



# Centennial Lane Elementary School

First Floor



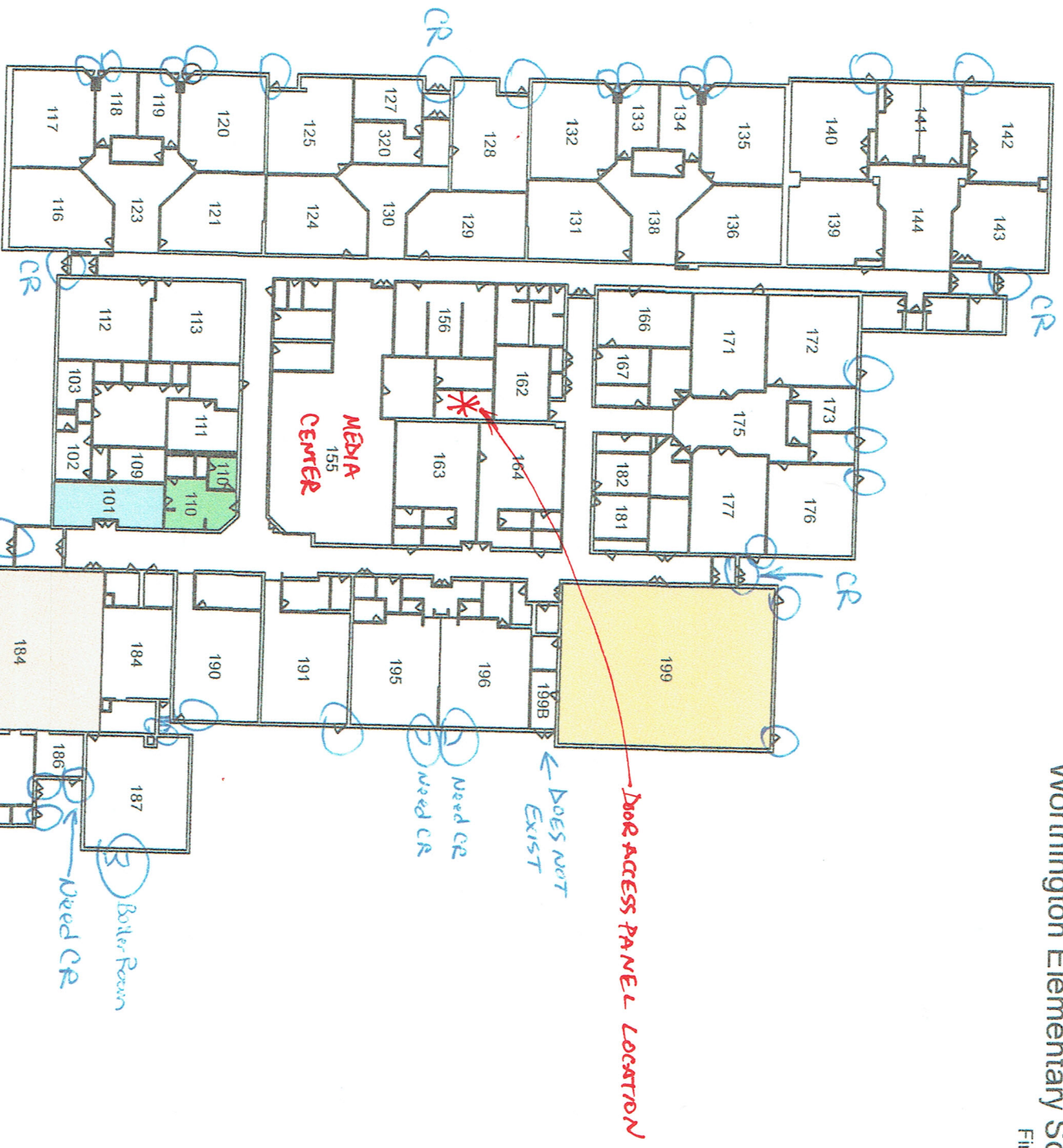
*DOOR ACCESS PANEL LOCATION*

- Room Sub Use**
- Health Suite
  - Reception
  - Gym
  - Cafeteria



# Worthington Elementary School

First Floor



DOOR ACCESS PANEL LOCATION

DOES NOT EXIST

NEED CR

NEED CR

Boiler Room

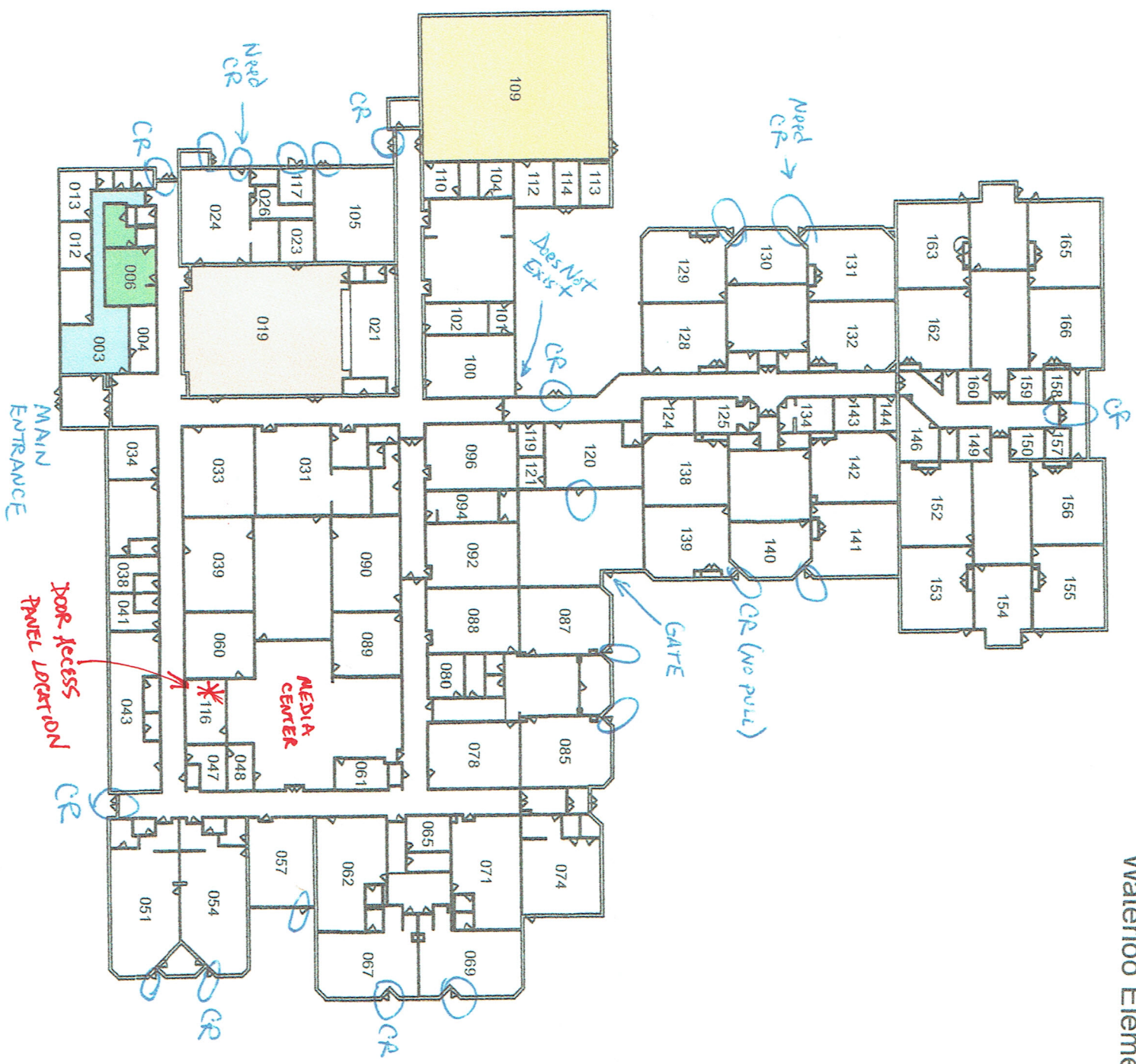
MAIN ENTRANCE

- Room Sub Use
- Health Suite
- Reception
- Gym
- Cafeteria



# Waterloo Elementary School

First Floor

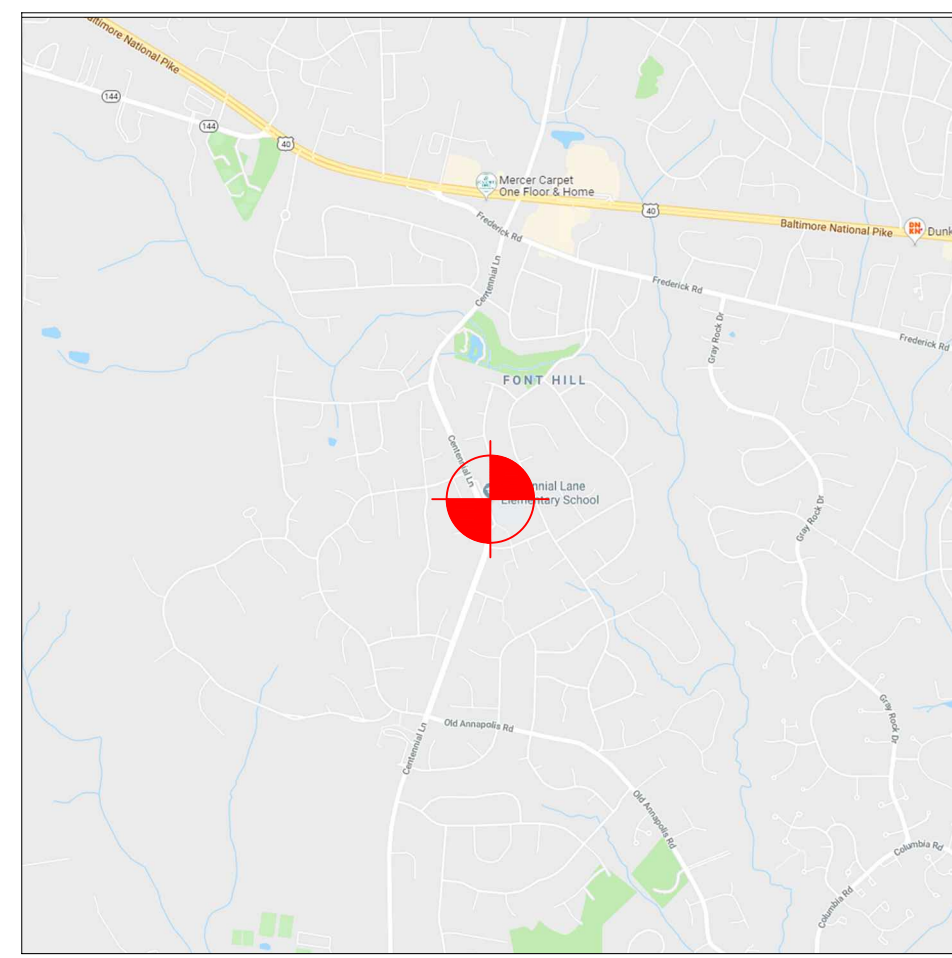


- Room Sub Use
- Health Suite
  - Reception
  - Gym
  - Cafeteria

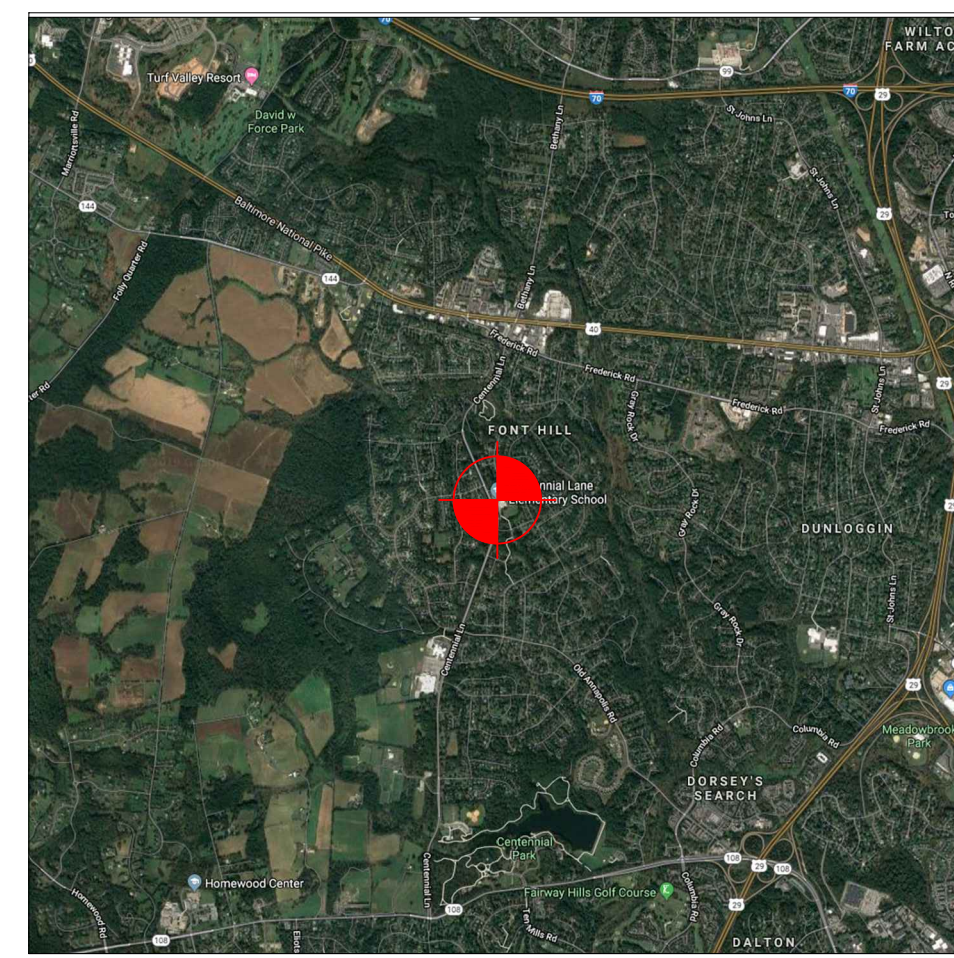
# HOWARD COUNTY PUBLIC SCHOOL SYSTEM THREE ELEMENTARY SCHOOL SELECT EXTERIOR DOOR REPLACEMENTS

OWNER ADDRESS:  
HOWARD COUNTY PUBLIC SCHOOL SYSTEM  
BUILDING SERVICES  
9020 MENDENHALL COURT, SUITE A  
COLUMBIA, MD 21045

SCHOOL 1:  
CENTENNIAL LANE ELEMENTARY SCHOOL  
3825 CENTENNIAL LANE  
ELLICOTT CITY, MD 21042

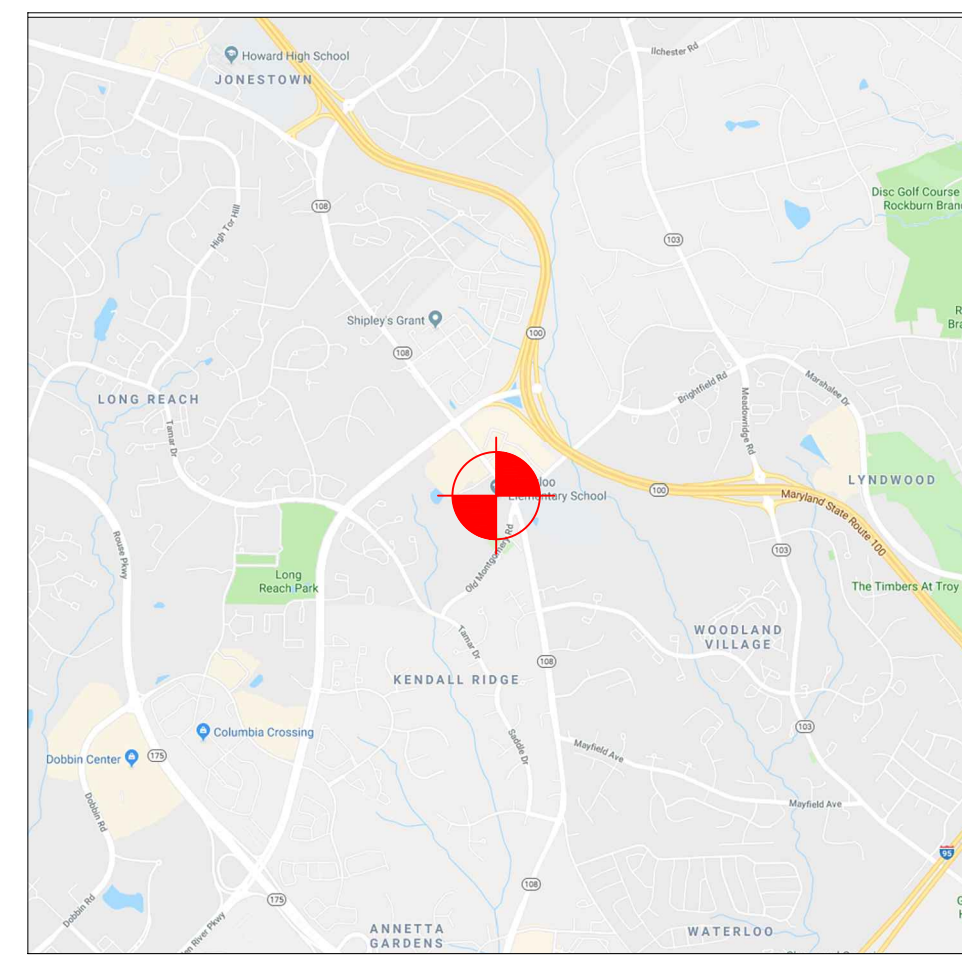


VICINITY MAP - NTS

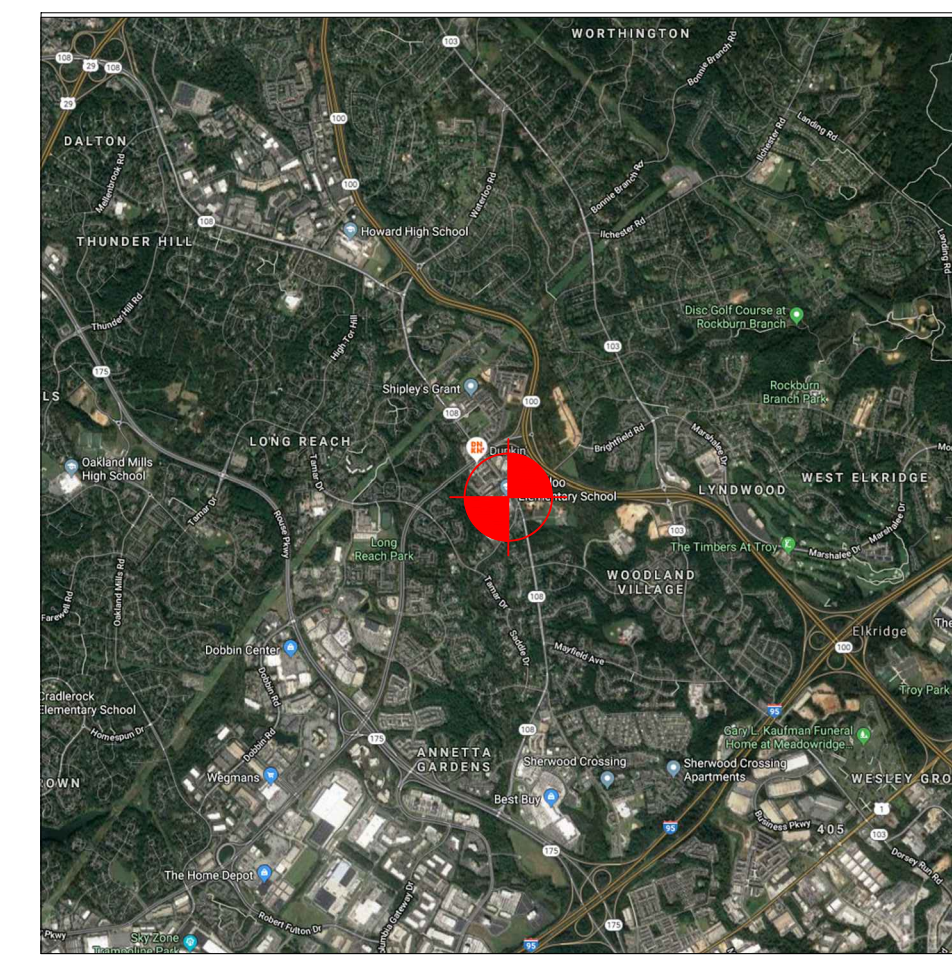


VICINITY AERIAL VIEW - NTS

SCHOOL 2:  
WATERLOO ELEMENTARY SCHOOL  
5940 WATERLOO ROAD  
COLUMBIA, MD 21045

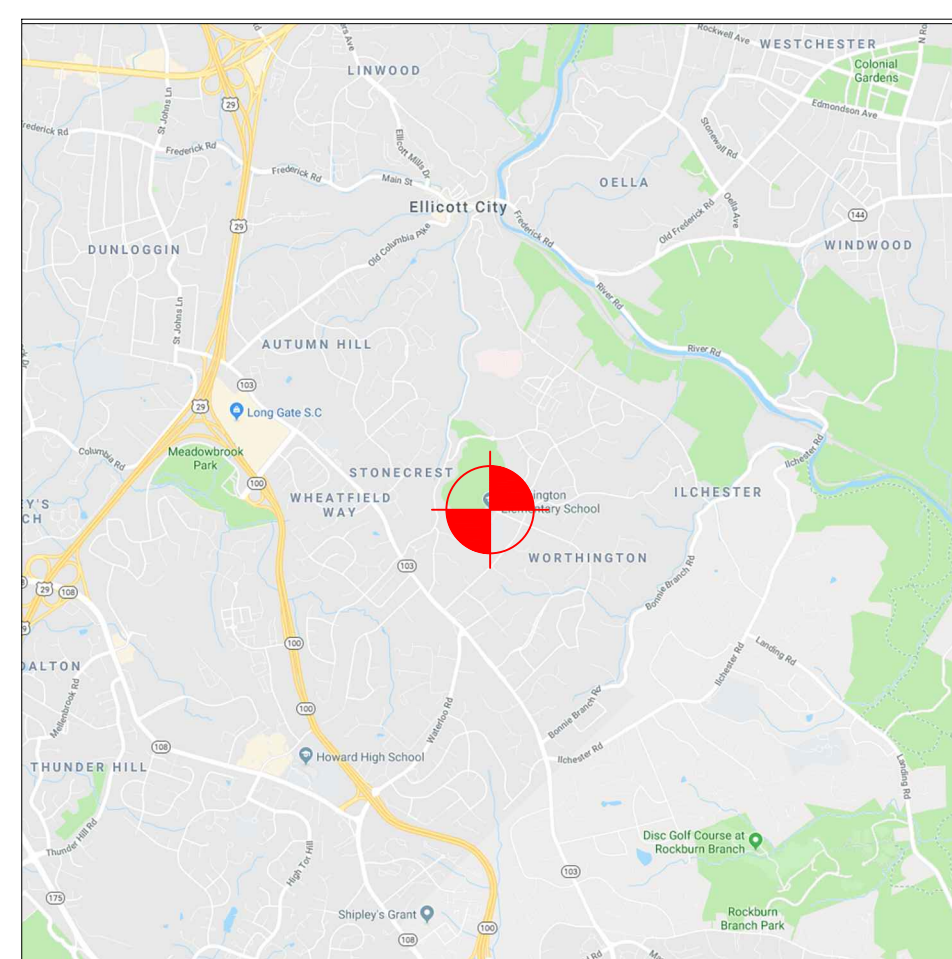


VICINITY MAP - NTS

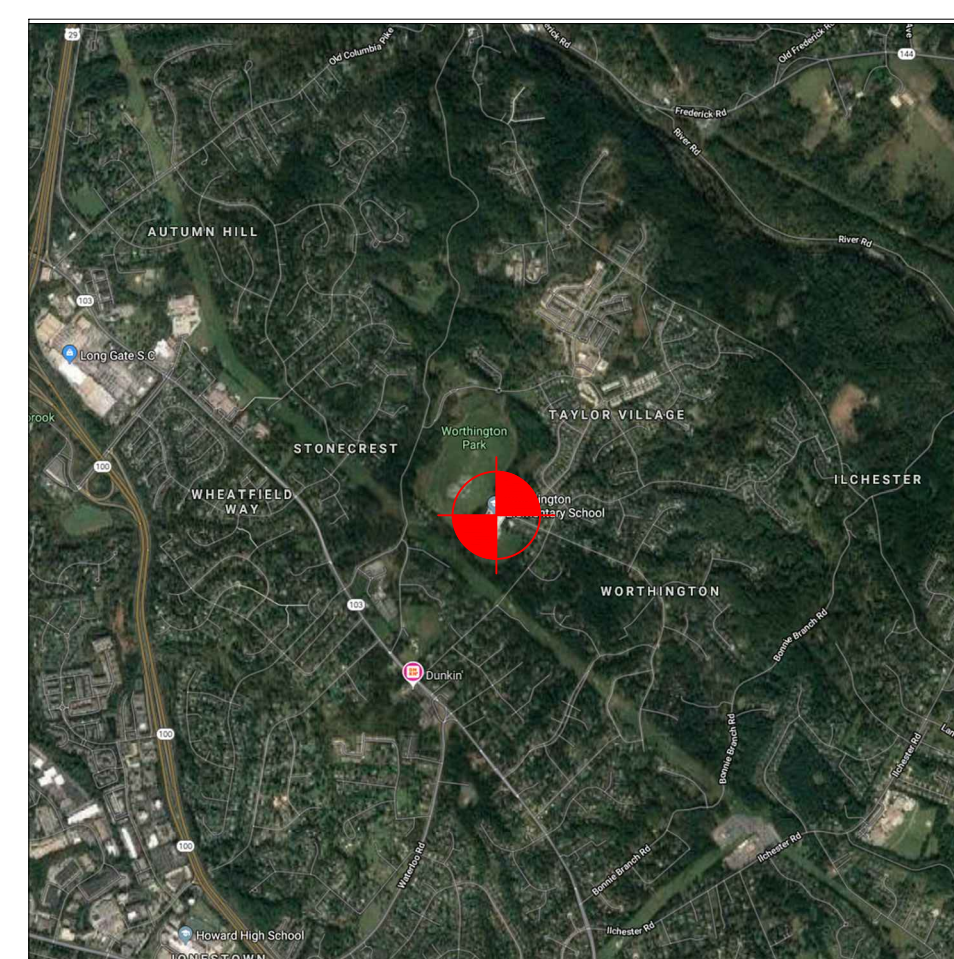


VICINITY AERIAL VIEW - NTS

SCHOOL 3:  
WORTHINGTON ELEMENTARY SCHOOL  
4570 ROUNDHILL ROAD  
ELLICOTT CITY, MD 21043



VICINITY MAP - NTS



VICINITY AERIAL VIEW - NTS

## DRAWING LIST

CS COVER SHEET

### ARCHITECTURAL

G1.1 CENTENNIAL LANE ES - GENERAL INFORMATION & CODE SUMMARY  
G1.2 WATERLOO ES - GENERAL INFORMATION & CODE SUMMARY  
G1.3 WORTHINGTON ES - GENERAL INFORMATION & CODE SUMMARY

A1.1 CENTENNIAL LANE ES - DEMO & NEW WORK FLOOR PLAN PART A  
A1.2 CENTENNIAL LANE ES - DEMO & NEW WORK FLOOR PLAN PART B  
A1.3 WATERLOO ES - DEMO & NEW WORK FLOOR PLAN PART A  
A1.4 WATERLOO ES - DEMO & NEW WORK FLOOR PLAN PART B  
A1.5 WATERLOO ES - DEMO & NEW WORK FLOOR PLAN PART C  
A1.6 WORTHINGTON ES - DEMO & NEW WORK FLOOR PLAN PART A  
A1.7 WORTHINGTON ES - DEMO & NEW WORK FLOOR PLAN PART B

A2.1 CENTENNIAL LANE ES - DOOR SCHEDULE, TYPES, & DETAILS  
A2.2 WATERLOO ES - DOOR SCHEDULE, TYPES, & DETAILS  
A2.3 WORTHINGTON ES - DOOR SCHEDULE, TYPES, & DETAILS

NOTE: FULL SIZE DRAWINGS ARE  
PRINTED ON 30" x 42" SHEET (ARCH E1)

NO	REVISION / SUBMISSION	DATE
	95% CD SUBMISSION	11/27/2019
	100% CD SUBMISSION	01/17/2020

**SM+P**  
ARCHITECTS  
SCHAMU MACHOWSKI + PATTERSON ARCHITECTS, INC.  
1100 CATHEDRAL STREET, BALTIMORE, MD 21201  
TEL 410-669-5062 WWW.SMP-ARCHITECTS.COM

CONSULTANTS

PROJECT  
HCPSS THREE ELEMENTARY SCHOOLS  
SELECT EXT. DOOR REPLACEMENTS

CERTIFICATION SEAL

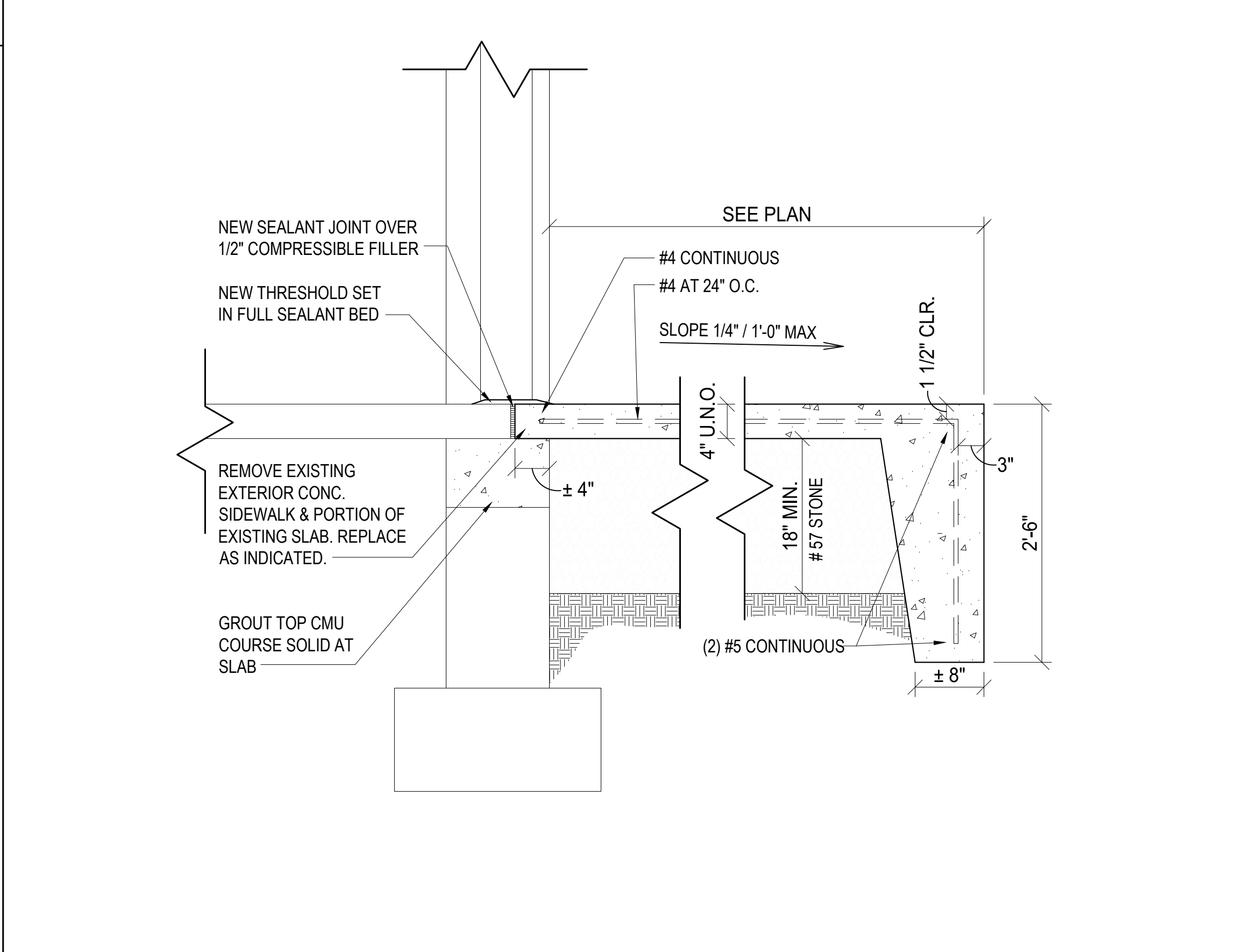
DRAWING TITLE  
COVER SHEET

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CHECKED	ZSS	DRAWING #	
REVIEWED	REM		
DATE	01/17/2020		
SCALE	AS NOTED		

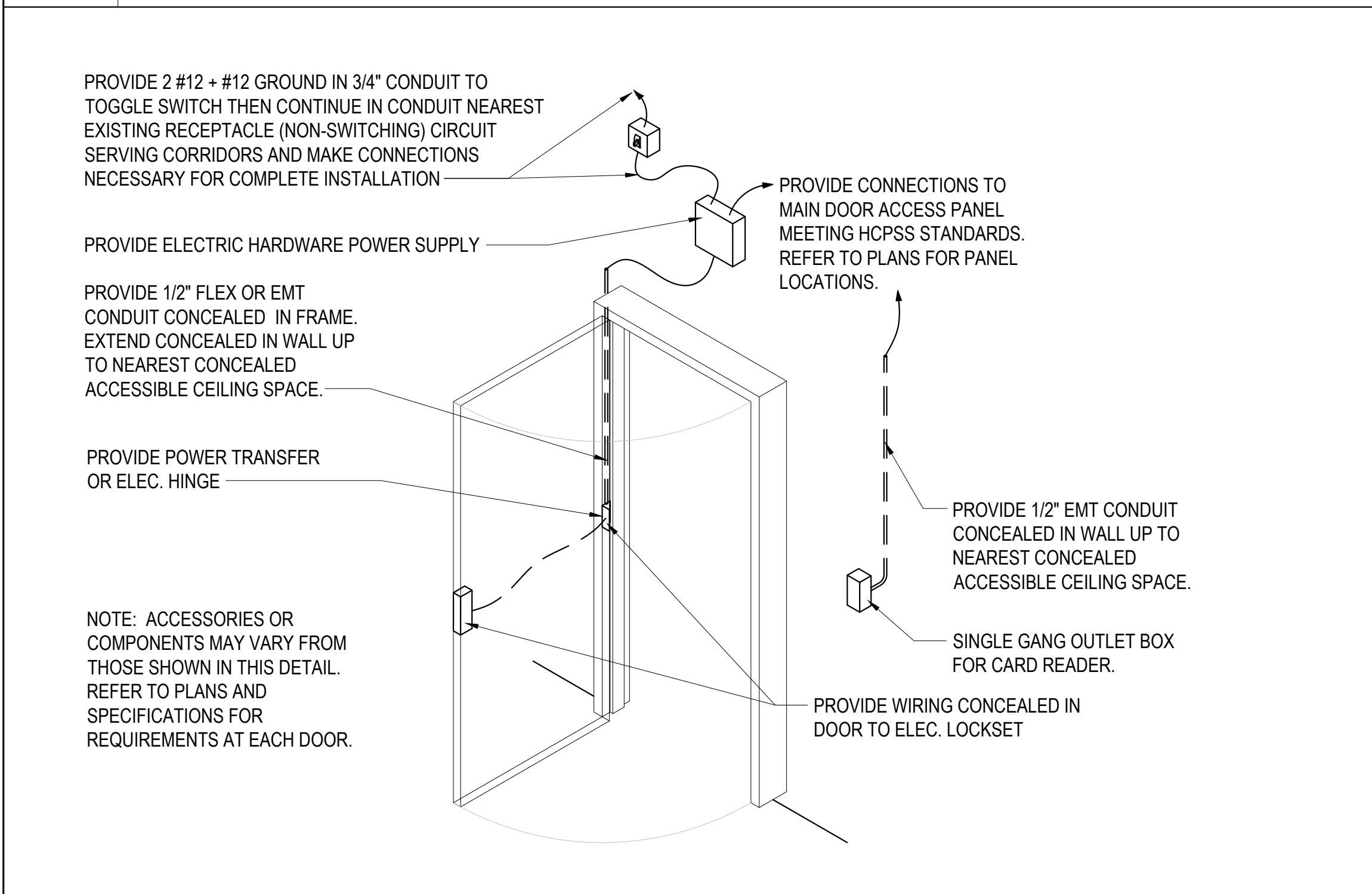
CS

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS

ABBREVIATIONS			
AFF	ABOVE FINISH FLOOR	JT	JOINT
AC	ACOUSTICAL(AL)	JOH	JAMB OVERALL HEIGHT
ACT	ACOUSTICAL TILE	JOW	JAMB OVERALL WIDTH
ADH	ADHESIVE	LAM	LAMINATE(D)
ADJ	ADJUSTABLE	LF	LINEAR FOOT (FEET)
AHU	AIR HANDLING UNIT	MFRGR	MANUFACTURER
ALUM & APPROX	ALUMINUM AND APPROXIMATE	MB	MARKER BOARD
ARCH	ARCHITECT(URAL)	MAT	MATERIAL
@	AT	MAX	MAXIMUM
AVG	AVERAGE	MECH	MECHANICAL
		MEMB	MEMBRANE
		MTL	METAL
BLKG	BLOCKING	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKHD	BULKHEAD	MB	MOISTURE BARRIER
CAB	CABINET	MMA	METHYL METHACRYLATE ACRYLIC
CPT	CARPET	MMARB	METHYL METHACRYLATE ACRYLIC ROLLED BASE
CLG	CEILING	MTD	MOUNTED
CL	CENTER LINE	MULL	MULLION
CF/CI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	N	NORTH
CF/GI	CONTRACTOR FURNISHED / GOVERNMENT INSTALLED	NTD	NOTED
COL	COLUMN	NIC	NOT IN CONTRACT
CONST	CONSTRUCTION	NTS	NOT TO SCALE
CONT	CONTINUOUS		
CG	CORNER GUARD	OFF	OFFICE
CORR	CORRIDOR	OC	ON CENTER
CR	CARD READER	OPG	OPENING
CTR	COUNTER		
		PT	PAINT
DP	DAMPROOFING	PTD	PAINTED
DET	DETAIL	PNL	PANEL
DIM	DIMENSION	PTDP	PAPER TOWEL DISPENSER
DISP	DISPENSER	PLAM	PLASTIC LAMINATE
DR	DOOR		
DN	DOWN	RB	RUBBER BASE
DWG	DRAWING	REINF	REINFORCE(MENT)(ING)
DRAW	DRAWER	REQ	REQUIRED
		RT	RESILIENT TILE
EA	EACH	RM	ROOM
E	EAST		
ELEC	ELECTRICAL	SCHED	SCHEDULE
ELEV	ELEVATOR	SD	SOAP DISPENSER
ENT	ENTRANCE	SEC	SECTION
EPOX	EPOXY FLOORING	SH	SHEET
EPRB	EPOXY ROLLED BASE	SM	SHEET METAL
EQ	EQUAL	SHLVG	SHELVING
EQUIP	EQUIPMENT	SIM	SIMILAR
EXIST	EXISTING	SD	SOAP DISPENSER
EXT	EXTERIOR	S	SOUTH
		SPEC	SPECIFICATION(S)
FLG	FLASHING	SQ	SQUARE
FL	FLOOR	SS	STAINLESS STEEL
FD	FLOOR DRAIN	STD	STANDARD
FLUOR	FLUORESCENT	STL	STEEL
FT	FOOT OR FEET	STR	STRUCTURAL
FRP	FIBERGLASS REINFORCED PLASTIC	SUBFL	SUBFLOOR
		SUSP	SUSPENDED
GALV	GALVANIZED	SV	SHEET VINYL
GA	GAUGE	SVB	SHEET VINYL ROLLED BASE
GEN	GENERAL		
GF/GI	GOVERNMENT FURNISHED / GOVERNMENT INSTALLED	TEMP	TEMPERED
GF/CI	GOVERNMENT FURNISHED / CONTRACTOR INSTALLED	TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
GL	GLASS/GLAZING		
GYP	GYP SUM	VB	VINYL BASE
GWB	GYP SUM WALLBOARD	VERT	VERTICAL(LY)
		VCT	VINYL COMPOSITION TILE
HC	HANDICAPPED, HOLLOW CORE		
HDW	HARDWARE	WP	WATERPROOF
HM	HOLLOW METAL	W	WEST/WIDEWIDTH
		W	WITH
INCL	INCLUDE	W/O	WITHOUT
INSUL	INSULATION	WD	WOOD
INT	INTERIOR	WB	WHITE BOARD



