

TURTLE LAKE SCHOOL DISTRICT WINDOW & ENTRY REPLACE

205 OAK STREET NORTH
TURTLE LAKE, WI 54889

- A101 TITLE SHEET
- A102 SITE MAP - EXISTING

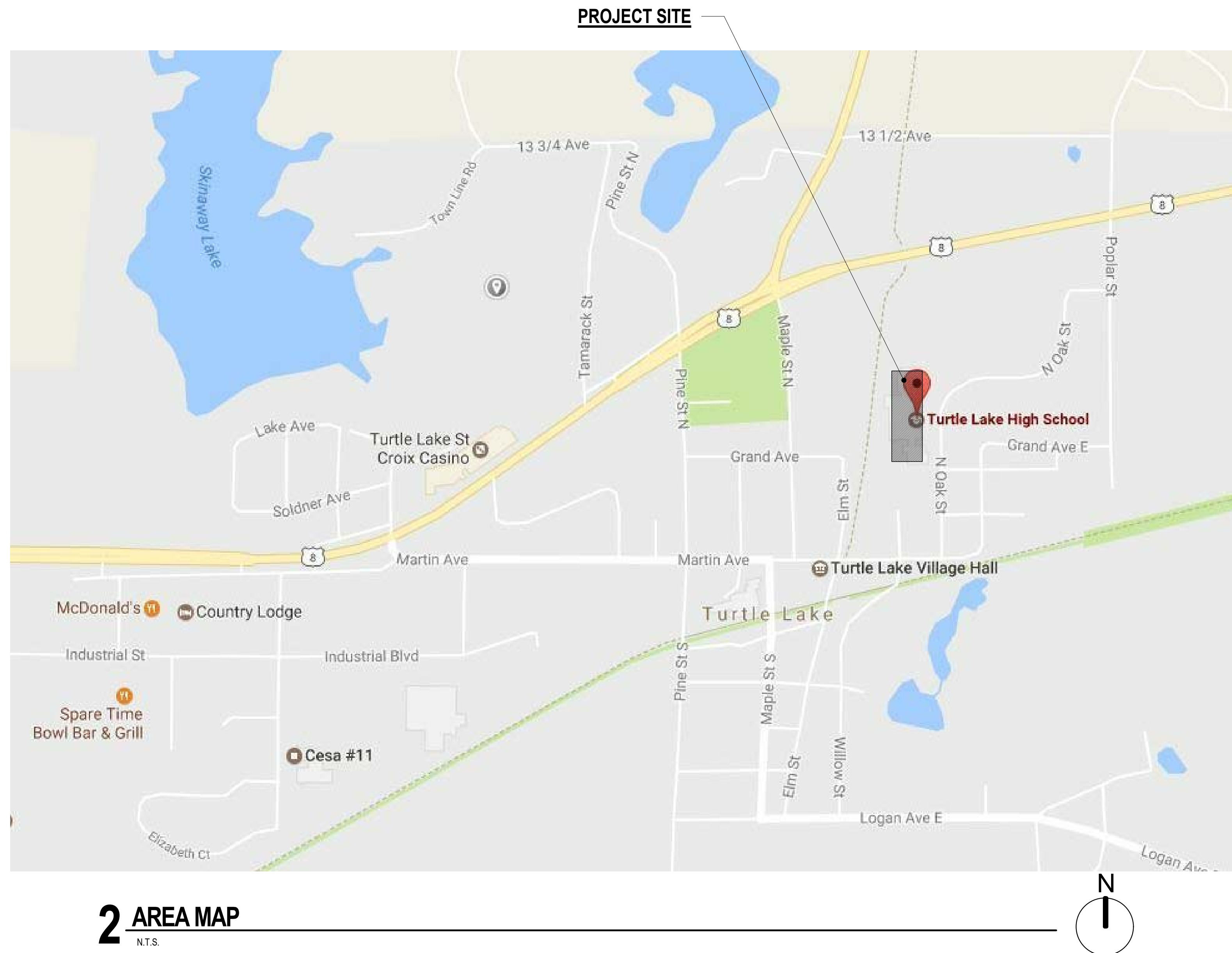
- A201 GROUND FLOOR - OVERALL DEMOLITION PLAN
- A202 FIRST FLOOR - OVERALL DEMOLITION PLAN
- A203 GROUND FLOOR & FIRST FLOOR - AREA D DEMOLITION, DEMO. DETAILS, DEMO. WINDOW ELEVATIONS
- A204 FIRST FLOOR - AREAS F & E DEMOLITION, DEMO. DETAILS
- A205 EXTERIOR ELEVATIONS - DEMOLITION

