR PRIOR TO ROUGH-IN.

**KEYED NOTES**

- (1) FURNISH AND INSTALL (4) 2" CONDUIT STUBS INTO ACCESSIBLE CEILING SPACE FOR LOW VOLTAGE CABLING.
- (2) FURNISH AND INSTALL (4) 2" CONDUIT STUBS. DESIGN INTENT IS TO PROVIDE CONDUIT PATH FROM LOWER LEVEL AREA A MDF TO MAIN LEVEL AREA B IDF ROOM. COORDINATE LOCATION WITH CONDUIT STUBS FROM IDF ROOM.
- (3) FURNISH AND INSTALL (2) 2" CONDUIT STUBS INTO ACCESSIBLE CEILING SPACE. (1) CONDUIT SHALL BE AN EMPTY SPARE.
- (4) FURNISH AND INSTALL (1) 2" CONDUIT STUB THROUGH WALL INTO ACCESSIBLE CEILING SPACE.
- (5) FURNISH AND INSTALL (4) 2" CONDUIT FROM MDF ROOM TO ACCESSIBLE CEILING SPACE BENEATH PANEL RP2A ELECTRICAL ROOM. COORDINATE LOCATION WITH CONDUIT STUBS IN FLOOR ABOVE.
- (6) INSTALL FLUSH MOUNTED DATA JACK IN CEILING FOR WIRELESS ACCESS POINT.
- (7) EX PANEL LP-EM TO BE REFEED FROM PANEL LP-2. FURNISH AND INSTALL 100A/2P BREAKER IN LP-2.
- (8) FURNISH AND INSTALL 30 AMP NEMA 1 DISCONNECT. PROVIDE 208V, 1PH POWER CONNECTION FROM DISCONNECT TO ELECTRIC WATER HEATER.
- (9) FURNISH AND INSTALL NEW DEVICE IN EXISTING ROUGH-IN. REUSE EXISTING CIRCUIT.
- (10) MODIFY AND EXTEND EXISTING CIRCUITING TO FEED NEW DEVICE.
- (11) FURNISH AND INSTALL NEW WIREMOLD 700 SERIES SURFACE RACEWAY. VERTICAL RUN IN CORNER, HORIZONTAL RUN AT RECEPTACLE STANDARD HEIGHT.
- (12) REUSE EXISTING EXHAUST FAN CIRCUIT TO FEED NEW EF-1 THROUGH FACTORY MOUNTED DISCONNECT. MODIFY AND EXTEND CIRCUIT AS REQUIRED.
- (13) INSTALL AND WIRE LOW VOLTAGE TRANSFORMER FURNISHED BY MECHANICAL TRADES. RUN LOW VOLTAGE WIRING TO BATHROOM SENSORS.
- (14) PROVIDE LOW VOLTAGE POWER CONNECTIONS TO BATHROOM SENSORS AS REQUIRED BY THE MECHANICAL SCHEDULE.
- (15) FURNISH AND INSTALL NEW WIREMOLD 700 SERIES SURFACE RACEWAY. VERTICAL RUN IN CORNER, HORIZONTAL RUN ABOVE COUNTER.
- (16) PROVIDE POWER CONNECTION FROM CEILING TO ILLUMINATED MARKER BOARDS THROUGH POST.
- (17) PROVIDE 208V, 1PH POWER CONNECTION TO ACC-1 THROUGH FACTORY MOUNTED AND WIRED DISCONNECT.
- (18) FURNISH AND INSTALL 30A NEMA 1 DISCONNECT UNDERNEATH SINK CABINET. PROVIDE 120V POWER CONNECTION FROM DISCONNECT TO EWH-2.
- (19) EXISTING WIREMOLD TO REMAIN.
- (20) USE EXISTING EXHAUST FAN CIRCUIT TO FEED NEW EXHAUST FAN THROUGH FACTORY MOUNTED.
- (21) FURNISH AND INSTALL 12 STRAND ARMORED FIBER OPTIC FROM MDL RACK TO EACH OF THE IDF RACKS. ROUTE THRU BUILDING. PROVIDE ALL TERMINATIONS.
- (22) ELECTRICAL CONTRACTOR SHALL PROVIDE CAT6 CABLE FROM ELEVATOR CONTROLLER TO MDL RACK.
- (23) ELECTRICAL CONTRACTOR SHALL PROVIDE NEW 1" RGS CONDUIT STUB 12" BELOW CEILING LINE TO EXTERIOR FOR USE BY OWNER FOR NEW BUILDING FIBER.
- (24) ELECTRICAL CONTRACTOR SHALL ADD DATA JACK IN CORRIDOR FOR FUTURE OWNER SPEAKERS/INTERCOM SYSTEM.
- (25) ELECTRICAL CONTRACTOR SHALL INSTALL WIRE MOLD VERTICALLY DOWN WALL FOR TV DEVICES.

2	ADDENDUM 2	09/08/23
1	ADDENDUM 1	08/31/23
	ISSUE FOR BID	08/23/23
NO.	REVISION	DATE



**WTA ARCHITECTS**  
100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
COPYRIGHT © 2022

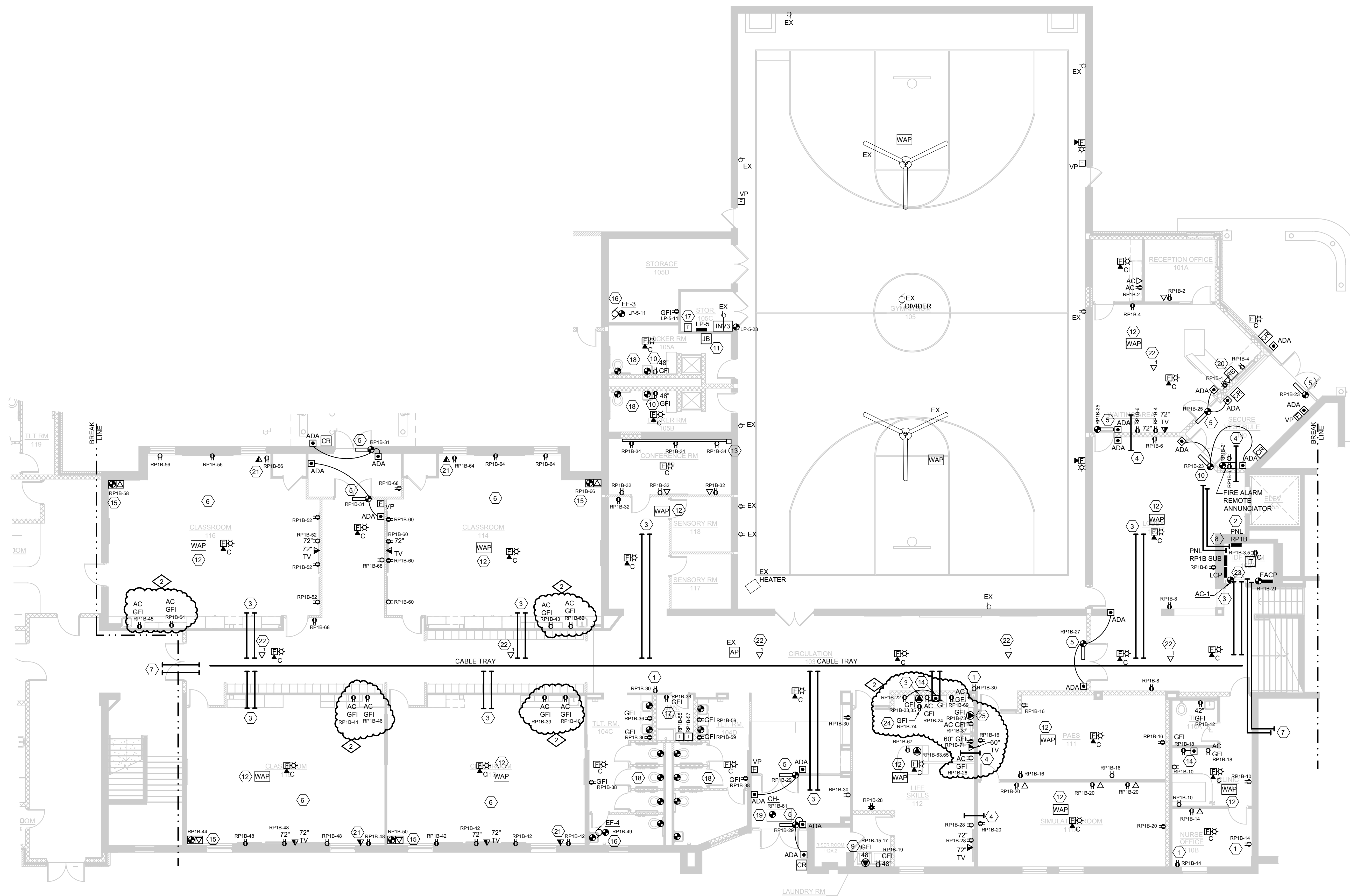
**MACMILLAN ASSOCIATES**  
CONSULTING ENGINEERS  
714 EAST MIDLAND STREET • RAY CITY, MICHIGAN 48166  
(989) 894-4300 • F (989) 894-9930 • WWW.MACMILLANASSOCIATES.COM

PROJECT TITLE  
ADDITION AND RENOVATION:  
MIDLAND COUNTY ESA  
MIDLAND, MICHIGAN

SHEET TITLE  
**POWER AND SYSTEMS PLAN  
LOWER LEVEL  
AREA A**

PROJECT NUMBER <b>2022006.1</b>	SHEET NUMBER <b>E2.06</b>
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JWF	





POWER AND SYSTEMS PLAN - MAIN LEVEL SOUTH WING - AREA B  
1/8"=1'-0"