**K5 TYPICAL TURNDOWN SLAB SECTION**  
1\"/>



**E5 ELECTRIFIED HARDWARE DETAIL**  
N/A

CODE SUMMARY	
<b>A. APPLICABLE CODES</b>	<b>F. FIRE PROTECTION SYSTEMS:</b>
1. BUILDING CODES - 2018 IBC	1. BUILDING SPRINKLERED - YES
2. MECHANICAL CODES - 2018 IMC	
3. PLUMBING CODES - 2018 IPC	<b>G. MEANS OF EGRESS</b>
4. ELECTRICAL CODES - 2017 NEC with Local Amendments	1. OCCUPANT LOAD (IBC T1004.1.2)
5. ENERGY CONSERVATION CODES - 2019 IECC	MULTIPLE FUNCTIONS: NO CHANGE IN OCCUPANT LOAD
6. LIFE SAFETY CODE - 2018 NFPA 101 LIFE SAFETY CODE	2. MAXIMUM COMMON PATH OF TRAVEL (IBC T1006.2.1)
7. ACCESSIBILITY CODES - 2010 ADA STANDARDS & COMAR 09.12.53	OCCUPANCY E, WITH SPRINKLER SYSTEM = 75 FEET
	MAXIMUM EXIT ACCESS TRAVEL DISTANCE (IBC T1017.2)
<b>B. BUILDING USE / CONSTRUCTION CLASSIFICATION:</b>	OCCUPANCY E, WITH SPRINKLER SYSTEM = 250 FEET
EXISTING USE GROUP: E - EDUCATION	4. MAXIMUM DEAD END CORRIDOR LENGTH (IBC 1020.4)
PROPOSED USE GROUP: NO CHANGE	OCCUPANCY B = 50 FEET
	5. NUMBER OF EXITS
<b>C. TYPE OF CONSTRUCTION:</b>	CURRENT = 20 EGRESS POINTS
EXISTING: TYPE II B	PROPOSED = NO CHANGE
PROPOSED: NO CHANGE	<b>H. ACCESSIBILITY</b>
<b>D. BUILDING HEIGHT AND AREA LIMITATIONS (IBC T504.3, T504.4, &amp; T506.2):</b>	1. EXISTING BUILDING PROVIDES ACCESSIBLE ROUTES VIA CORRIDORS & RAMPS TO GRADE. ALTERATIONS MAKE NO IMPACT ON THE ACCESSIBILITY OF EXISTING ACCESSIBLE ROUTES
TYPE II B CONSTRUCTION, USE GROUP E (SPRINKLERED), :	2. ALTERED AREAS COMPLY WITH 2010 ADA AND MARYLAND ACCESSIBILITY CODE (COMAR 09.12.53)
HEIGHT.....75 FEET (ABOVE GRADE)	
STORIES.....3	<b>G. ENERGY EFFICIENCY</b>
AREA.....58,000 SF	1. MAXIMUM U-FACTOR & SHGC - VERTICAL FENESTRATION (IECC TC402.1.4 & TC402.4)
EXISTING.....NO CHANGE TO HEIGHT, STORIES, OR AREA	U-FACTOR IECC PROPOSED
<b>E. FIRE RESISTIVE RATING REQUIREMENTS (IBC T601)</b>	OPAQUE SWINGING DOORS 0.61 0.45
1. PRIMARY STRUCTURAL FRAME.....0	ENTRANCE DOORS 0.77 0.77 MAX
2. BEARING WALLS (EXTERIOR).....0	
(INTERIOR).....0	
3. NON-BEARING WALLS (INTERIOR).....0	
4. FLOOR CONSTRUCTION.....0	
5. ROOF CONSTRUCTION.....0	
6. EXTERIOR NON-LOAD BEARING WALL FIRE RATINGS (IBC T602)	
NORTH.....0	
SOUTH.....0	
WEST.....0	
EAST.....0	

CENTENNIAL LANE ELEMENTARY SCHOOL HARDWARE SETS	
<b>CL-H1</b>	Double Steel Entry Opening
	Protect Existing Card Reader to Remain
	Card Reader or Key to Gain Entry through Active Leaf
	Exit Devices of Both Leaves Always Free for Immediate Egress
	5 Heavy Duty Hinge
	1 Electric Hinge
	(For Active Leaf)
	1 Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder & Hex Key Dogging (Fail Secure) (For Active Leaf)
	2 Permanent Core
	1 Rim-Set Exit Device with Manual Latch Retraction & Hex Key Dogging
	1 Exterior Vandal Pull with Cylinder Cut-Out
	(For Active Leaf)
	2 Heavy Duty Closers
	2 Overhead Stop
	1 Removable Mullion
	(Via Hex Key)
	1 Threshold Assembly
	(Notch for Removable Mullion)
	2 Door Bottom Sweep
	1 Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
<b>CL-H2</b>	Single Steel Exit-Only Opening
	No Card Reader
	Interior Exit Device Always Free for Immediate Egress
	3 Heavy Duty Hinge
	1 Rim Set Exit Device with Manual Latch Retraction & Less Dogging
	1 Heavy Duty Closer
	1 Wall Stop
	1 Kickplate on Interior Face
	1 Weather Gasketing Set
	1 Threshold Assembly
	1 Door Bottom Sweep
<b>CL-H3</b>	Double Aluminum Entry Door in Existing Frame
	No Card Reader
	Gasketing by Alum. Door Manufacturer
	Entry Only if Exit Devices are Dogged
	Exit Devices of Both Leaves Always Free for Immediate Egress
	2 Heavy Duty Continuous Hinge
	2 Rim-Set Exit Device with Manual Latch Retraction & Cylinder Dogging
	2 Permanent Core
	1 Key-removable Mullion
	1 Mortise Cylinder
	1 Permanent Core
	1 Exterior Vandal Pull
	2 Heavy Duty Closers
	2 Overhead Stop
	1 Threshold Assembly
	(Notch for Removable Mullion)
	2 Door Bottom Sweep
<b>CL-H4</b>	Double Aluminum Entry Door in Existing Frame
	No Card Reader
	Gasketing by Alum. Door Manufacturer
	Key to Gain Entry through Active Leaf
	Exit Devices of Both Leaves Always Free for Immediate Egress
	2 Heavy Duty Continuous Hinge
	1 Rim-Set Exit Device with Manual Latch Retraction & Cylinder Dogging
	1 Rim-Set Exit Device with Manual Latch Retraction, Rim Cylinder & Cylinder Dogging
	4 Permanent Core
	1 Key-removable Mullion
	1 Mortise Cylinder
	1 Permanent Core
	1 Exterior Vandal Pull
	2 Heavy Duty Closers
	2 Overhead Stop
	1 Threshold Assembly
	(Notch for Removable Mullion)
	2 Door Bottom Sweep
<b>CL-H5</b>	Single Steel Storage Opening
	No Card Reader
	Key to Gain Entry
	Interior Lever Always Free for Immediate Egress
	3 Heavy Duty Hinge
	1 Storage Function Mortise Lockset with Lever Set
	1 Permanent Core
	1 Heavy Duty Closer
	1 Wall Stop
	1 Weather Gasketing Set
	1 Threshold Assembly
<b>CL-H6</b>	Double Steel Opening At Kitchen
	No Card Reader
	Key to Gain Entry
	Interior Lever Always Free for Immediate Egress
	6 Heavy Duty Hinge
	1 Storage Function Mortise Lockset with Lever Set
	1 Permanent Core
	1 Astragal
	(For Active Leaf)
	2 Manual Flush Bolt
	(For Inactive Leaf)
	1 Dust Proof Strike
	(For Inactive Leaf)
	2 Heavy Duty Closer
	2 Overhead Stop with Hold-Open Function
	2 Armor Plate on Interior Face
	1 Weather Gasketing Set
	1 Threshold Assembly
	2 Door Bottom Sweep
<b>CL-H7</b>	Double Aluminum Entry Door in Existing Frame
	No Card Reader
	Gasketing by Alum. Door Manufacturer
	Key to Gain Entry through Active Leaf
	Exit Devices of Both Leaves Always Free for Immediate Egress
	2 Heavy Duty Continuous Hinge
	1 Rim-Set Exit Device with Manual Latch Retraction & Hex Dogging
	1 Rim-Set Exit Device with Manual Latch Retraction, Rim Cylinder & Hex Dogging
	2 Permanent Core
	1 Key-removable Mullion
	1 Mortise Cylinder
	1 Permanent Core
	1 Exterior Vandal Pull
	2 Heavy Duty Closers
	2 Overhead Stop
	1 Threshold Assembly
	(Notch for Removable Mullion)
	2 Door Bottom Sweep
<b>CL-H8</b>	Double Aluminum Inner Vestibule Door in Existing Frame
	No Card Reader
	Gasketing by Alum. Door Manufacturer
	Vandal Pull Entry through Either Leaf
	Both Leaves Always Free For Immediate Egress
	2 Heavy Duty Continuous Hinge
	2 Push Plates
	2 Exterior Vandal Pull
	2 Heavy Duty Closer
	2 Overhead Stop
	1 Threshold Assembly
	2 Door Bottom Sweep
<b>CL-H9</b>	Double Steel Opening
	New Card Reader
	Card Reader or Key to Gain Entry
	Exit Devices of Both Leaves Always Free for Immediate Egress
	5 Heavy Duty Hinge
	1 Electric Hinge
	(For Active Leaf)
	1 Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder & Hex Key Dogging (Fail Secure) (For Active Leaf)
	2 Permanent Core
	1 Rim-Set Exit Device with Manual Latch Retraction & Hex Key Dogging
	1 Exterior Vandal Pull with Cylinder Cut-Out
	(For Active Leaf)
	2 Heavy Duty Closers
	2 Overhead Stop
	1 Removable Mullion
	(Via Hex Key)
	2 Kickplate on Interior Face
	1 Weather Gasketing Set
	1 Threshold Assembly
	(Notch for Removable Mullion)
	2 Door Bottom Sweep
	1 Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
<b>CL-H10</b>	Double Steel Door With Screen at Kitchen
	No Card Reader
	Key or Push Plate to Gain Entry
	Thumbturn and Pull Plate for Egress
	6 Heavy Duty Hinge
	1 Storage Function Mortise Lockset with Lever Set
	(For Active Leaf)
	1 Permanent Core
	1 Astragal
	(For Active Leaf)
	2 Manual Flush Bolt
	(For Inactive Leaf)
	1 Dust Proof Strike
	(For Inactive Leaf)
	2 Heavy Duty Closer
	2 Overhead Stop
	2 Kickplate on Exterior Face
<b>CL-H11</b>	Double Steel Entry Opening
	No Card Reader
	Entry Only if Exit Devices are Dogged
	Exit Devices of Both Leaves Always Free for Immediate Egress
	3 Heavy Duty Hinge
	1 Storage Function Mortise Lockset with Lever Set
	1 Permanent Core
	1 Heavy Duty Closer
	1 Wall Stop
	1 Weather Gasketing Set
	1 Threshold Assembly
<b>CL-H12</b>	Double Steel Opening At Kitchen
	No Card Reader
	Key to Gain Entry
	Interior Lever Always Free for Immediate Egress
	6 Heavy Duty Hinge
	2 Rim-Set Exit Device with Manual Latch Retraction & Hex Key Dogging
	(For Active Leaf)
	1 Exterior Vandal Pull
	2 Heavy Duty Closers
	2 Overhead Stop
	1 Removable Mullion
	(Via Hex Key)
	2 Kickplate on Interior Face
	1 Weather Gasketing Set
	1 Threshold Assembly
	(Notch for Removable Mullion)
	2 Door Bottom Sweep
	1 Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)

NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH E)

NO	REVISION / SUBMISSION	DATE
	95% CD SUBMISSION	11/27/2019
	100% CD SUBMISSION	01/17/2020

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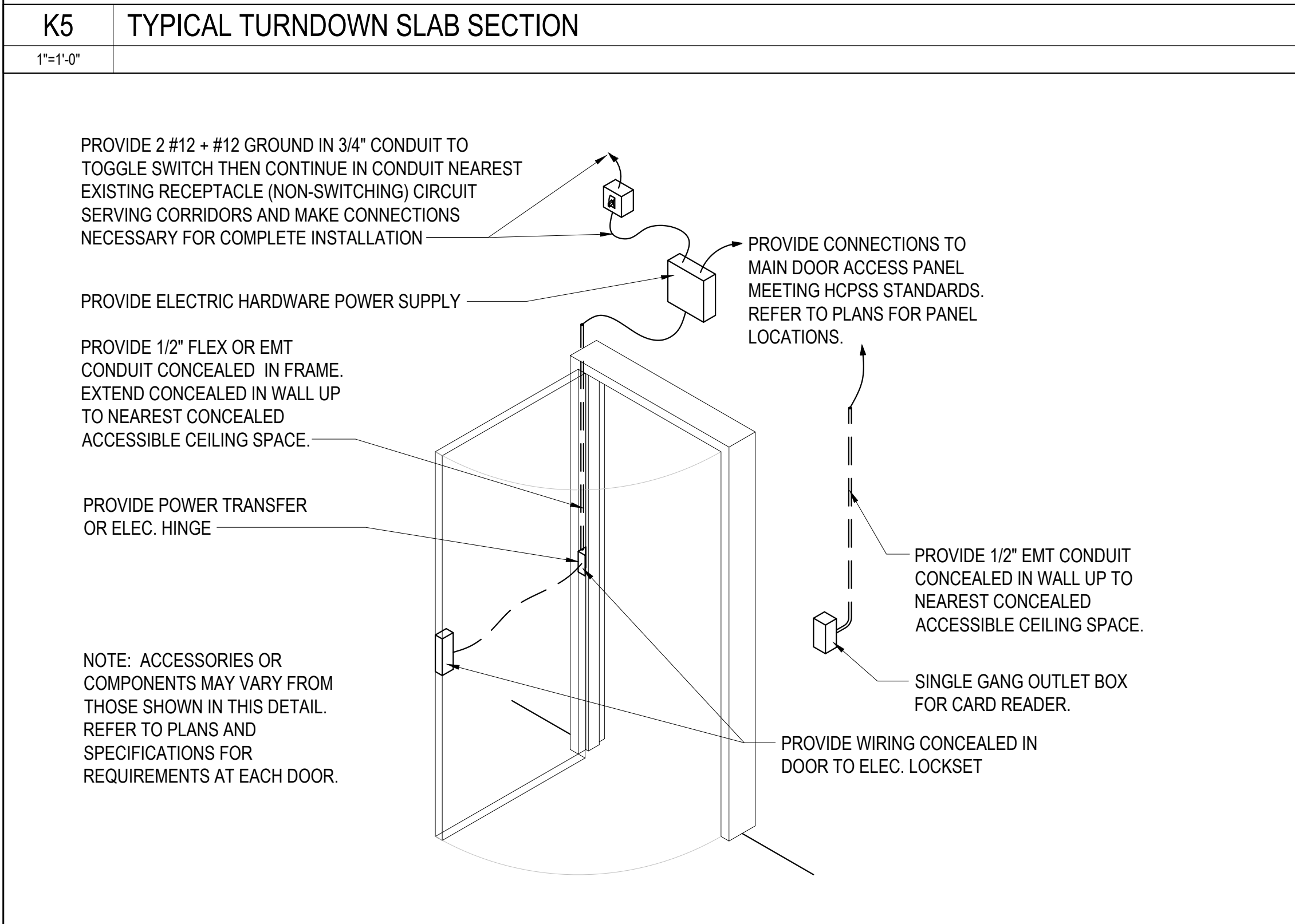
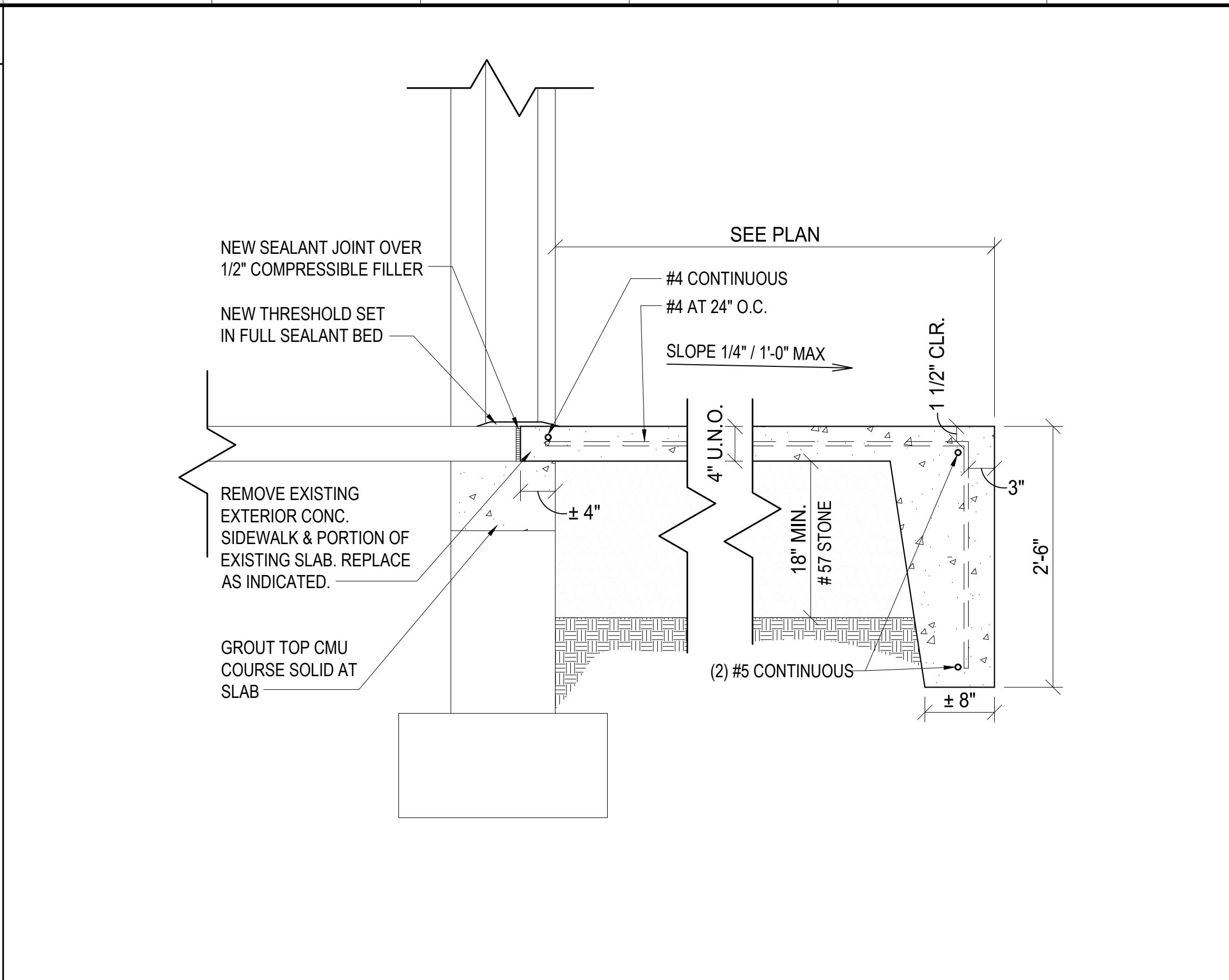
PROJECT	
HCPSS THREE ELEMENTARY SCHOOLS SELECT EXT. DOOR REPLACEMENTS	
CERTIFICATION	SEAL

DRAWING TITLE	
CENTENNIAL LANE ES GENERAL INFORMATION & CODE SUMMARY	
DRAWN	PROJECT # 19035.00
ZSS	DRAWING #
CHECKED	REVISION
ZSS	REM
REVIEWED	DATE 01/17/2020
REM	SCALE AS NOTED
DATE	
SCALE	
AS NOTED	

**G1.1**

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS

ABBREVIATIONS			
AFF	ABOVE FINISH FLOOR	JT	JOINT
AC	ACOUSTIC(AL)	JOH	JAMB OVERALL HEIGHT
ACT	ACOUSTICAL TILE	JOW	JAMB OVERALL WIDTH
ADH	ADHESIVE	LAM	LAMINATE(D)
ADJ	ADJUSTABLE	LF	LINEAR FOOT (FEET)
AHU	AIR HANDLING UNIT	MFRG	MANUFACTURER
ALUM & APPROX	ALUMINUM AND APPROXIMATE	MB	MARKER BOARD
ARCH	ARCHITECT(URAL)	MAT	MATERIAL
@	AT	MAX	MAXIMUM
AVG	AVERAGE	MECH	MECHANICAL
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		MTL	METAL
BLKG	BLOCKING	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKHD	BULKHEAD	MB	MOISTURE BARRIER
CAB	CABINET	MMA	METHYL METHACRYLATE ACRYLIC
CPT	CARPET	MMARB	METHYL METHACRYLATE ACRYLIC ROLLED BASE
CLG	CEILING	MTD	MOUNTED
CL	CENTER LINE	MULL	MULLION
CF/CI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	N	NORTH
CF/GI	CONTRACTOR FURNISHED / GOVERNMENT INSTALLED	NTD	NOTED
COL	COLUMN	NIC	NOT IN CONTRACT
CONST	CONSTRUCTION	NTS	NOT TO SCALE
CONT	CONTINUOUS	OFF	OFFICE
CG	CORNER GUARD	OC	ON CENTER
CORR	CORRIDOR	OPG	OPENING
CR	CARD READER		
CTR	COUNTER	PT	PAINT
		PTD	PAINTED
DP	DAMPROOFING	PNL	PANEL
DET	DETAIL	PDP	PAPER TOWEL DISPENSER
DIM	DIMENSION	PLAM	PLASTIC LAMINATE
DISP	DISPENSER		
DR	DOOR		
DN	DOWN	RB	RUBBER BASE
DWG	DRAWING	REINF	REINFORCE(MENT)(ING)
DRAW	DRAWER	REQ	REQUIRED
		RT	RESILIENT TILE
EA	EACH	RM	ROOM
E	EAST		
ELEC	ELECTRICAL	SCHED	SCHEDULE
ELEV	ELEVATOR	SD	SOAP DISPENSER
ENT	ENTRANCE	SEC	SECTION
EPOX	EPOXY FLOORING	SH	SHEET
EPRB	EPOXY ROLLED BASE	SM	SHEET METAL
EQ	EQUAL	SHLVG	SHELVING
EQUIP	EQUIPMENT	SIM	SIMILAR
EXIST	EXISTING	SD	SOAP DISPENSER
EXT	EXTERIOR	S	SOUTH
		SPEC	SPECIFICATION(S)
FLG	FLASHING	SQ	SQUARE
FL	FLOOR	SS	STAINLESS STEEL
FD	FLOOR DRAIN	STD	STANDARD
FLUOR	FLUORESCENT	STL	STEEL
FT	FOOT OR FEET	STR	STRUCTURAL
FRP	FIBERGLASS REINFORCED PLASTIC	SUBFL	SUBFLOOR
		SUSP	SUSPENDED
GALV	GALVANIZED	SV	SHEET VINYL
GA	GAUGE	SVB	SHEET VINYL ROLLED BASE
GEN	GENERAL		
GF/GI	GOVERNMENT FURNISHED / GOVERNMENT INSTALLED	TEMP	TEMPERED
GF/CI	GOVERNMENT FURNISHED / CONTRACTOR INSTALLED	TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
GL	GLASS/GLAZING		
GYP	GYPSON	VB	VINYL BASE
GWB	GYPSON WALLBOARD	VERT	VERTICAL(LY)
		VCT	VINYL COMPOSITION TILE
HC	HANDICAPPED, HOLLOW CORE		
HDW	HARDWARE	WP	WATERPROOF
HM	HOLLOW METAL	W	WEST/WIDEWIDTH
		W	WITH
INCL	INCLUDE	W/O	WITHOUT
INSUL	INSULATION	WD	WOOD
INT	INTERIOR	WB	WHITE BOARD



<b>K5</b>	<b>TYPICAL TURNDOWN SLAB SECTION</b>
1'-1'-0"	
<b>E5</b>	<b>ELECTRIFIED HARDWARE DETAIL</b>
N/A	

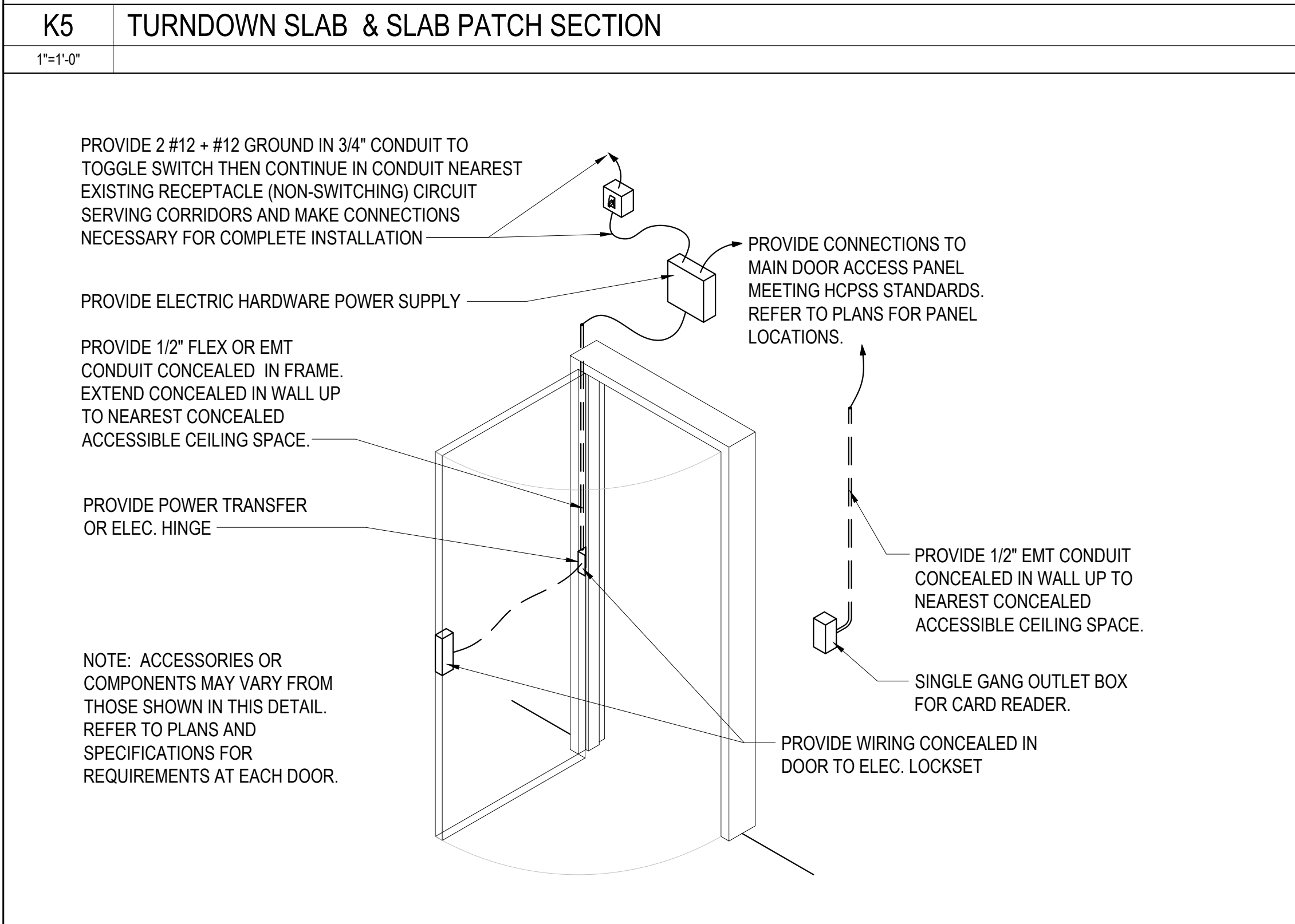
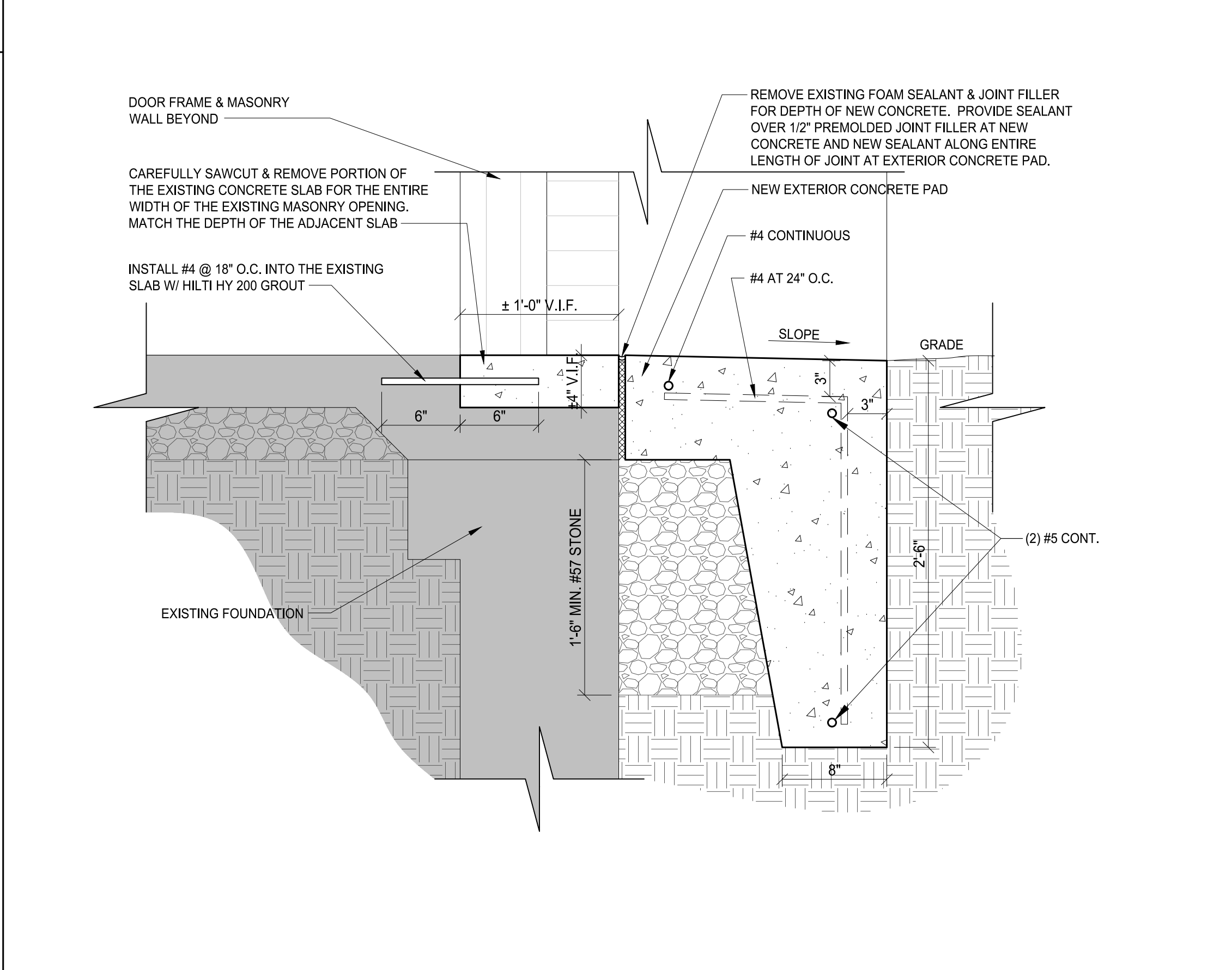
SYMBOL KEY		MATERIAL KEY		CODE SUMMARY	
	DETAIL NUMBER / EXTERIOR ELEVATION NO. SHEET NO.		CONCRETE	A. APPLICABLE CODES	
	PARTITION TYPE		PLYWOOD	1. BUILDING CODES - 2018 IBC	
	DETAIL NUMBER SHEET NUMBER		FINISH WOOD	2. MECHANICAL CODES - 2018 IMC	
	DATUM ELEVATION		WOOD FRAMING/ BLOCKING	3. PLUMBING CODES - 2018 IPC	
	ROOM NAME ROOM NUMBER		GLASS (LARGE SCALE)	4. ELECTRICAL CODES - 2017 NEC with Local Amendments	
	CEILING HEIGHT		STEEL (LARGE SCALE)	5. ENERGY CONSERVATION CODES - 2019 IECC	
	ADA ACCESSIBLE		GYPSON BOARD	6. LIFE SAFETY CODE - 2019 NFPA 101 LIFE SAFETY CODE	
	DEMOLITION NOTE		RIGID INSULATION	7. ACCESSIBILITY CODES - 2010 ADA STANDARDS & COMAR 09.12.53	
	NEW WORK NOTE		SOUND INSULATION	B. BUILDING USE / CONSTRUCTION CLASSIFICATION:	
	INTERIOR ELEVATION NO. (SINGLE VIEW) SHEET NUMBER			EXISTING USE GROUP: E - EDUCATION	
	INTERIOR ELEVATION NO. (SMALL CONDITIONS) SHEET NUMBER			PROPOSED USE GROUP: NO CHANGE	
	DOOR NUMBER			C. TYPE OF CONSTRUCTION:	
	REVISION NUMBER			EXISTING: TYPE II B	
				PROPOSED: NO CHANGE	
				D. BUILDING HEIGHT AND AREA LIMITATIONS (IBC T504.3, T504.4, & T506.2):	
				TYPE II B CONSTRUCTION, USE GROUP E (SPRINKLERED), :	
				HEIGHT.....75 FEET (ABOVE GRADE)	
				STORIES.....3	
				AREA.....58,000 SF	
				EXISTING.....NO CHANGE TO HEIGHT, STORIES, OR AREA	
				E. FIRE RESISTIVE RATING REQUIREMENTS (IBC T601)	
				1. PRIMARY STRUCTURAL FRAME.....0	
				2. BEARING WALLS (EXTERIOR).....0	
				(INTERIOR).....0	
				3. NON-BEARING WALLS (INTERIOR).....0	
				4. FLOOR CONSTRUCTION.....0	
				5. ROOF CONSTRUCTION.....0	
				6. EXTERIOR NON-LOAD BEARING WALL FIRE RATINGS (IBC T602)	
				NORTH.....0	
				SOUTH.....0	
				WEST.....0	
				EAST.....0	
				F. FIRE PROTECTION SYSTEMS:	
				1. BUILDING SPRINKLERED - YES	
				G. MEANS OF EGRESS	
				1. OCCUPANT LOAD (IBC T1004.1.2)	
				MULTIPLE FUNCTIONS: NO CHANGE IN OCCUPANT LOAD	
				2. MAXIMUM COMMON PATH OF TRAVEL (IBC T1006.2.1)	
				OCCUPANCY E, WITH SPRINKLER SYSTEM = 75 FEET	
				3. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (IBC T1017.2)	
				OCCUPANCY E, WITH SPRINKLER SYSTEM = 250 FEET	
				4. MAXIMUM DEAD END CORRIDOR LENGTH (IBC 1020.4)	
				OCCUPANCY B = 50 FEET	
				5. NUMBER OF EXITS	
				CURRENT = 28 EGRESS POINTS	
				PROPOSED = NO CHANGE	
				H. ACCESSIBILITY	
				1. EXISTING BUILDING PROVIDES ACCESSIBLE ROUTES VIA CORRIDORS & RAMPS TO GRADE. ALTERATIONS MAKE NO IMPACT ON THE ACCESSIBILITY OF EXISTING ACCESSIBLE ROUTES	
				2. ALTERED AREAS COMPLY WITH 2010 ADA AND MARYLAND ACCESSIBILITY CODE (COMAR 09.12.53)	
				I. ENERGY EFFICIENCY	
				1. MAXIMUM U-FACTOR & SHGC - VERTICAL FENESTRATION (IECC TC402.1.4 & TC402.4)	
				U-FACTOR IECC PROPOSED	
				OPAQUE SWINGING DOORS 0.61 0.45	
				ENTRANCE DOORS 0.77 0.77 MAX	