- A301 GROUND FLOOR - OVERALL REMODEL PLAN
- A302 FIRST FLOOR - OVERALL REMODEL PLAN
- A303 GROUND FLOOR - AREA D REMODEL, FIRST FLOOR PLAN-AREA D REMODEL
- A304 FIRST FLOOR - AREAS E & F REMODEL, NEW ENTRY FLOOR PLAN

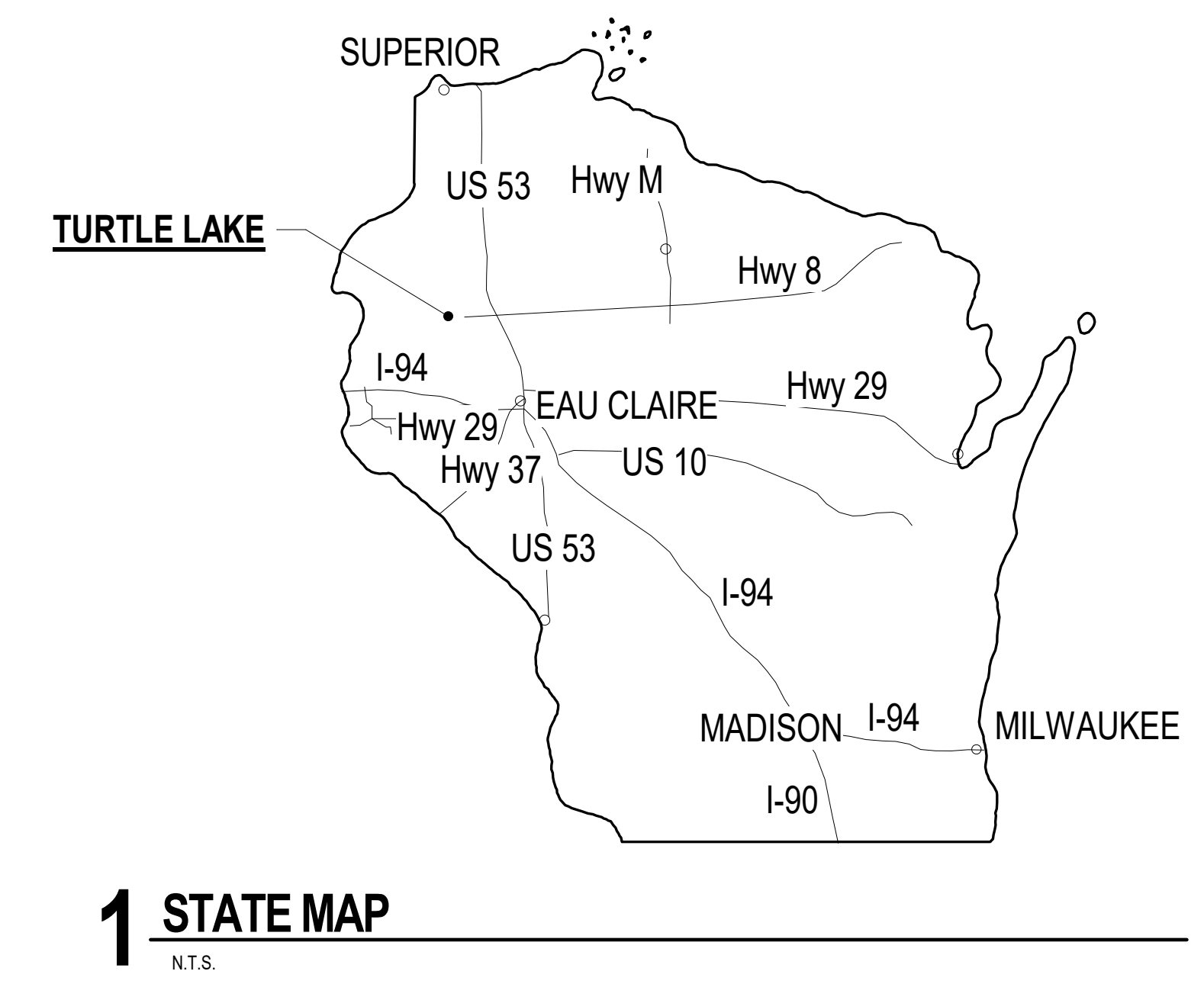
- A401 EXTERIOR ELEVATIONS - REMODEL

- A501 WINDOW TYPES, STOREFRONT WALL TYPES, DOOR TYPES, DETAILS, SCHEDULE
- A502 VESTIBULE SECTIONS, DETAILS, NEW ENTRY ROOF PLAN
- A503 NEW ENTRY REFLECTED CEILING PLAN, COLUMN DETAIL, STOREFRONT JAMB

- A901 STURCTURAL DESIGN NOTES
- A902 FOUNDATION PLAN, ROOF FRAMING PLAN, DETAILS



2 AREA MAP
N.T.S.



1 STATE MAP
N.T.S.



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**TURTLE LAKE SCHOOL DISTRICT
 WINDOW & ENTRY REPLACE**
 205 OAK STREET NORTH
 TURTLE LAKE, WI 54889

TITLE SHEET

REVISIONS:	NO.	DATE

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NOVEMBER 13, 2017

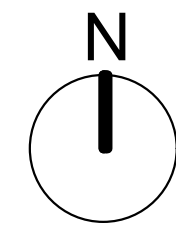
A101

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1 SITE MAP - EXISTING
1" = 10'-0"