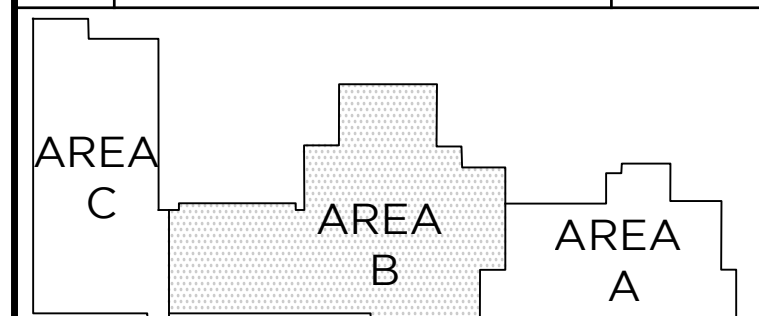
**POWER & SYSTEMS WIRING METHODS**

1. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH RECEPTACLE CIRCUIT. SHARED NEUTRALS ARE NOT PERMITTED.
2. PROVIDE EQUIPMENT GROUNDING CONDUCTOR FOR EACH RECEPTACLE. PROVIDE A #12 MINIMUM GROUNDING CONDUCTOR IN EACH RACEWAY. THE USE OF METAL CONDUIT OR RACEWAY FOR A BOND PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
3. ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT.
4. ALL NEW RECEPTACLES AND VOICE/DATA OUTLETS SHALL BE MOUNTED AT A MINIMUM OF 16" TO THE BOTTOM OF BOX ABOVE THE FINISHED FLOOR, UNLESS NOTED OTHERWISE. 18" IS ONLY AN ACCEPTABLE MOUNTING HEIGHT PENDING FOR MASONRY COARSE LINE INSTALLATION. COORDINATE ALL DEVICE HEIGHTS WITH ARCHITECT.
5. ELECTRICAL TRADES SHALL CONFIRM VOICE/DATA AND RECEPTACLE LOCATION WITH THE OWNER'S FURNITURE LAYOUTS AND INSTALLATION.
6. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
7. GENERAL PURPOSE DUPLEX RECEPTACLES SHALL BE WHITE, GRAY OR IVORY AS ADVISED BY THE ARCHITECT.
8. FIRE ALARM WIRING INSTALLED ABOVE THE FINISHED CEILING IS ACCEPTABLE TO USE THE FREE-AIR METHOD. USE "J" HOOKS OR "D" RINGS FOR SUPPORT METHODS. PROVIDE PLENUM RATED CABLE FOR THE ENTIRE PROJECT.
9. FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM CODE. BUREAU OF FIRE SERVICES, 2003 MICHIGAN BARRIER FREE DESIGN MANUAL AND OTHER APPLICABLE CODES. MOUNTING HEIGHT REQUIREMENTS:
  - WALL MOUNTED AUDIO/VISUAL UNITS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR. CEILING MOUNTED DEVICES ARE ACCEPTABLE AND ARE NOTED ON THE DRAWINGS.
  - MANUAL PULL STATIONS SHALL BE MOUNTED 48" MAXIMUM TO THE TOP OF BOX FROM THE FINISHED FLOOR.
9. ALL BRANCH DEVICES SHALL USE A 4" SQUARE STEEL BOX WITH A SINGLE GANG TRIM RING FOR INTERIOR GYPSUM BOARD WALLS. MASONRY BOXES ARE ACCEPTABLE FOR MASONRY WALL INSTALLATION. NON-METALLIC BOXES ARE NOT ACCEPTABLE FOR THIS PROJECT.
10. J-HOOKS AND CONDUIT OR CABLE TRAY SHALL BE USED FOR THE LOW-VOLTAGE SYSTEM WIRING INCLUDING BUT NOT LIMITED TO: FIRE ALARM, VOICE, DATA, PA, LIGHTING CONTROL, ETC.
11. USE MINIMUM 1" CONDUIT SIZE FOR VOICE/DATA OUTLET DROPS. EXTEND THE CONDUIT TO THE ADJACENT CORRIDOR ACCESSIBLE CEILING SPACE.
12. MC CABLE IS ONLY ACCEPTABLE FOR FINAL LIGHT FIXTURE CONNECTIONS ABOVE THE LAY-IN CEILING ON THIS PROJECT, UNLESS SPECIFICALLY NOTED.
13. RECEPTACLES, VOICE AND DATA OUTLET LOCATIONS SHOWN IN THE OFFICES, WORKROOM, CONFERENCE/LOUNGE AREA ARE BASED ON WORKSTATION, CASEWORK SHOWN AND THE ANTICIPATED OFFICE FURNITURE ARRANGEMENTS. CONFIRM THE FINAL LOCATIONS DURING THE ROUGH-IN PHASE.
14. VERIFY LOCATION AND ORIENTATION OF EXISTING STRUCTURAL FRAMING PRIOR TO CORING FLOOR FOR PENETRATION. EXISTING FRAMING SHALL NOT BE CUT, ADJUSTED, OR CHANGED IN ANY WAY WITHOUT APPROVAL OF STRUCTURAL ENGINEER AND ARCHITECT.
15. VERIFY ADA OPERATOR LOCATIONS WITH ARCHITECTURAL PLANS AND DOOR HARDWARE VENDOR PRIOR TO ROUGH-IN.

**KEYED NOTES**

- 1 EXISTING ROUGH-IN TO BE REUSED. FURNISH AND INSTALL NEW DEVICE AND CONDUCTORS.
- 2 FURNISH AND INSTALL NEW PANEL RP18 AND SUBPANEL.
- 3 FURNISH AND INSTALL (2) 2" CONDUIT STUBS FROM CABLE TRAY TO ACCESSIBLE CEILING SPACE. (1) CONDUIT SHALL BE AN EMPTY SPARE.
- 4 FURNISH AND INSTALL (1) 2" CONDUIT STUB THROUGH WALL INTO ACCESSIBLE CEILING SPACE.
- 5 PROVIDE ROUGH-IN AND POWER CONNECTION TO DOOR OPERATOR.
- 6 PROVIDE 10FT MAINTENANCE LOOP OF CAT6 IN ACCESSIBLE CEILING SPACE NEAR TEACHER'S DESK.
- 7 INSTALL (4) 2" CONDUIT STUBS THROUGH WALL FOR DATA ROUTING FROM MDF.
- 8 FURNISH AND INSTALL (4) 2" CONDUIT STUBS THROUGH WALL AND CEILING FOR DATA ROUTING TO UPPER LEVEL.
- 9 FURNISH AND INSTALL 30A, 208V RECEPTACLE FOR DRYER. SURFACE MOUNT WASHER AND DRYER RECEPTACLES.
- 10 PROVIDE DEDICATED CIRCUIT TO FEED BATHROOM GFI RECEPTACLE FROM NEW PANEL LP-5.
- 11 NEW PANEL LP-5 TO FEED OLD PANEL LP-5 REMAINING LOADS. MOUNT JUNCTION BOX IN LOCKER ROOM TO INTERCEPT EXISTING CIRCUITS AND REDIRECT TO NEW PANEL LP-5. MODIFY AND EXTEND CIRCUITS AS NECESSARY.
- 12 FURNISH AND INSTALL FLUSH MOUNTED DATA JACK IN CEILING FOR WIRELESS ACCESS POINT.
- 13 FURNISH AND INSTALL WIREMOLD FROM CEILING DOWN THE WALL IN CORNER. INSTALL HORIZONTAL RUN AT RECEPTACLE HEIGHT.
- 14 FURNISH AND INSTALL GFI PASS THROUGH DEVICE ABOVE COUNTER FOR FRIDGE RECEPTACLE.
- 15 PROVIDE POWER CONNECTION AND 3 CAT6 DATA CONNECTIONS TO FURNITURE BASE FEED. USE FURRING WALL TO ROUTE POWER AND DATA DOWN TO FURNITURE.
- 16 PROVIDE POWER CONNECTION TO EXHAUST FAN THROUGH FACTORY MOUNTED DISCONNECT.
- 17 INSTALL AND WIRE LOW VOLTAGE TRANSFORMER FURNISHED BY MECHANICAL TRADES. RUN LOW VOLTAGE WIRING TO BATHROOM SENSORS.
- 18 PROVIDE LOW VOLTAGE POWER CONNECTIONS TO BATHROOM SENSORS AS REQUIRED BY THE MECHANICAL SCHEDULE.
- 19 PROVIDE 120V POWER CONNECTION TO CABINET HEATER THROUGH FACTORY MOUNTED AND WIRED DISCONNECT.
- 20 ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN ABOVE RECEPTION COUNTER FOR DOOR HARDWARE RECEPTION BUTTON.
- 21 HDMI CONNECTION SHALL BE FROM TEACHER'S DESK LOCATION TO CLASSROOM MONITOR.
- 22 ELECTRICAL CONTRACTOR SHALL ADD DATA JACK IN CORRIDOR/OPEN OFFICE FOR FUTURE OWNER SPEAKERS/INTERCOM SYSTEM.
- 23 AC-1 SHALL BE POWERED FROM ACCU-1 ON ROOF.
- 24 ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL MOUNTING LOCATION AND HEIGHT OF MICROWAVE RECEPTACLE WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- 25 ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL ELECTRICAL ENTRANCE FOR DISHWASHER WITH PLUMBING USING ADA DISHWASHER INSTALLATION SHEET.