Waterloo Elementary School Hardware Sets	
WL-H1	Double Aluminum Entry Opening
	Protect Existing Card Reader to Remain
	Gasketing by Alum. Frame Manufacturer
	Card Reader or Key to Gain Entry through Active Leaf
	Exit Devices of Both Leaves Always Free for Immediate Egress
2	Heavy Duty Continuous Hinge
1	Power Transfer
	(For Active Leaf)
1	Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder & Hex Key Dogging
	(Fail Secure) (For Active Leaf)
2	Permanent Core
1	Rim-Set Exit Device with Manual Latch Retraction & Hex Key Dogging
	(For Active Leaf)
1	Exterior Vandal Pull with Cylinder Cut-Out
	(For Active Leaf)
1	Key-removable Mullion
1	Mortise Cylinder
1	Permanent Core
2	Heavy Duty Closers
1	Overhead Stop
	(For Active Leaf)
1	Wall Stop
	(For Inactive Leaf)
1	Threshold Assembly
	(Notch for Removable Mullion)
2	Door Bottom Sweep
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
WL-H2	Double Steel Storage Opening
	No Card Reader
	Key to Gain Entry through Active Leaf
	Interior Lever on Active Leaf Always Free for Immediate Egress
6	Heavy Duty Hinge
1	Storage Function Mortise Lockset with Lever Set
	(For Active Leaf)
1	Permanent Core
1	Astragal
	(For Active Leaf)
2	Manual Flush Bolt
	(For Inactive Leaf)
1	Dust Proof Strike
	(For Inactive Leaf)
2	Overhead Stop
2	Kickplate
1	Weather Gasketing Set
1	Threshold Assembly
2	Door Bottom Sweep
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
WL-H3	Single Steel Door With Screen at Kitchen
	No Card Reader
	Key or Push Plate to Gain Entry
	Thumbturn and Pull Plate for Egress
3	Heavy Duty Hinge
1	Mortise Deadbolt with Interior Thumbturn
1	Permanent Core
1	Push/Pull Plate Set
1	Heavy Duty Closer
1	Overhead Stop
1	Kickplate on Exterior Face
WL-H4	Single Steel Opening at Kitchen
	New Card Reader
	Card Reader or Key to Gain Entry
	Interior Lever Always Free for Immediate Egress
2	Heavy Duty Hinge
1	Electric Hinge
1	Electric Storage Function Mortise Lockset with Lever Set
	(Fail Secure)
1	Permanent Core
1	Heavy Duty Closer
1	Overhead Stop with Hold-Open Function
	(For Active Leaf)
1	Armor Plate on Interior Face
1	Weather Gasketing Set
1	Threshold Assembly
1	Door Bottom Sweep
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
WL-H5	Double Steel Storage Opening
	No Card Reader
	Key to Gain Entry through Active Leaf
	Interior Exit Device on Active Leaf Always Free for Immediate Egress
6	Heavy Duty Hinge
1	Mortise Set Exit Device with Manual Latch Retraction, Rim Cylinder, & Less Dogging
	(For Active Leaf)
2	Permanent Core
1	Exterior Trim Vandal Pull with Cylinder Cut-Out
	(For Active Leaf)
1	Astragal
	(For Active Leaf)
1	Heavy Duty Closer
	(For Active Leaf)
2	Overhead Stop with Hold-Open Function
2	Manual Flush Bolt
	(For Inactive Leaf)
1	Dust Proof Strike
	(For Inactive Leaf)
2	Overhead Stop
2	Kickplate on Interior Face
1	Continuous Head Drip
1	Weather Gasketing Set
1	Threshold Assembly
2	Door Bottom Sweep
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
WL-H6	Single Steel Exit-Only Door In Existing Frame
	No Card Reader
	Interior Exit Device Always Free for Immediate Egress
1	Heavy Duty Continuous Hinge
1	Rim Set Exit Device with Manual Latch Retraction & Less Dogging
1	Heavy Duty Closer
1	Wall Stop
1	Kickplate on Interior Face
1	Weather Gasketing Set
1	Threshold Assembly
1	Door Bottom Sweep
WL-H7	Single Steel Door in Existing Frame
	New Card Reader
	Card Reader or Key to Gain Entry
	Interior Exit Device Always Free for Immediate Egress
1	Heavy Duty Continuous Hinge
1	Power Transfer
	(Fail Secure)
1	Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder & Less Dogging
	(Fail Secure)
2	Permanent Core
1	Exterior Vandal Pull with Cylinder Cut-Out
1	Heavy Duty Closer
1	Wall Stop
1	Kickplate on Interior Face
1	Weather Gasketing Set
1	Threshold Assembly
1	Door Bottom Sweep
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
WL-H8	Existing Single Steel Opening
	New Card Reader
1	Power Transfer
1	Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder & Less Dogging
	(Fail Secure)
2	Permanent Core
1	Exterior Vandal Pull with Cylinder Cut-Out
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
WL-H9	Existing Double Steel Opening
	Existing Card Reader
1	Power Transfer
1	Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder & Hex Key Dogging
	(Fail Secure) (For Active Leaf)
2	Permanent Core
1	Rim-Set Exit Device with Manual Latch Retraction & Hex Key Dogging
	(For Active Leaf)
1	Exterior Vandal Pull with Cylinder Cut-Out
	(For Active Leaf)
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
WL-H10	Single Steel Door in Existing Frame
	New or Existing Card Reader
	Card Reader Only to Gain Entry
	Interior Exit Device Always Free for Immediate Egress
1	Heavy Duty Continuous Hinge
1	Power Transfer
1	Rim-Set Exit Device with Electric Latch Retraction & Less Dogging
	(Fail Secure)
1	Exterior Vandal Pull
1	Heavy Duty Closer
1	Wall Stop
1	Kickplate on Interior Face
1	Weather Gasketing Set
1	Threshold Assembly
1	Door Bottom Sweep
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)
WL-H11	Double Steel Entry Door in Existing Frame
	Protect Existing Card Reader to Remain
	Card Reader or Key to Gain Entry through Active Leaf
	Exit Devices of Both Leaves Always Free for Immediate Egress
5	Heavy Duty Hinge
1	Electric Hinge
1	Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder & Hex Key Dogging
	(Fail Secure) (For Active Leaf)
2	Permanent Core
1	Rim-Set Exit Device with Manual Latch Retraction & Hex Key Dogging
	(For Active Leaf)
1	Exterior Vandal Pull with Cylinder Cut-Out
	(For Active Leaf)
2	Heavy Duty Closers
2	Overhead Stop
2	Kickplate on Interior Face
1	Weather Gasketing Set
1	Threshold Assembly
1	Door Bottom Sweep
1	Power Supply
	(Incl. Accessories Between Building Power, Hardware, & Card Reader)

NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH ET)		
NO	REVISION / SUBMISSION	DATE
	95% CD SUBMISSION	11/27/2019
	100% CD SUBMISSION	01/17/2020
CONSULTANTS		
PROJECT		
HCPSS THREE ELEMENTARY SCHOOLS SELECT EXT. DOOR REPLACEMENTS		
CERTIFICATION		
DRAWING TITLE		
WATERLOO ES GENERAL INFORMATION & CODE SUMMARY		
DRAWN	ZSS	PROJECT # 19035.00
CHECKED	ZSS	DRAWING #
REVIEWED	REM	
DATE	01/17/2020	
SCALE	AS NOTED	
G1.2		

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS

ABBREVIATIONS	
AFF	ABOVE FINISH FLOOR
AC	ACOUSTICAL(AL)
ACT	ACOUSTICAL TILE
ADH	ADHESIVE
ADJ	ADJUSTABLE
AHU	AIR HANDLING UNIT
ALUM & APPROX	ALUMINUM AND APPROXIMATE
ARCH	ARCHITECT(URAL)
@	AT
AVG	AVERAGE
BLKG	BLOCKING
BLDG	BUILDING
BLKHD	BULKHEAD
CAB	CABINET
CPT	CARPET
CLG	CEILING
CL	CENTER LINE
CF/CI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
CG/CI	CONTRACTOR FURNISHED / GOVERNMENT INSTALLED
COL	COLUMN
CONST	CONSTRUCTION
CONT	CONTINUOUS
CG	CORNER GUARD
CORR	CORRIDOR
CR	CARD READER
CTR	COUNTER
DP	DAMPROOFING
DET	DETAIL
DIM	DIMENSION
DISP	DISPENSER
DR	DOOR
DN	DOWN
DWG	DRAWING
DRAW	DRAWER
EA	EACH
E	EAST
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENT	ENTRANCE
EPOX	EPOXY FLOORING
EPRB	EPOXY ROLLED BASE
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXT	EXTERIOR
FLG	FLASHING
FL	FLOOR
FD	FLOOR DRAIN
FLUOR	FLUORESCENT
FT	FOOT OR FEET
FRP	FIBERGLASS REINFORCED PLASTIC
GALV	GALVANIZED
GA	GAUGE
GEN	GENERAL
GF/GI	GOVERNMENT FURNISHED / GOVERNMENT INSTALLED
GF/CI	GOVERNMENT FURNISHED / CONTRACTOR INSTALLED
GL	GLASS/GLAZING
GYP	GYPSON
GWB	GYPSON WALLBOARD
HC	HANDICAPPED, HOLLOW CORE
HDW	HARDWARE
HM	HOLLOW METAL
INCL	INCLUDE
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
JOH	JAMB OVERALL HEIGHT
JOW	JAMB OVERALL WIDTH
LAM	LAMINATE(D)
LF	LINEAR FOOT (FEET)
MFRGR	MANUFACTURER
MB	MARKER BOARD
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MB	MOISTURE BARRIER
MMA	METHYL METHACRYLATE ACRYLIC
MMARB	METHYL METHACRYLATE ACRYLIC ROLLED BASE
MTD	MOUNTED
MULL	MULLION
N	NORTH
NTD	NOTED
NIC	NOT IN CONTRACT
COLUMN	COLUMN
NTS	NOT TO SCALE
OFF	OFFICE
OC	ON CENTER
OPG	OPENING
PT	PAINT
PTD	PAINTED
PNL	PANEL
PTDP	PAPER TOWEL DISPENSER
PLAM	PLASTIC LAMINATE
RB	RUBBER BASE
REINF	REINFORCE(MENT)(ING)
REQ	REQUIRED
RT	RESILIENT TILE
RM	ROOM
SCHED	SCHEDULE
SD	SOAP DISPENSER
SEC	SECTION
SH	SHEET
SM	SHEET METAL
SHLVG	SHELVING
SIM	SIMILAR
SD	SOAP DISPENSER
S	SOUTH
SPEC	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STR	STRUCTURAL
SUBFL	SUBFLOOR
SUSP	SUSPENDED
SV	SHEET VINYL
SVB	SHEET VINYL ROLLED BASE
TEMP	TEMPERED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VERT	VERTICAL(LY)
VCT	VINYL COMPOSITION TILE
WP	WATERPROOF
W	WEST/WIDEWIDTH
W	WITH
W/O	WITHOUT
WD	WOOD
WB	WHITE BOARD



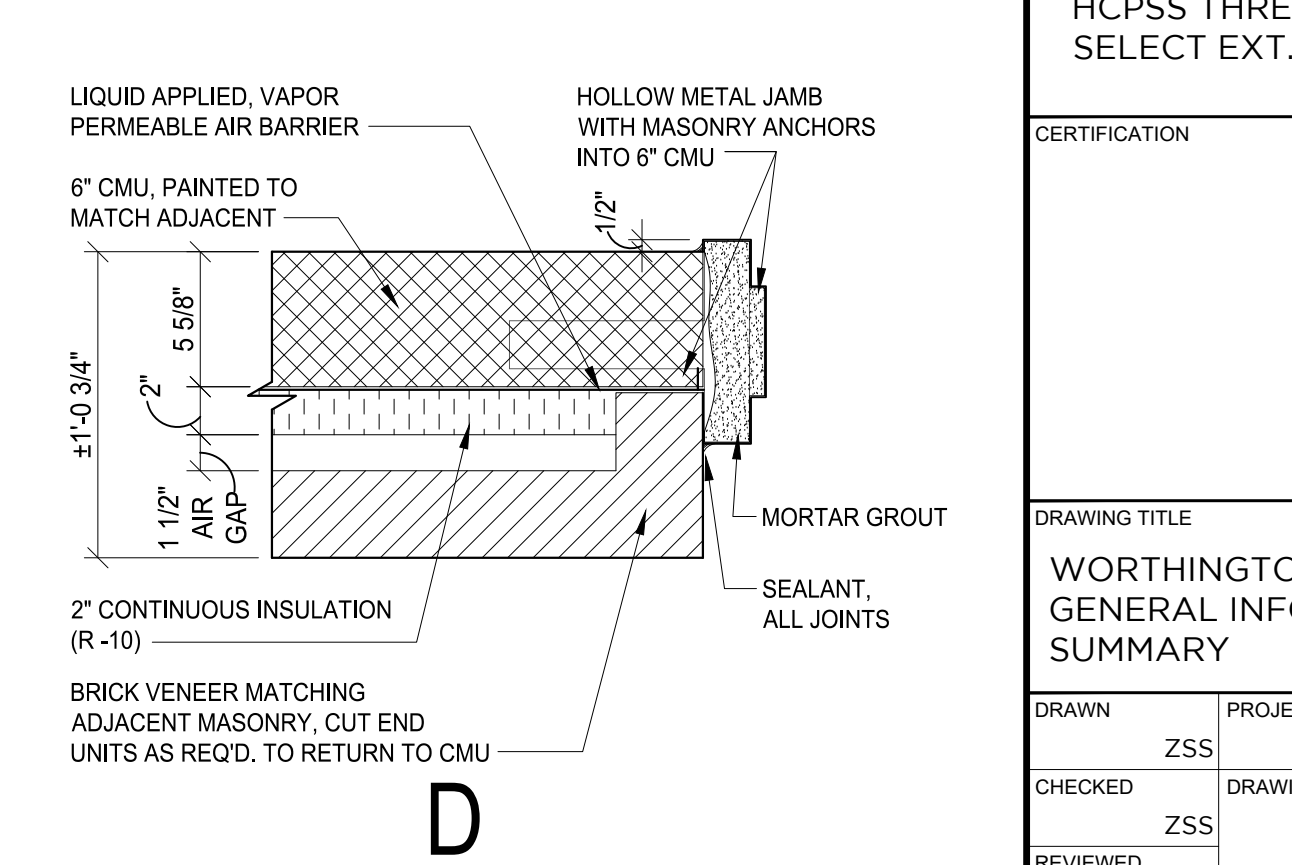
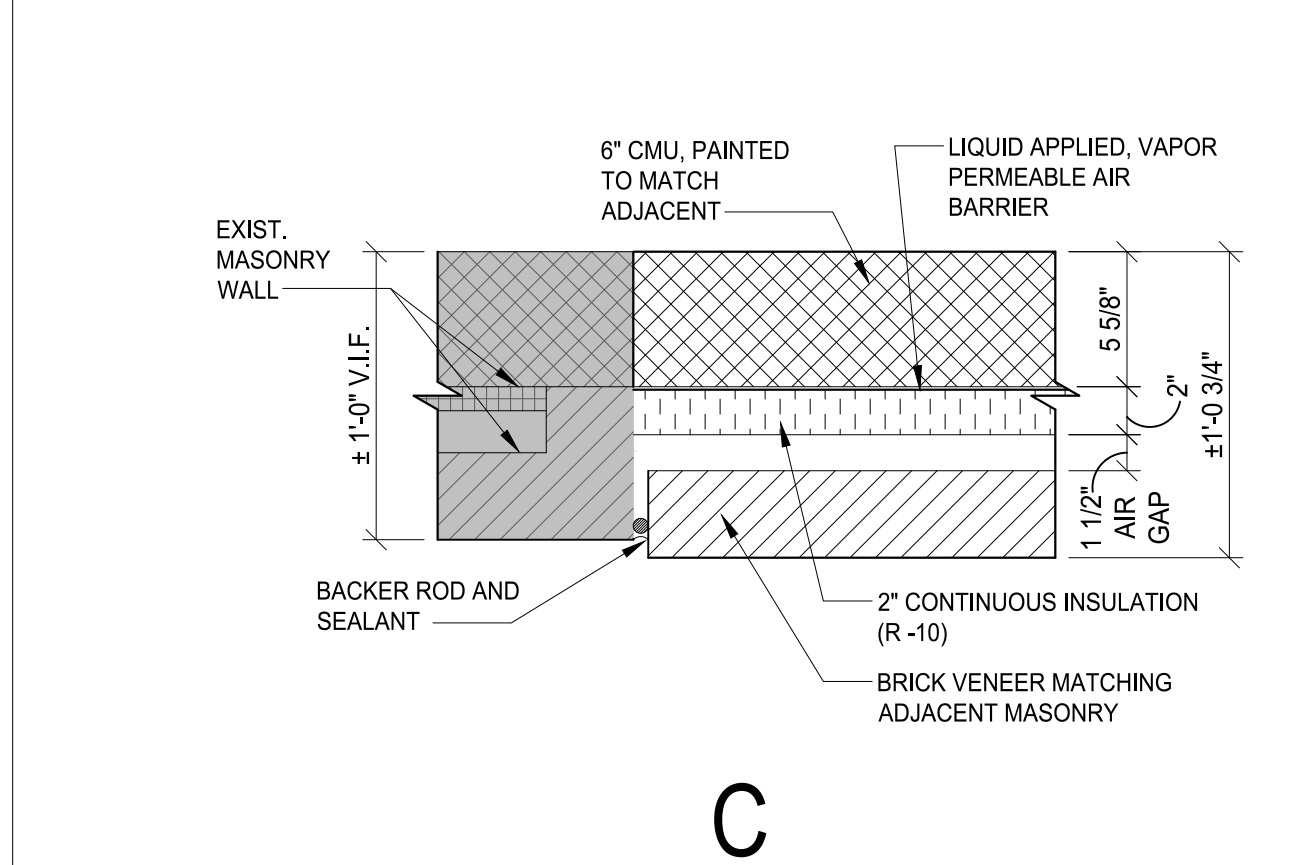
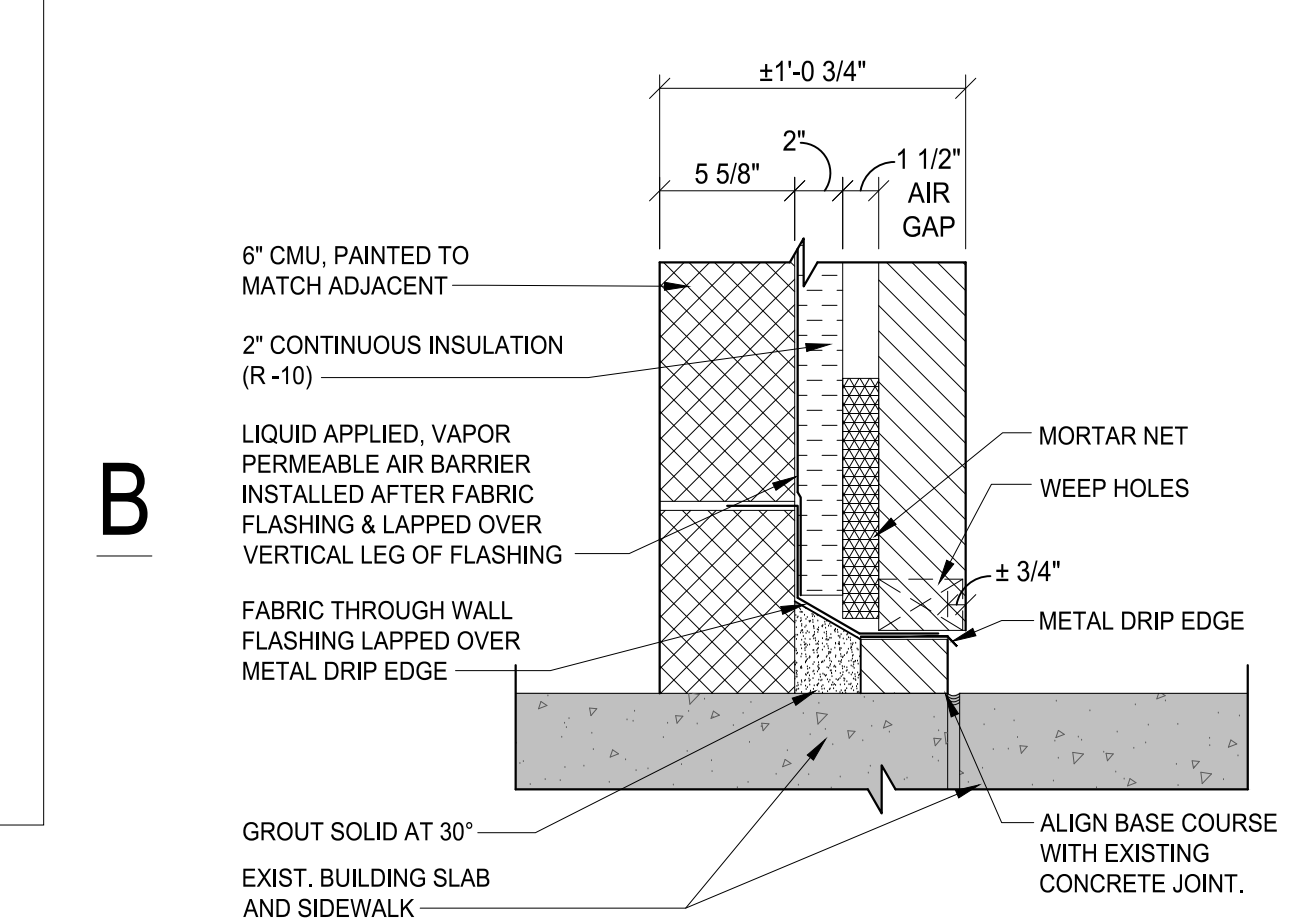
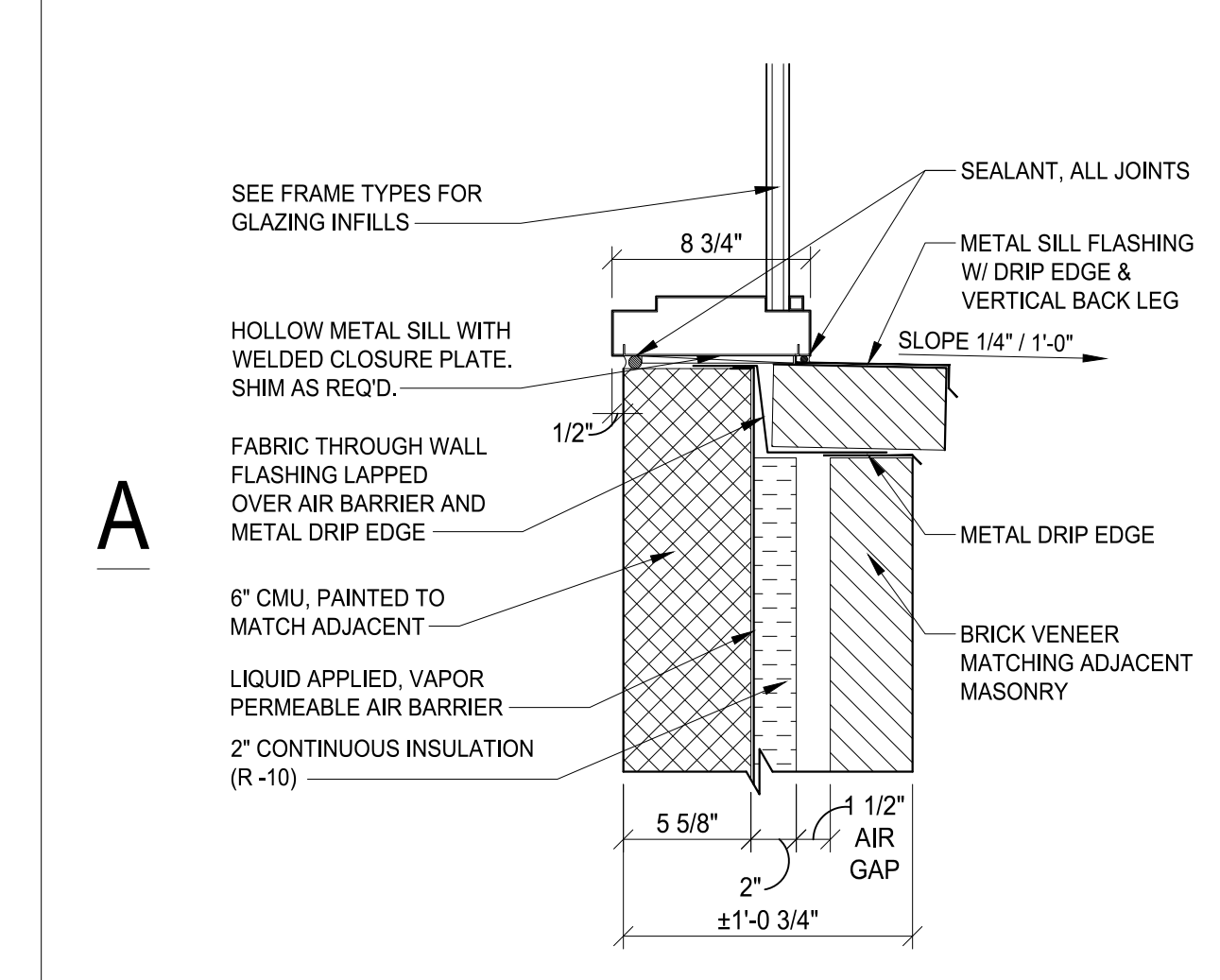
**E5 ELECTRIFIED HARDWARE DETAIL**

- Worthington Elementary School Hardware Sets**
- WT-H1**  
Double Aluminum Entry Doors in Existing Aluminum Frame  
No Card Reader  
Gasketing by Alum. Frame Manufacturer  
Key to Gain Entry through Active Leaf  
Exit Devices of Both Leaves Always Free for Immediate Egress
- 2 Heavy Duty Continuous Hinge  
1 Rim-Set Exit Device with Manual Latch Retraction, Rim Cylinder & Hex Key Dogging (For Active Leaf)  
2 Permanent Core  
1 Rim-Set Exit Device with Manual Latch Retraction & Hex Key Dogging  
1 Exterior Vandal Pull with Cylinder Cut-Out (For Active Leaf)  
1 Key-removable Mullion  
1 Mortise Cylinder  
1 Permanent Core  
2 Heavy Duty Closers  
1 Overhead Stop (For Inactive Leaf)  
1 Wall Stop  
1 Threshold Assembly (Notch for Removable Mullion)  
2 Door Bottom Sweep
- WT-H2**  
Double Aluminum Entry Opening  
Protect Existing Card Reader to Remain  
Gasketing by Alum. Frame Manufacturer  
Card Reader or Key to Gain Entry through Active Leaf  
Exit Devices of Both Leaves Always Free for Immediate Egress
- 2 Heavy Duty Continuous Hinge  
1 Power Transfer (For Active Leaf)  
1 Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder & Hex Key Dogging (Fail Secure) (For Active Leaf)  
2 Permanent Core  
1 Rim-Set Exit Device with Manual Latch Retraction & Hex Key Dogging  
1 Exterior Vandal Pull with Cylinder Cut-Out (For Active Leaf)  
1 Key-removable Mullion  
1 Mortise Cylinder  
1 Permanent Core  
2 Heavy Duty Closers  
1 Overhead Stop (For Inactive Leaf)  
1 Wall Stop  
1 Threshold Assembly (Notch for Removable Mullion)  
2 Door Bottom Sweep  
1 Power Supply (Incl. Accessories Between Building Power, Hardware, & Card Reader)
- WT-H3**  
Single Steel Exit-Only Opening  
No Card Reader  
Interior Exit Device Always Free for Immediate Egress
- 3 Heavy Duty Hinge  
1 Rim Set Exit Device with Manual Latch Retraction & Less Dogging  
1 Heavy Duty Closer  
1 Wall Stop  
1 Kickplate on Interior Face  
1 Weather Gasketing Set  
1 Threshold Assembly  
1 Door Bottom Sweep
- WT-H4**  
Single Steel Opening  
New or Existing Card Reader  
Card Reader Only to Gain Entry  
Interior Exit Device Always Free for Immediate Egress
- 2 Heavy Duty Hinge  
1 Electric Hinge  
1 Rim-Set Exit Device with Electric Latch Retraction & Less Dogging (Fail Secure)  
1 Exterior Vandal Pull  
1 Heavy Duty Closer  
1 Wall Stop  
1 Kickplate on Interior Face  
1 Weather Gasketing Set  
1 Threshold Assembly  
1 Door Bottom Sweep  
1 Power Supply (Incl. Accessories Between Building Power, Hardware, & Card Reader)

- WT-H5**  
Double Steel Storage Opening  
No Card Reader  
Key to Gain Entry through Active Leaf  
Interior Exit Device on Active Leaf Always Free for Immediate Egress
- 6 Heavy Duty Hinge  
1 Mortise Set Exit Device with Manual Latch Retraction, Rim Cylinder, & Less Dogging (For Active Leaf)  
2 Permanent Core  
1 Exterior Trim Vandal Pull with Cylinder Cut-Out (For Active Leaf)  
1 Astragal (For Active Leaf)  
1 Astragal (For Inactive Leaf)  
1 Heavy Duty Closer (For Active Leaf)  
1 Overhead Stop with Hold-Open Function (For Inactive Leaf)  
2 Manual Flush Bolt  
1 Dust Proof Strike (For Inactive Leaf)  
2 Overhead Stop  
2 Kickplate on Interior Face  
1 Continuous Head Drip  
1 Weather Gasketing Set  
1 Threshold Assembly  
2 Door Bottom Sweep
- WT-H6**  
Single Steel Door in Existing Frame  
New or Existing Card Reader  
Card Reader or Key to Gain Entry  
Interior Exit Device Always Free for Immediate Egress
- 3 Heavy Duty Hinge  
1 Power Transfer  
1 Rim-Set Exit Device with Electric Latch Retraction, Rim Cylinder, & Less Dogging (Fail Secure)  
1 Exterior Vandal Pull with Cylinder Cut-Out  
1 Heavy Duty Closer  
1 Wall Stop  
1 Kickplate on Interior Face  
1 Weather Gasketing Set  
1 Threshold Assembly  
1 Door Bottom Sweep  
1 Power Supply (Incl. Accessories Between Building Power, Hardware, & Card Reader)
- WT-H7**  
Double Steel Door With Screen at Kitchen  
No Card Reader  
Key or Push Plate to Gain Entry  
Thumbturn and Pull Plate for Egress
- 6 Heavy Duty Hinge  
1 Storage Function Mortise Lockset with Lever Set (For Active Leaf)  
1 Permanent Core  
1 Astragal (For Active Leaf)  
2 Manual Flush Bolt (For Inactive Leaf)  
1 Dust Proof Strike (For Inactive Leaf)  
2 Heavy Duty Closer  
2 Overhead Stop  
2 Kickplate on Exterior Face

- WT-H8**  
Double Steel Opening at Kitchen  
New Card Reader  
Card Reader or Key to Gain Entry  
Interior Lever Always Free for Immediate Egress
- 5 Heavy Duty Hinge  
1 Electric Hinge  
1 Electric Storage Function Mortise Lockset with Lever Set (Fail Secure)  
1 Permanent Core  
1 Astragal (For Active Leaf)  
1 Astragal (For Inactive Leaf)  
2 Manual Flush Bolt (For Inactive Leaf)  
1 Dust Proof Strike (For Inactive Leaf)  
2 Overhead Stop with Hold-Open Function  
2 Heavy Duty Closer  
2 Overhead Stop with Hold-Open Function  
2 Armor Plate on Interior Face  
1 Weather Gasketing Set  
1 Threshold Assembly  
2 Door Bottom Sweep  
1 Power Supply (Incl. Accessories Between Building Power, Hardware, & Card Reader)
- WT-H9**  
Single Steel Storage Opening  
No Card Reader  
Key Only to Gain Entry  
Interior Level Always Free for Immediate Egress
- 3 Heavy Duty Hinge  
1 Storage Function Mortise Lockset with Lever Set  
1 Permanent Core  
1 Heavy Duty Closer  
1 Overhead Stop  
1 Kickplate  
1 Weather Gasketing Set  
1 Threshold Assembly  
1 Door Bottom Sweep

NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH E)



**A13 BRICK INFILL DETAILS**

CODE SUMMARY	
<b>A. APPLICABLE CODES</b>	<b>F. FIRE PROTECTION SYSTEMS:</b>
1. BUILDING CODES - 2018 IBC	1. BUILDING SPRINKLERED - YES
2. MECHANICAL CODES - 2018 IMC	
3. PLUMBING CODES - 2018 IPC	<b>G. MEANS OF EGRESS</b>
4. ELECTRICAL CODES - 2017 NEC with Local Amendments	1. OCCUPANT LOAD (IBC T1004.1.2)
5. ENERGY CONSERVATION CODES - 2019 IECC	MULTIPLE FUNCTIONS: NO CHANGE IN OCCUPANT LOAD
6. LIFE SAFETY CODE - 2018 NFPA 101 LIFE SAFETY CODE	2. MAXIMUM COMMON PATH OF TRAVEL (IBC T1006.2.1)
7. ACCESSIBILITY CODES - 2010 ADA STANDARDS & COMAR 09.12.53	OCCUPANCY E, WITH SPRINKLER SYSTEM = 75 FEET
	MAXIMUM EXIT ACCESS TRAVEL DISTANCE (IBC T1017.2)
	OCCUPANCY E, WITH SPRINKLER SYSTEM = 250 FEET
	MAXIMUM DEAD END CORRIDOR LENGTH (IBC 1020.4)
	OCCUPANCY B = 50 FEET
	NUMBER OF EXITS
	CURRENT = 24 EGRESS POINTS
	PROPOSED = NO CHANGE
	<b>H. ACCESSIBILITY</b>
	1. EXISTING BUILDING PROVIDES ACCESSIBLE ROUTES VIA CORRIDORS & RAMPS TO GRADE. ALTERATIONS MAKE NO IMPACT ON THE ACCESSIBILITY OF EXISTING ACCESSIBLE ROUTES
	2. ALTERED AREAS COMPLY WITH 2010 ADA AND MARYLAND ACCESSIBILITY CODE (COMAR 09.12.53)
	<b>G. ENERGY EFFICIENCY</b>
	1. MAXIMUM U-FACTOR & SHGC - VERTICAL FENESTRATION (IECC TC402.1.4 & TC402.4)
	U-FACTOR IECC PROPOSED
	OPAQUE SWINGING DOORS 0.61 0.45
	ENTRANCE DOORS 0.77 0.77 MAX
	<b>E. FIRE RESISTIVE RATING REQUIREMENTS (IBC T601)</b>
	1. PRIMARY STRUCTURAL FRAME.....0
	2. BEARING WALLS (EXTERIOR).....0
	(INTERIOR).....0
	3. NON-BEARING WALLS (INTERIOR).....0
	4. FLOOR CONSTRUCTION.....0
	5. ROOF CONSTRUCTION.....0
	6. EXTERIOR NON-LOAD BEARING WALL FIRE RATINGS (IBC T602)
	NORTH.....0
	SOUTH.....0
	WEST.....0
	EAST.....0

MATERIAL KEY	
	CONCRETE
	PLYWOOD
	FINISH WOOD
	WOOD FRAMING/BLOCKING
	GLASS (LARGE SCALE)
	STEEL (LARGE SCALE)
	GYPSON BOARD
	RIGID INSULATION
	SOUND INSULATION

SYMBOL KEY	
	DETAIL NUMBER / EXTERIOR ELEVATION NO. SHEET NO.
	PARTITION TYPE
	DETAIL NUMBER SHEET NUMBER
	DATUM ELEVATION
	ROOM NAME
	ROOM NUMBER
	CEILING HEIGHT
	ADA ACCESSIBLE
	DEMOLITION NOTE
	NEW WORK NOTE
	INTERIOR ELEVATION NO. (SINGLE VIEW) SHEET NUMBER
	INTERIOR ELEVATION NO. SHEET NUMBER
	DETAIL NUMBER (SMALL CONDITIONS) SHEET NUMBER
	DOOR NUMBER
	REVISION NUMBER