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A102

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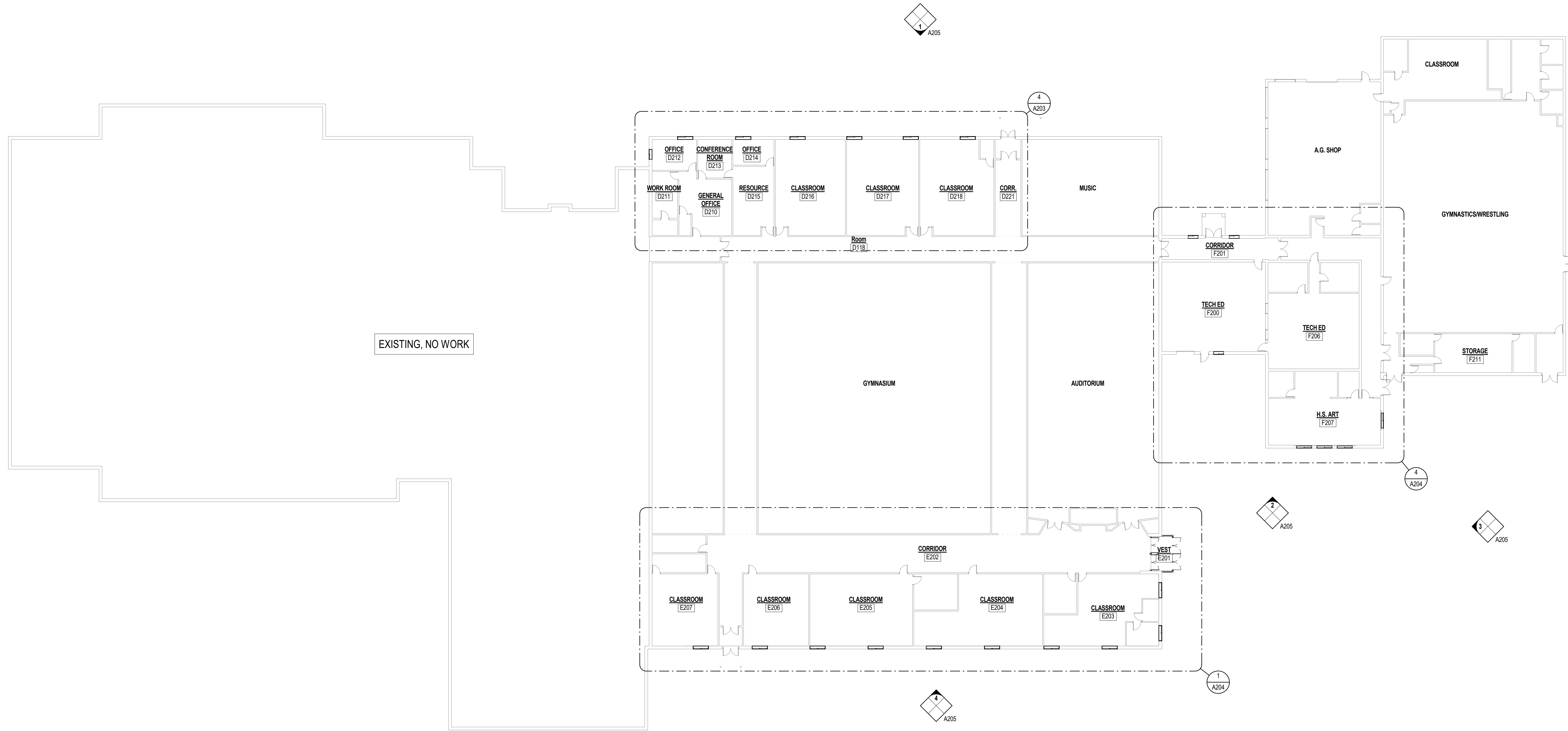
SITE MAP - EXISTING

TURTLE LAKE SCHOOL DISTRICT
WINDOW & ENTRY REPLACE
205 OAK STREET NORTH
TURTLE LAKE, WI 54889

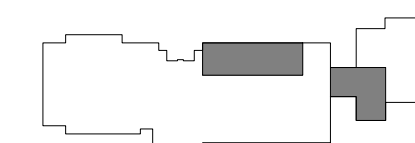