	ADDENDUM 2	09/08/23
	ISSUE FOR BID	08/23/23
NO.	REVISION	DATE



WTA ARCHITECTS  
100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
COPYRIGHT © 2022

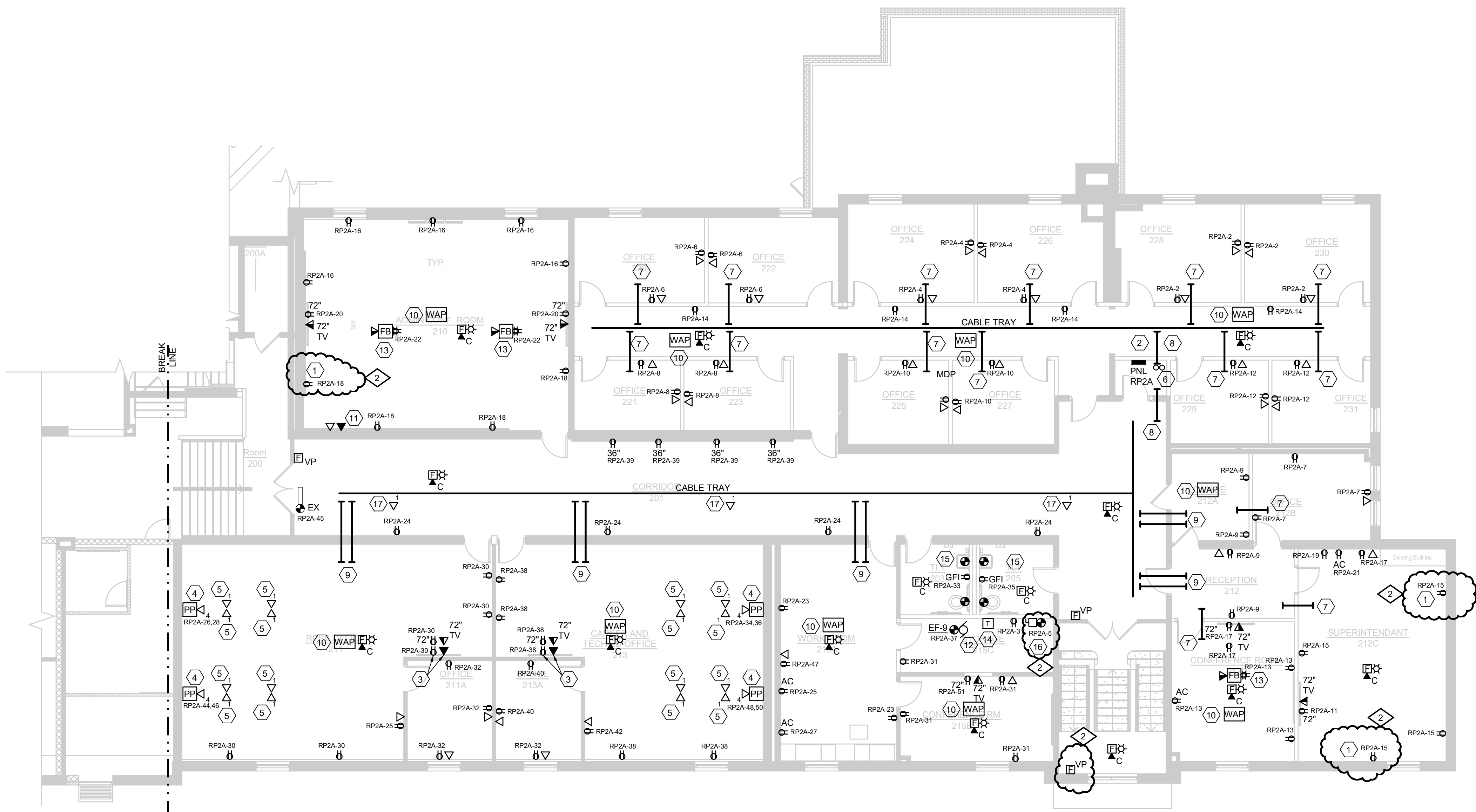
MACMILLAN ASSOCIATES  
CONSULTING ENGINEERS  
714 EAST MIDLAND STREET • BAY CITY, MICHIGAN 48806  
(888) 894-4300 • T (989) 894-9930 WWW.MACMILLANASSOCIATES.COM

PROJECT TITLE  
ADDITION AND RENOVATION:  
MIDLAND COUNTY ESA  
MIDLAND, MICHIGAN

SHEET TITLE  
POWER AND SYSTEMS PLAN  
MAIN LEVEL  
SOUTH WING - AREA B

PROJECT NUMBER 2022006.1	SHEET NUMBER E2.07
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JWF	





POWER AND SYSTEMS PLAN - MAIN LEVEL NORTH WING - AREA A  
1/8"=1'-0"

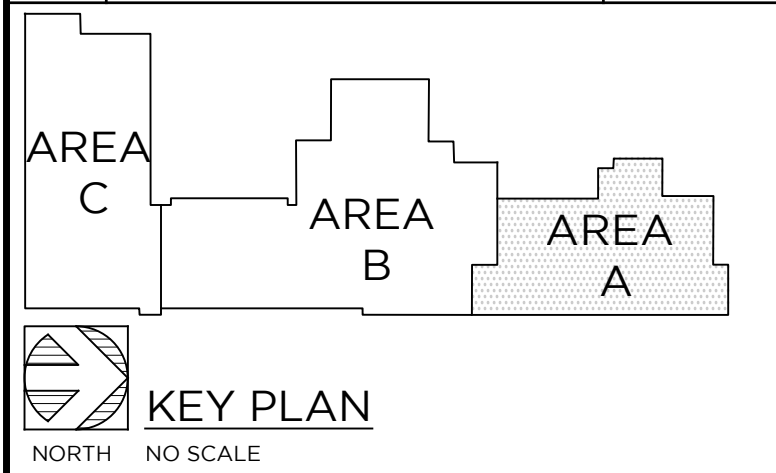
POWER & SYSTEMS WIRING METHODS

1. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH RECEPTACLE CIRCUIT. SHARED NEUTRALS ARE NOT PERMITTED.
2. PROVIDE EQUIPMENT GROUNDING CONDUCTOR FOR EACH RECEPTACLE. PROVIDE A #12 MINIMUM GROUNDING CONDUCTOR IN EACH RACEWAY. THE USE OF METAL CONDUIT OR RACEWAY FOR A BOND PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
3. ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT.
4. ALL NEW RECEPTACLES AND VOICE/DATA OUTLETS SHALL BE MOUNTED AT A MINIMUM OF 16" TO THE BOTTOM OF BOX ABOVE THE FINISHED FLOOR, UNLESS NOTED OTHERWISE. 18" IS ONLY AN ACCEPTABLE MOUNTING HEIGHT PENDING FOR MASONRY COARSE LINE INSTALLATION. COORDINATE ALL DEVICE HEIGHTS WITH ARCHITECT.
5. ELECTRICAL TRADES SHALL CONFIRM VOICE/DATA AND RECEPTACLE LOCATION WITH THE OWNER'S FURNITURE LAYOUTS AND INSTALLATION.
6. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
7. GENERAL PURPOSE DUPLEX RECEPTACLES SHALL BE WHITE, GRAY OR IVORY AS ADVISED BY THE ARCHITECT.
8. FIRE ALARM WIRING INSTALLED ABOVE THE FINISHED CEILING IS ACCEPTABLE TO USE THE FREE-AIR METHOD. USE 1" HOOKS OR 10" RINGS FOR SUPPORT METHODS. PROVIDE PLENUM RATED CABLE FOR THE ENTIRE PROJECT.
9. FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM CODE, BUREAU OF FIRE SERVICES, 2003 MICHIGAN BARRIER FREE DESIGN MANUAL AND OTHER APPLICABLE CODES. MOUNTING HEIGHT REQUIREMENTS:
  - WALL MOUNTED AUDIO/VISUAL UNITS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 98" ABOVE THE FINISHED FLOOR. CEILING MOUNTED DEVICES ARE ACCEPTABLE AND ARE NOTED ON THE DRAWINGS.
  - MANUAL PULL STATIONS SHALL BE MOUNTED 48" MAXIMUM TO THE TOP OF BOX FROM THE FINISHED FLOOR.
9. ALL BRANCH DEVICES SHALL USE A 4" SQUARE STEEL BOX WITH A SINGLE GANG TRIM RING FOR INTERIOR GYPSUM BOARD WALLS. MASONRY BOXES ARE ACCEPTABLE FOR MASONRY WALL INSTALLATION. NON-METALLIC BOXES ARE NOT ACCEPTABLE FOR THIS PROJECT.
10. J-HOOKS AND CONDUIT OR CABLE TRAY SHALL BE USED FOR THE LOW-VOLTAGE SYSTEM WIRING INCLUDING BUT NOT LIMITED TO: FIRE ALARM, VOICE, DATA, PA, LIGHTING CONTROL, ETC.
11. USE MINIMUM 1" CONDUIT SIZE FOR VOICE/DATA OUTLET DROPS. EXTEND THE CONDUIT TO THE ADJACENT CORRIDOR ACCESSIBLE CEILING SPACE.
12. MC CABLE IS ONLY ACCEPTABLE FOR FINAL LIGHT FIXTURE CONNECTIONS ABOVE THE LAY-IN CEILING ON THIS PROJECT, UNLESS SPECIFICALLY NOTED.
13. RECEPTACLES, VOICE AND DATA OUTLET LOCATIONS SHOWN IN THE OFFICES, WORKROOM, CONFERENCE/LOUNGE AREA ARE BASED ON WORKSTATION, CASEWORK SHOWN AND THE ANTICIPATED OFFICE FURNITURE ARRANGEMENTS. CONFIRM THE FINAL LOCATIONS DURING THE ROUGH-IN PHASE.
14. VERIFY LOCATION AND ORIENTATION OF EXISTING STRUCTURAL FRAMING PRIOR TO CORING FLOOR FOR PENETRATION. EXISTING FRAMING SHALL NOT BE CUT, ADJUSTED, OR CHANGED IN ANY WAY WITHOUT APPROVAL OF STRUCTURAL ENGINEER AND ARCHITECT.
15. VERIFY ADA OPERATOR LOCATIONS WITH ARCHITECTURAL PLANS AND DOOR HARDWARE VENDOR PRIOR TO ROUGH-IN.