NO	REVISION / SUBMISSION	DATE
95%	CD SUBMISSION	11/27/2019
100%	CD SUBMISSION	01/17/2020

**SM+P** CONSULTANTS

PROJECT: HCPSS THREE ELEMENTARY SCHOOLS SELECT EXT. DOOR REPLACEMENTS

CERTIFICATION: SEAL

DRAWING TITLE: WORTHINGTON ES GENERAL INFORMATION & CODE SUMMARY

DRAWN: ZSS PROJECT # 19035.00

CHECKED: ZSS DRAWING #

REVIEWED: REM

DATE: 01/17/2020

SCALE: AS NOTED

**G1.3**

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS



**GENERAL NOTES:**

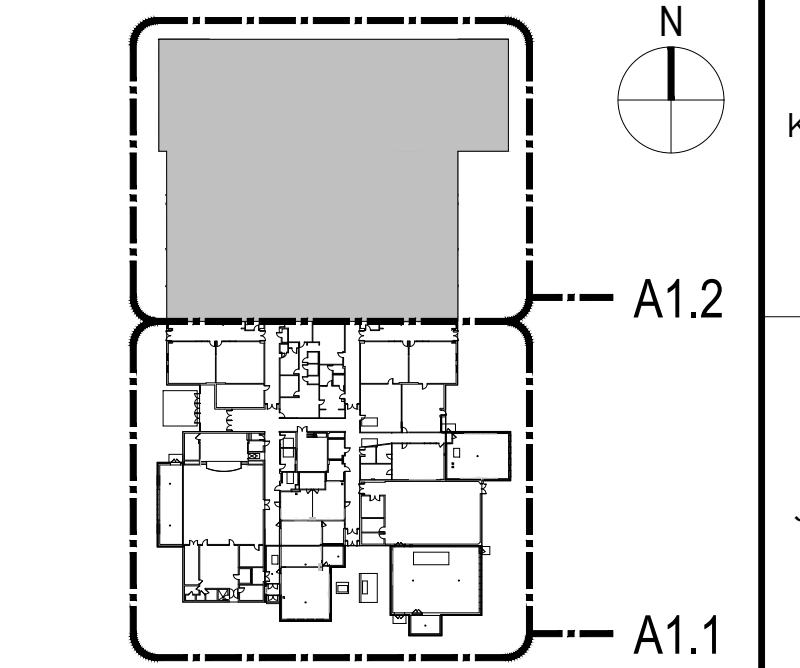
- CONTRACTOR SHALL VERIFY ACCURACY OF ALL EXISTING DIMENSIONS AND PROMPTLY REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- COORDINATE ALL NEW WORK, SYSTEMS, AND OTHER UTILITIES TO PROVIDE FULL FUNCTIONALITY. NOTIFY ARCHITECT PROMPTLY OF ANY CONFLICTS.
- PROVIDE TEMPORARY CONSTRUCTION BARRIERS / DUST PARTITIONS AS REQUIRED TO MEET OWNER'S INDOOR AIR QUALITY STANDARDS. REFER TO SPECIFICATION SECTION 015000. CLOSE ALL VOIDS IN PARTITIONS THAT FORM CONSTRUCTION/NON-CONSTRUCTION BOUNDARIES BEFORE BEGINNING WORK. MAINTAIN ALL REQUIRED EXIT WAYS DURING CONSTRUCTION.
- WHERE 'EXISTING CONSTRUCTION TO BE REMOVED' IS DEMOLISHED FROM 'CONSTRUCTION TO REMAIN', PATCH, FILL HOLES, CLEAN PREPARE, PRIME AND APPLY NEW FINISH. COMPLETED WORK IS TO BE INDISTINGUISHABLE FROM ADJACENT WORK. THIS APPLIES TO ALL FLOORS, WALLS, ETC.
- AT EXISTING WALL SURFACES TO BE INCORPORATED INTO NEW WORK, REMOVE ANY LOOSE PAINT, HANGERS, SIGNAGE, BRACKETS, ETC. FILL HOLES, PATCH SURFACE DAMAGE AND OTHERWISE PREPARE FOR NEW PAINT FINISHES TO MATCH NEW WORK.
- PATCH & REPAIR ALL WALL, FLOOR, & CEILING AREAS AFFECTED BY THE REMOVAL OF EXISTING CONDUIT ASSOCIATED WITH EXISTING ELECTRIFIED HARDWARE AND INSTALLATION OF NEW CONDUIT ASSOCIATED WITH NEW ELECTRIFIED HARDWARE.
- ALL CONSTRUCTION ACTIVITY TO BE COORDINATED WITH HCPSS.
- AT ALL DOORS AND FRAMES BEING REMOVED & DISPOSED OF, SALVAGE THE EXISTING HARDWARE, INCLUDING HANGER RODS AND EXTERIOR TRIM (OTAL) BRAND DOORS BEING REMOVED, AND NOTIFY THE OWNER WHEN THE HARDWARE HAS BEEN SET ASIDE. THE OWNER WILL REVIEW AND RETAIN ANY HARDWARE DESIRED. THE REMAINING HARDWARE WILL BE DISPOSED OF BY THE CONTRACTOR.
- AT EXISTING FRAMES TO REMAIN AND NEW DOORS ARE INSTALLED, PATCH AND PREPARE FRAMES BY FILLING ANY HOLES, PROVIDING ANY FILLER PLATES AT UNUSED RECESSES OR OPENINGS, PATCH DENTS AND SCRATCHES, AND REMOVE / REMEDIATE ANY RUST SPOTS. PROVIDE NEW PAINTED FINISH PER SPECIFICATIONS PRIOR TO INSTALLATION OF NEW DOORS.
- REUSE THE EXISTING HINGE AND STRIKE PLATE CUTOUTS. REPLACE STRIKES FOR UNIT LOCKS FOR ASA STRIKES AS REQUIRED.
- CONTRACTOR SHALL PROVIDE ANY AND ALL NECESSARY ELECTRICAL COMPONENTS AND CONNECTIONS FROM THE POWER SUPPLY TO THE ELECTRIC HARDWARE REQUIRED TO COMPLETE THE INSTALLATION OF ALL NEW DOORS, FRAMES, OR HARDWARE SHOWN, AND PROVIDE THE FUNCTIONALITY LISTED IN THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL COMPONENTS AND CONNECTIONS FROM THE HARDWARE POWER SUPPLIES TO THE SCHOOL'S EXISTING ELECTRICAL SYSTEM, FOLLOWING ALL NEC AND HOWARD COUNTY REQUIREMENTS.
- SECURELY MOUNT ELECTRIC DOOR HARDWARE SUPPLIES WITHIN 15-FEET OF THE DOOR SERVED. PROVIDE POWER TO SUPPLY FROM NEAREST AVAILABLE RECEPTACLE CIRCUIT. TEST CIRCUIT PRIOR TO CONNECTION TO ENSURE ADEQUATE CAPACITY ON CIRCUIT FOR ADDED LOAD. SIZE AND LABEL CONDUIT AND CONDUCTORS PER NEC AND HOWARD COUNTY REQUIREMENTS.
- ALL NEW CONNECTIONS FOR ELECTRIC DOOR HARDWARE SHALL BE CONCEALED WITHIN FRAMES AND DOORS.
- AT EXISTING CARD READERS, SALVAGE EXISTING CARD READERS FOR REINSTALLATION. REPAIR / REPLACE COMPONENTS OR ACCESSORIES AS REQUIRED. REINSTALL CONNECTIONS INSIDE FRAMES AND DOORS. MOUNT CARD READERS OUTSIDE THE SWING RANGE OF ADJACENT DOORS AND AS INDICATED ON THE DRAWINGS. COORDINATE WITH OWNER FOR EXACT INSTALLATION LOCATION.
- AT ALL NEW THRESHOLD INSTALLATIONS, GRIND OR PATCH SLABS WITH NON-SHRINK GROUT SO THAT INTERIOR AND EXTERIOR CONCRETE SURFACES ARE FLUSH. PATCH AND / OR REPAIR FLOOR FINISHES DISTURBED BY THIS WORK TO PROVIDE LEVEL AND CONTINUOUS FLOOR FINISHES INDISTINGUISHABLE FROM ADJACENT FINISHES UP TO THE NEW THRESHOLD. SET NEW THRESHOLDS IN FULL BED OF SEALANT.
- REMOVE AND DISPOSE OF MINI BLINDS ATTACHED TO EXISTING FRAMES BEING DEMOLISHED. PROVIDE NEW MINI BLINDS MATCHING SIZE OF DEMOLISHED BLINDS MEETING THE REQUIREMENTS OF THE SPECIFICATIONS.
- DEMOLISH EXISTING DOOR SECURITY CONTACTS. PATCH HOLES IN MATERIALS TO REMAIN AFTER REMOVAL, AND DEMOLISH ALL ASSOCIATED WIRING BACK TO THE SOURCE.

**SPECIFIC PLAN NOTES:**

- CAREFULLY REMOVE & DISPOSE OF EXISTING DOOR, FRAME, AND GLAZING & INFILL PANELS WHERE APPLICABLE. REMOVE AND SALVAGE EXISTING HARDWARE FOR OWNER REVIEW. PROTECT ADJACENT EQUIPMENT, HARDWARE TO REMAIN, AND WALL, FLOOR AND CEILING FINISHES DURING DEMOLITION. IF REQUIRED, CAREFULLY REMOVE WHOLE ACOUSTICAL CEILING PANELS AND PORTIONS OF ACOUSTICAL CEILING FRAMING TO PREVENT DAMAGE AND ALLOW FOR REINSTALLATION. STORE REMOVED CEILING COMPONENTS FOR DURATION OF DEMOLITION.
- SALVAGE EXISTING CARD READER. COIL UP EXISTING CARD READER CONNECTIONS AND TERMINATE SAFELY ABOVE THE CEILING FOR RECONNECTION. IF LEFT IN PLACE, PROTECT CARD READER FOR THE DURATION OF DEMOLITION AND CONSTRUCTION FROM DAMAGE AND CONSTRUCTION DEBRIS AS REQUIRED.
- CAREFULLY REMOVE AND DISPOSE OF EXISTING DOOR. EXISTING DOOR FRAME SHALL REMAIN. REMOVE AND SALVAGE EXISTING HARDWARE FOR OWNER REVIEW. CLEAN, PATCH, AND REPAIR EXISTING FRAME AS REQUIRED TO PREPARE FOR NEW FINISH. PREPARE AND PAINT FRAME PRIOR TO INSTALLATION OF NEW DOOR PER GENERAL NOTES.
- SALVAGE EXISTING AUTOMATIC DOOR OPERATOR OR PROTECT IN PLACE. SALVAGE WIRING AND STORE OPERATOR SAFELY OR PROTECT FOR THE DURATION OF DEMOLITION. CLEAN AND REPAIR THE UNIT AS REQUIRED TO PREPARE FOR RECONNECTION. RECONNECT OPERATOR TO NEW DOOR LEAF TO RESTORE FULL FUNCTIONALITY. COORDINATE REMOVABLE MULLION SIZE TO CLEAR OPERATOR COVER & ADDITIONAL MOUNTING PLATES AS REQUIRED AT MULLION HEAD.
- REMOVE AND SALVAGE FOR OWNER REVIEW EXISTING MAGNETIC LOCKS. REMOVE AND DISPOSE OF ASSOCIATED MOTION SENSORS, "REQUEST TO EXIT" BUTTONS, JUNCTION BOXES, CONDUITS, BRACKETS, ETC. REMOVE ALL ASSOCIATED WIRING BACK TO CORRESPONDING POWER SUPPLY. PERFORM ALL WORK IN ACCORDANCE WITH NEC AND HOWARD COUNTY REQUIREMENTS.
- AT NEW FRAME INSTALLATION, PATCH, OR REPAIR DAMAGED OR MODIFIED INTERIOR AND EXTERIOR SURFACES WITH MATCHING MATERIALS & FINISHES. WHERE REMOVED, REINSTALL ACOUSTICAL CEILING PANELS AND FRAMING. WHERE EXPOSED, REFINISH EXISTING PAINTED FINISH ON INTERIOR AND EXTERIOR STEEL LINTELS. ADJACENT SURFACES SHALL BE RESTORED TO PRE-DEMOLITION CONDITION AFTER INSTALLATION OF NEW DOORS AND FRAMES AND BE INDISTINGUISHABLE FROM UNDISTURBED SURFACES.
- WHERE REMOVED, REINSTALL CARD READER WHERE INDICATED ON THE DRAWINGS AFTER COORDINATION WITH THE OWNER. RECONNECT THE CARD READER TO EXISTING ASSOCIATED ACCESSORIES AND INSTALL NEW CONNECTIONS TO NEW ELECTRIC HARDWARE AS REQUIRED TO REESTABLISH CARD READER FUNCTIONALITY.
- REMOVE AND TURN OVER TO OWNER EXISTING SCREEN DOORS.
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- CAREFULLY REMOVE THE EXISTING CONCRETE SLAB TO THE NEAREST JOINT SPECIFIED BY THE DIMENSION IN THE PLAN. PREPARE SURROUNDING CONSTRUCTION AND SUBGRADE AS REQUIRED TO RECEIVE NEW TURN-DOWN CONCRETE SLAB. SEE DETAIL ON G1.1, G1.2, OR G1.3 FOR ADDITIONAL INFORMATION.
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- CAREFULLY REMOVE AND DISPOSE OF EXISTING HOLLOW METAL FRAME, GLAZING PANELS, AND/OR INFILL PANELS WHERE APPLICABLE. PROTECT ADJACENT FINISHES TO REMAIN DURING DEMOLITION. IF REQUIRED, CAREFULLY REMOVE PORTION OF CEILING FRAMING AND WHOLE TILES TO ALLOW FOR REMOVAL AND INSTALLATION OF NEW WINDOW. INSTALL NEW WINDOW FRAME AND GLAZING OR INFILL PANELS. REFER TO TYPES AND DETAILS FOR MORE INFORMATION.

NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH ET)

KEY PLAN - CENTENNIAL LANE ES



NO	REVISION / SUBMISSION	DATE
	95% CD SUBMISSION	11/27/2019
	100% CD SUBMISSION	01/17/2020



CONSULTANTS

PROJECT  
HCPSS THREE ELEMENTARY SCHOOLS  
SELECT EXT. DOOR REPLACEMENTS

CERTIFICATION  
SEAL

DRAWING TITLE  
CENTENNIAL LANE ES  
DEMO & NEW WORK FLOOR PLAN  
PART A

DRAWN	ZSS	PROJECT #	19035.00
CHECKED	ZSS	DRAWING #	
REVIEWED	REM		
DATE	01/17/2020		
SCALE	AS NOTED		

**A1.1**





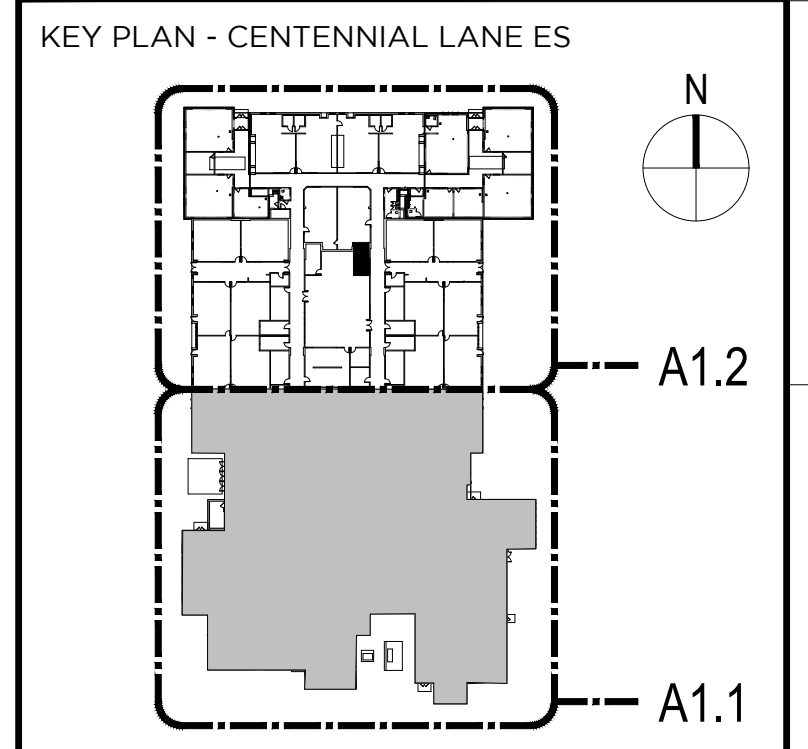
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**SM+P ARCHITECTS**  
 CONSULTANTS  
 SOHAMU MACHOWSKI + PATTERSON ARCHITECTS, INC.  
 1105 CATHEDRAL STREET, BALTIMORE, MD 21201  
 TEL: 410-695-9082 WWW.SMP-ARCHITECTS.COM

PROJECT  
 HCPSS THREE ELEMENTARY SCHOOLS  
 SELECT EXT. DOOR REPLACEMENTS

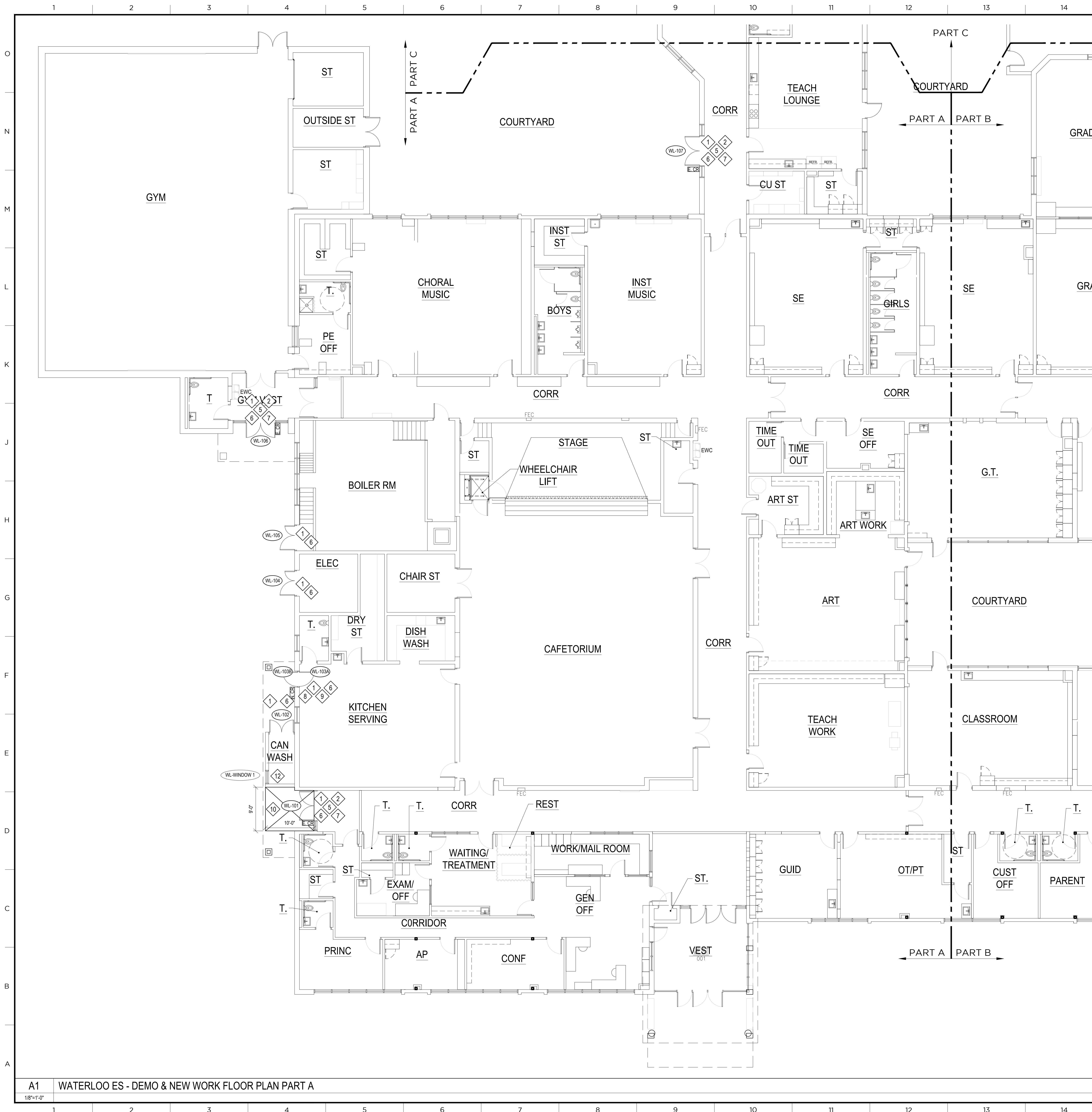
DRAWING TITLE  
 CENTENNIAL LANE ES  
 DEMO & NEW WORK FLOOR PLAN  
 PART B

DRAWN ZSS PROJECT # 19035.00  
 CHECKED ZSS DRAWING #  
 REVIEWED REM  
 DATE 01/17/2020  
 SCALE AS NOTED

**A1.2**

A1 CENTENNIAL LANE ES - DEMO & NEW WORK FLOOR PLAN PART A  
 1/8"=1'-0"

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS



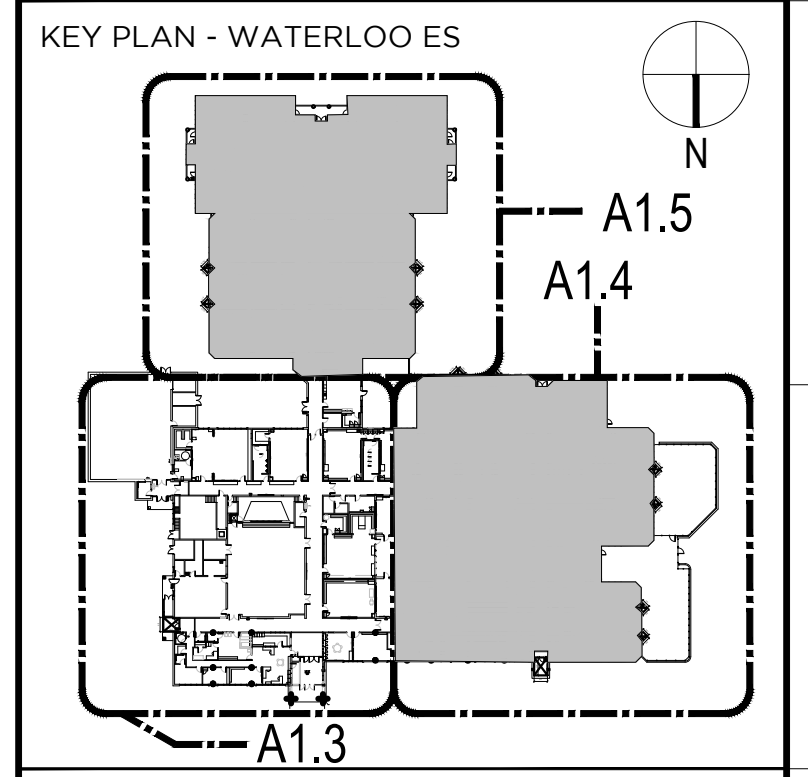
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- 2 SALVAGE EXISTING CARD READER. COIL UP EXISTING CARD READER CONNECTIONS AND TERMINATE SAFELY ABOVE THE CEILING FOR RECONNECTION. IF LEFT IN PLACE, PROTECT CARD READER FOR THE DURATION OF DEMOLITION AND CONSTRUCTION FROM DAMAGE AND CONSTRUCTION DEBRIS AS REQUIRED.
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- 4 SALVAGE EXISTING AUTOMATIC DOOR OPERATOR OR PROTECT IN PLACE. SALVAGE WIRING AND STORE OPERATOR SAFELY OR PROTECT FOR THE DURATION OF DEMOLITION. CLEAN AND REPAIR THE UNIT AS REQUIRED TO PREPARE FOR RECONNECTION. RECONNECT OPERATOR TO NEW DOOR LEAF TO RESTORE FULL FUNCTIONALITY. COORDINATE REMOVABLE MULLION SIZE TO CLEAR OPERATOR COVER & ADDITIONAL MOUNTING PLATES AS REQUIRED AT MULLION HEAD.
- 5 REMOVE AND SALVAGE FOR OWNER REVIEW EXISTING MAGNETIC LOCKS. REMOVE AND DISPOSE OF ASSOCIATED MOTION SENSORS, "REQUEST TO EXIT" BUTTONS, JUNCTION BOXES, CONDUITS, BRACKETS, ETC. REMOVE ALL ASSOCIATED WIRING BACK TO CORRESPONDING POWER SUPPLY. PERFORM ALL WORK IN ACCORDANCE WITH NEC AND HOWARD COUNTY REQUIREMENTS.
- 6 AT NEW FRAME INSTALLATION, PATCH, OR REPAIR DAMAGED OR MODIFIED INTERIOR AND EXTERIOR SURFACES WITH MATCHING MATERIALS & FINISHES. WHERE REMOVED, REINSTALL ACOUSTICAL CEILING PANELS AND FRAMING. WHERE EXPOSED, REFINISH EXISTING PAINTED FINISH ON INTERIOR AND EXTERIOR STEEL LINTELS. ADJACENT SURFACES SHALL BE RESTORED TO PRE-DEMOLITION CONDITION AFTER INSTALLATION OF NEW DOORS AND FRAMES AND BE INDISTINGUISHABLE FROM UNDISTURBED SURFACES.
- 7 WHERE REMOVED, REINSTALL CARD READER WHERE INDICATED ON THE DRAWINGS AFTER COORDINATION WITH THE OWNER. RECONNECT THE CARD READER TO EXISTING ASSOCIATED ACCESSORIES AND INSTALL NEW CONNECTIONS TO NEW ELECTRIC HARDWARE AS REQUIRED TO REESTABLISH CARD READER FUNCTIONALITY.
- 8 REMOVE AND TURN OVER TO OWNER EXISTING SCREEN DOORS.
- 9 PROVIDE NEW CARD READER. REFER TO GENERAL NOTES AND DETAIL ON G1.1, G1.2, G1.3, OR G1.4 FOR ADDITIONAL INFORMATION. VERIFY READER LOCATION WITH OWNER PRIOR TO INSTALLATION.
- 10 CAREFULLY REMOVE THE EXISTING CONCRETE SLAB TO THE NEAREST JOINT SPECIFIED BY THE DIMENSION IN THE PLAN. PREPARE SURROUNDING CONSTRUCTION AND SUBGRADE AS REQUIRED TO RECEIVE NEW TURN-DOWN CONCRETE SLAB. SEE DETAIL ON G1.1, G1.2, OR G1.3 FOR ADDITIONAL INFORMATION.
- 11 REMOVE AND TURN OVER TO OWNER EXISTING CARD READER. DEMOLISH ASSOCIATED JUNCTION BOXES, CONDUITS, BRACKETS, ETC. REMOVE ALL WIRING AND ASSOCIATED POWER SUPPLY. PERFORM ALL WORK IN ACCORDANCE WITH NEC AND HOWARD COUNTY REQUIREMENTS.
- 12 CAREFULLY REMOVE AND DISPOSE OF EXISTING HOLLOW METAL FRAME, GLAZING PANELS, AND/OR INFILL PANELS WHERE APPLICABLE. PROTECT ADJACENT FINISHES TO REMAIN DURING DEMOLITION. IF REQUIRED, CAREFULLY REMOVE PORTION OF CEILING FRAMING AND WHOLE TILES TO ALLOW FOR REMOVAL AND INSTALLATION OF NEW WINDOW. INSTALL NEW WINDOW FRAME AND GLAZING OR INFILL PANELS. REFER TO TYPES AND DETAILS FOR MORE INFORMATION.

NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH ET)



NO	REVISION / SUBMISSION	DATE
95%	CD SUBMISSION	11/27/2019
100%	CD SUBMISSION	01/17/2020

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PROJECT  
HCPSS THREE ELEMENTARY SCHOOLS  
SELECT EXT. DOOR REPLACEMENTS

CERTIFICATION  
SEAL

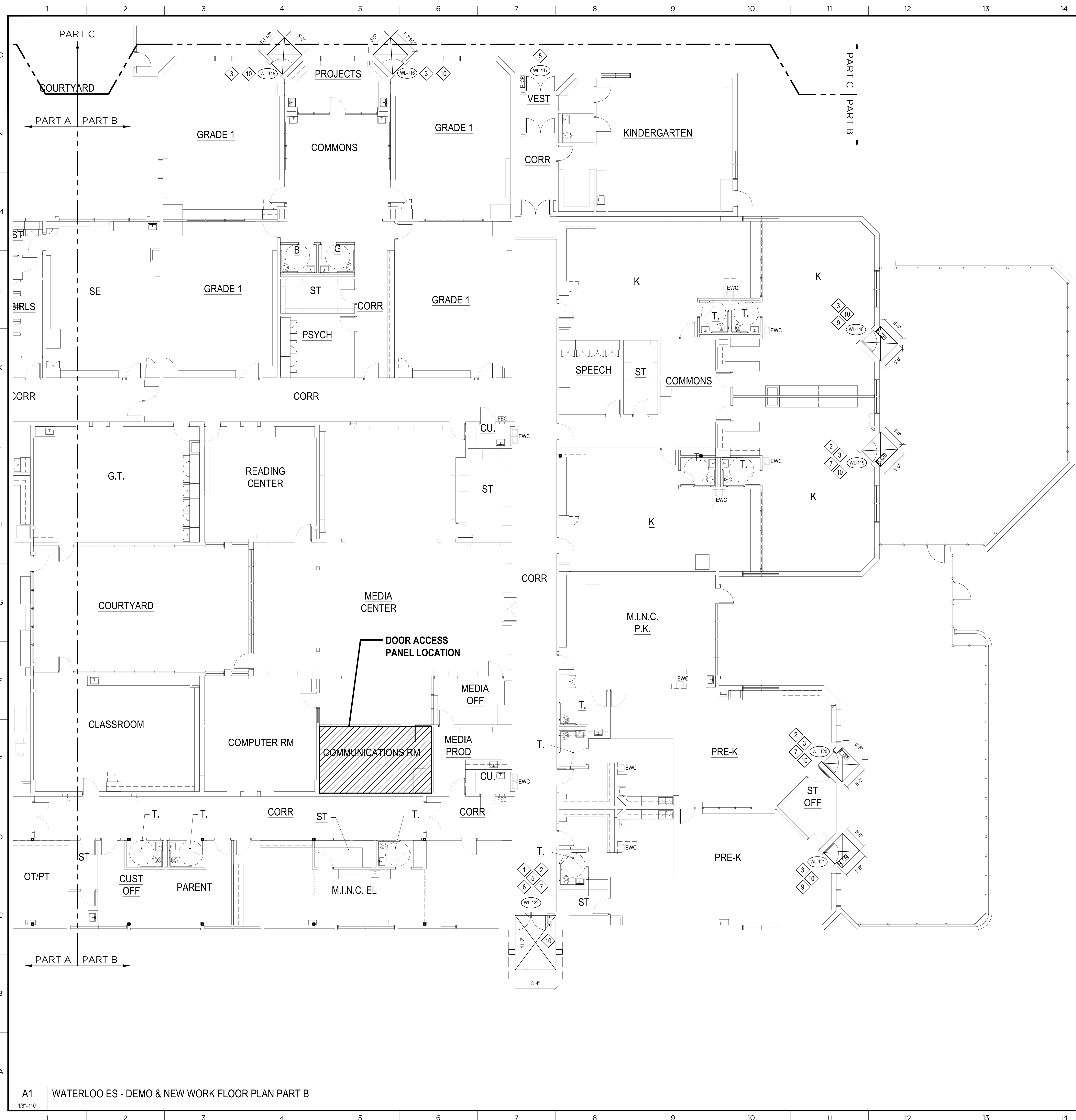
DRAWING TITLE  
WATERLOO ES  
DEMO & NEW WORK FLOOR PLAN  
PART A

DRAWN ZSS PROJECT # 19035.00  
CHECKED ZSS DRAWING #  
REVIEWED REM  
DATE 01/17/2020  
SCALE AS NOTED

**A1.3**

A1 WATERLOO ES - DEMO & NEW WORK FLOOR PLAN PART A  
1/8"=1'-0"

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS



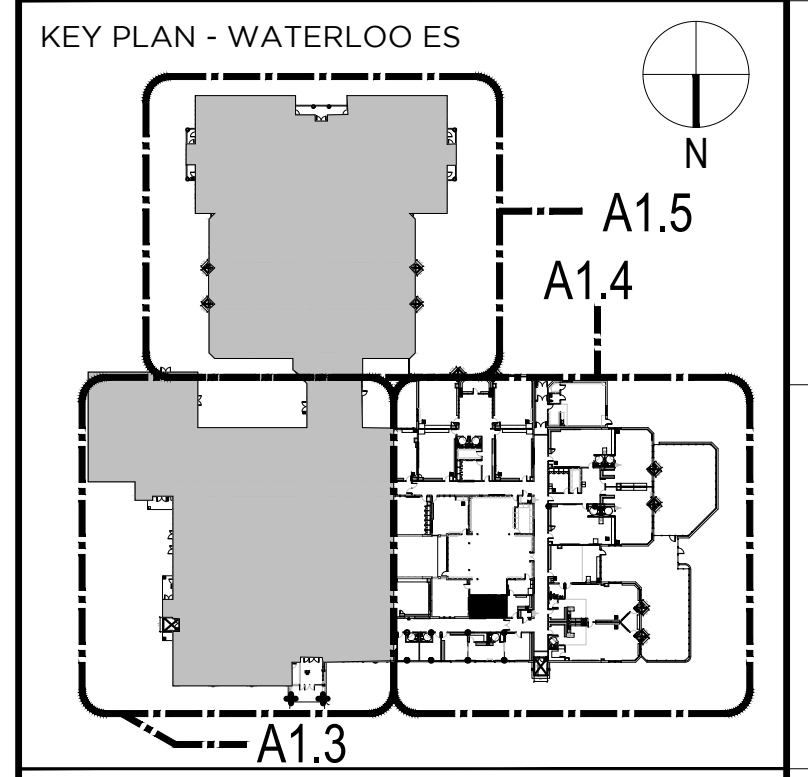
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- CONTRACTOR SHALL VERIFY ACCURACY OF ALL EXISTING DIMENSIONS AND PROMPTLY REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- COORDINATE ALL NEW WORK, SYSTEMS, AND OTHER UTILITIES TO PROVIDE FULL FUNCTIONALITY. NOTIFY ARCHITECT PROMPTLY OF ANY CONFLICTS.
- PROVIDE TEMPORARY CONSTRUCTION BARRIERS / DUST PARTITIONS AS REQUIRED TO MEET OWNER'S INDOOR AIR QUALITY STANDARDS. REFER TO SPECIFICATION SECTION 01500. CLOSE ALL VOIDS IN PARTITIONS THAT FORM CONSTRUCTION/NON-CONSTRUCTION BOUNDARIES BEFORE BEGINNING WORK. MAINTAIN ALL REQUIRED EXIT WAYS DURING CONSTRUCTION.
- WHERE 'EXISTING CONSTRUCTION TO BE REMOVED' IS DEMOLISHED FROM 'CONSTRUCTION TO REMAIN', PATCH, FILL HOLES, CLEAN PREPARE, PRIME AND APPLY NEW FINISH. COMPLETED WORK IS TO BE INDISTINGUISHABLE FROM ADJACENT WORK. THIS APPLIES TO ALL FLOORS, WALLS, ETC.
- AT EXISTING WALL SURFACES TO BE INCORPORATED INTO NEW WORK, REMOVE ANY LOOSE PAINT, HANGERS, SIGNAGE, BRACKETS, ETC. FILL HOLES, PATCH SURFACE DAMAGE AND OTHERWISE PREPARE FOR NEW PAINT FINISHES TO MATCH NEW WORK.
- PATCH & REPAIR ALL WALL, FLOOR, & CEILING AREAS AFFECTED BY THE REMOVAL OF EXISTING CONDUIT ASSOCIATED WITH EXISTING ELECTRIFIED HARDWARE AND INSTALLATION OF NEW CONDUIT ASSOCIATED WITH NEW ELECTRIFIED HARDWARE.
- ALL CONSTRUCTION ACTIVITY TO BE COORDINATED WITH HCPSS.
- AT ALL DOORS AND FRAMES BEING REMOVED & DISPOSED OF, SALVAGE THE EXISTING HARDWARE, INCLUDING HANGER RODS AND EXTERIOR TRIM (CYTAL) BRAND DOORS BEING REMOVED. AND NOTIFY THE OWNER WHEN THE HARDWARE HAS BEEN SET ASIDE. THE OWNER WILL REVIEW AND RETAIN ANY HARDWARE DESIRED. THE REMAINING HARDWARE WILL BE DISPOSED OF BY THE CONTRACTOR.
- AT EXISTING FRAMES TO REMAIN AND NEW DOORS ARE INSTALLED, PATCH AND PREPARE FRAMES BY FILLING ANY HOLES, PROVIDING ANY FILLER PLATES AT UNUSED RECESSES OR OPENINGS, PATCH DENTS AND SCRATCHES, AND REMOVE / REMEDIATE ANY RUST SPOTS. PROVIDE NEW PAINTED FINISH PER SPECIFICATIONS PRIOR TO INSTALLATION OF NEW DOORS.
- REUSE THE EXISTING HINGE AND STRIKE PLATE CUTOUTS. REPLACE STRIKES FOR UNIT LOCKS FOR ASA STRIKES AS REQUIRED.
- CONTRACTOR SHALL PROVIDE ANY AND ALL NECESSARY ELECTRICAL COMPONENTS AND CONNECTIONS FROM THE POWER SUPPLY TO THE ELECTRICAL HARDWARE REQUIRED TO COMPLETE THE INSTALLATION OF ALL NEW DOORS, FRAMES, OR HARDWARE SHOWN, AND PROVIDE THE FUNCTIONALITY LISTED IN THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL COMPONENTS AND CONNECTIONS FROM THE HARDWARE POWER SUPPLIES TO THE SCHOOL'S EXISTING ELECTRICAL SYSTEM, FOLLOWING ALL NEC AND HOWARD COUNTY REQUIREMENTS.
- SECURELY MOUNT ELECTRIC DOOR HARDWARE POWER SUPPLIES WITHIN 15-FEET OF THE DOOR SERVED. PROVIDE POWER TO SUPPLY FROM NEAREST AVAILABLE RECEPTACLE CIRCUIT. TEST CIRCUIT PRIOR TO CONNECTION TO ENSURE ADEQUATE CAPACITY ON CIRCUIT FOR ADDED LOAD. SIZE AND LABEL CONDUIT AND CONDUCTORS PER NEC AND HOWARD COUNTY REQUIREMENTS.
- ALL NEW CONNECTIONS FOR ELECTRIC DOOR HARDWARE SHALL BE CONCEALED WITHIN FRAMES AND DOORS.
- AT EXISTING CARD READERS, SALVAGE EXISTING CARD READERS FOR REINSTALLATION. REPAIR / REPLACE COMPONENTS OR ACCESSORIES AS REQUIRED. (REINSTALL CONNECTIONS INSIDE FRAMES AND DOORS. MOUNT CARD READERS OUTSIDE THE SWING RANGE OF ADJACENT DOORS AND AS INDICATED ON THE DRAWINGS. COORDINATE WITH OWNER FOR EXACT INSTALLATION LOCATION.
- AT ALL NEW THRESHOLD INSTALLATIONS, GRIND OR PATCH SLABS WITH NON-SHRINK GROUT SO THAT INTERIOR AND EXTERIOR CONCRETE SURFACES ARE FLUSH. PATCH AND / OR REPAIR FLOOR FINISHES DISTURBED BY THIS WORK TO PROVIDE LEVEL AND CONTINUOUS FLOOR FINISHES INDISTINGUISHABLE FROM ADJACENT FINISHES UP TO THE NEW THRESHOLD. SET NEW THRESHOLDS IN FULL BED OF SEALANT.
- REMOVE AND DISPOSE OF MINI BLINDS ATTACHED TO EXISTING FRAMES BEING DEMOLISHED. PROVIDE NEW MINI BLINDS MATCHING SIZE OF DEMOLISHED BLINDS MEETING THE REQUIREMENTS OF THE SPECIFICATIONS.
- DEMOLISH EXISTING DOOR SECURITY CONTACTS. PATCH HOLES IN MATERIALS TO REMAIN AFTER REMOVAL, AND DEMOLISH ALL ASSOCIATED WIRING BACK TO THE SOURCE.