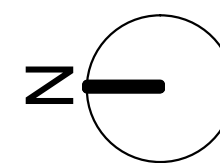
LIEN & PETERSON ARCHITECTS, INC.
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1 FIRST FLOOR - OVERALL DEMOLITION PLAN
 1" = 20'-0"



KEY PLAN



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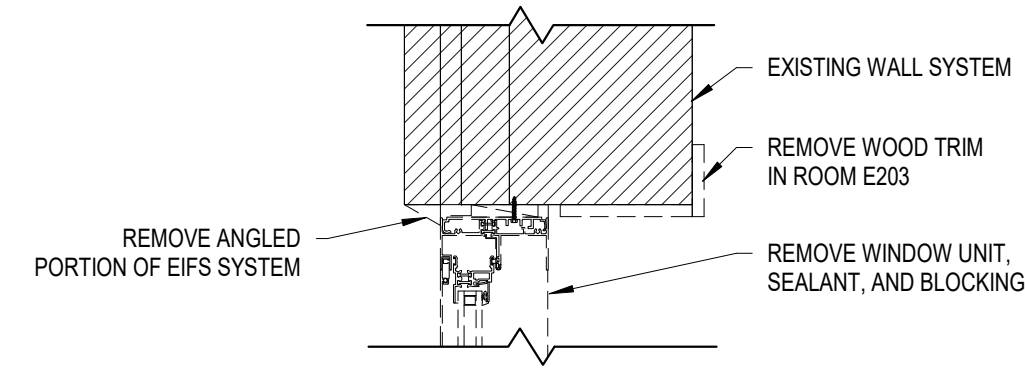
FIRST FLOOR - OVERALL
 DEMOLITION PLAN