KEYED NOTES

- (1) EXISTING ROUGH-IN TO BE REUSED. FURNISH AND INSTALL NEW DEVICE AND CONDUCTORS.
- (2) FURNISH AND INSTALL NEW PANEL RP2A. REFER TO ONE LINE.
- (3) FURNISH AND INSTALL POWER AND HDMI TV POWER 6" ABOVE DESK TO CENTERLINE OF ROUGH-INS.
- (4) ROUTE POWER AND DATA THROUGH POWER POLE. EACH DESK SHALL HAVE ONE RECEPTACLE AND ONE DATA PORT.
- (5) UTILIZE POWER POLE FOR POWER AND RACEWAY FOR DATA TO DESK.
- (6) FURNISH AND INSTALL (2) 4" CONDUITS THROUGH FLOOR FOR DATA ROUTING.
- (7) FURNISH AND INSTALL (1) 2" CONDUIT INTO ACCESSIBLE CEILING SPACE.
- (8) FURNISH AND INSTALL (1) 4" CONDUIT FOR DATA ROUTING TO CABLE TRAY.
- (9) FURNISH AND INSTALL (2) 2" CONDUITS INTO ACCESSIBLE CEILING SPACE. (1) CONDUIT SHALL BE AN EMPTY SPARE.
- (10) INSTALL FLUSH MOUNTED DATA JACK IN CEILING FOR WIRELESS ACCESS POINT.
- (11) ROUTE 1" CONDUIT FROM HDMI OUTLET TO ACCESSIBLE CEILING SPACE AND TO ACCESSIBLE CEILING SPACE IN FLOOR BELOW. (1) HDMI WILL BE CONNECTED TO EACH FLOORBOX, AND (1) HDMI WILL BE CONNECTED TO EACH TV. (4) CONNECTIONS IN TOTAL WILL BE AVAILABLE AT HDMI OUTLET.
- (12) PROVIDE POWER CONNECTION TO EXHAUST FAN THROUGH FACTORY MOUNTED DISCONNECT.
- (13) FURNISH AND INSTALL FIRE RATED POKE-THRU FLOORBOX. REFER TO ELECTRICAL SCHEDULES.
- (14) INSTALL AND WIRE LOW VOLTAGE TRANSFORMER FURNISHED BY MECHANICAL TRADES. RUN LOW VOLTAGE WIRING TO BATHROOM SENSORS.
- (15) PROVIDE LOW VOLTAGE POWER CONNECTIONS TO BATHROOM SENSORS AS REQUIRED BY THE MECHANICAL SCHEDULE.
- (16) FURNISH AND INSTALL 30A NEMA 1 DISCONNECT UNDERNEATH SINK CABINET. PROVIDE 120V POWER CONNECTION FROM DISCONNECT TO EWH-2.
- (17) ELECTRICAL CONTRACTOR SHALL ADD DATA JACK IN CORRIDOR FOR FUTURE OWNER SPEAKERS/INTERCOM SYSTEM.

2	ADDENDUM 2	09/08/23
1	ADDENDUM 1	08/31/23
	ISSUE FOR BID	08/23/23
NO.	REVISION	DATE



WTA ARCHITECTS  
100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107  
COPYRIGHT © 2022

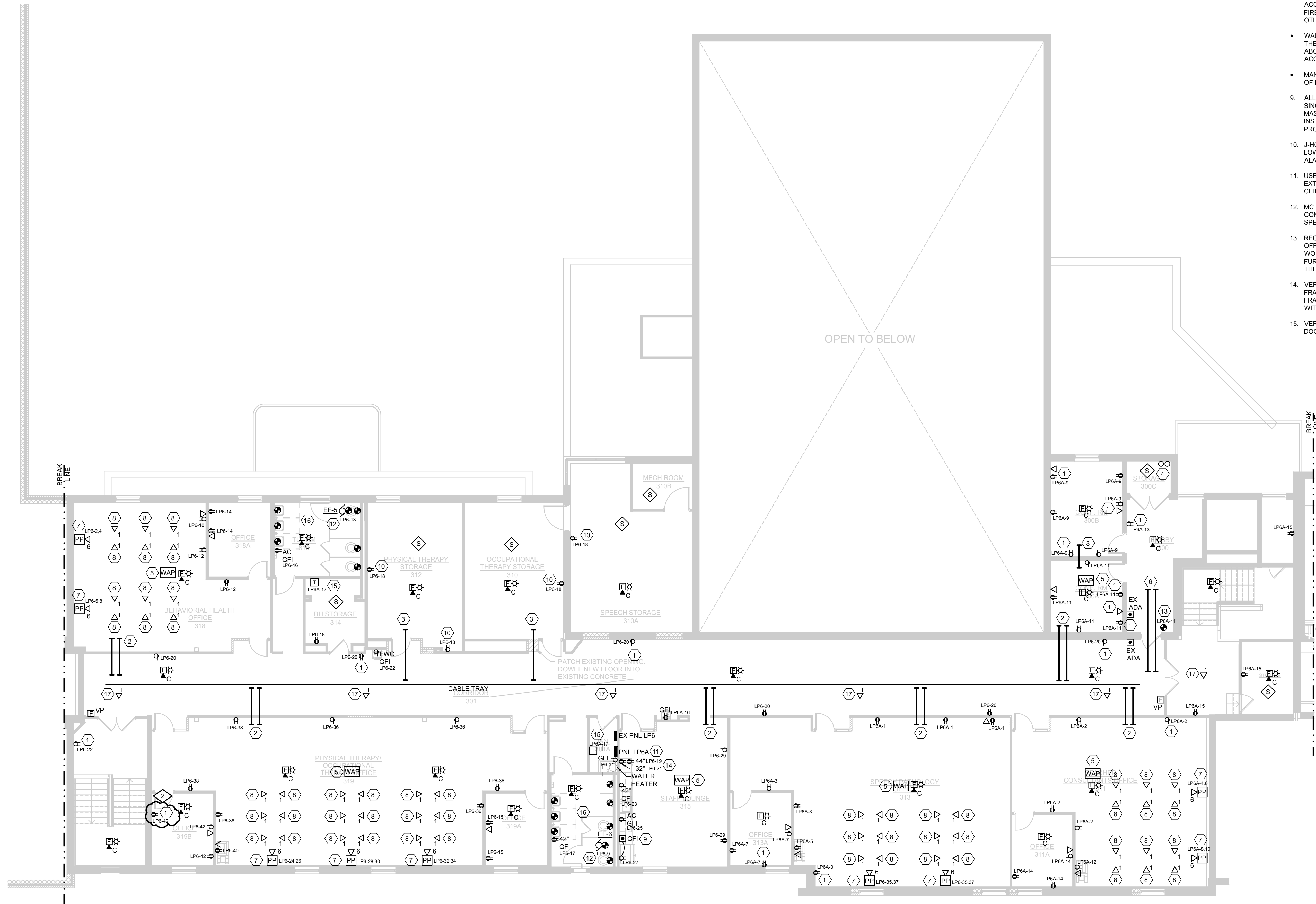
MACMILLAN ASSOCIATES  
CONSULTING ENGINEERS  
74 EAST MIDLAND STREET • BAY CITY, MICHIGAN 49706  
(888) 894-4300 • T (888) 894-9930 • WWW.MACMILLANASSOCIATES.COM

PROJECT TITLE  
ADDITION AND RENOVATION:  
MIDLAND COUNTY ESA  
MIDLAND, MICHIGAN

SHEET TITLE  
POWER AND SYSTEMS PLAN  
MAIN LEVEL  
NORTH WING - AREA A

PROJECT NUMBER 2022006.1	SHEET NUMBER E2.08
PROJECT DATE AUGUST 23, 2023	
CHECKED BY JWF	





POWER AND SYSTEMS PLAN - UPPER LEVEL - AREA B  
1/8"=1'-0"

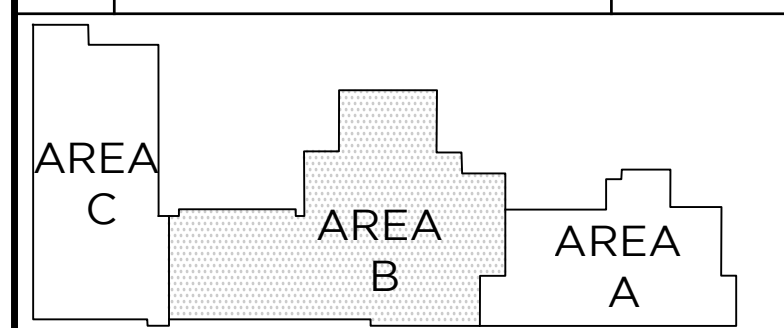
#### POWER & SYSTEMS WIRING METHODS

1. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH RECEPTACLE CIRCUIT. SHARED NEUTRALS ARE NOT PERMITTED.
2. PROVIDE EQUIPMENT GROUNDING CONDUCTOR FOR EACH RECEPTACLE. PROVIDE A #12 MINIMUM GROUNDING CONDUCTOR IN EACH RACEWAY. THE USE OF METAL CONDUIT OR RACEWAY FOR A BOND PATH IS NOT ACCEPTABLE FOR THIS PROJECT.
3. ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT.
4. ALL NEW RECEPTACLES AND VOICE/DATA OUTLETS SHALL BE MOUNTED AT A MINIMUM OF 16" TO THE BOTTOM OF BOX ABOVE THE FINISHED FLOOR. UNLESS NOTED OTHERWISE, 16" IS ONLY AN ACCEPTABLE MOUNTING HEIGHT PENDING FOR MASONRY COARSE LINE INSTALLATION. COORDINATE ALL DEVICE HEIGHTS WITH ARCHITECT.
5. ELECTRICAL TRADES SHALL CONFIRM VOICE/DATA AND RECEPTACLE LOCATION WITH THE OWNER'S FURNITURE LAYOUTS AND INSTALLATION.
6. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
7. GENERAL PURPOSE DUPLEX RECEPTACLES SHALL BE WHITE, GRAY OR IVORY AS ADVISED BY THE ARCHITECT.
8. FIRE ALARM WIRING INSTALLED ABOVE THE FINISHED CEILING IS ACCEPTABLE TO USE THE FREE-AIR METHOD. USE "J" HOOKS OR "D" RINGS FOR SUPPORT METHODS. PROVIDE PLENUM RATED CABLE FOR THE ENTIRE PROJECT.
9. FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM CODE, BUREAU OF FIRE SERVICES, 2003 MICHIGAN BARRIER FREE DESIGN MANUAL AND OTHER APPLICABLE CODES. MOUNTING HEIGHT REQUIREMENTS:
  - WALL MOUNTED AUDIO/VISUAL UNITS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR. CEILING MOUNTED DEVICES ARE ACCEPTABLE AND ARE NOTED ON THE DRAWINGS.
  - MANUAL PULL STATIONS SHALL BE MOUNTED 48" MAXIMUM TO THE TOP OF BOX FROM THE FINISHED FLOOR.
9. ALL BRANCH DEVICES SHALL USE A 4" SQUARE STEEL BOX WITH A SINGLE GANG TRIM RING FOR INTERIOR GYPSUM BOARD WALLS. MASONRY BOXES ARE ACCEPTABLE FOR MASONRY WALL INSTALLATION. NON-METALLIC BOXES ARE NOT ACCEPTABLE FOR THIS PROJECT.
10. J-HOOKS AND CONDUIT OR CABLE TRAY SHALL BE USED FOR THE LOW-VOLTAGE SYSTEM WIRING INCLUDING BUT NOT LIMITED TO: FIRE ALARM, VOICE, DATA, FA, LIGHTING CONTROL, ETC.
11. USE MINIMUM 1" CONDUIT SIZE FOR VOICE/DATA OUTLET DROPS. EXTEND THE CONDUIT TO THE ADJACENT CORRIDOR ACCESSIBLE CEILING SPACE.
12. MC CABLE IS ONLY ACCEPTABLE FOR FINAL LIGHT FIXTURE CONNECTIONS ABOVE THE LAY-IN CEILING ON THIS PROJECT, UNLESS SPECIFICALLY NOTED.
13. RECEPTACLES, VOICE AND DATA OUTLET LOCATIONS SHOWN IN THE OFFICES, WORKROOM, CONFERENCE/LOUNGE AREA ARE BASED ON WORKSTATION, CASEWORK SHOWN AND THE ANTICIPATED OFFICE FURNITURE ARRANGEMENTS. CONFIRM THE FINAL LOCATIONS DURING THE ROUGH-IN PHASE.
14. VERIFY LOCATION AND ORIENTATION OF EXISTING STRUCTURAL FRAMING PRIOR TO CORING FLOOR FOR PENETRATION. EXISTING FRAMING SHALL NOT BE CUT, ADJUSTED, OR CHANGED IN ANY WAY WITHOUT APPROVAL OF STRUCTURAL ENGINEER AND ARCHITECT.
15. VERIFY ADA OPERATOR LOCATIONS WITH ARCHITECTURAL PLANS AND DOOR HARDWARE VENDOR PRIOR TO ROUGH-IN.