**SPECIFIC PLAN NOTES:**

- CAREFULLY REMOVE & DISPOSE OF EXISTING DOOR, FRAME, AND GLAZING & INFILL PANELS WHERE APPLICABLE. REMOVE AND SALVAGE EXISTING HARDWARE FOR OWNER REVIEW. PROTECT ADJACENT EQUIPMENT. HARDWARE TO REMAIN, AND WALL, FLOOR AND CEILING FINISHES DURING DEMOLITION. IF REQUIRED CAREFULLY REMOVE WHOLE ACOUSTICAL CEILING PANELS AND PORTIONS OF ACOUSTICAL CEILING FRAMING TO PREVENT DAMAGE AND ALLOW FOR REINSTALLATION. STORE REMOVED CEILING COMPONENTS FOR DURATION OF DEMOLITION.
- SALVAGE EXISTING CARD READER. COIL UP EXISTING CARD READER CONNECTIONS AND TERMINATE SAFELY ABOVE THE CEILING FOR RECONNECTION. IF LEFT IN PLACE, PROTECT CARD READER FOR THE DURATION OF DEMOLITION AND CONSTRUCTION FROM DAMAGE AND CONSTRUCTION DEBRIS AS REQUIRED.
- CAREFULLY REMOVE AND DISPOSE OF EXISTING DOOR. EXISTING DOOR FRAME SHALL REMAIN. REMOVE AND SALVAGE EXISTING HARDWARE FOR OWNER REVIEW. CLEAN, PATCH, AND REPAIR FRAME AS REQUIRED TO PREPARE FOR NEW FINISH. PREPARE AND PAINT FRAME PRIOR TO INSTALLATION OF NEW DOOR PER GENERAL NOTES.
- SALVAGE EXISTING AUTOMATIC DOOR OPERATOR OR PROTECT IN PLACE. SALVAGE WIRING AND STORE OPERATOR SAFELY OR PROTECT FOR THE DURATION OF DEMOLITION. CLEAN AND REPAIR THE UNIT AS REQUIRED TO PREPARE FOR RECONNECTION. RECONNECT OPERATOR TO NEW DOOR LEAF TO RESTORE FULL FUNCTIONALITY. COORDINATE REMOVABLE MULLION SIZE TO CLEAR OPERATOR COVER & ADDITIONAL MOUNTING PLATES AS REQUIRED AT MULLION HEAD.
- REMOVE AND SALVAGE FOR OWNER REVIEW EXISTING MAGNETIC LOCKS. REMOVE AND DISPOSE OF ASSOCIATED MOTION SENSORS, "REQUEST TO EXIT" BUTTONS, JUNCTION BOXES, CONDUITS, BRACKETS, ETC. REMOVE ALL ASSOCIATED WIRING BACK TO CORRESPONDING POWER SUPPLY. PERFORM ALL WORK IN ACCORDANCE WITH NEC AND HOWARD COUNTY REQUIREMENTS.
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- CAREFULLY REMOVE AND DISPOSE OF EXISTING HOLLOW METAL FRAME, GLAZING PANELS, AND/OR INFILL PANELS WHERE APPLICABLE. PROTECT ADJACENT FINISHES TO REMAIN DURING DEMOLITION. IF REQUIRED, CAREFULLY REMOVE PORTION OF CEILING FRAMING AND WHOLE TILES TO ALLOW FOR REMOVAL AND INSTALLATION OF NEW WINDOW. INSTALL NEW WINDOW FRAME AND GLAZING OR INFILL PANELS. REFER TO TYPES AND DETAILS FOR MORE INFORMATION.

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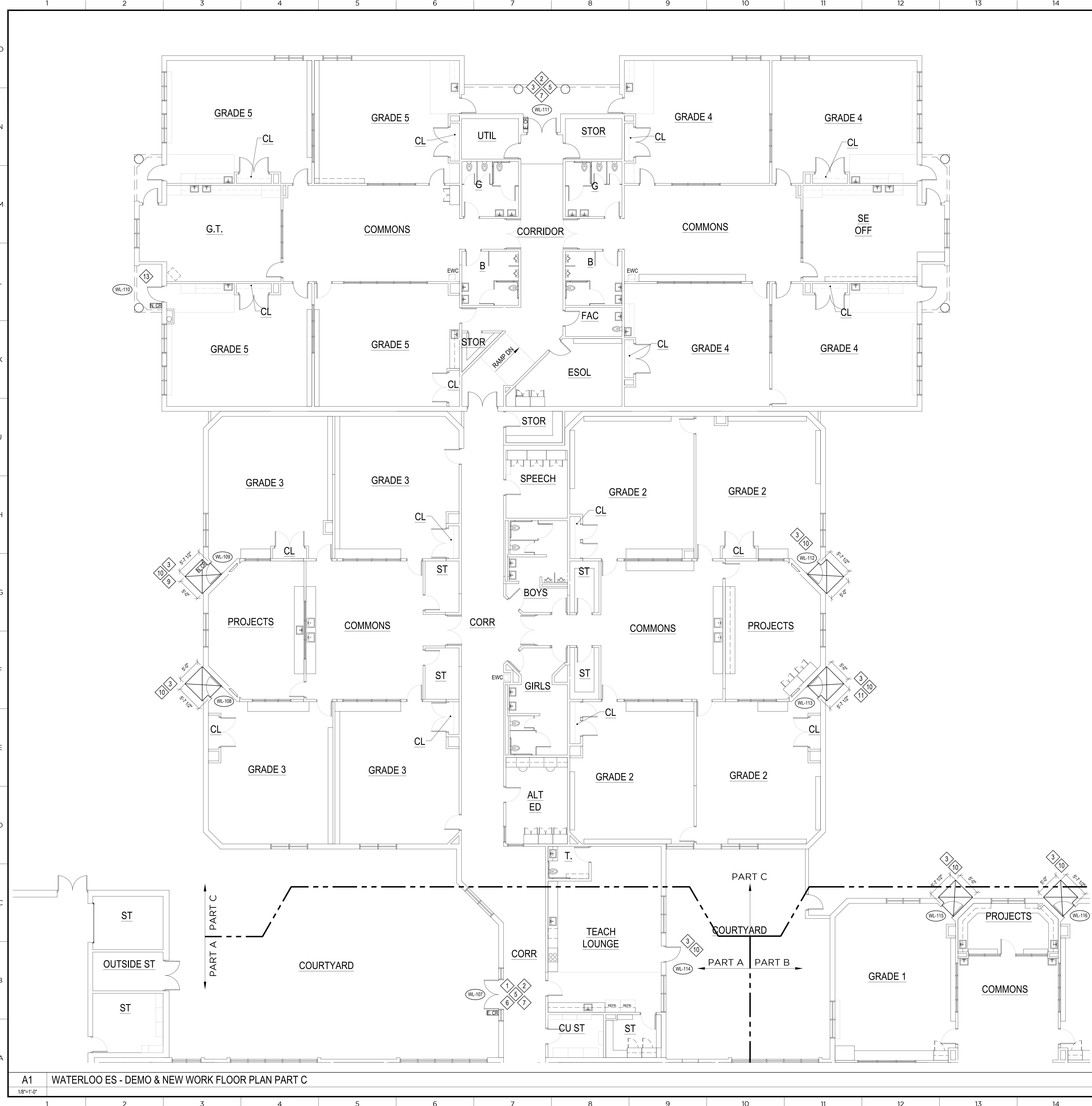
PROJECT  
HCPSS THREE ELEMENTARY SCHOOLS  
SELECT EXT. DOOR REPLACEMENTS

CERTIFICATION  
SEAL

DRAWING TITLE  
WATERLOO ES  
DEMO & NEW WORK FLOOR PLAN  
PART B

DRAWN ZSS PROJECT # 19035.00  
CHECKED ZSS DRAWING #  
REVIEWED REM  
DATE 01/17/2020  
SCALE AS NOTED

**A1.4**



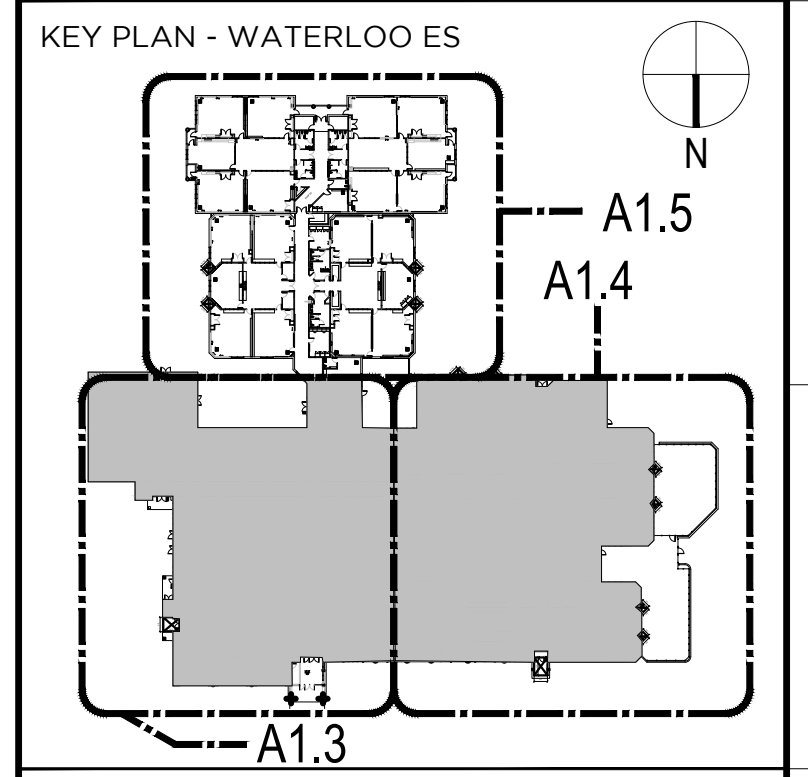
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5. AT EXISTING WALL SURFACES TO BE INCORPORATED INTO NEW WORK, REMOVE ANY LOOSE PAINT, HANGERS, SIGNAGE, BRACKETS, ETC. FILL HOLES, PATCH SURFACE DAMAGE AND OTHERWISE PREPARE FOR NEW PAINT FINISHES TO MATCH NEW WORK.
6. PATCH & REPAIR ALL WALL, FLOOR, & CEILING AREAS AFFECTED BY THE REMOVAL OF EXISTING CONDUIT ASSOCIATED WITH EXISTING ELECTRIFIED HARDWARE AND INSTALLATION OF NEW CONDUIT ASSOCIATED WITH NEW ELECTRIFIED HARDWARE.
7. ALL CONSTRUCTION ACTIVITY TO BE COORDINATED WITH HCPSS.
8. AT ALL DOORS AND FRAMES BEING REMOVED & DISPOSED OF, SALVAGE THE EXISTING HARDWARE, INCLUDING HANGER RODS AND EXTERIOR TRIM ON "TOTAL" BRAND DOORS BEING REMOVED, AND NOTIFY THE OWNER WHEN THE HARDWARE HAS BEEN SET ASIDE. THE OWNER WILL REVIEW AND RETAIN ANY HARDWARE DESIRED. THE REMAINING HARDWARE WILL BE DISPOSED OF BY THE CONTRACTOR.
9. AT EXISTING FRAMES TO REMAIN AND NEW DOORS ARE INSTALLED, PATCH AND PREPARE FRAMES BY FILLING ANY HOLES, PROVIDING ANY FILLER PLATES AT UNUSED RECESSES OR OPENINGS, PATCH DENTS AND SCRATCHES, AND REMOVE / REMEDIATE ANY RUST SPOTS. PROVIDE NEW PAINTED FINISH PER SPECIFICATIONS PRIOR TO INSTALLATION OF NEW DOORS.
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11. CONTRACTOR SHALL PROVIDE ANY AND ALL NECESSARY ELECTRICAL COMPONENTS AND CONNECTIONS FROM THE POWER SUPPLY TO THE ELECTRIC HARDWARE REQUIRED TO COMPLETE THE INSTALLATION OF ALL NEW DOORS, FRAMES, OR HARDWARE SHOWN, AND PROVIDE THE FUNCTIONALITY LISTED IN THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL COMPONENTS AND CONNECTIONS FROM THE HARDWARE POWER SUPPLIES TO THE SCHOOL'S EXISTING ELECTRICAL SYSTEM, FOLLOWING ALL NEC AND HOWARD COUNTY REQUIREMENTS.
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15. AT ALL NEW THRESHOLD INSTALLATIONS, GRIND OR PATCH SLABS WITH NON-SHRINK GROUT SO THAT INTERIOR AND EXTERIOR CONCRETE SURFACES ARE FLUSH. PATCH AND / OR REPAIR FLOOR FINISHES DISTURBED BY THIS WORK TO PROVIDE LEVEL AND CONTINUOUS FLOOR FINISHES INDISTINGUISHABLE FROM ADJACENT FINISHES UP TO THE NEW THRESHOLD. SET NEW THRESHOLDS IN FULL BED OF SEALANT.
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17. DEMOLISH EXISTING DOOR SECURITY CONTACTS. PATCH HOLES IN MATERIALS TO REMAIN AFTER REMOVAL, AND DEMOLISH ALL ASSOCIATED WIRING BACK TO THE SOURCE.

**SPECIFIC PLAN NOTES:**

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5. REMOVE AND SALVAGE FOR OWNER REVIEW EXISTING MAGNETIC LOCKS. REMOVE AND DISPOSE OF ASSOCIATED MOTION SENSORS, "REQUEST TO EXIT" BUTTONS, JUNCTION BOXES, CONDUITS, BRACKETS, ETC. REMOVE ALL ASSOCIATED WIRING BACK TO CORRESPONDING POWER SUPPLY. PERFORM ALL WORK IN ACCORDANCE WITH NEC AND HOWARD COUNTY REQUIREMENTS.
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8. REMOVE AND TURN OVER TO OWNER EXISTING SCREEN DOORS.
9. PROVIDE NEW CARD READER. REFER TO GENERAL NOTES AND DETAIL ON G1.1, G1.2, G1.3, OR G1.4 FOR ADDITIONAL INFORMATION. VERIFY READER LOCATION WITH OWNER PRIOR TO INSTALLATION.
10. CAREFULLY REMOVE THE EXISTING CONCRETE SLAB TO THE NEAREST JOINT SPECIFIED BY THE DIMENSION IN THE PLAN. PREPARE SURROUNDING CONSTRUCTION AND SUBGRADE AS REQUIRED TO RECEIVE NEW TURN-DOWN CONCRETE SLAB. SEE DETAIL ON G1.1, G1.2, OR G1.3 FOR ADDITIONAL INFORMATION.
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PROJECT  
HCPSS THREE ELEMENTARY SCHOOLS  
SELECT EXT. DOOR REPLACEMENTS

CERTIFICATION	SEAL

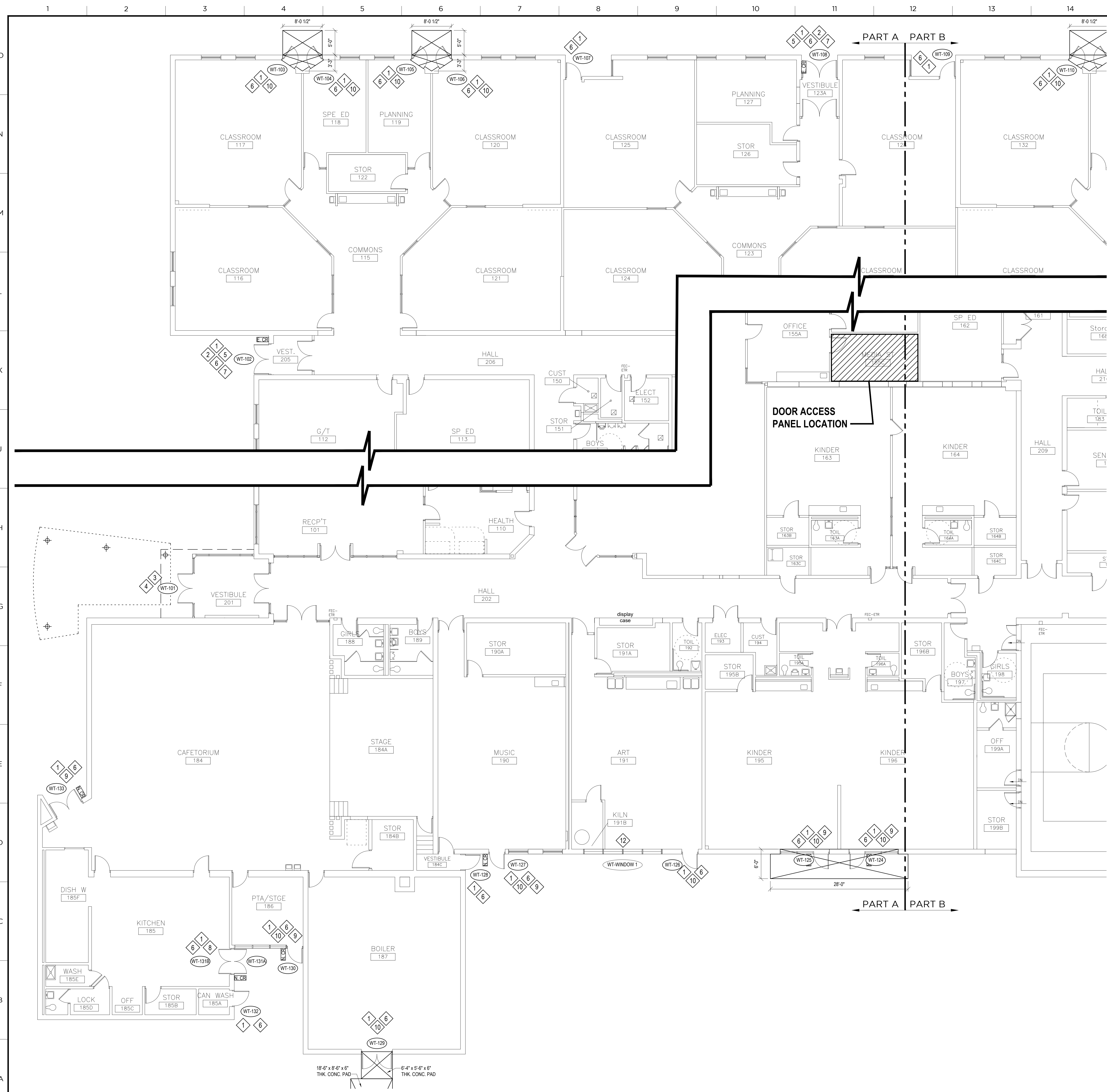
DRAWING TITLE  
WATERLOO ES  
DEMO & NEW WORK FLOOR PLAN  
PART C

DRAWN ZSS PROJECT # 19035.00  
CHECKED ZSS DRAWING #  
REVIEWED REM  
DATE 01/17/2020  
SCALE AS NOTED

**A1.5**

A1 WATERLOO ES - DEMO & NEW WORK FLOOR PLAN PART C  
1/8"=1'-0"

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS



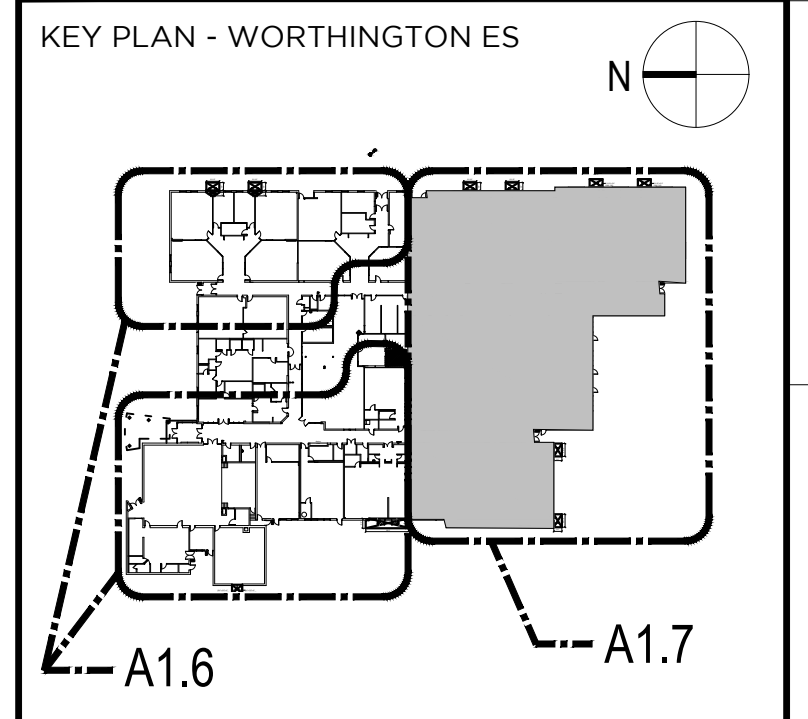
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- PROVIDE TEMPORARY CONSTRUCTION BARRIERS / DUST PARTITIONS AS REQUIRED TO MEET OWNER'S INDOOR AIR QUALITY STANDARDS. REFER TO SPECIFICATION SECTION 01500. CLOSE ALL VOIDS IN PARTITIONS THAT FORM CONSTRUCTION/NON-CONSTRUCTION BOUNDARIES BEFORE BEGINNING WORK. MAINTAIN ALL REQUIRED EXIT WAYS DURING CONSTRUCTION.
- WHERE 'EXISTING CONSTRUCTION TO BE REMOVED' IS DEMOLISHED FROM 'CONSTRUCTION TO REMAIN', PATCH, FILL HOLES, CLEAN PREPARE, PRIME AND APPLY NEW FINISH. COMPLETED WORK IS TO BE INDISTINGUISHABLE FROM ADJACENT WORK. THIS APPLIES TO ALL FLOORS, WALLS, ETC.
- AT EXISTING WALL SURFACES TO BE INCORPORATED INTO NEW WORK, REMOVE ANY LOOSE PAINT, HANGERS, SIGNAGE, BRACKETS, ETC. FILL HOLES, PATCH SURFACE DAMAGE AND OTHERWISE PREPARE FOR NEW PAINT FINISHES TO MATCH NEW WORK.
- PATCH & REPAIR ALL WALL, FLOOR, & CEILING AREAS AFFECTED BY THE REMOVAL OF EXISTING CONDUIT ASSOCIATED WITH EXISTING ELECTRIFIED HARDWARE AND INSTALLATION OF NEW CONDUIT ASSOCIATED WITH NEW ELECTRIFIED HARDWARE.
- ALL CONSTRUCTION ACTIVITY TO BE COORDINATED WITH HCPSS.
- AT ALL DOORS AND FRAMES BEING REMOVED & DISPOSED OF, SALVAGE THE EXISTING HARDWARE, INCLUDING HANGER RODS AND EXTERIOR TRIM ON "TOTAL" BRAND DOORS BEING REMOVED. AND NOTIFY THE OWNER WHEN THE HARDWARE HAS BEEN SET ASIDE. THE OWNER WILL REVIEW AND RETAIN ANY HARDWARE DESIRED. THE REMAINING HARDWARE WILL BE DISPOSED OF BY THE CONTRACTOR.
- AT EXISTING FRAMES TO REMAIN AND NEW DOORS ARE INSTALLED, PATCH AND PREPARE FRAMES BY FILLING ANY HOLES, PROVIDING ANY FILLER PLATES AT UNUSED RECESSES OR OPENINGS, PATCH DENTS AND SCRATCHES, AND REMOVE / REMEDIATE ANY RUST SPOTS. PROVIDE NEW PAINTED FINISH PER SPECIFICATIONS PRIOR TO INSTALLATION OF NEW DOORS.
- REUSE THE EXISTING HINGE AND STRIKE PLATE CUTOUTS. REPLACE STRIKES FOR UNIT LOCKS FOR ASA STRIKES AS REQUIRED.
- CONTRACTOR SHALL PROVIDE ANY AND ALL NECESSARY ELECTRICAL COMPONENTS AND CONNECTIONS FROM THE POWER SUPPLY TO THE ELECTRICAL HARDWARE REQUIRED TO COMPLETE THE INSTALLATION OF ALL NEW DOORS, FRAMES, OR HARDWARE SHOWN, AND PROVIDE THE FUNCTIONALITY LISTED IN THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL COMPONENTS AND CONNECTIONS FROM THE HARDWARE POWER SUPPLIES TO THE SCHOOL'S EXISTING ELECTRICAL SYSTEM, FOLLOWING ALL NEC AND HOWARD COUNTY REQUIREMENTS.
- SECURELY MOUNT ELECTRIC DOOR HARDWARE POWER SUPPLIES WITHIN 15-FEET OF THE DOOR SERVED. PROVIDE POWER TO SUPPLY FROM NEAREST AVAILABLE RECEPTACLE CIRCUIT. TEST CIRCUIT PRIOR TO CONNECTION TO ENSURE ADEQUATE CAPACITY ON CIRCUIT FOR ADDED LOAD. SIZE AND LABEL CONDUIT AND CONDUCTORS PER NEC AND HOWARD COUNTY REQUIREMENTS.
- ALL NEW CONNECTIONS FOR ELECTRIC DOOR HARDWARE SHALL BE CONCEALED WITHIN FRAMES AND DOORS.
- AT EXISTING CARD READERS, SALVAGE EXISTING CARD READERS FOR REINSTALLATION. REPAIR / REPLACE COMPONENTS OR ACCESSORIES AS REQUIRED. (REINSTALL CONNECTIONS INSIDE FRAMES AND DOORS. MOUNT CARD READERS OUTSIDE THE SWING RANGE OF ADJACENT DOORS AND AS INDICATED ON THE DRAWINGS. COORDINATE WITH OWNER FOR EXACT INSTALLATION LOCATION.
- AT ALL NEW THRESHOLD INSTALLATIONS, GRIND OR PATCH SLABS WITH NON-SHRINK GROUT SO THAT INTERIOR AND EXTERIOR CONCRETE SURFACES ARE FLUSH. PATCH AND / OR REPAIR FLOOR FINISHES DISTURBED BY THIS WORK TO PROVIDE LEVEL AND CONTINUOUS FLOOR FINISHES INDISTINGUISHABLE FROM ADJACENT FINISHES UP TO THE NEW THRESHOLD. SET NEW THRESHOLDS IN FULL BED OF SEALANT.
- REMOVE AND DISPOSE OF MINI BLINDS ATTACHED TO EXISTING FRAMES BEING DEMOLISHED. PROVIDE NEW MINI BLINDS MATCHING SIZE OF DEMOLISHED BLINDS MEETING THE REQUIREMENTS OF THE SPECIFICATIONS.
- DEMOLISH EXISTING DOOR SECURITY CONTACTS. PATCH HOLES IN MATERIALS TO REMAIN AFTER REMOVAL, AND DEMOLISH ALL ASSOCIATED WIRING BACK TO THE SOURCE.

**SPECIFIC PLAN NOTES:**

- CAREFULLY REMOVE & DISPOSE OF EXISTING DOOR, FRAME, AND GLAZING & INFILL PANELS WHERE APPLICABLE. REMOVE AND SALVAGE EXISTING HARDWARE FOR OWNER REVIEW. PROTECT ADJACENT EQUIPMENT, HARDWARE TO REMAIN, AND WALL, FLOOR AND CEILING FINISHES DURING DEMOLITION. IF REQUIRED CAREFULLY REMOVE WHOLE ACOUSTICAL CEILING PANELS AND PORTIONS OF ACOUSTICAL CEILING FRAMING TO PREVENT DAMAGE AND ALLOW FOR REINSTALLATION. STORE REMOVED CEILING COMPONENTS FOR DURATION OF DEMOLITION.
- SALVAGE EXISTING CARD READER. COIL UP EXISTING CARD READER CONNECTIONS AND TERMINATE SAFELY ABOVE THE CEILING FOR RECONNECTION. IF LEFT IN PLACE, PROTECT CARD READER FOR THE DURATION OF DEMOLITION AND CONSTRUCTION FROM DAMAGE AND CONSTRUCTION DEBRIS AS REQUIRED.
- CAREFULLY REMOVE AND DISPOSE OF EXISTING DOOR. EXISTING DOOR FRAME SHALL REMAIN. REMOVE AND SALVAGE EXISTING HARDWARE FOR OWNER REVIEW. CLEAN, PATCH, AND REPAIR EXISTING FRAME AS REQUIRED TO PREPARE FOR NEW FINISH. PREPARE AND PAINT FRAME PRIOR TO INSTALLATION OF NEW DOOR PER GENERAL NOTES.
- SALVAGE EXISTING AUTOMATIC DOOR OPERATOR OR PROTECT IN PLACE. SALVAGE WIRING AND STORE OPERATOR SAFELY OR PROTECT FOR THE DURATION OF DEMOLITION. CLEAN AND REPAIR THE UNIT AS REQUIRED TO PREPARE FOR RECONNECTION. RECONNECT OPERATOR TO NEW DOOR LEAF TO RESTORE FULL FUNCTIONALITY. COORDINATE REMOVABLE MULLION SIZE TO CLEAR OPERATOR COVER & ADDITIONAL MOUNTING PLATES AS REQUIRED AT MULLION HEAD.
- REMOVE AND SALVAGE FOR OWNER REVIEW EXISTING MAGNETIC LOCKS. REMOVE AND DISPOSE OF ASSOCIATED MOTION SENSORS, "REQUEST TO EXIT" BUTTONS, JUNCTION BOXES, CONDUITS, BRACKETS, ETC. REMOVE ALL ASSOCIATED WIRING BACK TO CORRESPONDING POWER SUPPLY. PERFORM ALL WORK IN ACCORDANCE WITH NEC AND HOWARD COUNTY REQUIREMENTS.
- AT NEW FRAME INSTALLATION, PATCH, OR REPAIR DAMAGED OR MODIFIED INTERIOR AND EXTERIOR SURFACES WITH MATCHING MATERIALS & FINISHES. WHERE REMOVED, REINSTALL ACOUSTICAL CEILING PANELS AND FRAMING. WHERE EXPOSED, REFINISH EXISTING PAINTED FINISH ON INTERIOR AND EXTERIOR STEEL LINTELS. ADJACENT SURFACES SHALL BE RESTORED TO PRE-DEMOLITION CONDITION AFTER INSTALLATION OF NEW DOORS AND FRAMES AND BE INDISTINGUISHABLE FROM UNDISTURBED SURFACES.
- WHERE REMOVED, REINSTALL CARD READER WHERE INDICATED ON THE DRAWINGS AFTER COORDINATION WITH THE OWNER. RECONNECT THE CARD READER TO EXISTING ASSOCIATED ACCESSORIES AND INSTALL NEW CONNECTIONS TO NEW ELECTRICAL HARDWARE AS REQUIRED TO REESTABLISH CARD READER FUNCTIONALITY.
- REMOVE AND TURN OVER TO OWNER EXISTING SCREEN DOORS.
- PROVIDE NEW CARD READER. REFER TO GENERAL NOTES AND DETAIL ON G1.1, G1.2, G1.3, OR G1.4 FOR ADDITIONAL INFORMATION. VERIFY READER LOCATION WITH OWNER PRIOR TO INSTALLATION.
- CAREFULLY REMOVE THE EXISTING CONCRETE SLAB TO THE NEAREST JOINT SPECIFIED BY THE DIMENSION IN THE PLAN. PREPARE SURROUNDING CONSTRUCTION AND SUBGRADE AS REQUIRED TO RECEIVE NEW TURN-DOWN CONCRETE SLAB. SEE DETAIL ON G1.1, G1.2, OR G1.3 FOR ADDITIONAL INFORMATION.
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- CAREFULLY REMOVE AND DISPOSE OF EXISTING HOLLOW METAL FRAME, GLAZING PANELS, AND/OR INFILL PANELS WHERE APPLICABLE. PROTECT ADJACENT FINISHES TO REMAIN DURING DEMOLITION. IF REQUIRED, CAREFULLY REMOVE PORTION OF CEILING FRAMING AND WHOLE TILES TO ALLOW FOR REMOVAL AND INSTALLATION OF NEW WINDOW. INSTALL NEW WINDOW FRAME AND GLAZING OR INFILL PANELS. REFER TO TYPES AND DETAILS FOR MORE INFORMATION.

NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH ET)



NO	REVISION / SUBMISSION	DATE
1	95% CD SUBMISSION	11/27/2019
2	100% CD SUBMISSION	01/17/2020

**SM+P** ARCHITECTS  
 SOHARU MACHOWSKI + PATTERSON ARCHITECTS, INC.  
 1105 CATHEDRAL STREET, BALTIMORE, MD 21201  
 TEL: 410-695-7082 WWW.SM+P-ARCHITECTS.COM

PROJECT	HCPSS THREE ELEMENTARY SCHOOLS SELECT EXT. DOOR REPLACEMENTS
CERTIFICATION	SEAL

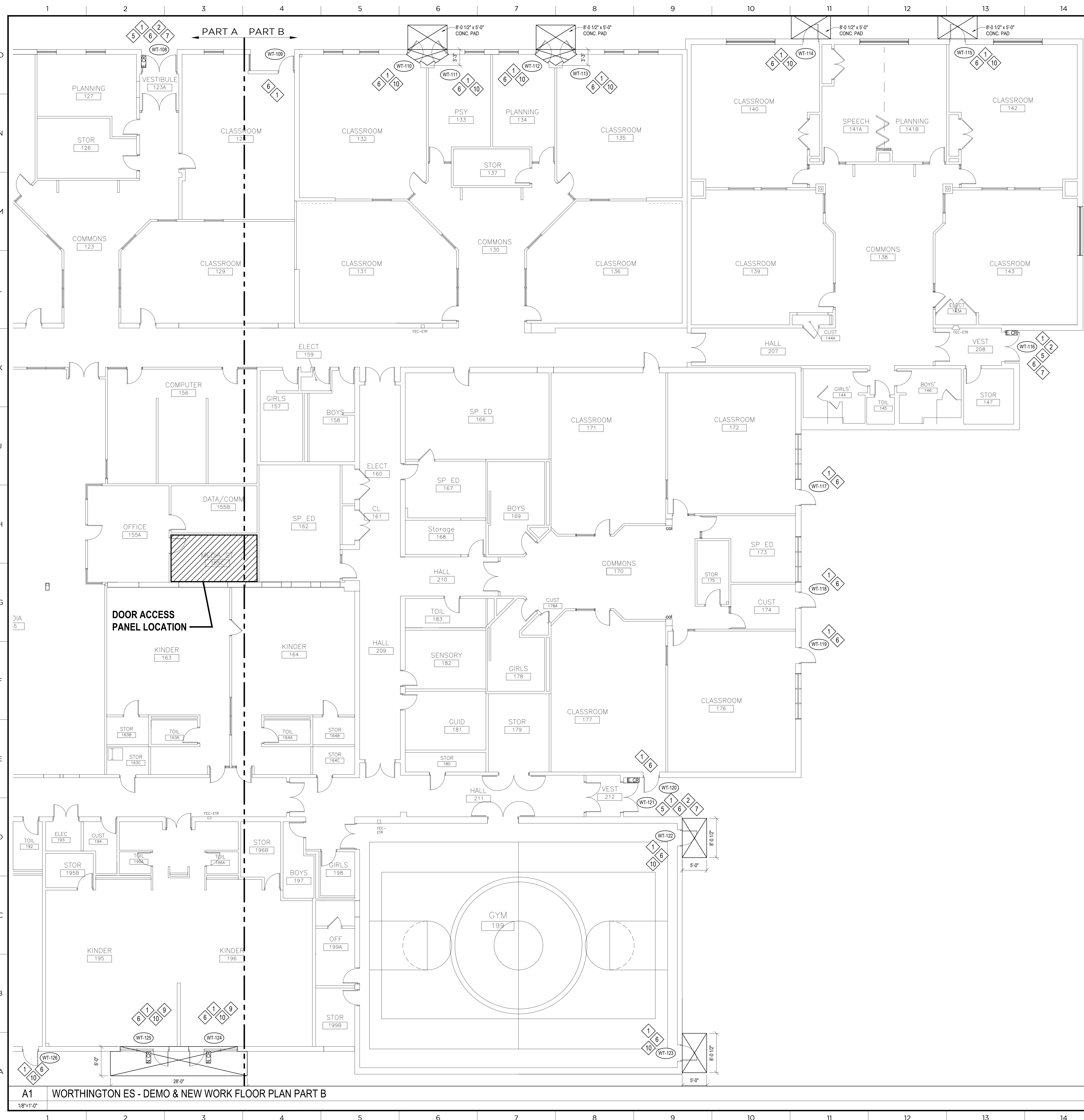
DRAWING TITLE  
**WORTHINGTON ES DEMO & NEW WORK FLOOR PLAN PART A**

DRAWN ZSS PROJECT # 19035.00  
 CHECKED ZSS DRAWING #  
 REVIEWED REM  
 DATE 01/17/2020  
 SCALE AS NOTED

**A1.6**

A1 WORTHINGTON ES - DEMO & NEW WORK FLOOR PLAN PART A  
 1/8"=1'-0"

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS



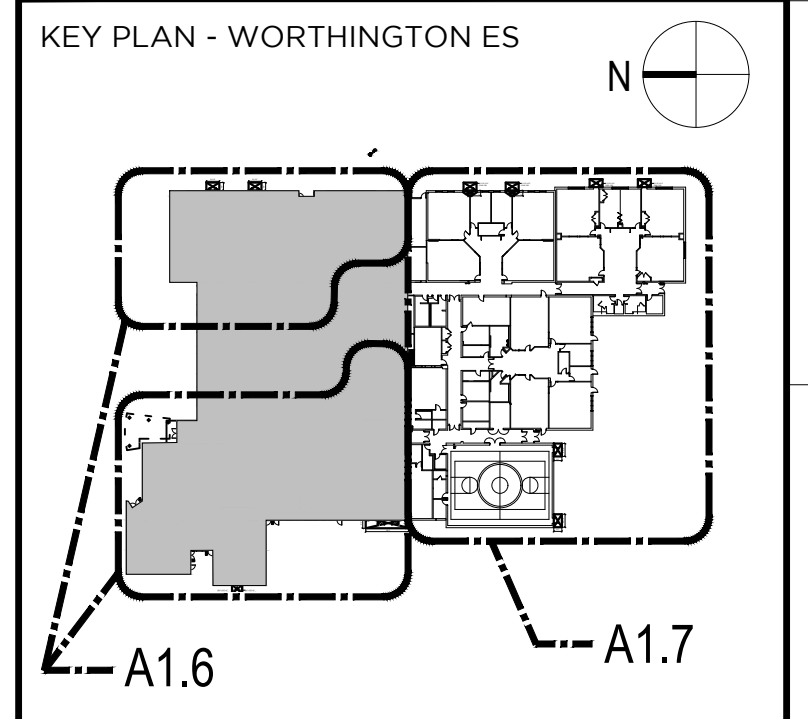
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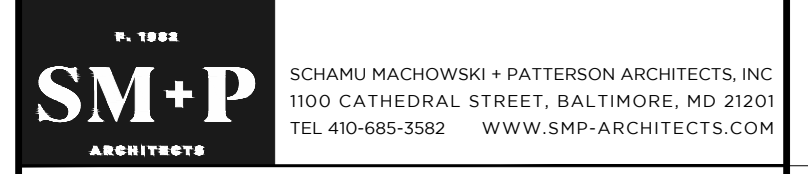
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CONSULTANTS

PROJECT  
HCPSS THREE ELEMENTARY SCHOOLS  
SELECT EXT. DOOR REPLACEMENTS

CERTIFICATION  
SEAL

DRAWING TITLE WORTHINGTON ES DEMO & NEW WORK FLOOR PLAN PART B	
DRAWN ZSS	PROJECT # 19035.00
CHECKED ZSS	DRAWING #
REVIEWED REM	
DATE 01/17/2020	
SCALE AS NOTED	

**A1.7**

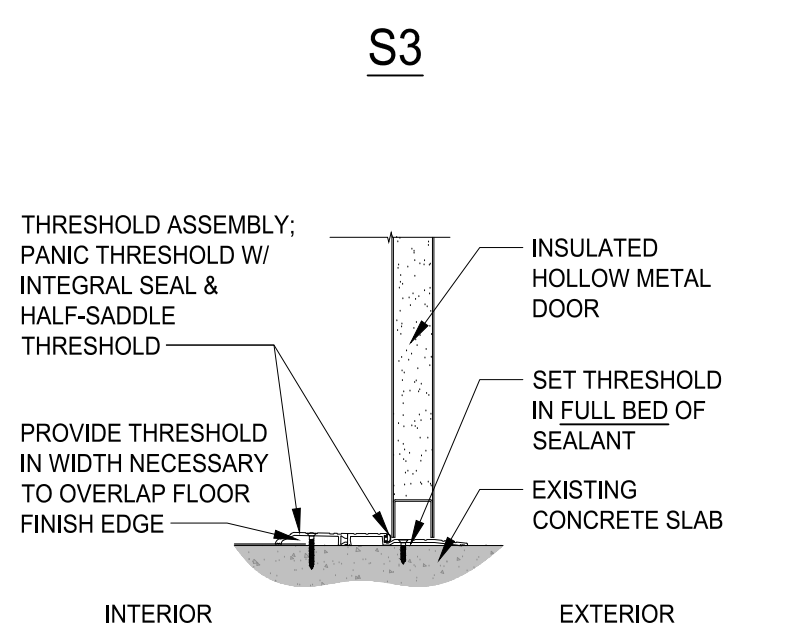
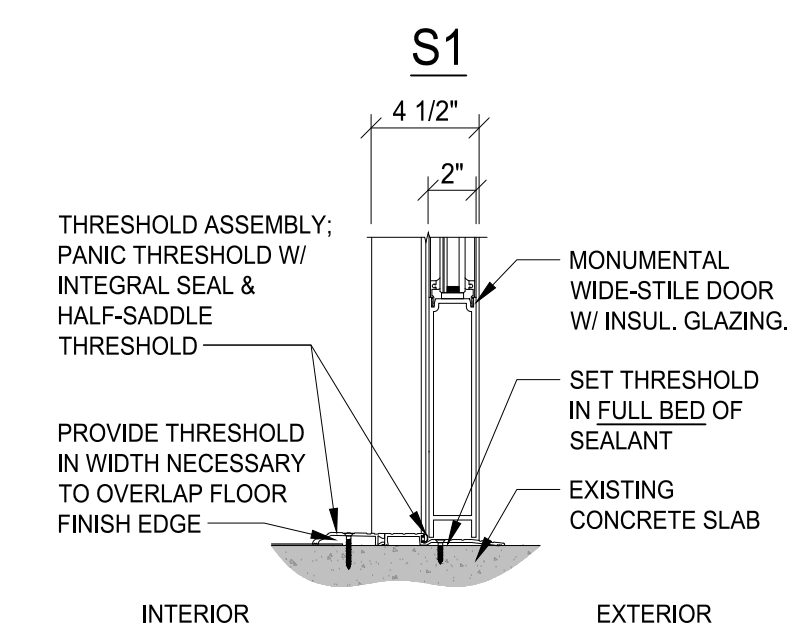
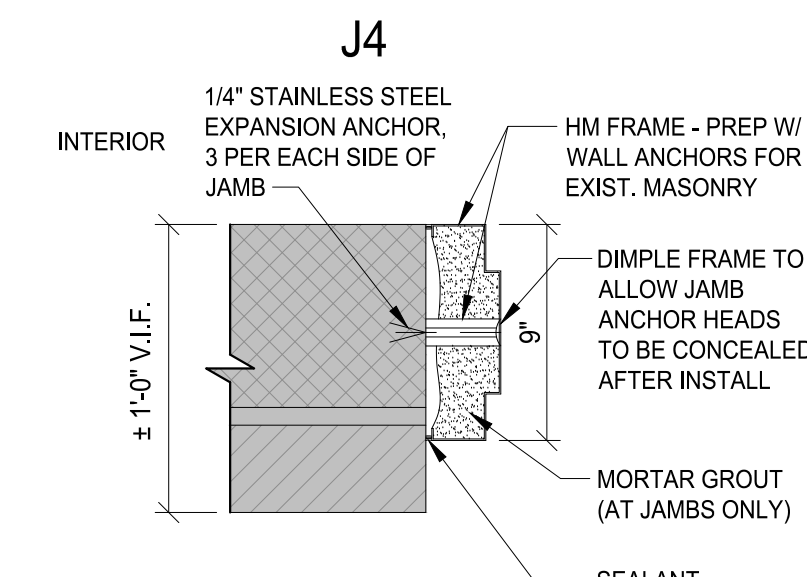
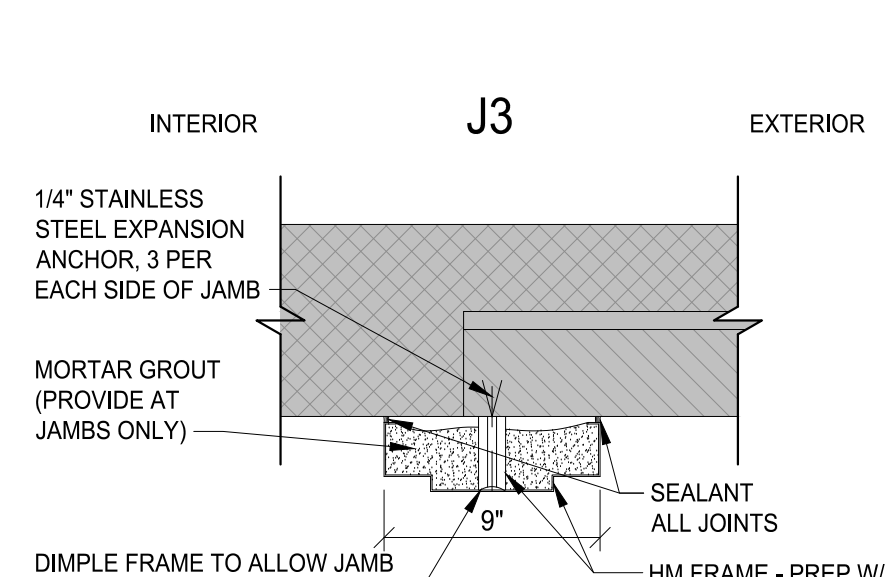
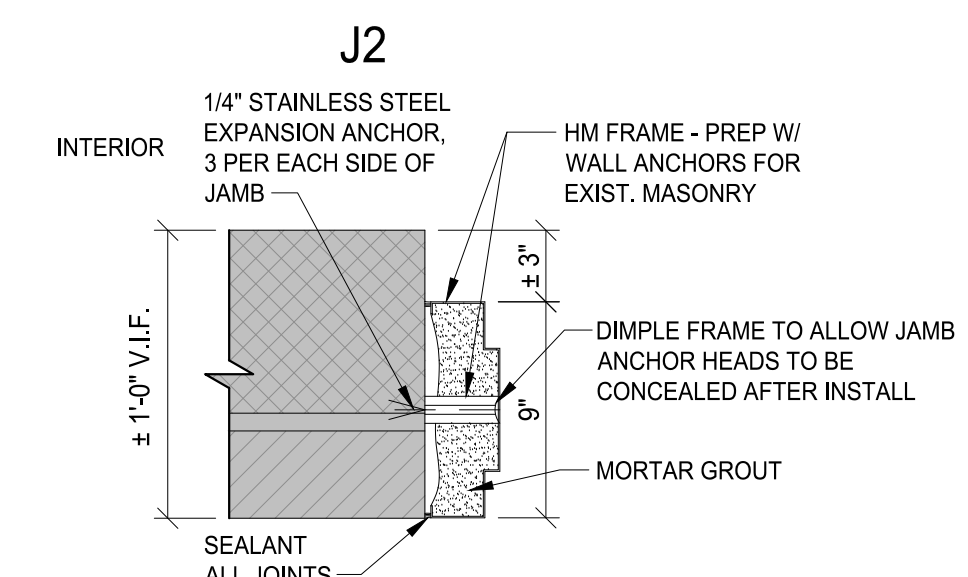
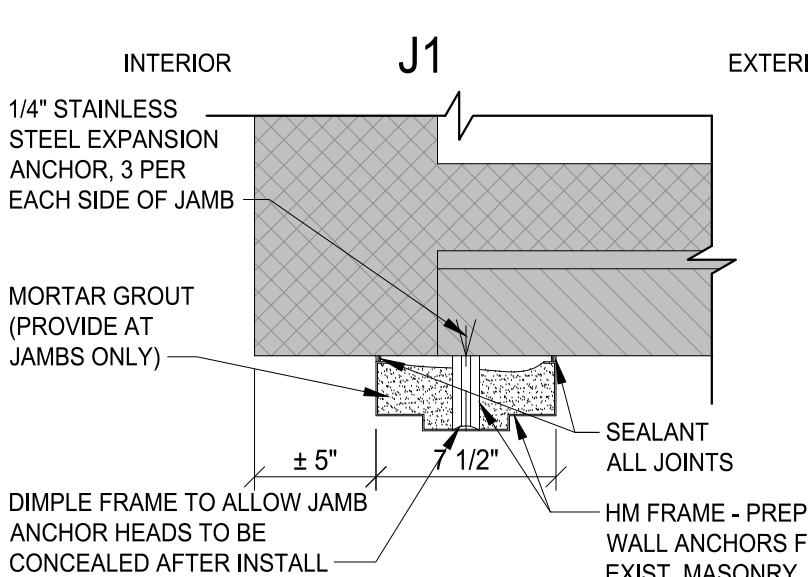
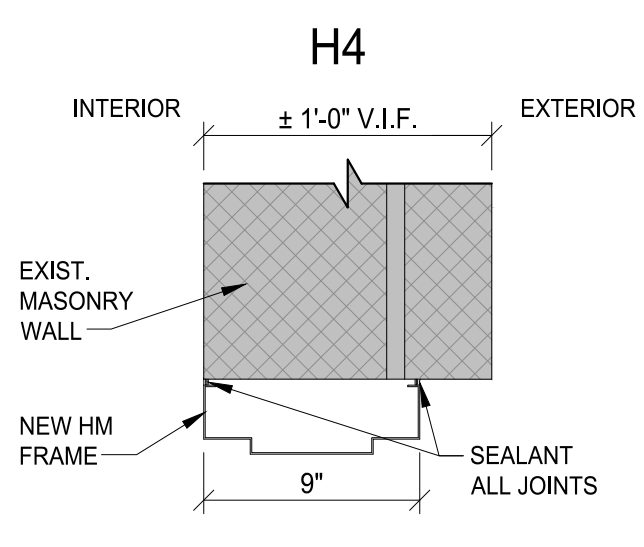
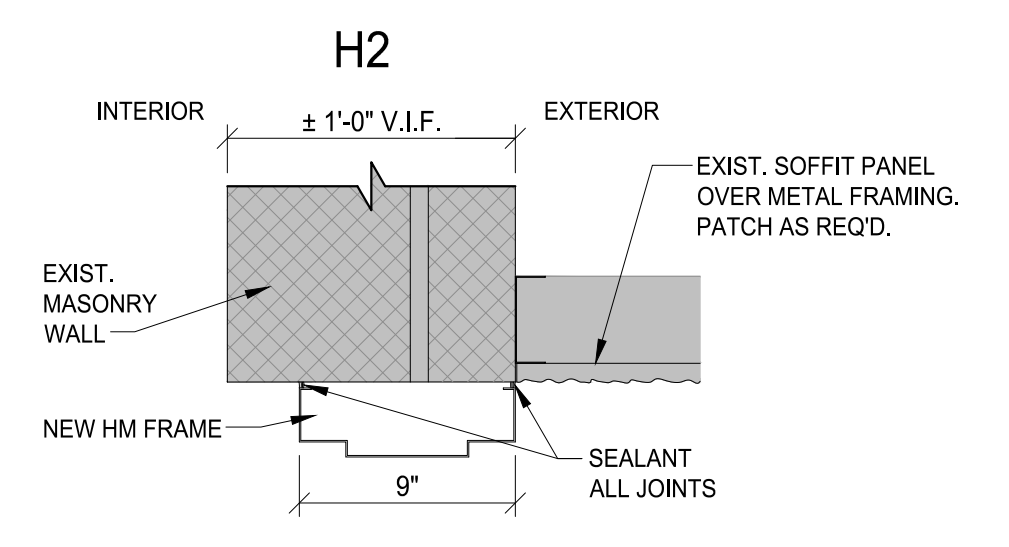
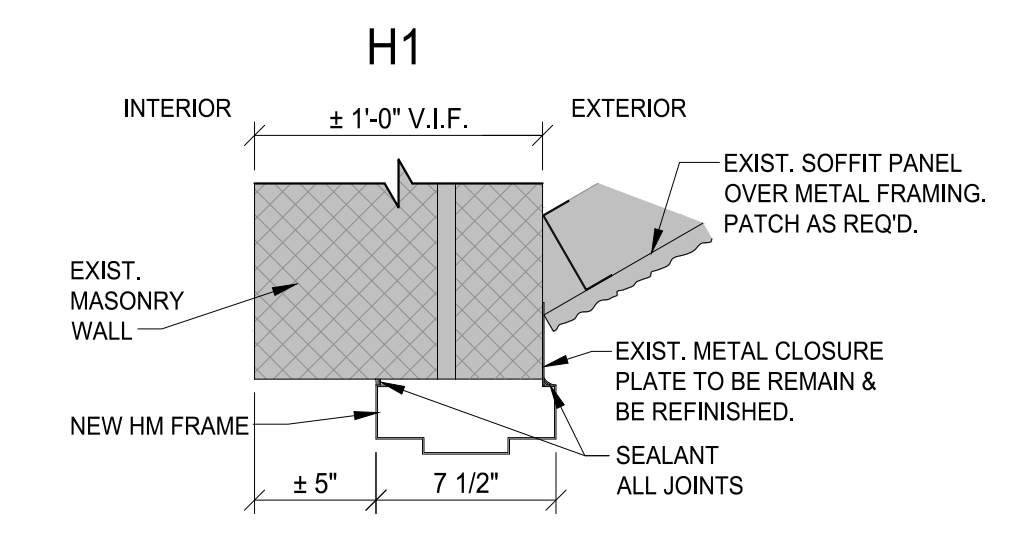
A1 WORTHINGTON ES - DEMO & NEW WORK FLOOR PLAN PART B  
1/8"=1'-0"

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS

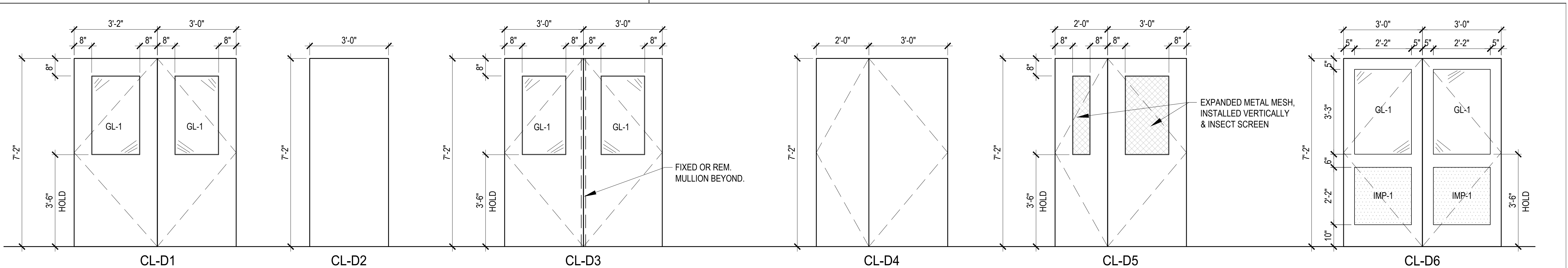
Mark	Type	Door				Frame				Fire Rating	Card Reader	Hardware Set	Notes			
		Size		Material	Glazing	Lower	Detail									
		Width	Height				Type	Material	Head					Jamb	Sill	
CL-101	CL-D1	3'-0" x 3'-2"	7'-2"	1 3/4"	HM	Y	N	CL-F1	HM	H1	J1	S3	-	EX	CL-H1	4, 7, 16
CL-102	CL-D1	3'-0" x 3'-2"	7'-2"	1 3/4"	HM	Y	N	CL-F1	HM	H1	J1	S3	-	EX	CL-H1	4, 7, 16
CL-103	CL-D1	3'-0" x 3'-2"	7'-2"	1 3/4"	HM	Y	N	CL-F1	HM	H1	J1	S3	-	N	CL-H1	7, 16
CL-104	CL-D2	3'-0"	7'-2"	1 3/4"	HM	N	N	CL-F2	HM	H1	J1	S3	-	N	CL-H2	7, 16
CL-105	CL-D2	3'-0"	7'-2"	1 3/4"	HM	N	N	CL-F2	HM	H1	J1	S3	-	N	CL-H2	7, 16
CL-106	CL-D1	3'-0" x 3'-2"	7'-2"	1 3/4"	HM	Y	N	CL-F1	HM	H1	J1	S3	-	N	CL-H1	7, 16
CL-107	CL-D6	(2) 3'-0"	7'-2"	2"	AL	Y	N	EX	EX	-	-	S1	-	N	CL-H3	3, 7
CL-108	CL-D6	(2) 3'-0"	7'-2"	2"	AL	Y	N	EX	EX	-	-	S1	-	N	CL-H3	3, 7
CL-109	CL-D6	(2) 3'-0"	7'-2"	2"	AL	Y	N	EX	EX	-	-	S1	-	N	CL-H4	3, 7
CL-110	CL-D2	3'-0"	7'-2"	1 3/4"	HM	N	N	CL-F2	HM	H2	J2	S3	-	N	CL-H5	8
CL-111A	CL-D4	2'-0" x 3'-0"	7'-2"	1 3/4"	HM	Y	N	CL-F3	HM	H2	J3	S3	-	N	CL-H6	8
CL-111B	CL-D5	2'-0" x 3'-0"	7'-2"	1 3/4"	HM	N	N	FRAME SHARED WITH CL-111A	-	-	-	-	-	N	CL-H10	8
CL-112	CL-D6	(2) 3'-0"	7'-2"	2"	AL	Y	N	EX	EX	-	-	S1	-	N	CL-H7	3, 7
CL-113	CL-D6	(2) 3'-0"	7'-2"	2"	AL	Y	N	EX	EX	-	-	S1	-	N	CL-H8	3, 7
CL-114	CL-D2	(2) 3'-0"	7'-2"	1 3/4"	HM	N	N	CL-F4	HM	H4	J4	S3	-	Y	CL-H9	9, 10
CL-115	CL-D2	3'-0"	7'-2"	1 3/4"	HM	N	N	CL-F2	HM	H1	J1	S3	-	N	CL-H2	7, 16

**GENERAL DOOR & FRAME NOTES:**  
 - VERIFY ALL EXISTING FRAME OPENING SIZES. REPORT ANY DISCREPANCIES TO ARCHITECT IMMEDIATELY.  
 - CAREFULLY REMOVE AND PROVIDE NEW DOORS AND FRAMES TO LIMIT DISTURBANCES TO ADJACENT FINISHES. CONTRACTOR SHALL TOUCH-UP, PATCH, REPAIR, REFINISH, OR REPLACE ALL ADJACENT FLOOR, WALL, AND CEILING FINISHES DISTURBED DURING CONSTRUCTION TO RESTORE ALL OPENINGS USING MATCHING MATERIALS TO CLEAN, SOUND, AND NEAT APPEARANCE THAT IS INDISTINGUISHABLE FROM ADJACENT UNDISTURBED SURFACES WHETHER MATERIALS ARE SPECIFICALLY CALLED OUT OR SPECIFIED OR NOT.  
 - HM = HOLLOW METAL  
 - AL = ALUMINUM  
 - Y = YES / NEW CARD READER  
 - N = NO  
 - EX = EXISTING TO REMAIN

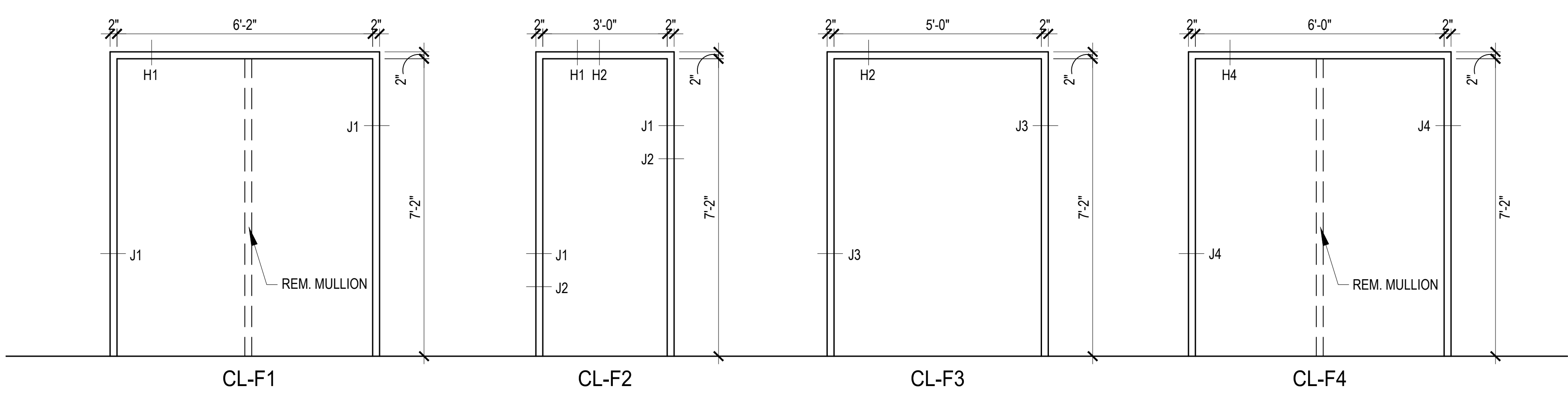
- SPECIFIC DOOR & FRAME NOTES:**
- PROVIDE 180 DEGREE HINGES ON ALL LEAVES.
  - PROVIDE 135 DEGREE HINGES ON ALL LEAVES.
  - NEW DOOR INSTALLED INTO EXISTING ALUMINUM STOREFRONT FRAME. REUSE EXISTING HARDWARE MOUNTING LOCATIONS OR PATCH/REPAIR EXISTING FRAMING AS REQUIRED TO REMOVE ALL EVIDENCE OF PREVIOUS HARDWARE INSTALLATIONS AFTER INSTALLATION OF NEW HARDWARE.
  - EXISTING CARD READER TO REMAIN. COIL UP EXISTING CARD READER WIRING AND TERMINATE SAFELY ABOVE THE CEILING FOR WORK BY OTHERS. PROTECT CARD READER FOR DURATION OF DEMOLITION AND CONSTRUCTION DEBRIS AS REQUIRED.
  - EXISTING DOOR OPERATOR TO REMAIN. DISCONNECT AND STORE OPERATOR WIRING FOR DURATION OF DEMOLITION. PROTECT OPERATOR AS REQUIRED DURING DEMOLITION. RECONNECT OPERATOR TO NEW DOOR & PROVIDE ANY NECESSARY WIRING ACCESSORIES TO BE COMPATIBLE WITH NEW DOOR AND HARDWARE.
  - G.C. COORDINATE AND INCREASE DOOR UNDERCUT TO ACCOMMODATE SLOPED THRESHOLD.
  - CAREFULLY REMOVE EXISTING DOOR AND/OR FRAME FROM OPENING ADJACENT TO EXISTING FLOOR TILE. PROTECT TILE DURING DEMOLITION AND CONSTRUCTION. PROVIDE NEW MATCHING TILE AS REQUIRED TO REPLACE TILE DISTURBED OR DAMAGED DURING CONSTRUCTION. IF MATCHING TILE IS NOT AVAILABLE, PROVIDE (2) ROWS OF NEW TILE IN AN ALTERNATE COLOR AS SELECTED FROM THE ARCHITECT FROM THE MANUFACTURER'S FULL STANDARD RANGE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - CAREFULLY REMOVE EXISTING DOOR AND FRAME FROM OPENING ADJACENT TO EXISTING QUARRY TILE. PROTECT TILE DURING DEMOLITION AND CONSTRUCTION. PROVIDE NEW TILE AS REQUIRED TO REPLACE TILE DISTURBED OR DAMAGED DURING CONSTRUCTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - CAREFULLY REMOVE EXISTING DOOR AND FRAME FROM OPENING ADJACENT TO WOOD FLOOR. PROTECT WOOD FLOOR DURING DEMOLITION AND CONSTRUCTION. PROVIDE NEW FLOORING AS REQUIRED TO REPLACE PORTIONS DISTURBED OR DAMAGED DURING CONSTRUCTION THAT IS INDISTINGUISHABLE FROM ADJACENT EXISTING PORTIONS.
  - PROVIDE NEW ELECTRIC HARDWARE FOR NEW CARD READER INSTALLATION.
  - EXISTING DOOR AND FRAME TO REMAIN. DEMOLISH EXISTING MAG LOCKS. PROVIDE NEW HARDWARE PER HARDWARE SCHEDULE.
  - REMOVE AND SALVAGE EXISTING EQUIPMENT AIR CURTAIN UNIT, LOUDSPEAKER, AND MOTION SENSOR; ON INTERIOR FACE OF TRANSOM PANEL. REPAIR AS NECESSARY, AND REMOUNT EQUIPMENT ON NEW TRANSOM PANEL AFTER NEW FRAME INSTALLATION.
  - CAREFULLY REMOVE AND TURN OVER TO OWNER STUDENT ARTWORK IN TRANSOM PANEL ABOVE DOOR PRIOR TO START OF DEMO. COORDINATE WITH OWNER REGARDING REINSTALLATION AFTER CONSTRUCTION.
  - PROTECT OR REMOVE ACT CEILING AT HEAD AND JAMBS WHERE PRESENT. SEE PLAN NOTES FOR ADDITIONAL INFORMATION.
  - PROTECT EXIT SIGNAGE AT HEAD OF DOOR DURING CONSTRUCTION.
  - PROTECT EXISTING STUCCO BULKHEAD AT HEAD WHERE PRESENT. MODIFY, PATCH, REPAIR, AND FINISH STUCCO AS INDICATED IN FRAME DETAILS OR AS REQUIRED TO RESTORE DISTURBED MATERIAL TO PRE-CONSTRUCTION CONDITIONS.
  - CLEAN, PATCH, AND REPAIR EXISTING FRAME AS REQUIRED TO PREPARE FOR NEW FINISH. PREPARE AND PAINT ENTIRE HOLLOW METAL FRAME PRIOR TO INSTALLATION OF NEW DOOR PER GENERAL NOTES.



**L7 CENTENNIAL LANE ES - FRAME DETAILS**  
 1/12"=1'-0"



**D1 CENTENNIAL LANE ES - DOOR TYPES**  
 1/2"=1'-0"



**A1 CENTENNIAL LANE ES - FRAME TYPES**  
 1/2"=1'-0"

NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH E1)

NO	REVISION / SUBMISSION	DATE
	95% CD SUBMISSION	11/27/2019
	100% CD SUBMISSION	01/17/2020

**SM+P ARCHITECTS**  
 CONSULTANTS  
 SCHAMU MACHOWSKI + PATTERSON ARCHITECTS, INC.  
 1100 CATHEDRAL STREET, BALTIMORE, MD 21201  
 TEL: 410-695-5062 WWW.SMP-ARCHITECTS.COM