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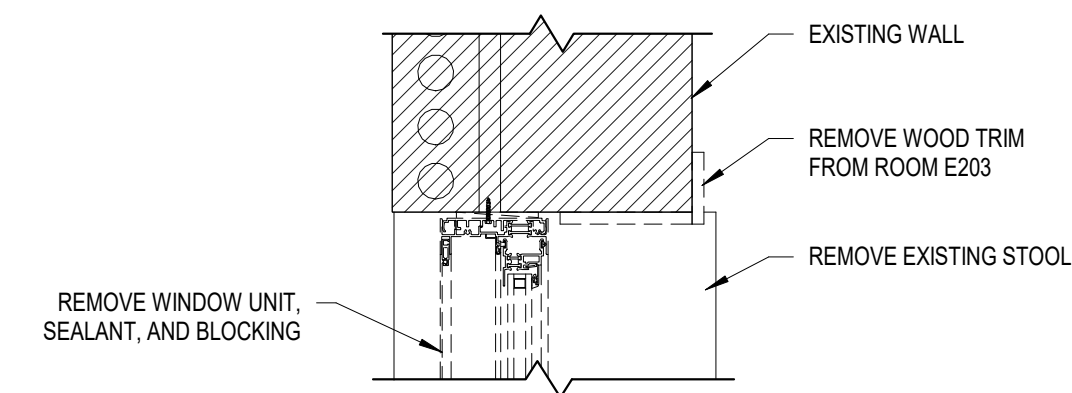
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A202