#### KEYED NOTES

1. EXISTING ROUGH-IN TO BE REUSED, FURNISH AND INSTALL NEW DEVICE.
2. FURNISH AND INSTALL (2) 2" CONDUITS INTO ACCESSIBLE CEILING SPACE. (1) CONDUIT SHALL BE AN EMPTY SPARE.
3. FURNISH AND INSTALL (1) 2" CONDUIT INTO ACCESSIBLE CEILING SPACE.
4. FURNISH AND INSTALL (2) 4" CONDUITS THROUGH FLOOR FOR DATA ROUTING. COORDINATE LOCATION WITH MAIN LEVEL - AREA B.
5. INSTALL FLUSH MOUNTED DATA JACK IN CEILING FOR WIRELESS ACCESS POINT.
6. FURNISH AND INSTALL (2) 4" CONDUITS IN CEILING.
7. ROUTE POWER AND DATA THROUGH POWER POLE. EACH DESK SHALL HAVE ONE RECEPTACLE AND ONE DATA PORT.
8. UTILIZE POWER POLE FOR POWER AND RACEWAY FOR DATA TO DESK.
9. FURNISH AND INSTALL GFI PASS THROUGH DEVICE ABOVE COUNTER TO FEED REFRIGERATOR RECEPTACLE.
10. REUSE EXISTING SURFACE CONDUIT AND BOX. INSTALL NEW DEVICE.
11. FURNISH AND INSTALL NEW PANEL LP6A. FEED FROM PANEL LP6. REFER TO PANEL SCHEDULES.
12. PROVIDE POWER CONNECTION TO EXHAUST FAN THROUGH FACTORY MOUNTED DISCONNECT.
13. PROVIDE POWER CONNECTION TO ADA DOOR OPERATOR.
14. FURNISH AND INSTALL (2) RECEPTACLES FOR DUAL MICROWAVE CABINET. COORDINATE DEVICE HEIGHTS WITH ARCHITECTURAL DETAIL PRIOR TO INSTALLATION.
15. INSTALL AND WIRE LOW VOLTAGE TRANSFORMER FURNISHED BY MECHANICAL TRADES. RUN LOW VOLTAGE WIRING TO BATHROOM SENSORS.
16. PROVIDE LOW VOLTAGE POWER CONNECTIONS TO BATHROOM SENSORS AS REQUIRED BY THE MECHANICAL SCHEDULE.
17. ELECTRICAL CONTRACTOR SHALL ADD DATA JACK IN CORRIDOR FOR FUTURE OWNER SPEAKERS/INTERCOM SYSTEM.

	ADDENDUM 2	09/08/23
	ISSUE FOR BID	08/23/23
NO.	REVISION	DATE



#### KEY PLAN

NORTH NO SCALE



WTAARCH.COM

## WTA ARCHITECTS

100 S. Jefferson Ave, Suite 601  
Saginaw, Michigan 48607  
989 752 8107

COPYRIGHT © 2022



100 EAST MIDLAND STREET • BAY CITY, MICHIGAN 49706  
800 894-1300 • 519 894-9930 • WWW.MACMILLANASSOCIATES.COM

PROJECT TITLE

ADDITION AND RENOVATION:

MIDLAND COUNTY ESA

MIDLAND, MICHIGAN

SHEET TITLE  
**POWER AND SYSTEMS PLAN  
UPPER LEVEL  
AREA B**

PROJECT NUMBER

2022006.1

PROJECT DATE

AUGUST 23, 2023

CHECKED BY

JWF

SHEET NUMBER

**E2.09**





1/8"=1'-0"

- ① FURNISH AND INSTALL (4) 2" CONDUIT STUBS IN ACCESSIBLE CEILING SPACE. DESIGN INTENT IS TO PROVIDE CONDUIT PATH FROM MAIN LEVEL AREA B IDF ROOM TO AREA C ADDITION IDF ROOM.
- ② FURNISH AND INSTALL (2) 2" CONDUIT STUBS FROM CABLE TRAY TO ACCESSIBLE CEILING SPACE. (1) CONDUIT SHALL BE AN EMPTY SPARE.
- ③ INSTALL FLUSH MOUNTED DATA JACK IN CEILING FOR WIRELESS ACCESS POINT.
- ④ FURNISH AND INSTALL (4) 2" CONDUIT STUBS FROM IDF ROOM CEILING SPACE TO CABLE TRAY FOR DATA ROUTING.
- ⑤ PROVIDE 10 FT MAINTENANCE LOOP OF CAT6 IN ACCESSIBLE CEILING SPACE NEAR TEACHER'S DESK.
- ⑥ FURNISH AND INSTALL A #30 BONDING CONDUCTOR TO NEW BUILDING STEEL AND NEW WATER SERVICE AND BOND TO THE EXISTING MG GROUND BAR.
- ⑦ PROVIDE 120V POWER CONNECTION TO CABINET HEATER THROUGH FACTORY MOUNTED AND WIRED DISCONNECT.
- ⑧ INSTALL AND WIRE LOW VOLTAGE TRANSFORMER FURNISHED BY MECHANICAL TRADES. RUN LOW VOLTAGE WIRING TO BATHROOM SENSORS.
- ⑨ PROVIDE LOW VOLTAGE POWER CONNECTIONS TO BATHROOM SENSORS AS REQUIRED BY THE MECHANICAL SCHEDULE.
- ⑩ PROVIDE POWER CONNECTION TO EXHAUST FAN THROUGH FACTORY MOUNTED DISCONNECT.
- ⑪ FURNISH AND INSTALL 30A, 208V RECEPTACLE FOR DRYER. SURFACE MOUNT WASHYER AND DRYER RECEPTACLES.
- ⑫ HDMI CONNECTION SHALL BE FROM TEACHER'S DESK LOCATION TO CLASSROOM MONITOR.
- ⑬ AC-1 SHALL BE POWERED FROM ACCU-1 ON ROOF.
- ⑭ PROVIDE ROUGH-IN AND POWER CONNECTION TO DOOR OPERATOR.
- ⑮ ELECTRICAL CONTRACTOR SHALL ADD DATA JACK IN CORRIDOR FOR OWNER FUTURE SPEAKERS/INTERCOM.
- ⑯ ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL ELECTRICAL ENTRANCE FOR DISHWASHER WITH PLUMBING USING ADA DISHWASHER INSTALLATION SHEET.

PROJECT NUMBER	SHEET NUMBER
2022006.1	
PROJECT DATE	
AUGUST 23, 2023	E2.10
CHECKED BY	
JWF	

## E2.10



NEW							
LIGHTING CONTROL PANEL: LCP							
RELAY	ZONE CONTROLLED	CHANNEL	CIRCUIT	RELAY	ZONE CONTROLLED	CHANNEL	CIRCUIT
1	CORRIDOR 301 LINEARS	B	LP6-1	13	ADDITION CORR. DOWNLIGHTS	B	RP1C-7
2	CORRIDOR 301 DOWNLIGHTS	B	LP6-1	14	HIVE LIGHTS	B	RP1C-3
3	ALL CANOPY DOWNLIGHTS	A	VARIOUS	15	SPARE		
4	SECURE VESTIBULE		RP1B-1	16	SPARE		
5	LOBBY	B	RP1B-1,7	17			
6	CORRIDOR 104 LINEARS	B	RP1B-7,9	18			
7	CORRIDOR 104 DOWNLIGHTS	B	RP1B-7	19			
8	ADDITION CORR.	B	RP1C-7	20			
9	MAIN LEVEL N. WING CORRIDOR	B	RP2A-3	21			
10	MAIN LEVEL N. WING CORR. DOWNLIGHTS	B	RP2A-3	22			
11	EXTERIOR LIGHTS	A	RP1C-49,51	23			
12	ADDITION CORR. LINEARS	B	RP1C-7	24			
CHANNELS: A PHOTOCELL DUSK TILL 11PM. 4AM TO DAWN.							
B KEYED SWITCH OVERRIDE, OCC SENSOR CONTROL.							
C NOT USED							
NOTES: 1 ACUTY #ARP							
2							

LIGHTING CONTROL EXECUTIVE SUMMARY

**GYMNASIUM**  
KEYED SWITCH MANUAL ON/OFF, RAISE/LOWER, MOTION AUTO ON TO 50%, AUTO OFF AFTER 20 MIN. NO ACTIVITY.

**CORRIDORS**  
KEYED SWITCH MANUAL ON/OFF, RAISE/LOWER, SEPARATE CONTROL OF DOWNLIGHTS AND LINEARS. MOTION AUTO ON TO LAST SETTINGS. AUTO OFF AFTER 20 MIN. NO ACTIVITY.