PROJECT  
 HCPSS THREE ELEMENTARY SCHOOLS  
 SELECT EXT. DOOR REPLACEMENTS

CERTIFICATION  
 SEAL

DRAWING TITLE  
 CENTENNIAL LANE ES  
 DOOR SCHEDULE, TYPES, & DETAILS

DRAWN: ZSS PROJECT # 19035.00  
 CHECKED: ZSS DRAWING #  
 REVIEWED: REM  
 DATE: 01/17/2020  
 SCALE: AS NOTED

**A2.1**

HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS

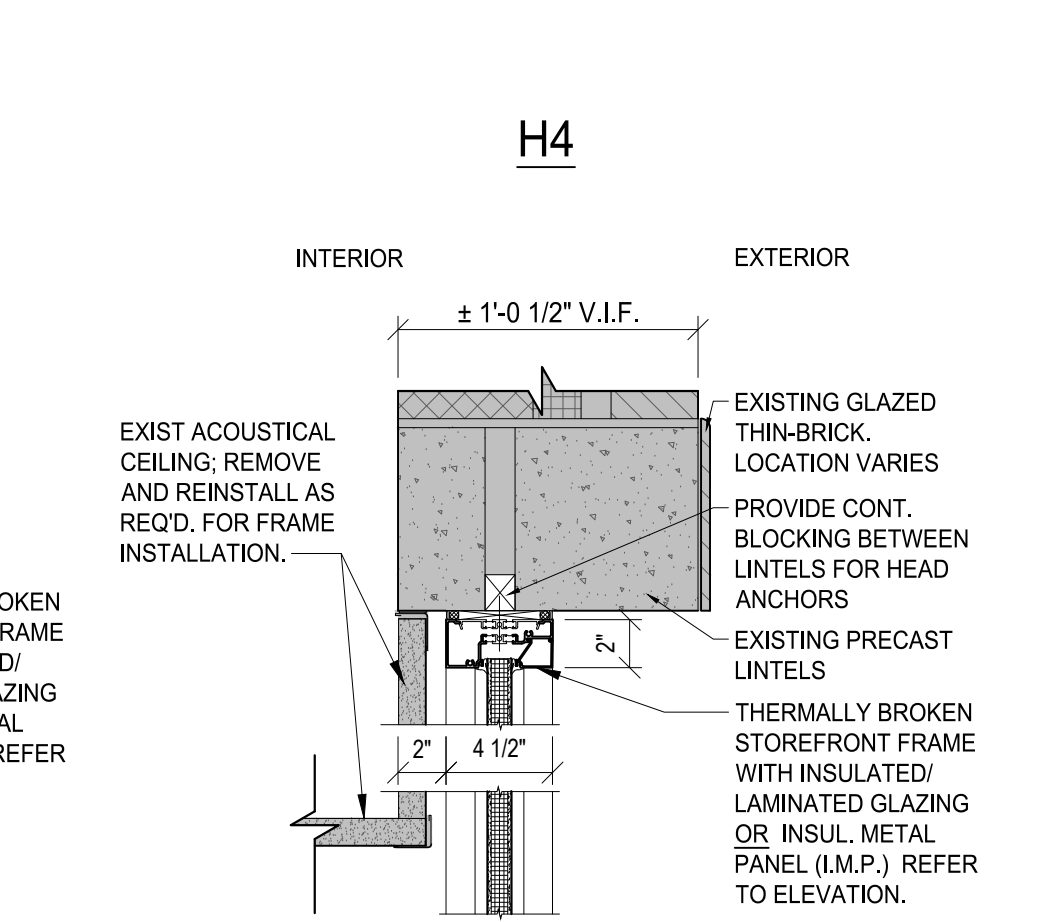
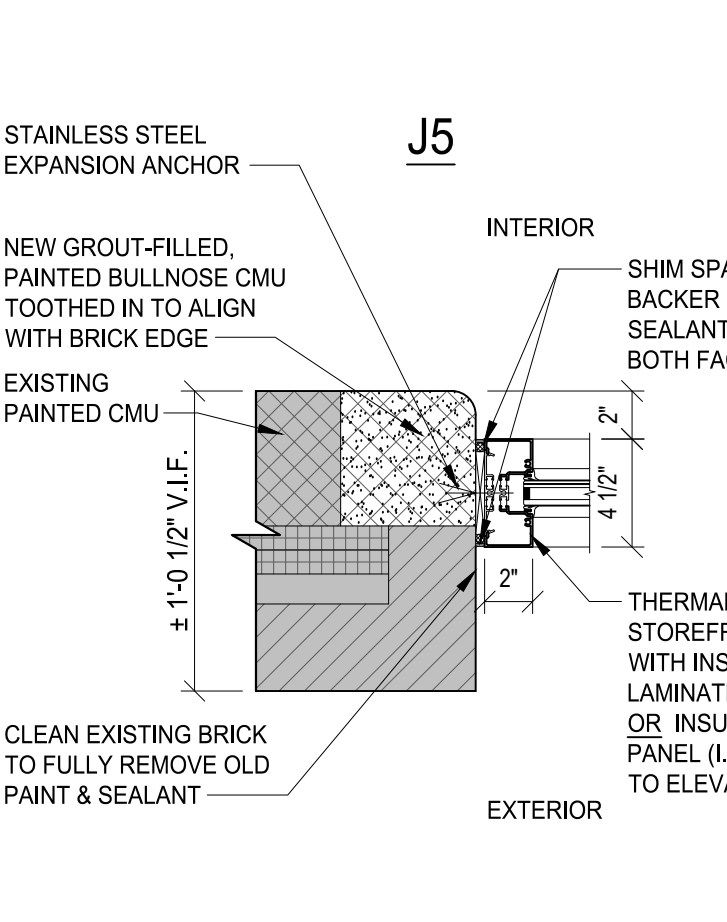
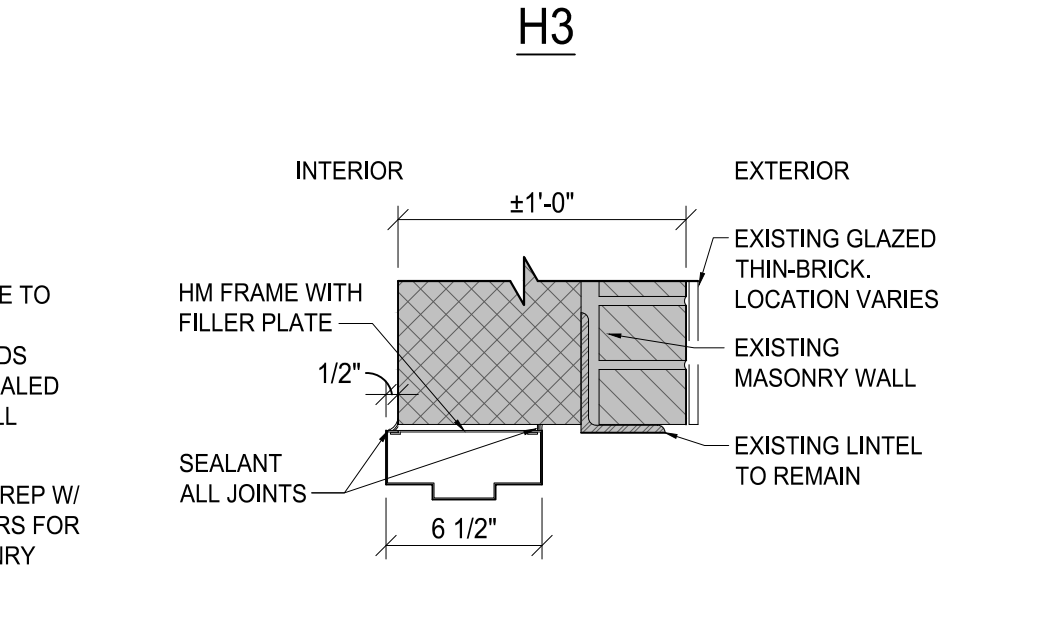
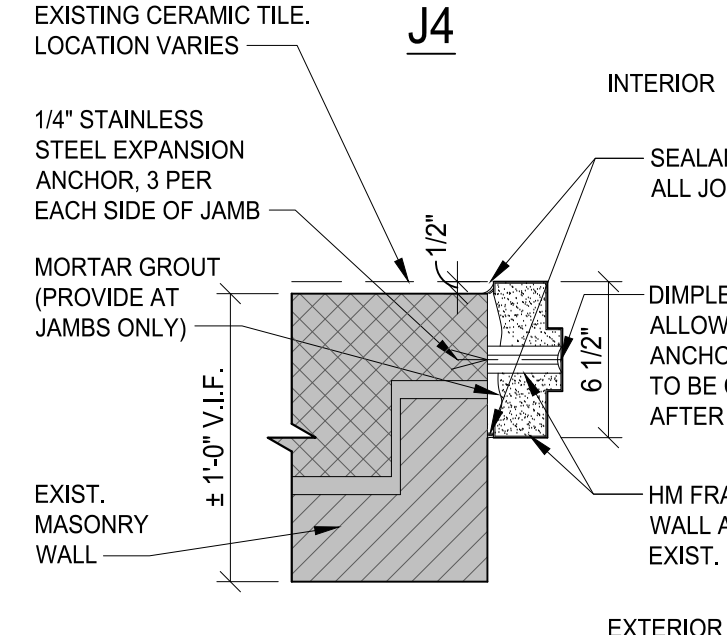
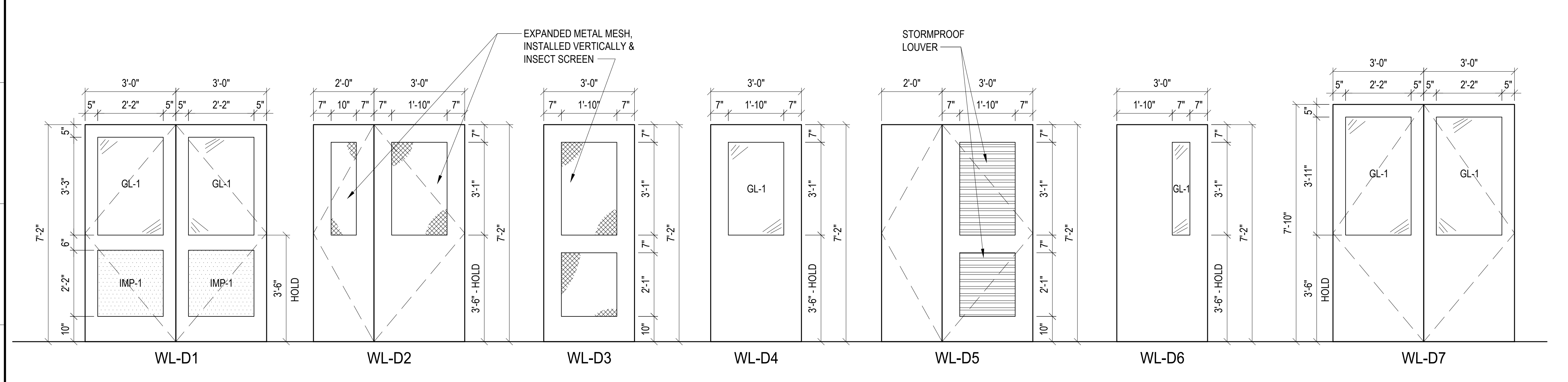
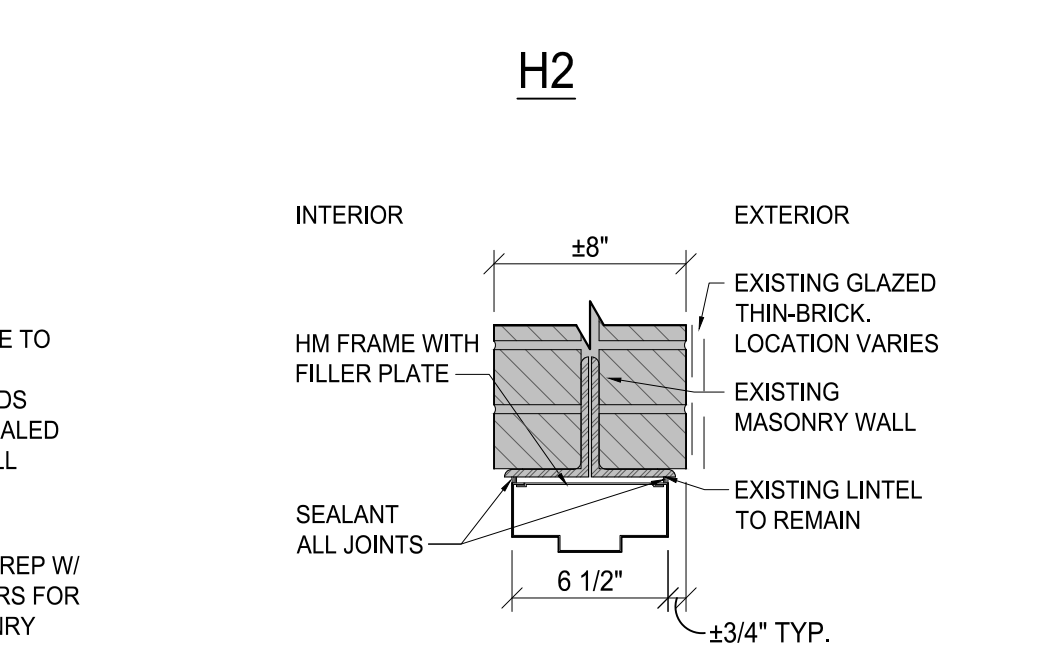
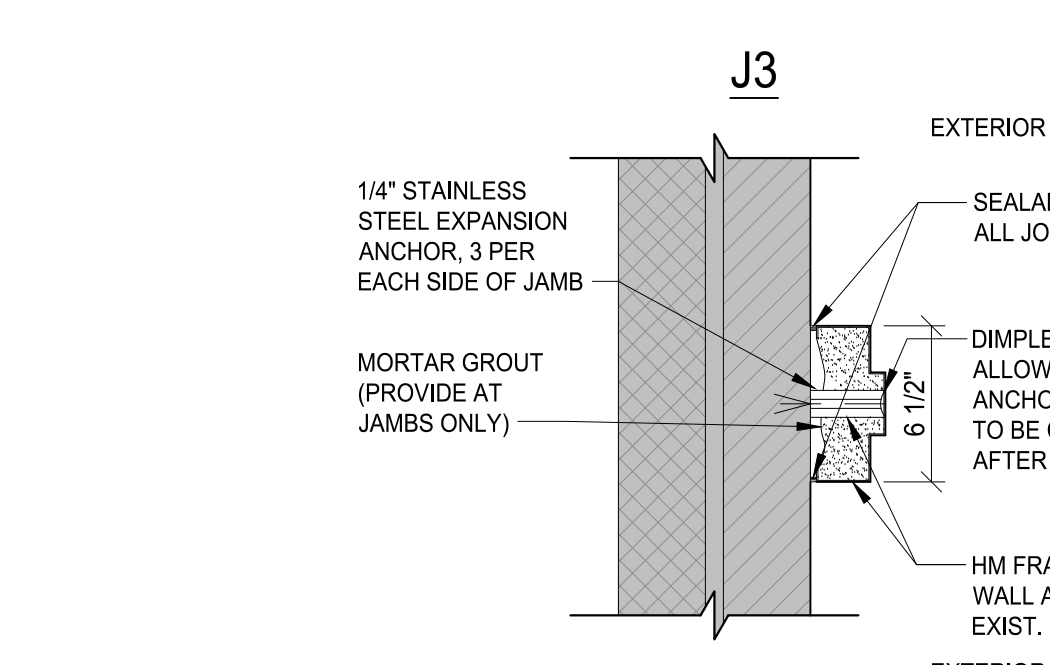
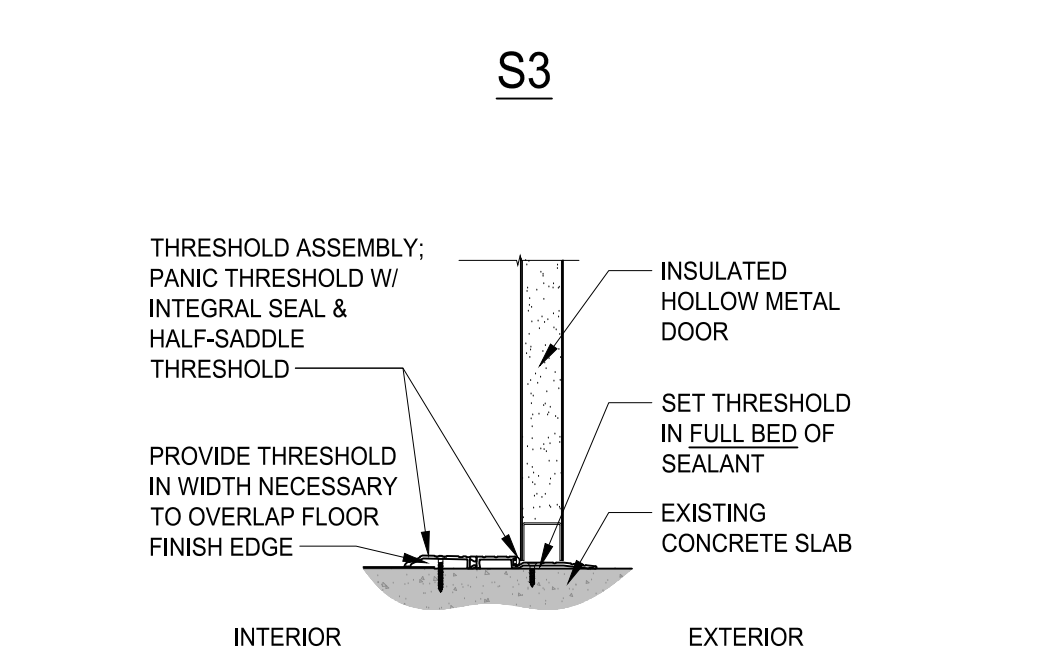
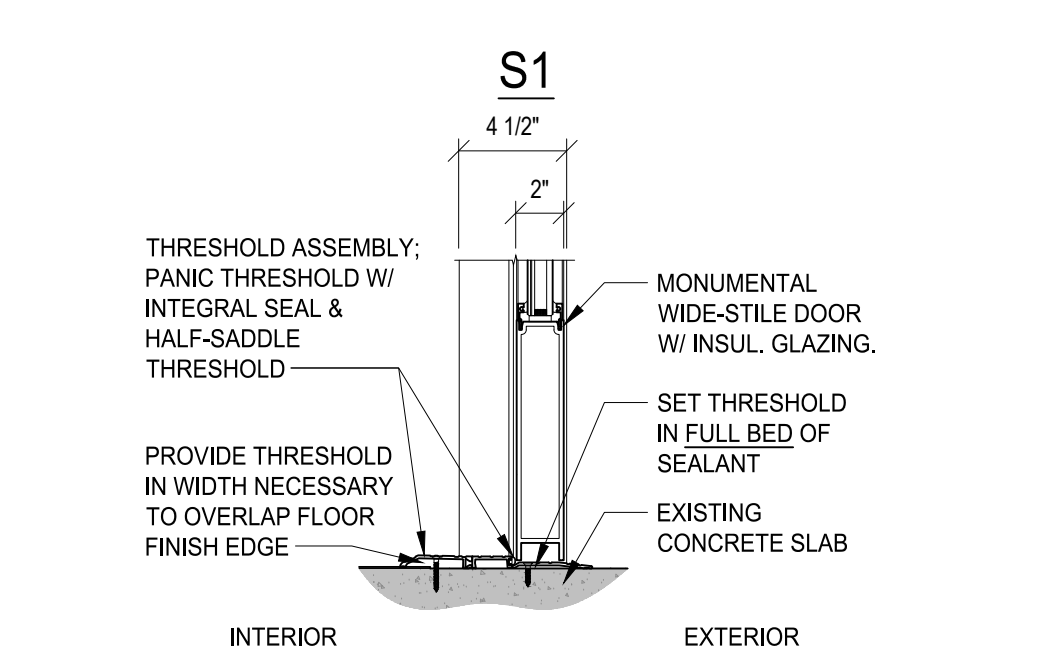
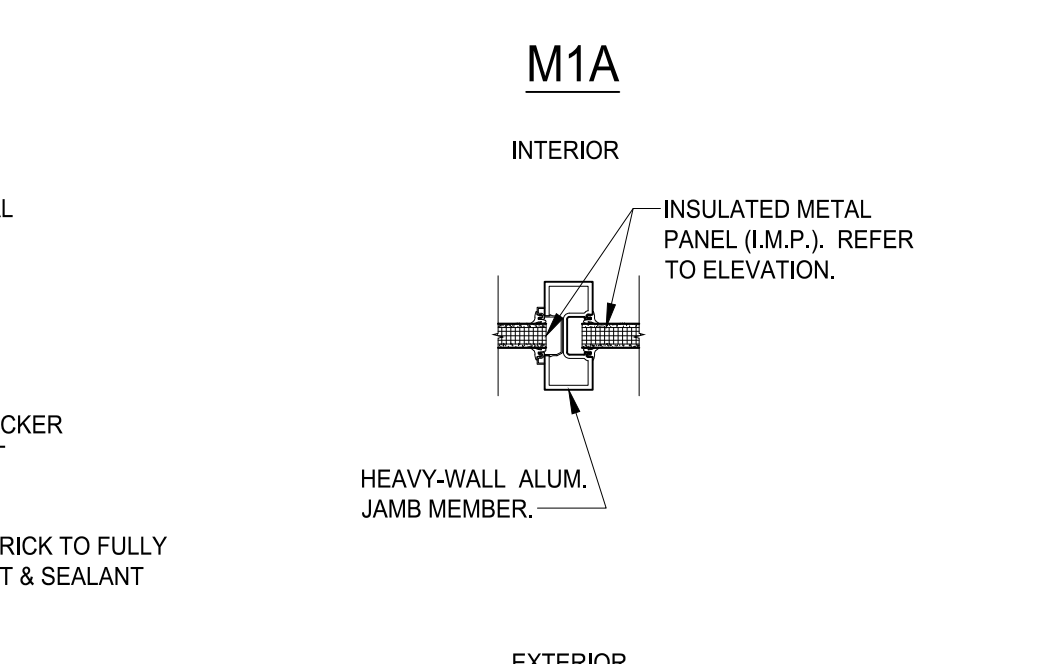
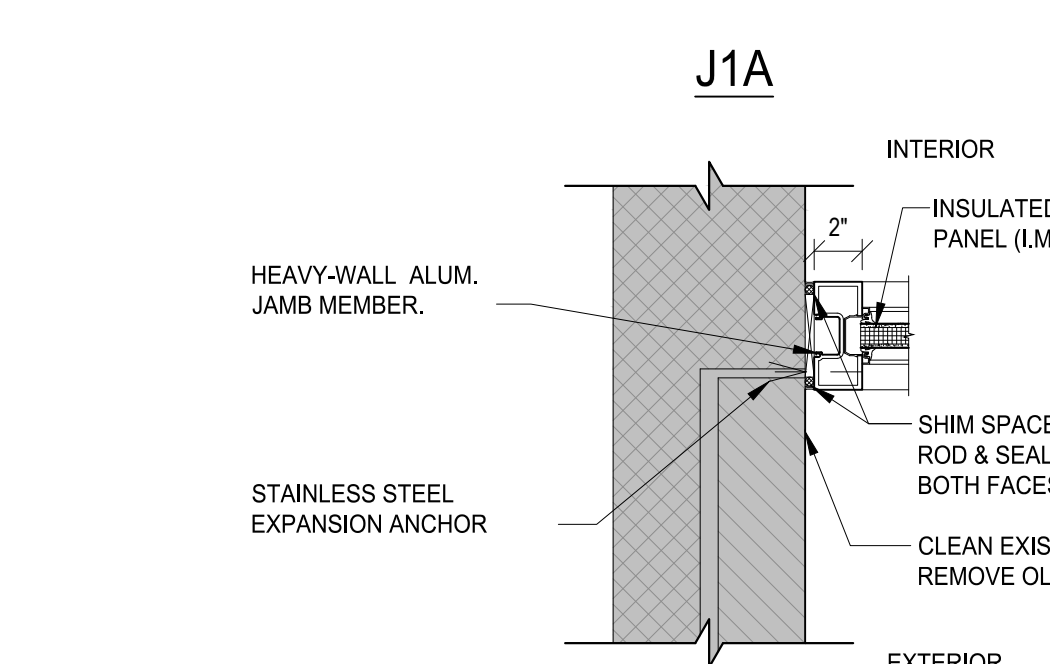
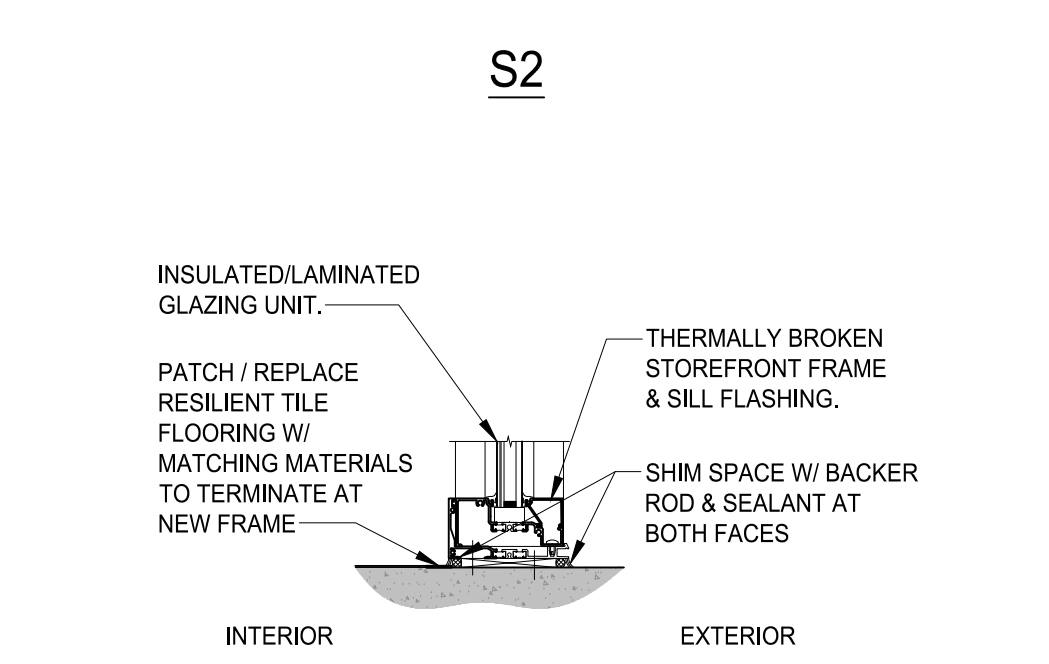
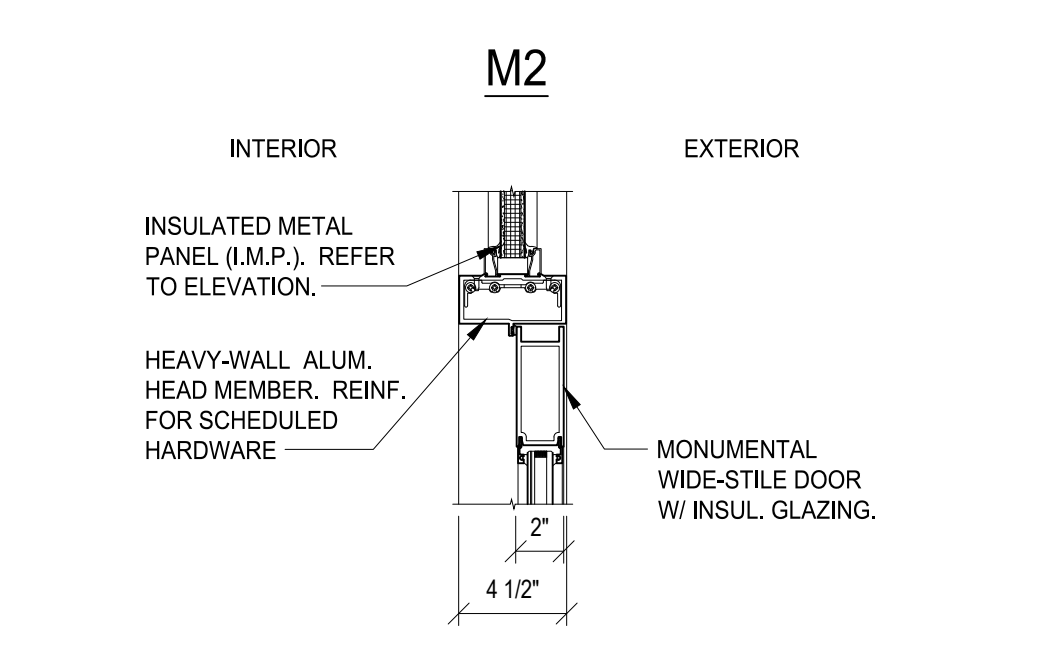
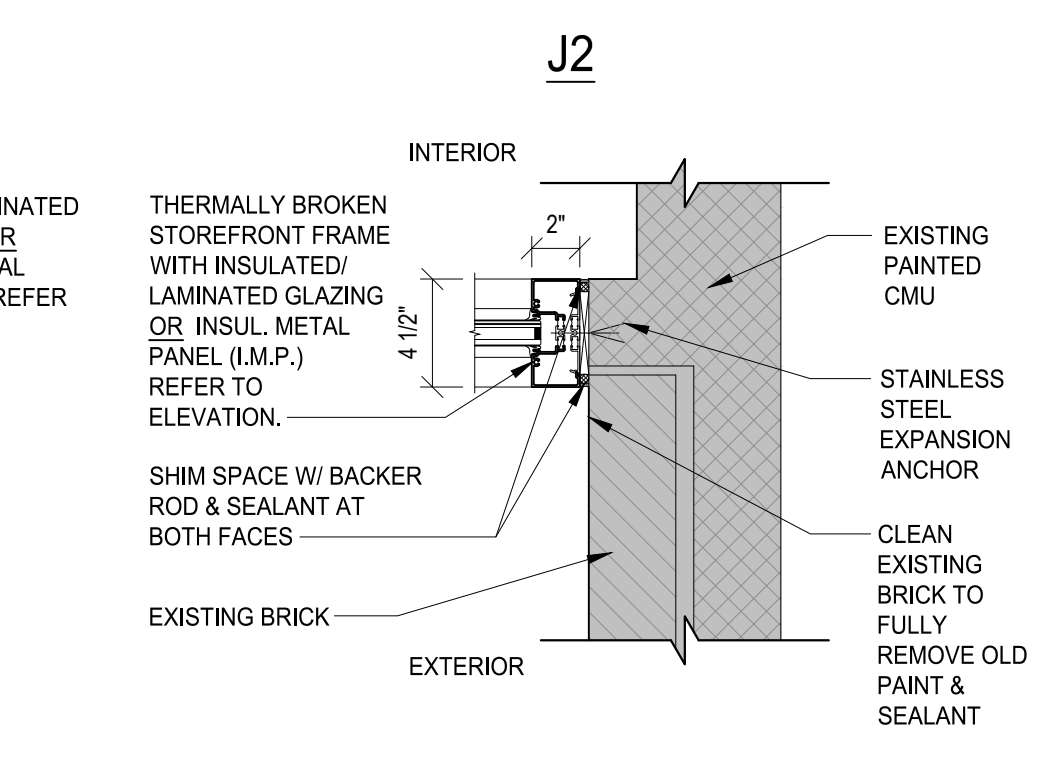
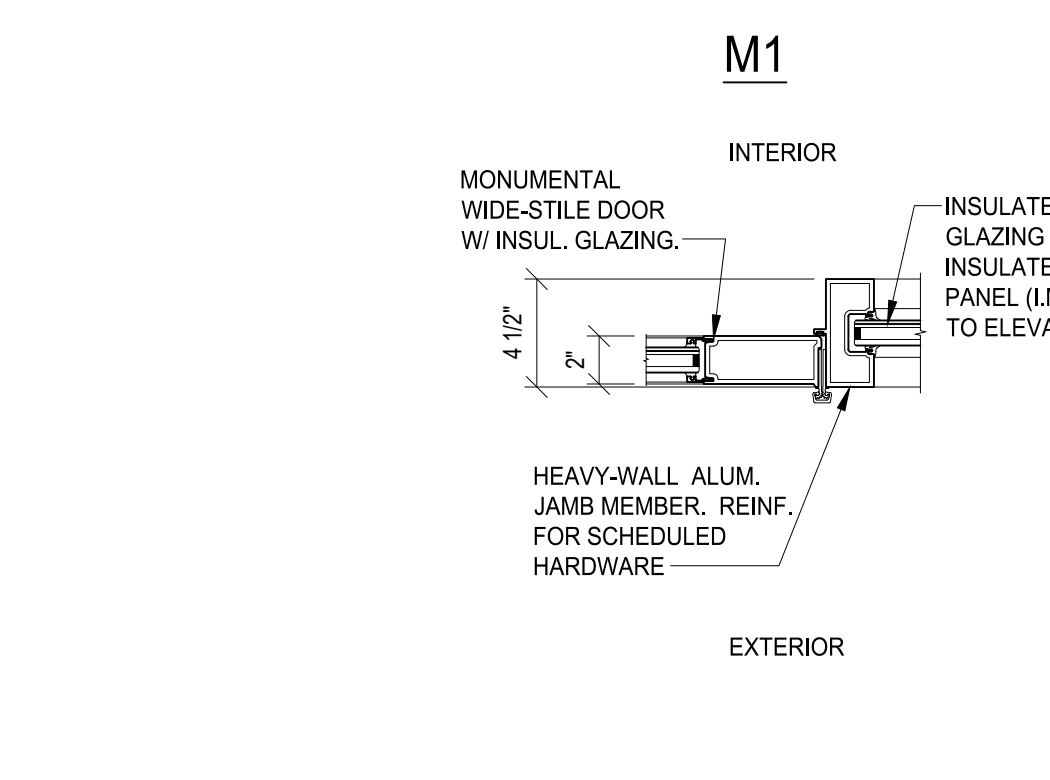
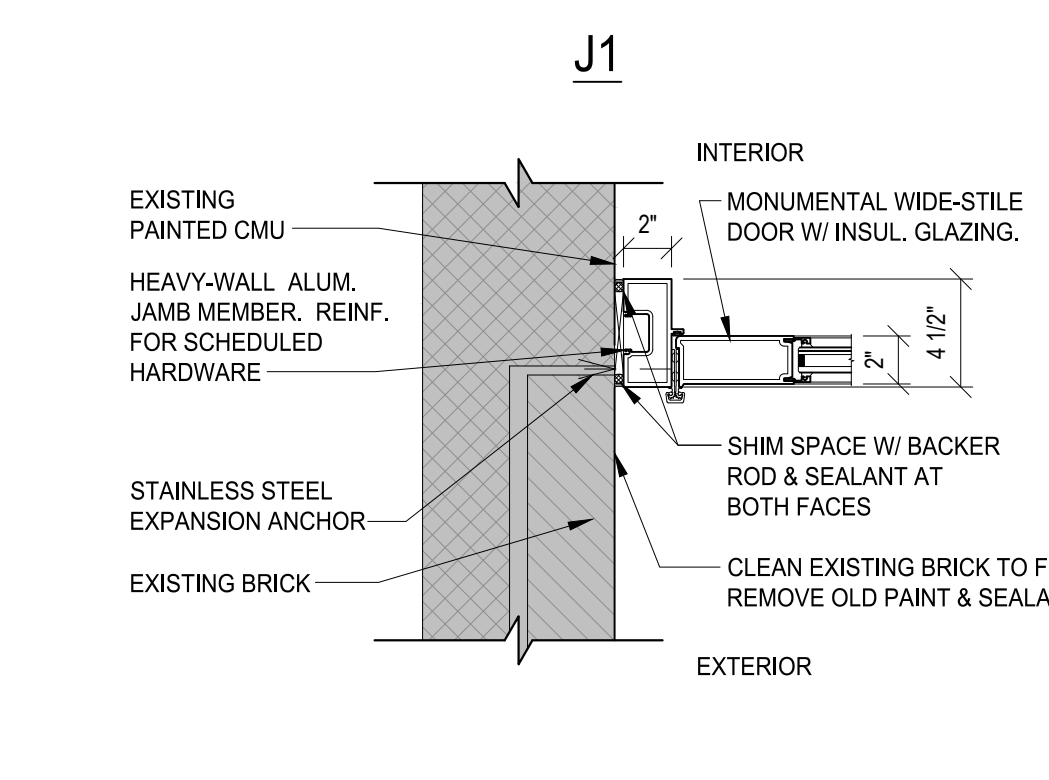
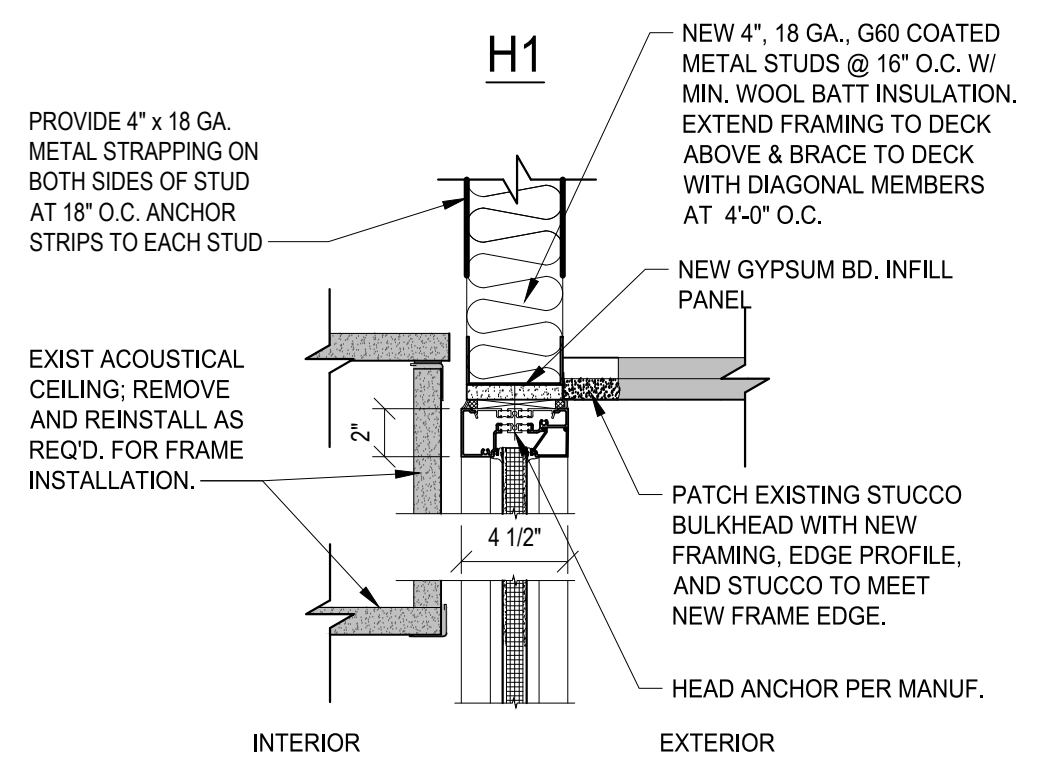
WATERLOO ES DOOR AND FRAME SCHEDULE																
Mark	Type	Door			Frame				Fire Rating	Card Reader	Hardware Set	Notes				
		Width	Height	Thickness	Type	Material	Head	Jamb					Sill			
WL-101	WL-D1	(2) 3'-0"	7'-2"	2"	AL	Y	N	WL-F1	AL	H1	J1/J2	S1/S2	-	EX	WL-H1	4, 7, 13, 14, 16
WL-102	WL-D2	2'-0" DL 3'-0" LL	7'-2"	1 3/4"	HM	Y	N	WL-F2	HM	H2	J3	S3	-	N	WL-H2	7
WL-103A	WL-D3	3'-0"	7'-2"	1 3/4"	HM	Y	N	WL-F2	HM	H2	J4	S3	-	Y	WL-H3	8, 10
WL-103B	WL-D4	3'-0"	7'-2"	1 3/4"	HM	Y	N	-	-	-	-	S3	-	-	WL-H4	8
WL-104	WL-D5	2'-0" DL 3'-0" LL	7'-2"	1 3/4"	HM	N	Y	WL-F2	HM	H3	J4	S3	-	N	WL-H5	7
WL-105	WL-D5	2'-0" DL 3'-0" LL	7'-2"	1 3/4"	HM	N	Y	WL-F2	HM	H3	J4	S3	-	N	WL-H5	7
WL-106	WL-D1	(2) 3'-0"	7'-2"	2"	AL	Y	N	WL-F3	AL	H1	J1A	S1/S2	-	EX	WL-H1	4, 7, 13, 14, 16
WL-107	WL-D1	(2) 3'-0"	7'-2"	2"	AL	Y	N	WL-F4	AL	H4	J5	S1/S2	-	EX	WL-H1	4, 7, 13, 14
WL-108	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	N	WL-H6	7, 17
WL-109	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	Y	WL-H7	7, 10, 17
WL-110	EX	EX	EX	EX	EX	EX	EX	EX	EX	-	-	-	-	Y	WL-H8	10, 17
WL-111	WL-D7	(2) 3'-0"	7'-10"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	EX	WL-H11	4, 7, 17
WL-112	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	N	WL-H6	7, 17
WL-113	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	N	WL-H6	7, 17
WL-114	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	N	WL-H6	7, 17
WL-115	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	N	WL-H6	7, 17
WL-116	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	N	WL-H6	7, 17
WL-117	EX	EX	EX	EX	EX	EX	EX	EX	EX	-	-	-	-	EX	WL-H8	4, 11, 17
WL-118	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	Y	WL-10	7, 10, 17
WL-119	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	EX	WL-10	7, 10, 17
WL-120	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	EX	WL-10	4, 7, 17
WL-121	WL-D6	3'-0"	7'-2"	1 3/4"	HM	Y	N	EX	EX	-	-	S3	-	Y	WL-10	7, 10, 17
WL-122	WL-D1	(2) 3'-0"	7'-2"	2"	AL	Y	N	WL-F1	AL	H1	J1/J2	S1/S2	-	EX	WL-H1	4, 7, 13, 14, 16, 17