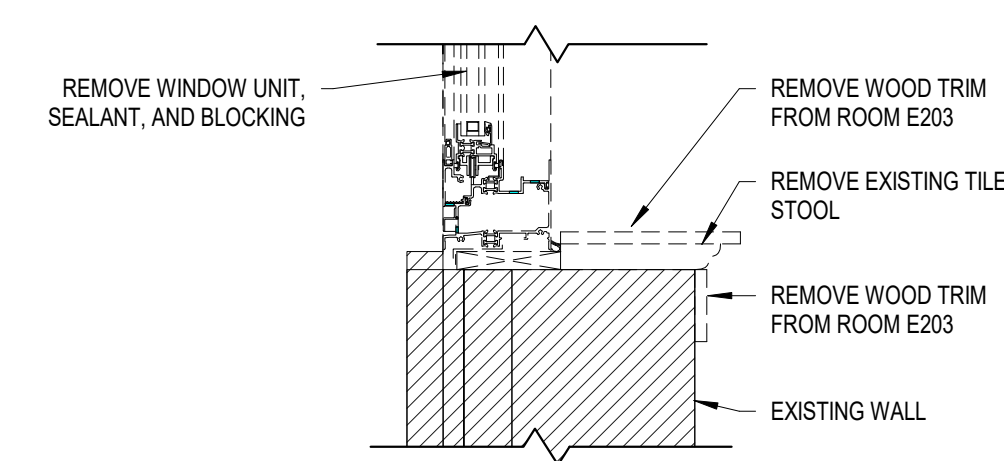
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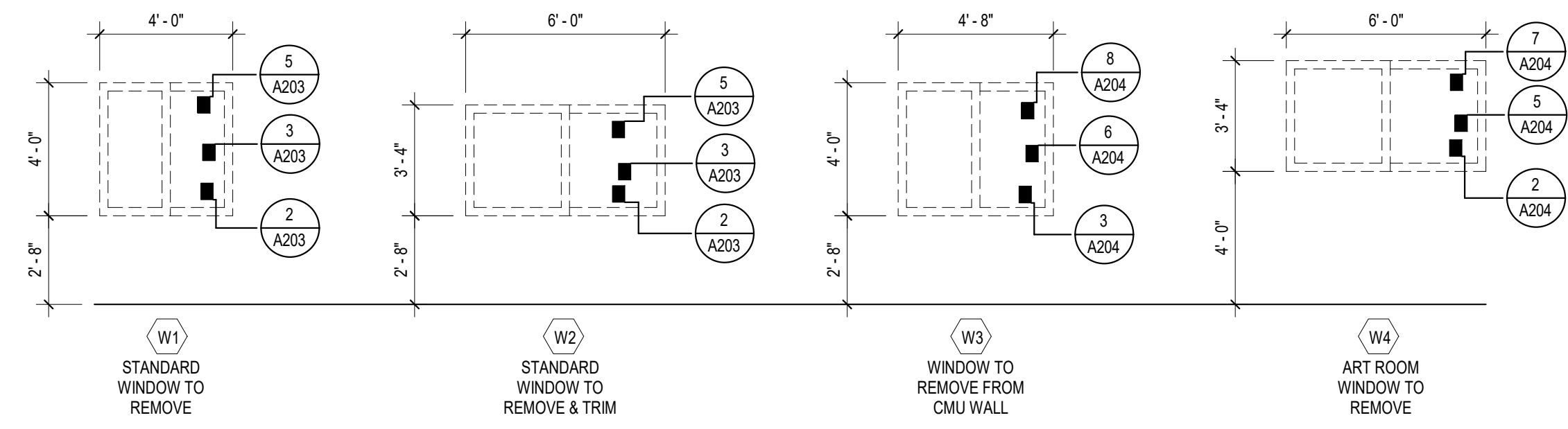
5 DEMO. STANDARD HEAD DETAIL
1 1/2" = 1'-0"