**CLASSROOMS**  
MANUAL ON/OFF, RAISE/LOWER. SEPARATE CONTROL OF MAIN CLASSROOM LIGHTS AND TEACHER BOARD LIGHTING. AUTO ON TO 50%. AUTO OFF AFTER 20 MIN. NO ACTIVITY.

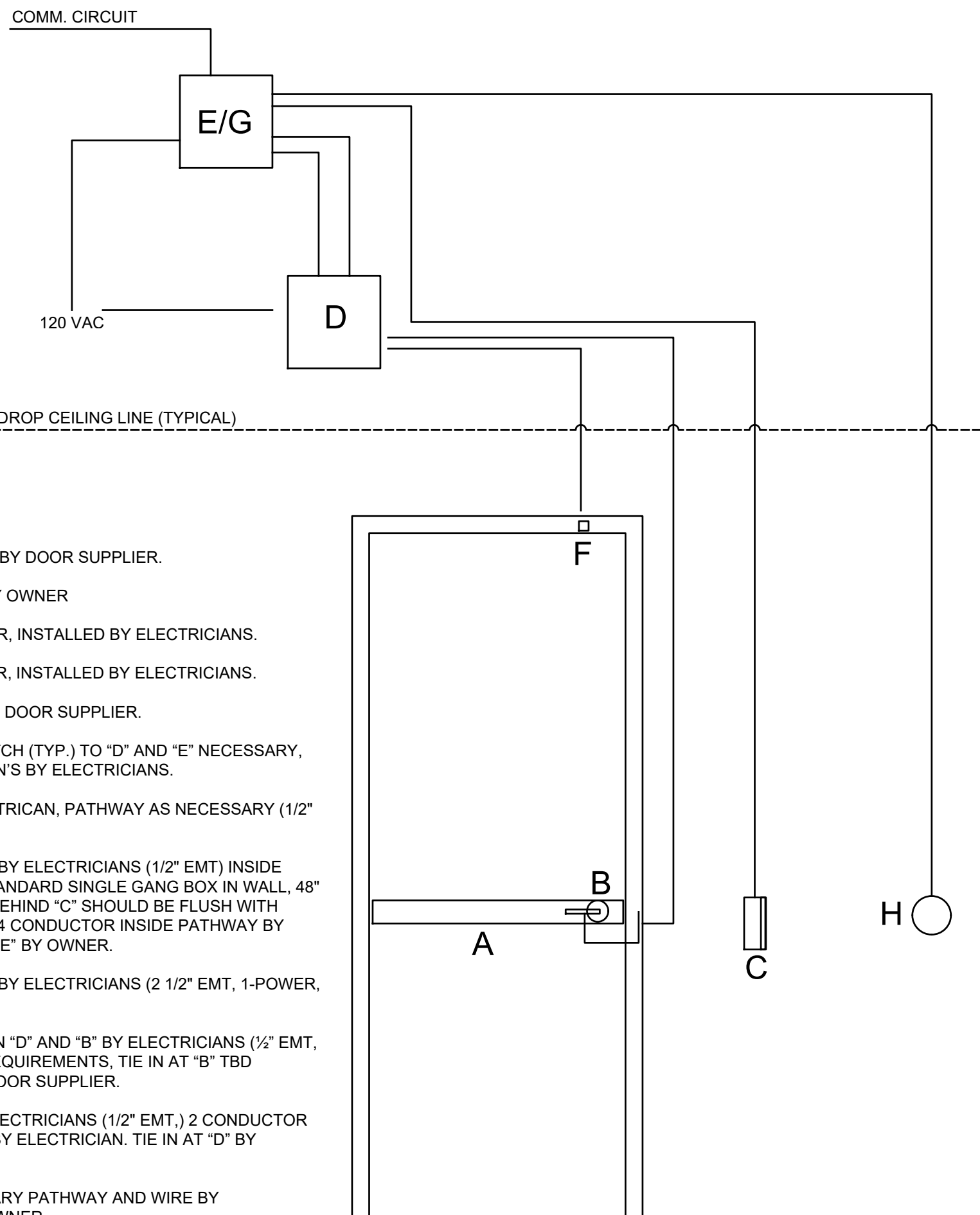
**OFFICES**  
MANUAL ON/OFF, RAISE/LOWER, AUTO OFF AFTER 20 MIN. NO ACTIVITY.

**ADMIN CONFERENCE ROOM**  
SEPARATE MANUAL ON/OFF, RAISE/LOWER CONTROL, OF 3 LIGHTING ZONES. CONFERENCE TABLE LINEARS MOTION AUTO ON TO 50%. ALL LIGHTS AUTO OFF AFTER 20 MIN. NO ACTIVITY.

**EXTERIOR CANOPY DOWNLIGHTS**  
DUSK TO 4PM. 4AM TO DAWN

**EXTERIOR BUILDING MOUNT LIGHTING**  
ALL LIGHTS TO BE INSTALLED WITH INTEGRATED PHOTOSENSORS. ALL FIXTURES SHALL WIRELESSLY COMMUNICATE TO TURN ON AND OFF SYNCHRONOUSLY. AUTO ON AT DUSK, OFF AT 11PM. AUTO ON AT 6AM, OFF AT DUSK.

- A EXIT DEVICE
- B POWER TRANSFER (ELECTRIC CRASH BAR, STRIKE, OR LATCH)
- C CARDSLOT/SHROUD/MOUNTING PLATE
- D POWER SUPPLY
- E ENCLOSURE AND POWER SUPPLY
- F DOOR POSITION SWITCH
- G MASTER/DOOR CONTROLLER
- H HANDICAP PUSH BUTTON



- "A, B" SUPPLIED AND INSTALLED BY DOOR SUPPLIER.
- "C" SUPPLIED AND INSTALLED BY OWNER
- "D" SUPPLIED BY DOOR SUPPLIER, INSTALLED BY ELECTRICIANS.
- "E" SUPPLIED BY DOOR SUPPLIER, INSTALLED BY ELECTRICIANS.
- "F" SUPPLIED AND INSTALLED BY DOOR SUPPLIER.
- 120 VAC SUPPLY THROUGH SWITCH (TYP.) TO "D" AND "E" NECESSARY. CAN BE SAME CIRCUIT. ALL TIE IN'S BY ELECTRICIANS.
- "COMM CIRCUIT" TO "E" BY ELECTRICIAN, PATHWAY AS NECESSARY (1/2" EMT) BY ELECTRICIANS.
- PATHWAY BETWEEN "E" AND "C" BY ELECTRICIANS (1/2" EMT) INSIDE WALL (TYP.) TERMINATES TO STANDARD SINGLE GANG BOX IN WALL, 48" ON CENTER, "BEHIND" "C". BOX BEHIND "C" SHOULD BE FLUSH WITH EXTERIOR BUILDING SURFACE. 4 CONDUCTOR INSIDE PATHWAY BY ELECTRICIAN. TIE IN AT "C" AND "E" BY OWNER.
- PATHWAY BETWEEN "E" AND "D" BY ELECTRICIANS (2 1/2" EMT, 1-POWER, 1-COMM.)
- PATHWAY AND WIRING BETWEEN "D" AND "B" BY ELECTRICIANS (1/2" EMT, WIRE BASED ON DOOR SPEC. REQUIREMENTS, TIE IN AT "B" TBD BETWEEN ELECTRICIANS AND DOOR SUPPLIER.
- PATHWAY FROM "D" TO "F" BY ELECTRICIANS (1/2" EMT.) 2 CONDUCTOR WIRING FROM "E" TO "F" VIA "D" BY ELECTRICIAN. TIE IN AT "D" BY OWNER.
- INPUT FROM "H" TO "G" NECESSARY PATHWAY AND WIRE BY ELECTRICIAN. TIE IN AT "E" BY OWNER.