**GENERAL DOOR & FRAME NOTES:**

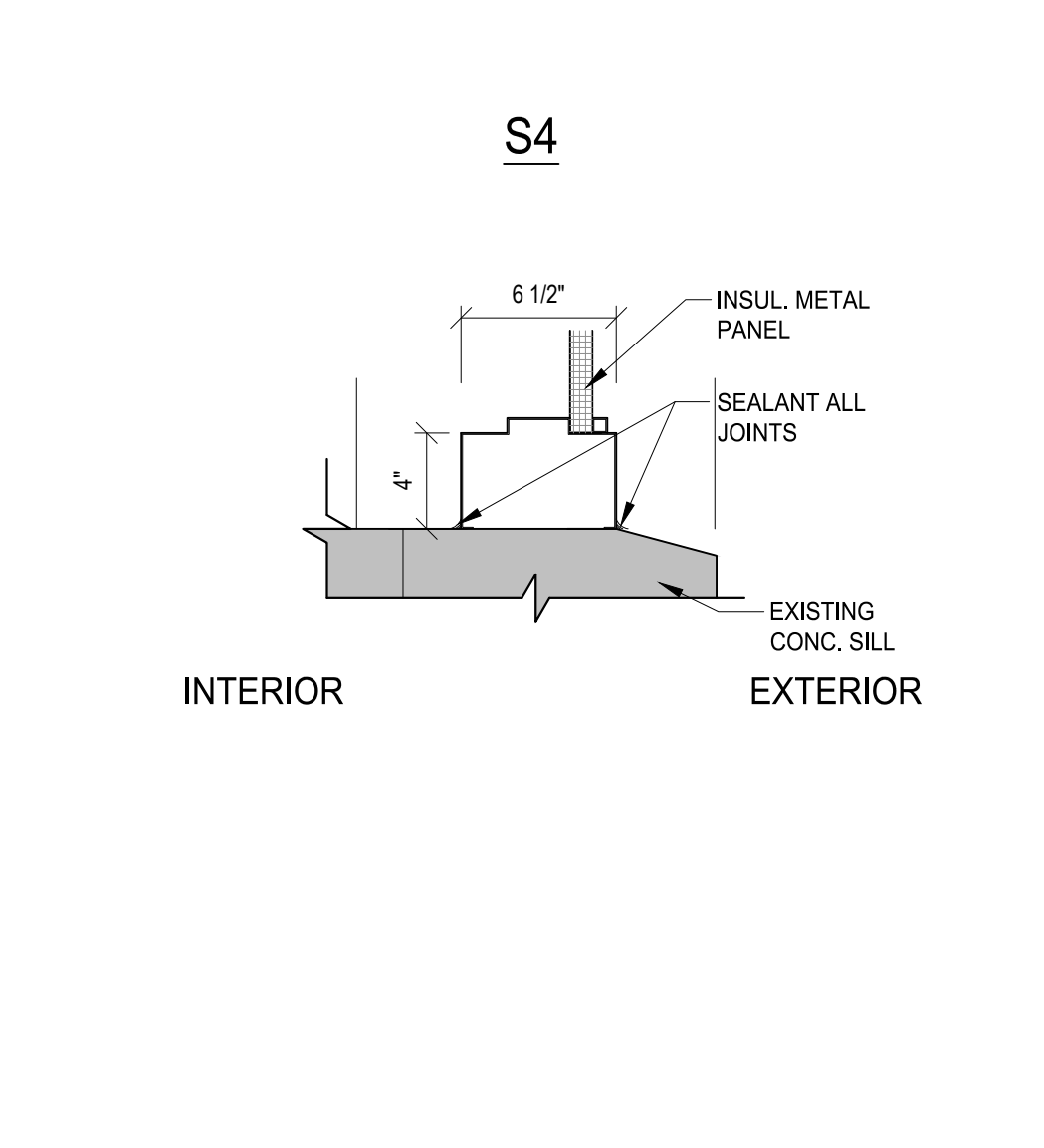
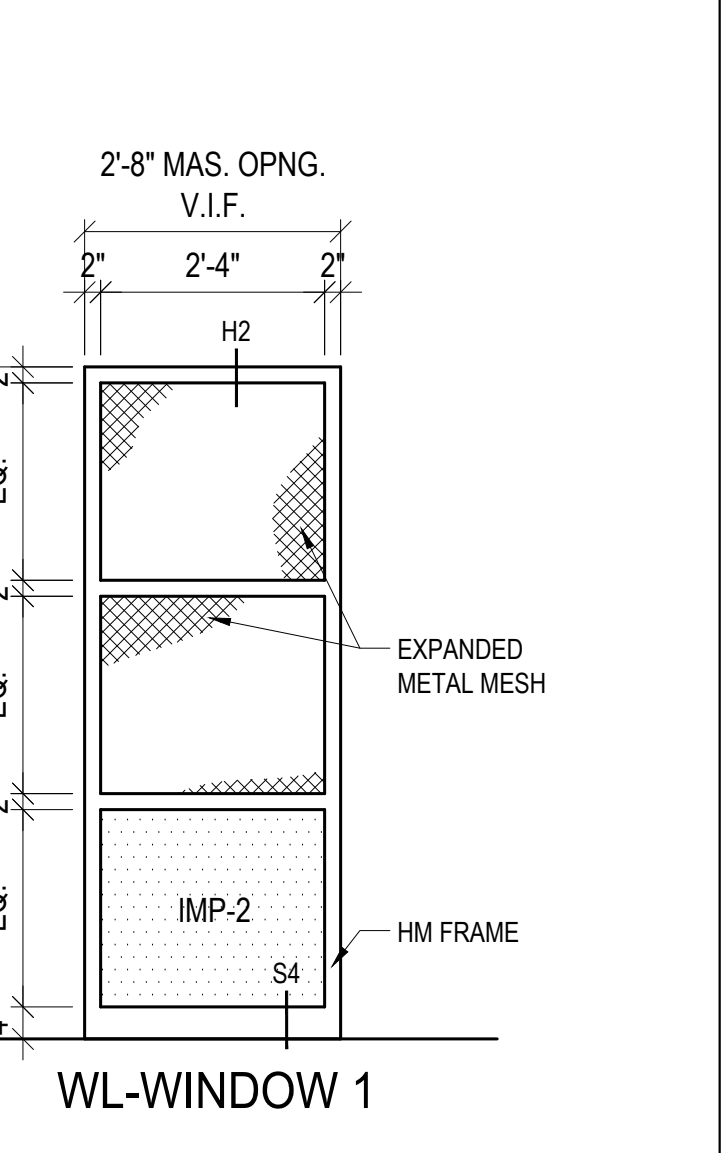
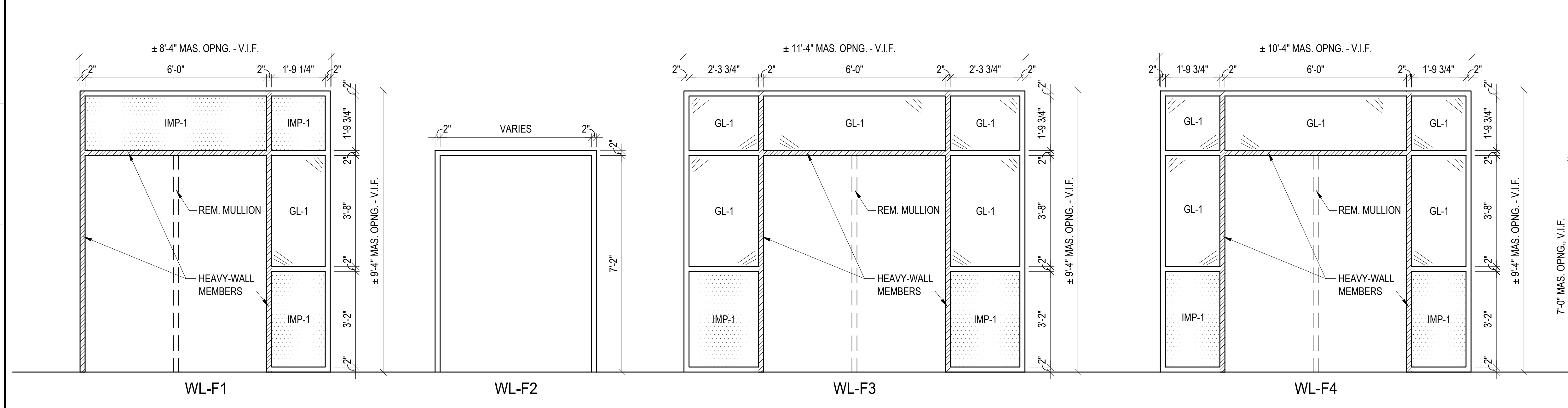
- VERIFY ALL EXISTING FRAME OPENING SIZES. REPORT ANY DISCREPANCIES TO ARCHITECT IMMEDIATELY.
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- HM = HOLLOW METAL
- AL = ALUMINUM
- Y = YES / NEW CARD READER
- N = NO
- EX = EXISTING TO REMAIN

**SPECIFIC DOOR & FRAME NOTES:**

- PROVIDE 180 DEGREE HINGES ON ALL LEAVES.
- PROVIDE 135 DEGREE HINGES ON ALL LEAVES.
- NEW DOOR INSTALLED INTO EXISTING ALUMINUM STOREFRONT FRAME. REUSE EXISTING HARDWARE MOUNTING LOCATIONS OR PATCH/REPAIR EXISTING FRAMING AS REQUIRED TO REMOVE ALL EVIDENCE OF PREVIOUS HARDWARE INSTALLATIONS AFTER INSTALLATION OF NEW HARDWARE.
- EXISTING CARD READER TO REMAIN. COOL UP EXISTING CARD READER WIRING AND TERMINATE SAFELY ABOVE THE CEILING FOR WORK BY OTHERS. PROTECT CARD READER FOR DURATION OF DEMOLITION AND CONSTRUCTION DEBRIS AS REQUIRED.
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- G.C. COORDINATE AND INCREASE DOOR UNDERCUT TO ACCOMMODATE SLOPED THRESHOLD.
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- CAREFULLY REMOVE EXISTING DOOR AND FRAME FROM OPENING ADJACENT TO EXISTING QUARRY TILE. PROTECT TILE DURING DEMOLITION AND CONSTRUCTION. PROVIDE NEW TILE AS REQUIRED TO REPLACE TILE DISTURBED OR DAMAGED DURING CONSTRUCTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CAREFULLY REMOVE EXISTING DOOR AND FRAME FROM OPENING ADJACENT TO WOOD FLOOR. PROTECT WOOD FLOOR DURING DEMOLITION AND CONSTRUCTION. PROVIDE NEW FLOORING AS REQUIRED TO REPLACE PORTIONS DISTURBED OR DAMAGED DURING CONSTRUCTION THAT IS INDISTINGUISHABLE FROM ADJACENT EXISTING PORTIONS.
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- REMOVE AND SALVAGE EXISTING EQUIPMENT AIR CURTAIN UNIT, LOUSPEAKER, AND MOTION SENSOR) ON INTERIOR FACE OF TRANSOM PANEL. REPAIR AS NECESSARY, AND REMOUNT EQUIPMENT ON NEW TRANSOM PANEL AFTER NEW FRAME INSTALLATION.
- CAREFULLY REMOVE AND TURN OVER TO OWNER STUDENT ARTWORK IN TRANSOM PANEL ABOVE DOOR PRIOR TO START OF DEMO. COORDINATE WITH OWNER REGARDING REINSTALLATION AFTER CONSTRUCTION.
- PROTECT OR REMOVE ACT CEILING AT HEAD AND JAMBS WHERE PRESENT. SEE PLAN NOTES FOR ADDITIONAL INFORMATION.
- PROTECT EXT SIGNAGE AT HEAD OF DOOR DURING CONSTRUCTION.
- PROTECT EXISTING STUCCO BULKHEAD AT HEAD WHERE PRESENT. MODIFY, PATCH, REPAIR, AND FINISH STUCCO AS INDICATED IN FRAME DETAILS OR AS REQUIRED TO RESTORE DISTURBED MATERIAL TO PRE-CONSTRUCTION CONDITIONS.
- CLEAN, PATCH, AND REPAIR EXISTING FRAME AS REQUIRED TO PREPARE FOR NEW FINISH. PREPARE AND PAINT ENTIRE HOLLOW METAL FRAME PRIOR TO INSTALLATION OF NEW DOOR PER GENERAL NOTES.



**E1 WATERLOO ES - DOOR TYPES**  
1/2"=1'-0"



**A1 WATERLOO ES - FRAME TYPES**  
1/2"=1'-0"

**A16 WATERLOO ES - FRAME DETAILS**  
1/2"=1'-0"

NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH E1)

NO	REVISION / SUBMISSION	DATE
	95% CD SUBMISSION	11/27/2019
	100% CD SUBMISSION	01/17/2020

**SM+P ARCHITECTS**  
SCHAMU MACHOWSKI & PATTERSON ARCHITECTS, INC.  
1100 CATHEDRAL STREET, BALTIMORE, MD 21201  
TEL: 410-696-9062 WWW.SMP-ARCHITECTS.COM

PROJECT: HCPSS THREE ELEMENTARY SCHOOLS SELECT EXT. DOOR REPLACEMENTS

DRAWING TITLE: WATERLOO ES DOOR SCHEDULE, TYPES, & DETAILS

DRAWN: ZSS PROJECT #: 19035.00

CHECKED: ZSS DRAWING #

REVIEWED: REM

DATE: 01/17/2020

SCALE: AS NOTED

**A2.2**

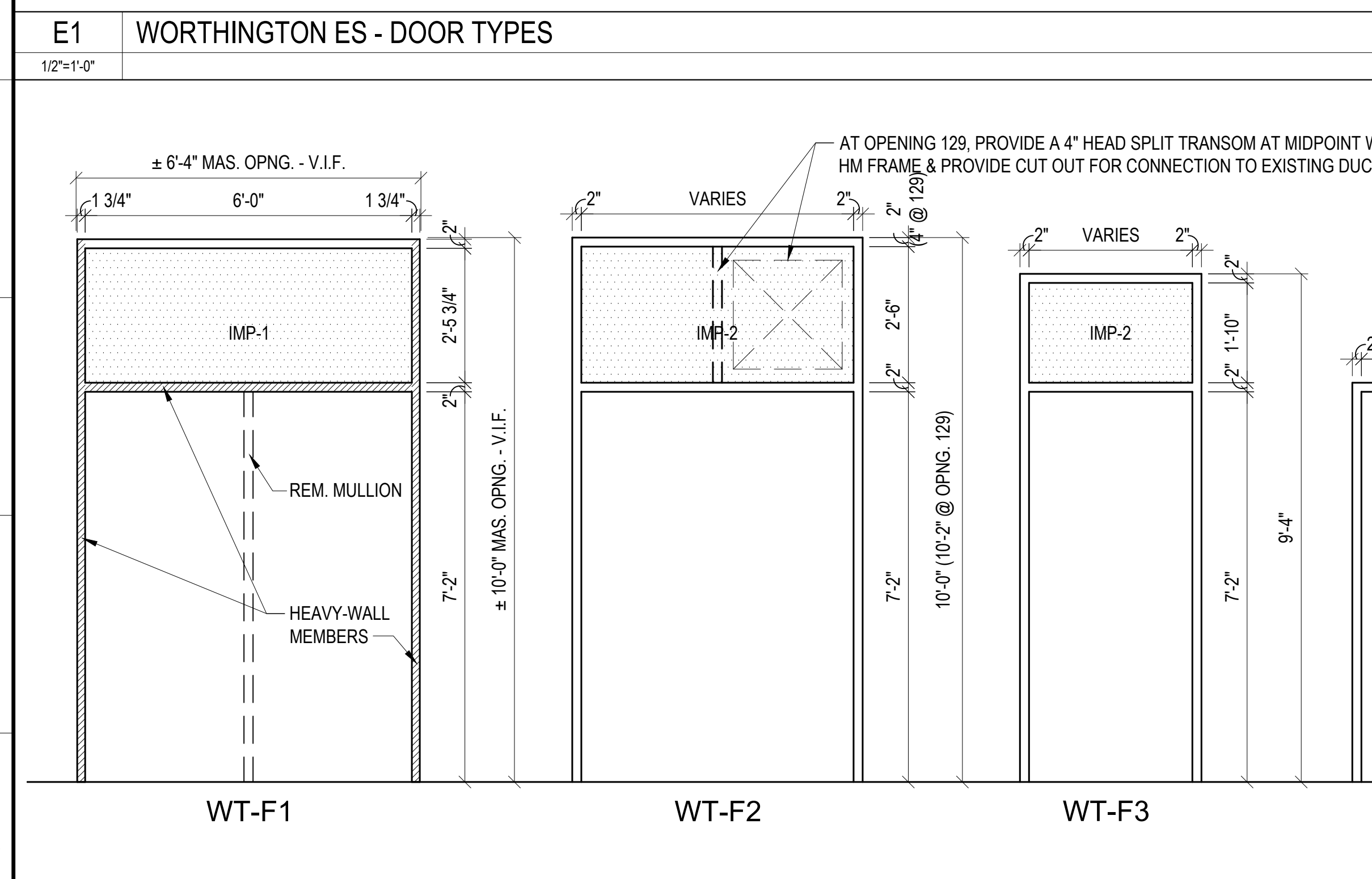
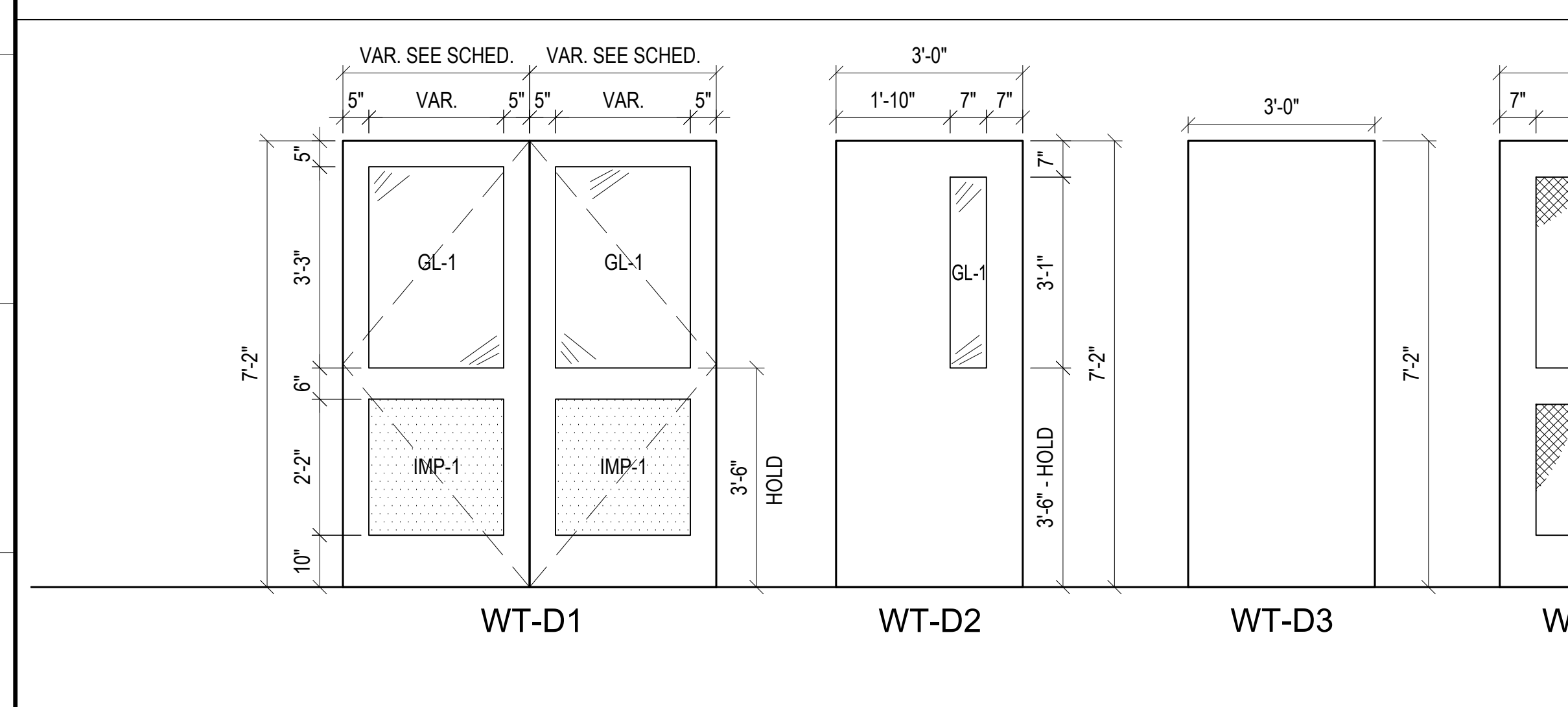
HCPSS 3 ELEM. SCHOOL - SELECT EXT. DOOR REPLACEMENTS



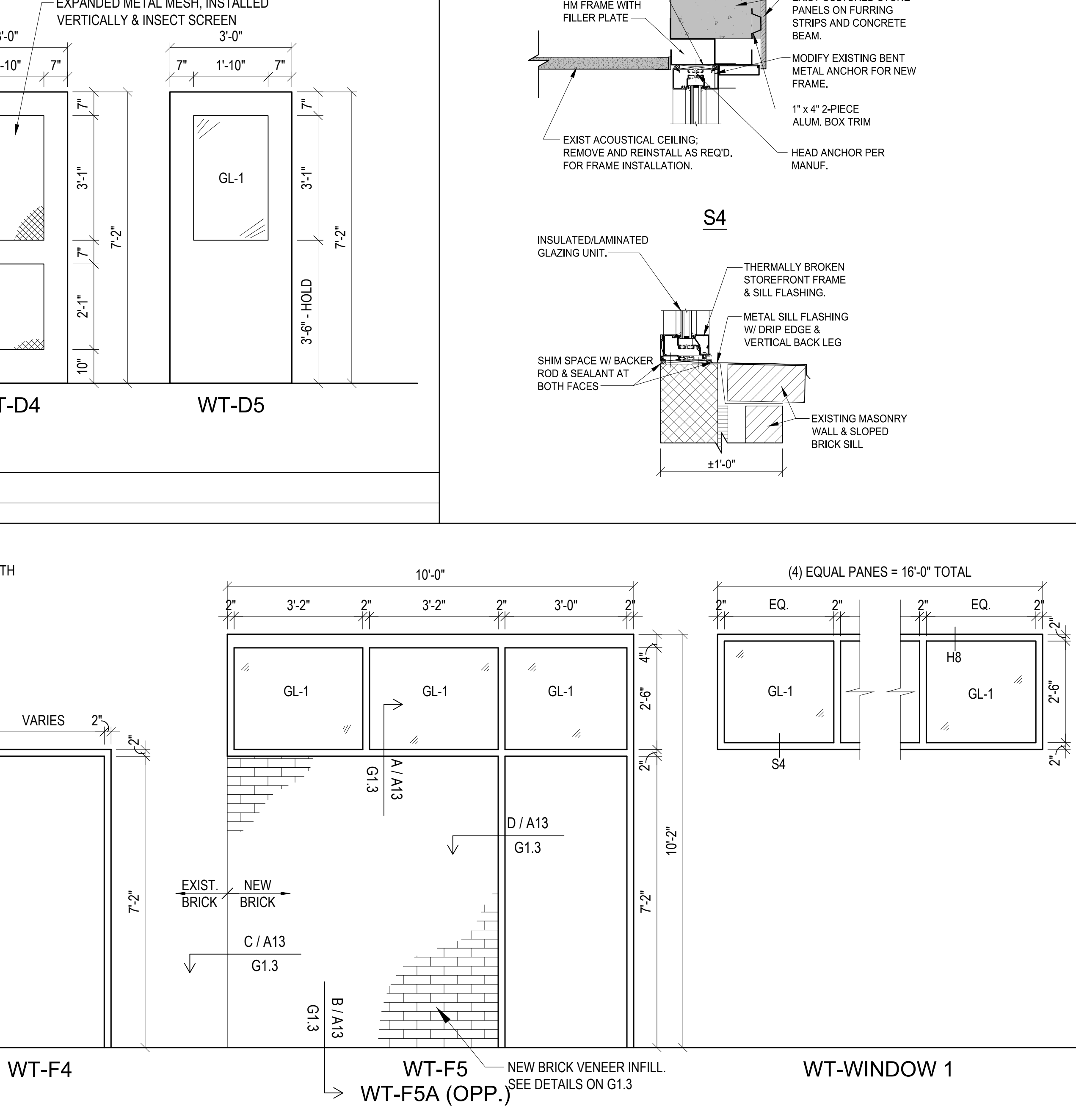
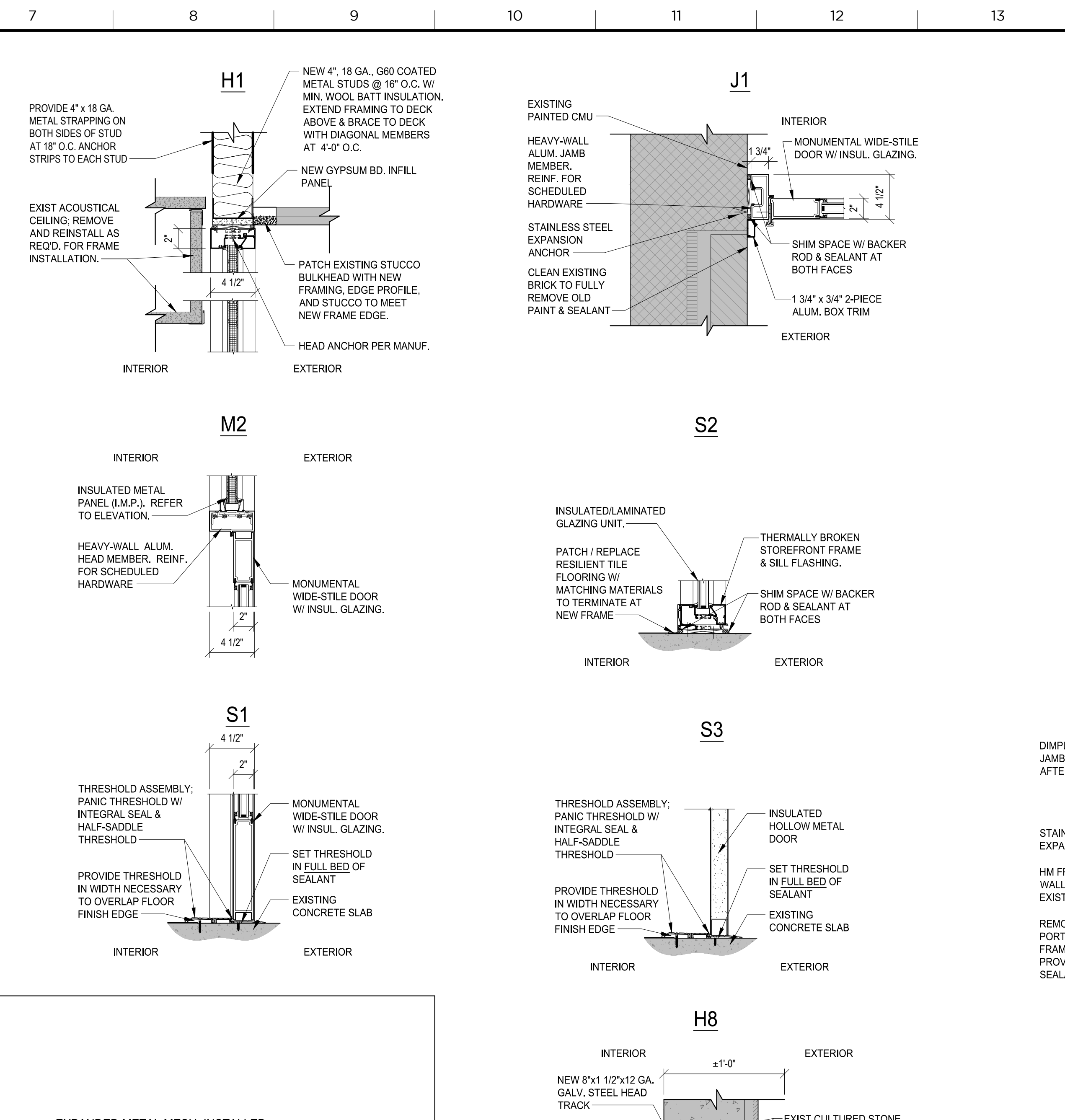
Mark	Type	Door			Frame			Fire Rating Label	Card Reader	Hardware Set Number	Notes						
		Width	Height	Thickness	Material	Glazing	Louver					Type	Material	Head			
WT-101	WT-D1	2'-3 1/2"	7'-2"	2"	AL	Y	N	WT-F1	AL	H1	J11,2	S1	-	EX	WT-H2	4, 7, 14, 16	
WT-102	WT-D1	2'-3 1/2"	7'-2"	2"	AL	Y	N	WT-F1	AL	H1	J11,2	S1	-	EX	WT-H2	4, 7, 14, 16	
WT-103	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-104	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-105	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-106	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-107	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-108	WT-D1	2'-3 1/2"	7'-2"	2"	AL	Y	N	WT-F1	AL	H4	J2	S1	-	EX	WT-H2	4, 7, 14, 16	
WT-109	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H3	J5,6	S3	-	N	WT-H3	7, 14, 16	
WT-110	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-111	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-112	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-113	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H2	J3,4	S3	-	N	WT-H3	7, 14, 16	
WT-114	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H5	J7	S3	-	N	WT-H3	7	
WT-115	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H5	J7	S3	-	N	WT-H3	7	
WT-116	WT-D1	2'-3 1/2"	7'-2"	2"	AL	Y	N	WT-F1	AL	H1	J11,2	S1	-	EX	WT-H2	4, 7, 14, 16	
WT-117	WT-D3	3'-0"	7'-2"	1 3/4"	HM	N	N	WT-F4	HM	H6	J7A	S3	-	N	WT-H3	7	
WT-118	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H6	J7A	S3	-	N	WT-H3	7	
WT-119	WT-D3	3'-0"	7'-2"	1 3/4"	HM	N	N	WT-F4	HM	H6	J7A	S3	-	N	WT-H3	7	
WT-120	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H6	J7A	S3	-	N	WT-H3	7	
WT-121	WT-D1	2'-3 1/2"	7'-2"	2"	AL	Y	N	WT-F1	AL	H1	J11,2	S1	-	EX	WT-H2	4, 7, 14, 16	
WT-122	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H6	J5	S3	-	N	WT-H3	9	
WT-123	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F2	HM	H6	J5	S3	-	N	WT-H3	9	
WT-124	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H7	J8	S3	-	Y	WT-H4	7, 10, 14	
WT-125	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H7	J8	S3	-	Y	WT-H4	7, 10, 14	
WT-126	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H6	J8	S3	-	N	WT-H3	7	
WT-127	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H6	J8	S3	-	Y	WT-H4	7, 10	
WT-128	WT-D2	3'-0"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H6	J8	S3	-	N	WT-H3	7	
WT-129	WT-D3	2'-3 1/2"	7'-2"	1 3/4"	HM	N	N	WT-F2	HM	H7	J8	S3	-	N	WT-H4	7, 14	
WT-130	WT-D3	3'-0"	7'-2"	1 3/4"	HM	N	N	EX	EX-HM	-	-	-	-	Y	WT-H6	10, 17	
WT-131A	WT-D4	2'-3 1/2"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H6	J8	S3	-	Y	WT-H7	8, 10	
WT-131B	WT-D5	2'-3 1/2"	7'-2"	1 3/4"	HM	Y	N	WT-F4	HM	H6	J8	S3	-	-	WT-H8	8	
WT-132	WT-D3	3'-0"	7'-2"	1 3/4"	HM	N	N	WT-F4	HM	H6	J8	S3	-	N	WT-H9	7	
WT-133	WT-D1	2'-3 1/2"	7'-2"	2"	AL	Y	N	WT-F1	AL	H1	J11,2	S1	-	Y	WT-H2	7, 10, 14, 16	

**GENERAL DOOR & FRAME NOTES:**  
 - VERIFY ALL EXISTING FRAME OPENING SIZES. REPORT ANY DISCREPANCIES TO ARCHITECT IMMEDIATELY.  
 - CAREFULLY REMOVE AND PROVIDE NEW DOORS AND FRAMES TO LIMIT DISTURBANCES TO ADJACENT FINISHES. CONTRACTOR SHALL TOUCH-UP, PATCH, REPAIR, REFINISH, OR REPLACE ALL ADJACENT FLOOR, WALL, AND CEILING FINISHES DISTURBED DURING CONSTRUCTION. TO RESTORE ALL OPENINGS USING MATCHING MATERIALS TO CLEAN, SOUND, AND NEAT APPEARANCE THAT IS INDISTINGUISHABLE FROM ADJACENT UNDISTURBED SURFACES WHETHER MATERIALS ARE SPECIFICALLY CALLED OUT OR SPECIFIED OR NOT.  
 - HM = HOLLOW METAL  
 - AL = ALUMINUM  
 - Y = YES / NEW CARD READER  
 - N = NO  
 - EX = EXISTING TO REMAIN

**SPECIFIC DOOR & FRAME NOTES:**  
 1. PROVIDE 180 DEGREE HINGES ON ALL LEAVES.  
 2. PROVIDE 135 DEGREE HINGES ON ALL LEAVES.  
 3. NEW DOOR INSTALLED INTO EXISTING ALUMINUM STOREFRONT FRAME. REUSE EXISTING HARDWARE MOUNTING LOCATIONS OR PATCH/REPAIR EXISTING FRAMING AS REQUIRED TO REMOVE ALL EVIDENCE OF PREVIOUS HARDWARE INSTALLATIONS AFTER INSTALLATION OF NEW HARDWARE.  
 4. EXISTING CARD READER TO REMAIN. COIL UP EXISTING CARD READER WIRING AND TERMINATE SAFELY ABOVE THE CEILING FOR WORK BY OTHERS. PROTECT CARD READER FOR DURATION OF DEMOLITION AND CONSTRUCTION DEBRIS AS REQUIRED.  
 5. EXISTING DOOR OPERATOR TO REMAIN. DISCONNECT AND STORE OPERATOR WIRING FOR DURATION OF DEMOLITION. PROTECT OPERATOR AS REQUIRED DURING DEMOLITION. RECONNECT OPERATOR TO NEW DOOR & PROVIDE ANY NECESSARY WIRING ACCESSORIES TO BE COMPATIBLE WITH NEW DOOR AND HARDWARE.  
 6. G.C. COORDINATE AND INCREASE DOOR UNDERCUT TO ACCOMMODATE SLOPED THRESHOLD.  
 7. CAREFULLY REMOVE EXISTING DOOR AND/OR FRAME FROM OPENING ADJACENT TO EXISTING QUARRY TILE. PROTECT TILE DURING DEMOLITION AND CONSTRUCTION. PROVIDE NEW MATCHING TILE AS REQUIRED TO REPLACE TILE DISTURBED OR DAMAGED DURING CONSTRUCTION. IF MATCHING TILE IS NOT AVAILABLE, PROVIDE (2) ROWS OF NEW TILE IN AN ALTERNATE COLOR AS SELECTED FROM THE ARCHITECT FROM THE MANUFACTURER'S FULL STANDARD RANGE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.  
 8. CAREFULLY REMOVE EXISTING DOOR AND FRAME FROM OPENING ADJACENT TO EXISTING QUARRY TILE. PROTECT TILE DURING DEMOLITION AND CONSTRUCTION. PROVIDE NEW TILE AS REQUIRED TO REPLACE TILE DISTURBED OR DAMAGED DURING CONSTRUCTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.  
 9. CAREFULLY REMOVE EXISTING DOOR AND FRAME FROM OPENING ADJACENT TO WOOD FLOOR. PROTECT WOOD FLOOR DURING DEMOLITION AND CONSTRUCTION. PROVIDE NEW FLOORING AS REQUIRED TO REPLACE PORTIONS DISTURBED OR DAMAGED DURING CONSTRUCTION THAT IS INDISTINGUISHABLE FROM ADJACENT EXISTING PORTIONS.  
 10. PROVIDE NEW ELECTRIC HARDWARE FOR NEW CARD READER INSTALLATION.  
 11. EXISTING DOOR AND FRAME TO REMAIN. DEMOLISH EXISTING MAG LOCKS. PROVIDE NEW HARDWARE PER HARDWARE SCHEDULE.  
 12. REMOVE AND SALVAGE EXISTING EQUIPMENT AIR CURTAIN UNIT, LOUDSPEAKER, AND MOTION SENSOR) ON INTERIOR FACE OF TRANSOM PANEL. REPAIR AS NECESSARY, AND REMOUNT EQUIPMENT ON NEW TRANSOM PANEL AFTER NEW FRAME INSTALLATION.  
 13. CAREFULLY REMOVE AND TURN OVER TO OWNER STUDENT ARTWORK IN TRANSOM PANEL ABOVE DOOR PRIOR TO START OF DEMO. COORDINATE WITH OWNER REGARDING REINSTALLATION AFTER CONSTRUCTION.  
 14. PROTECT OR REMOVE ACT CEILING AT HEAD AND JAMBS WHERE PRESENT. SEE PLAN NOTES FOR ADDITIONAL INFORMATION.  
 15. PROTECT EXIT SIGNAGE AT HEAD OF DOOR DURING CONSTRUCTION.  
 16. PROTECT EXISTING STUCCO BULKHEAD AT HEAD WHERE PRESENT. MODIFY, PATCH, REPAIR, AND FINISH STUCCO AS INDICATED IN FRAME DETAILS OR AS REQUIRED TO RESTORE DISTURBED MATERIAL TO PRE-CONSTRUCTION CONDITIONS.  
 17. CLEAN, PATCH, AND REPAIR EXISTING FRAME AS REQUIRED TO PREPARE FOR NEW FINISH. PREPARE AND PAINT ENTIRE HOLLOW METAL FRAME PRIOR TO INSTALLATION OF NEW DOOR PER GENERAL NOTES.



**A1 WORTHINGTON ES - FRAME TYPES**  
 1/2"=1'-0"



**A14 WORTHINGTON ES - FRAME DETAILS**  
 1/2"=1'-0"

**NOTE: FULL SIZE DRAWINGS ARE PRINTED ON 30" x 42" SHEET (ARCH E)**

NO	REVISION / SUBMISSION	DATE
95%	CD SUBMISSION	11/27/2019
100%	CD SUBMISSION	01/17/2020

**SM+P**  
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**PROJECT:** HCPSS THREE ELEMENTARY SCHOOLS SELECT EXT. DOOR REPLACEMENTS

**DRAWING TITLE:** WORTHINGTON ES DOOR SCHEDULE, TYPES, & DETAILS

**DRAWN:** ZSS PROJECT # 19035.00  
**CHECKED:** ZSS DRAWING #  
**REVIEWED:** REM  
**DATE:** 01/17/2020  
**SCALE:** AS NOTED

**A2.3**