3 DEMO. STANDARD JAMB DETAIL
1 1/2" = 1'-0"

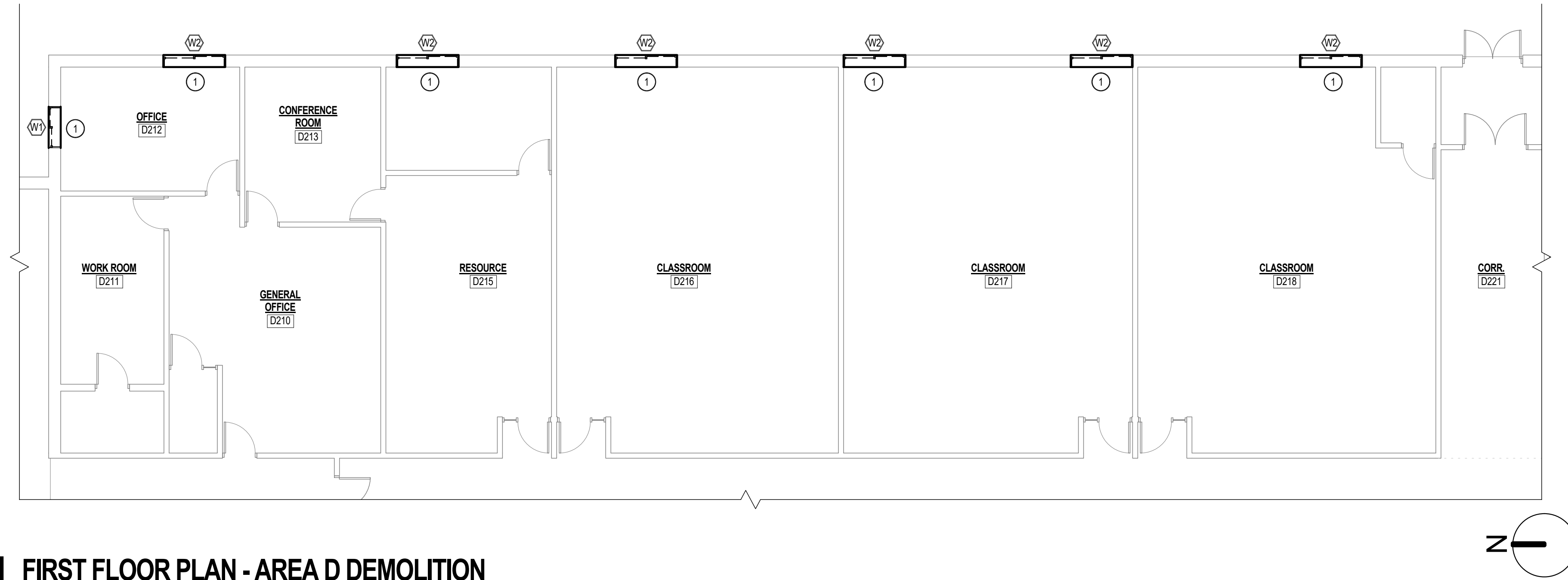


2 DEMO. STANDARD SILL DETAIL
1 1/2" = 1'-0"

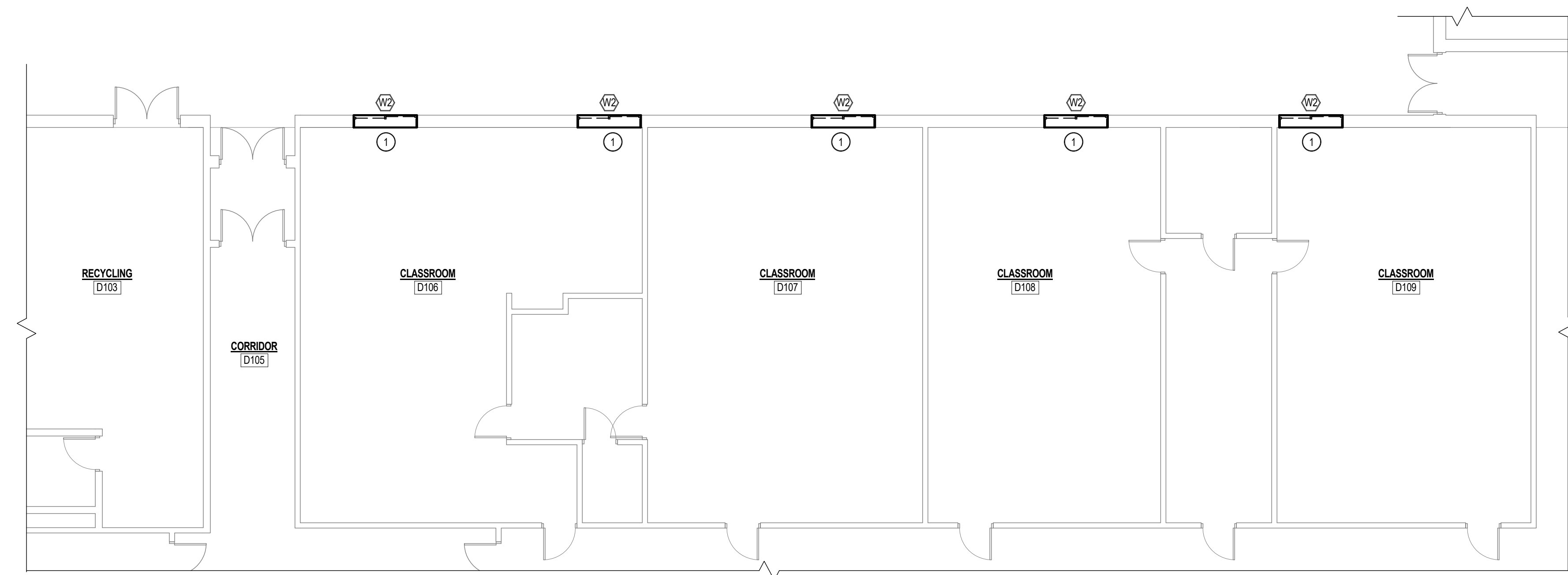


6 DEMOLITION WINDOW TYPES
1/4" = 1'-0"

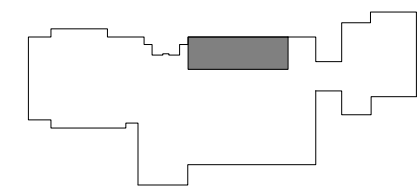
KEYED DEMOLITION NOTES	
Mark	Note
1	REMOVE EXISTING WINDOW, FRAME, AND SILL
2	REMOVE EXISTING VESTIBULE WALLS AND ROOF
3	REMOVE EXISTING DOORS, SALVAGE SECURITY HARDWARE FOR REINSTALLATION
4	REMOVE EXISTING WINDOW, FRAME, WOOD RETURNS, AND SILL