CARD READER SCHEMATIC  
NO SCALE

LIGHTING SCHEDULE

A4	4" LINEAR LED FLAT PANEL, 2000 LUMEN, 80 CRI, 4000K, FLAT FRAME, SATIN WHITE LENS, 1%MIN DIMMING, 120-277V, MATTE WHITE FINISH, 500LM/FT, 16.7 WATT. LITHONIA #LSIX 4FT 2000LM 80CRI 40K FFR SWL MIN1 EZT MVOLT MW	
A4E	SAME AS TYPE A4 EXCEPT 10W EMERGENCY BATTERY PACK.	
A8	SAME AS TYPE A4 EXCEPT 10W EMERGENCY BATTERY PACK.	
A8E	SAME AS TYPE A8 EXCEPT 10W EMERGENCY BATTERY PACK.	
B4	4" LINEAR LED FLAT PANEL, 3000 LUMEN, 80 CRI, 4000K, FLAT FRAME, SATIN WHITE LENS, 1%MIN DIMMING, 120-277V, MATTE WHITE FINISH, 750 LM/FT, 24.7 WATT. LITHONIA #LSIX 4FT 3000LM 80CRI 40K FFR SWL MIN1 EZT MVOLT MW	
B4E	SAME AS TYPE B4 EXCEPT 10W EMERGENCY BATTERY PACK.	
B8S	SAME AS TYPE B4 EXCEPT 8' LONG, 6000 LUMENS, 44.3 WATT WITH INTEGRAL WIRELESS OCCUPANCY SENSOR. #NLTAR2 PIR SV	
B8SE	SAME AS TYPE B8 EXCEPT WITH 10 WATT EMERGENCY BATTERY AND INTEGRAL WIRELESS OCCUPANCY SENSOR. #E10WLCP NLTAR2 PIR	
C4	4" LINEAR LED FLAT PANEL, 4000 LUMEN, 80 CRI, 4000K, FLAT FRAME, SATIN WHITE LENS, 1%MIN DIMMING, 120-277V, MATTE WHITE FINISH, 1000 LM/FT, 33.3 WATT. LITHONIA #LSIX 4FT 4000LM 80CRI 40K FFR SWL MIN1 EZT MVOLT MW	
C4E	SAME AS TYPE C4 EXCEPT HAS EMERGENCY BATTERY PACK.	
C8S	SAME AS TYPE C4 EXCEPT 8' LONG WITH INTEGRAL WIRELESS OCCUPANCY SENSOR. #NLTAR2 PIR	
E	LED SINGLE SIDED EXIT SIGN, RED LETTERS. LITHONIA #LOM	
EW1H	SAME AS TYPE E EXCEPT WITH WIRE GUARD	
E2	SAME AS TYPE E BUT DOUBLE SIDED	
E/RH	LED EXIT WITH HIGH OUTPUT BATTERY, RED LETTERS, WHITE. LITHONIA #LOM LED HO RO	
RHW	WET LOCATION EMERGENCY REMOTE HEAD LED, 320 LUMEN, 3.3 WATT, SINGLE HEAD, DARK BRONZE FINISH. LITHONIA #ELMRW SP640L DDB7X0 SQL	
F	NOT USED	
G1	4" ROUND LED DOWNLIGHT, 3500K, 1000 LUMENS, 10.6 WATT, WHITE TRIM, MATTE DIFFUSE FINISH, WHITE FLANGE, 120-277V, 1%MIN DIMMING. LITHONIA #LDN4 35/10 L04 WR LD TRIM MVOLT EZ1	
G1E	SAME AS TYPE G1 EXCEPT WITH 10 WATT EMERGENCY BATTERY PACK.	
G2	SAME AS TYPE G1 EXCEPT 1500 LUMENS, 17.5 WATTS	
G2E	SAME AS TYPE G2 EXCEPT WITH A 10 WATT EMERGENCY BATTERY	
G3	SAME AS TYPE G1 EXCEPT 2000 LUMENS, 22.5 WATTS	
G3E	SAME AS TYPE G3 EXCEPT WITH A 10 WATT EMERGENCY BATTERY	
G8	4" ROUND SHOWER DOWNLIGHT, WET LOCATION LISTED, IP66 RATED, 1000 LUMEN, 9 WATT, FLUSH SMOOTH LENS, 120V, WHITE TRIM. GOTHAM #EVO4SH 35/10 DFF SMO 120	
H1	6" LED CYLINDER PENDANT DOWNLIGHT, 3500K, 2000 LUMEN, 10.4 WATT, BLACK. LITHONIA #LDN6CYL 35/10 L06BR LD 120 GZ10 PM DBL	
H2	6" LED CYLINDER PENDANT DOWNLIGHT, 3500K, 2000 LUMEN, 22.5 WATT, BLACK. LITHONIA #LDN6CYL 35/20 L06BR LD 120 GZ10 PM DBL	
I2	CLX LED LINEAR, 24", 2000 LUMENS, STANDARD EFFICIENCY, LESS COVER, FLAT DIFFUSE LENS, GENERAL DISTRIBUTION, 120-277V, GENERIC 0-10V DIMS TO 1%, 4000K, 80CRI, WHITE FINISH, 14.5 WATTS LITHONIA #CLX L24 2000LM SEF FDL MVOLT GZ1 40K 80CRI WH	
I4	SAME AS TYPE I2 EXCEPT 48", 4000 LUMENS, 25.5 WATTS	
I4E	SAME AS TYPE I4 EXCEPT WITH A 10 WATT EMERGENCY BATTERY	
NEW	SAME AS TYPE I4E EXCEPT WALL MOUNTED.	
J1	2x2 LED FLAT PANEL, 2000 LUMENS, 16 WATT, 80CRI, 4000K, SATIN LENS, 1%MIN DIMMING, 120-277V. LITHONIA #CPX 2X2 2000LM 80CRI 40K SWL MIN1 ZT MVOLT	
J1E	SAME AS TYPE J1 EXCEPT WITH 10 WATT EMERGENCY BATTERY	
J2	SAME AS TYPE J1 EXCEPT 3200LM, 30 WATT.	
J2E	SAME AS TYPE J2 EXCEPT WITH 10 WATT EMERGENCY BATTERY	
J2SE	SAME AS TYPE J2E EXCEPT WITH INTEGRAL WIRELESS SENSOR. ACUTY #NLTAR2 PIR	
K	2X4" LED HIGHBAY RETROFIT, 16,600 LUMENS, 105 WATTS, 120-277V, 4000K, DIMS TO 1%, 0-10V DIMMING, FROSTED IMPACT RESISTANT POLYCARBONATE LENS, SOLID ALUMINUM CONSTRUCTION. ESI HK 24LT D41X8H0 40 D FR-FL CUSTOM POLYCARBONATE LENS	
KE	SAME AS TYPE K EXCEPT HAS EMERGENCY BATTERY PACK.	
L4	4" SURFACE MOUNT LED LINEAR, 800 LUMEN/FT, 3500K, 1%MIN DIMMING, 120-277V, FLUSH LENS, WHITE FINISH, 6.33 WATT/FT, 25.3 WATTS. MARK #S4SD XXX 4 FT XXXX 80CRI 35K 800LM/FT SCT MIN1 FLL MVOLT WHTT	
L4E	SAME AS TYPE L4 EXCEPT WITH 10 WATT EMERGENCY BATTERY PACK.	
L6	SAME AS TYPE L4 EXCEPT 6", 38 WATTS.	
L6E	SAME AS TYPE L6 EXCEPT WITH 10 WATT EMERGENCY BATTERY PACK.	
L6SE	SAME AS TYPE L6E EXCEPT WITH WIRELESS OCCUPANCY SENSOR. #NLTAR2 PDT	
M	SEMI-RECESSED GLASS CONE DOWNLIGHT, 2000 LUMENS, 3500K, 120V, 22 WATTS. DELAYR #KLS31 2 W35 D 120	
N	LED DOME PENDANT, 2500 LUMEN, 3500K, 120-277V, 1%MIN DIMMING, CUSTOM FINISHES, 22 WATTS. VISA #CP4410 L38KL 80CRI MVOLT	
P3	3" DIAMETER LED RING PENDANT, SILVER FINISH, LOW OUTPUT, 3500K, SEPARATE MOUNT, DIMMING, REMOTE DRIVER, SILVER CANOPY, BLACK POWER CORD, 51 WATT, 3780 LUMEN. TO BE MOUNTED WITH (1) P5 AND (1) ADDITIONAL P3. COORDINATE MOUNTING WITH ARCHITECTURAL DETAILS DURING SHOP DRAWING PHASE. DELAYR #6813 S W35 S D RR	
P5	SAME AS TYPE P3 EXCEPT 5" DIAMETER, 85 WATT, 6300 LUMEN. TO BE MOUNTED WITH (1) P5 AND (1) ADDITIONAL P3. COORDINATE MOUNTING WITH ARCHITECTURAL DETAILS DURING SHOP DRAWING PHASE.	
Q27	2" WIDE, 4" DEEP, PERIMETER SLOT LINEAR LED, 27FT LENGTH, FIELD MEASURE TOTAL LENGTH PRIOR TO ORDERING, STANDARD OUTPUT, 80 CRI, 3500K, LOW GLOSS WHITE, 22V, SINGLE CIRCUIT, 0-10V 10%MIN DIMMING, END CAP, 3.5 WATT/FT. FINELITE #HP 2 WS 4D XX S 835 96LG 120 SC FC-10%	
Q21	SAME AS TYPE Q27 EXCEPT 21FT LENGTH, FIELD MEASURE TOTAL LENGTH PRIOR TO ORDERING.	
V	4" VANDAL RESISTANT TUNABLE WHITE RECESSED DOWNLIGHT, IP66 AND IK10 RATED, TAMPER RESISTANT CEILING GRID MOUNTING, DIMMING TO <1%, 2000 LUMEN, 2700K-6500K TUNING RANGE, MEDIUM DISTRIBUTION, 28 WATT, 90CRI, 120 VOLT, CLEAR POLYCARBONATE LENS, WHITE ANTIMICROBIAL FINISH. LUMINAIRE #VRDL4 GB DARK NL 2000LM TUWH RHYR MD 90CRI 120 CPL AMF	
V2	4" VANDAL RESISTANT DOWNLIGHT, 2000 LUMEN, 0-10V DIMMING, 120V LUMINAIRE #VRDL4 DARK ZT 2000LM WD 35K 80CRI 120 CPL AMF	
AA2	WALL MOUNT LED LUMINAIRE, TYPE 2 DISTRIBUTION, 4000K, 73 WATT, 208V, INTEGRATED MOTION/AMBIENT SENSOR, HOUSE-SIDE SHIELD, DARK BRONZE FINISH. LITHONIA #DSXW1 LED 20C 1000 40K T2M PIR HS DDBXD	
BBF	WALL MOUNT LED SITE LUMINAIRE, FORWARD THROW DISTRIBUTION, PERFORMANCE PACKAGE 7, 4000K, 70CRI, 120-277V, 188 WATT, INTEGRATED MOTION/AMBIENT SENSOR, HOUSE-SIDE SHIELD, DARK BRONZE FINISH. LITHONIA #DSX1 LED P7 70CRI TFTM MVOLT WBA PIR HS DDBXD	
BB2	SAME AS TYPE BBF EXCEPT TYPE 2 DISTRIBUTION.	
BB3	SAME AS TYPE BBF EXCEPT TYPE 3M DISTRIBUTION.	
CC	POST-TOP LED RETROFIT WITH WIRELESS CONTROL. LITHONIA #RADPT OR EQUAL	

ELECTRICAL SYMBOLS

LIGHTING

- A 2x4' FIXTURE, TYPE INDICATED
- HALF SHADED FIXTURES ARE EMERGENCY FIXTURES
- 2X2' FIXTURE, TYPE INDICATED
- 1x4' LED FIXTURE, TYPE INDICATED
- 4' LED STRIP, TYPE INDICATED
- DOWNLIGHT OR SURFACE FIXTURE
- WALL MOUNTED FIXTURE, TYPE INDICATED
- WALL MOUNTED FIXTURE, TYPE INDICATED
- EXIT LIGHT
- MOUNTED EXIT LIGHT
- PENDANT MOUNTED FIXTURE, TYPE INDICATED
- TRACK LIGHTING FIXTURE
- EMERGENCY FIXTURE
- REMOTE HEAD EMERGENCY FIXTURE

LIGHTING CONTROLS

- S SINGLE POLE SWITCH
- 3-WAY SWITCH
- FUSED TOGGLE SWITCH
- WEATHERPROOF SWITCH
- WALL MOTION SWITCH SENSOR  
ACUTY #WSX SERIES OR EQUAL
- COMBINATION WALL MOTION, DIMMING SWITCH SENSOR  
ACUTY #WSX D SERIES OR EQUAL
- DIMMING SWITCH, 0-10 VOLT  
ACUTY #SPODMRA D SERIES OR EQUAL
- LOW VOLTAGE ON/OFF BUTTON SWITCH  
ACUTY #NPDMA SERIES OR EQUAL
- LOW VOLTAGE ON/OFF, DIMMING,  
ACUTY #NPDMA DX SERIES OR EQUAL
- LOW VOLTAGE ON/OFF WITH INTEGRATED IR MOTION SENSOR  
ACUTY #NWSX LV SERIES OR EQUAL
- LOW VOLTAGE ON/OFF, DIMMING WITH INTEGRATED IR MOTION SENSOR  
ACUTY #NWSX LV DX SERIES OR EQUAL
- LOW VOLTAGE SWITCH, ON/OFF, RAISE/LOWER, CCT ADJUST  
ACUTY #NPDMA DX CCT WH
- LOW VOLTAGE KEYED SWITCH, ON/OFF  
ACUTY #NPD KEY MNTH WH
- LOW VOLTAGE KEYED SWITCH, ON/OFF, RAISE/LOWER,  
ACUTY #NPD KEY WH
- WIRELESS LINE VOLTAGE POWERED SWITCH, ON/OFF  
ACUTY #RPDL MVOLT WH G2
- ROOM CONTROLLER, 3-RELAYS, 0-10V DIMMING, PLENUM RATED  
COOPER GREENGATE #RC3D-PL OR EQUAL
- POWER RELAY PAK  
ACUTY #NPP16 D SERIES OR EQUAL
- PASSIVE INFRARED, CEILING MOUNTED, LARGE-MOTION DETECTION,  
2000 SOFT RADIAL COVERAGE SENSOR  
ACUTY #NCM 10 SERIES OR EQUAL
- PASSIVE INFRARED, CEILING MOUNTED, SMALL-MOTION DETECTION,  
500 SOFT RADIAL COVERAGE SENSOR  
ACUTY #NCM 9 SERIES OR EQUAL
- PASSIVE INFRARED, CEILING MOUNTED, LARGE-MOTION DETECTION,  
2000 SOFT RADIAL COVERAGE SENSOR  
ACUTY #NCM 6 SERIES OR EQUAL
- DUAL TECH, CEILING MOUNTED, LARGE-MOTION DETECTION,  
2000 SOFT RADIAL COVERAGE SENSOR  
ACUTY #NCM PDT 10 SERIES OR EQUAL
- DUAL TECH 360°, CEILING MOUNTED, SMALL-MOTION DETECTION,  
500 SOFT RADIAL COVERAGE SENSOR  
ACUTY #NCM PDT 9 SERIES OR EQUAL
- PASSIVE INFRARED HALLWAY MOTION SENSOR, 130' RANGE,  
ACUTY #HW13 SERIES OR EQUAL
- WALL MOUNTED SENSOR
- DAYLIGHT PHOTO SENSOR, CEILING MOUNTED, AUTO DIMMING  
ACUTY #NCM ADCX SERIES OR EQUAL
- LOW VOLTAGE PHOTOCELL FOR CONNECTION TO LCP, ACUTY #NIO PC

POWER

- DUPLEX RECEPTACLE
- QUADPLEX RECEPTACLE
- SPECIAL RECEPTACLE
- GFCI RECEPTACLE
- FEED THROUGH GFCI DEVICE
- CIRCUIT BREAKER DISCONNECT
- DEVICE CONNECTION
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT
- JUNCTION BOX
- POWER POLE FOR CUBICLE DESKS, POWER AND DATA
- FLUSH MOUNTED PANEL
- PANELBOARD
- SWITCHBOARD
- TRANSFORMER
- SINGLE PHASE MOTOR
- THREE PHASE MOTOR

- PUSH BUTTON STATION
- ADA PUSH BUTTON OPERATOR

ABBREVIATIONS

- WP DENOTES WEATHER PROOF
- 2X2' FIXTURE, TYPE INDICATED
- AC ABOVE COUNTER
- EC ELECTRICAL CONTRACTOR
- EX EXISTING
- GFI GROUND FAULT CIRCUIT INTERRUPTER
- MDF MAIN DATA FRAME
- IDF INTERMEDIATE DATA FRAME
- WR WEATHER RESISTANT
- MDP MAIN DISTRIBUTION PANEL
- PP POWER PANEL
- LP LIGHTING PANEL
- RP RECEPTACLE PANEL
- UPS UNINTERRUPTIBLE POWER SUPPLY
- LCP LIGHTING CONTROL PANEL
- GND GROUND
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY
- CU COPPER
- AL ALUMINUM
- ATS AUTOMATIC TRANSFER SWITCH
- FAA FIRE ALARM ANNUNCIATOR PANEL
- FACP FIRE ALARM CONTROL PANEL
- CP CIRCULATION PUMP
- ADA AMERICANS WITH DISABILITIES ACT
- VP VANDAL PROOF

FIRE ALARM

- FACP FIRE ALARM CONTROL PANEL
- FIRE ALARM TAMPER SWITCH
- FIRE ALARM FLOW SWITCH
- DUCT SMOKE DETECTOR
- VANDAL PROOF FIRE ALARM PULL STATION
- SMOKE DETECTOR
- FIRE ALARM STROBE ONLY
- CEILING MOUNTED FIRE ALARM STROBE ONLY
- CEILING MOUNTED FIRE ALARM VOICE EVAC/STROBE COMBO

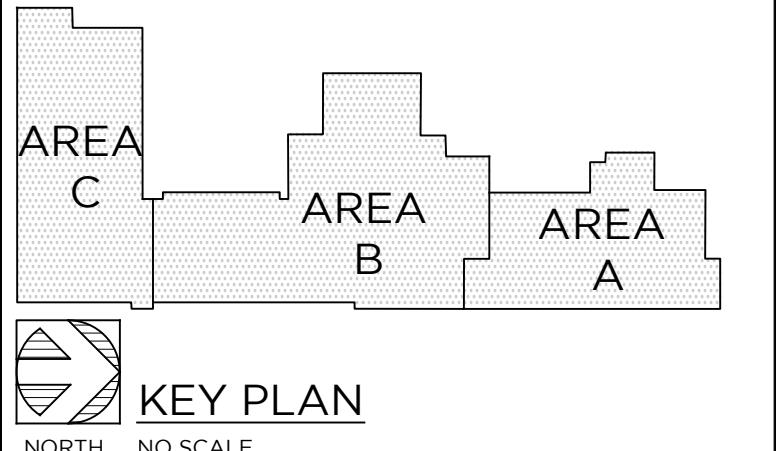
COMMUNICATIONS

- HDMI OUTLET, 1 1/2" CONDUIT ROUTED TO ACCESSIBLE CEILING, (4) HDMI JACKS.
- (2) DATA PORT OUTLET ROUGH-IN, (2 CAT6), 1" CONDUIT ROUTED TO ACCESSIBLE CEILING
- DATA/HDMI OUTLET (1 CAT6 / 1 HDMI), 1 1/4" CONDUIT ROUTED TO ACCESSIBLE CEILING
- DATA/HDMI OUTLET (2 CAT6 / 1 HDMI), 1 1/4" CONDUIT ROUTED TO ACCESSIBLE CEILING
- INDICATED NUMBER OF DATA PORTS OUTLET ROUGH-IN, (INDICATED NUMBER OF CAT6), 1" CONDUIT ROUTED TO ACCESSIBLE CEILING
- CARD READER ROUGH-IN, 1" CONDUIT ROUTED TO ACCESSIBLE CEILING
- SECURITY CAMERA ROUGH-IN, 1" CONDUIT ROUTED TO ACCESSIBLE CEILING
- WIRELESS ACCESS POINT (1) CAT6 WITH QUICKPORT AND 10FT MAINTENANCE LOOP
- SPEAKER
- CLOCK

ELECTRICAL SCHEDULES

- 250 WATT MINI-INVERTER, 120/277V IN/OUT, 305 WATT INPUT RATED, SURFACE MOUNTED, DIMMING RELAY, UL 924 LISTED.  
IOTA #IIS 250 HE DR
- 125 WATT MINI-INVERTER, 120V IN/OUT, 150 WATT INPUT RATED, SURFACE MOUNTED, DIMMING RELAY, UL 924 LISTED.  
IOTA #IIS 125 SM DR
- 6" ROUND POKE-THROUGH FLOOR BOX, (2) DUPLEX RECEPTACLES, (1) HDMI PORT, (2) DATA JACKS, 1 1/4" CONDUIT CONNECTION FOR HDMI/DATA.  
LEGRAND #BATC2PAA - 6MAAP2A-1125CHA, HDMI - #AV3000BK

	ADDENDUM 2	09/08/23
	ADDENDUM 1	08/31/23
	ISSUE FOR BID	08/23/23
NO.	REVISION	DATE



WTAAARCH.COM		
<b>WTA ARCHITECTS</b>		
100 S. Jefferson Ave, Suite 601 Saginaw, Michigan 48607 989 752 8107		
COPYRIGHT © 2022		
<b>MACMILLAN ASSOCIATES</b> CONSULTING ENGINEERS 714 EAST MIDLAND STREET • RAY CITY, MICHIGAN 48166 (989) 894-1300 • F (989) 894-9930 • WWW.MACMILLANASSOCIATES.COM		
PROJECT TITLE ADDITION AND RENOVATION: MIDLAND COUNTY ESA		
MIDLAND, MICHIGAN		
SHEET TITLE SCHEDULES AMD SYMBOLS		
PROJECT NUMBER 2022006.1	E4.01	
PROJECT DATE AUGUST 23, 2023		
CHECKED BY JWF		