5	REMOVE FLOOR SLAB
6	REMOVE SIDEWALK TO CLOSEST CONTROL JOINT



4 FIRST FLOOR PLAN - AREA D DEMOLITION
1/8" = 1'-0"



1 GROUND FLOOR PLAN - AREA D DEMOLITION
1/8" = 1'-0"



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205 OAK STREET NORTH
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GROUND FLOOR & FIRST FLOOR - AREA D DEMOLITION, DEMO. DETAILS, DEMO. WINDOW ELEVATIONS

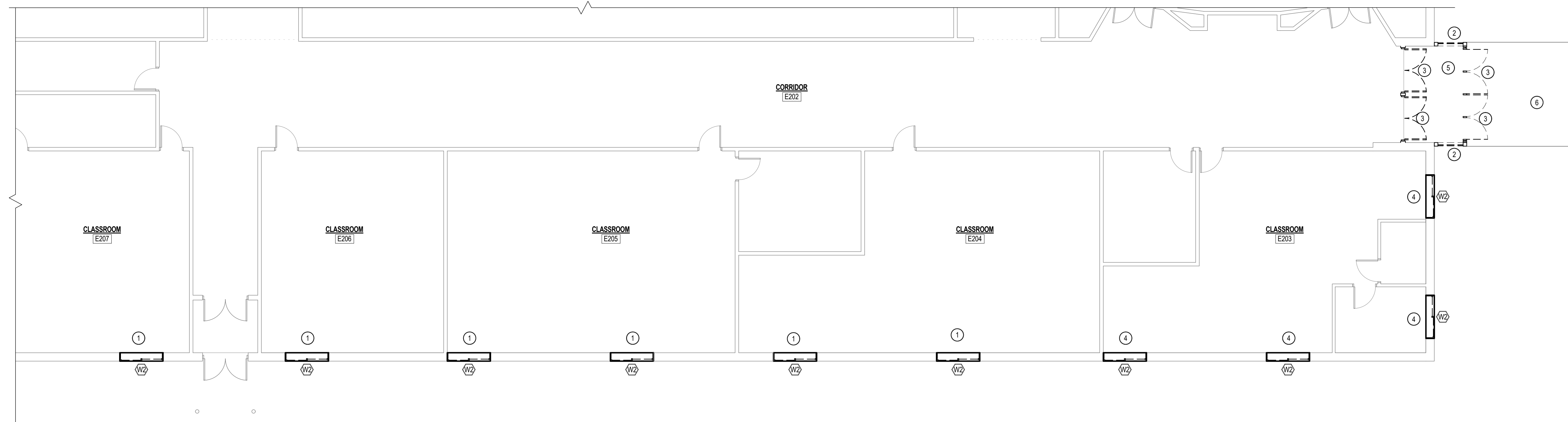
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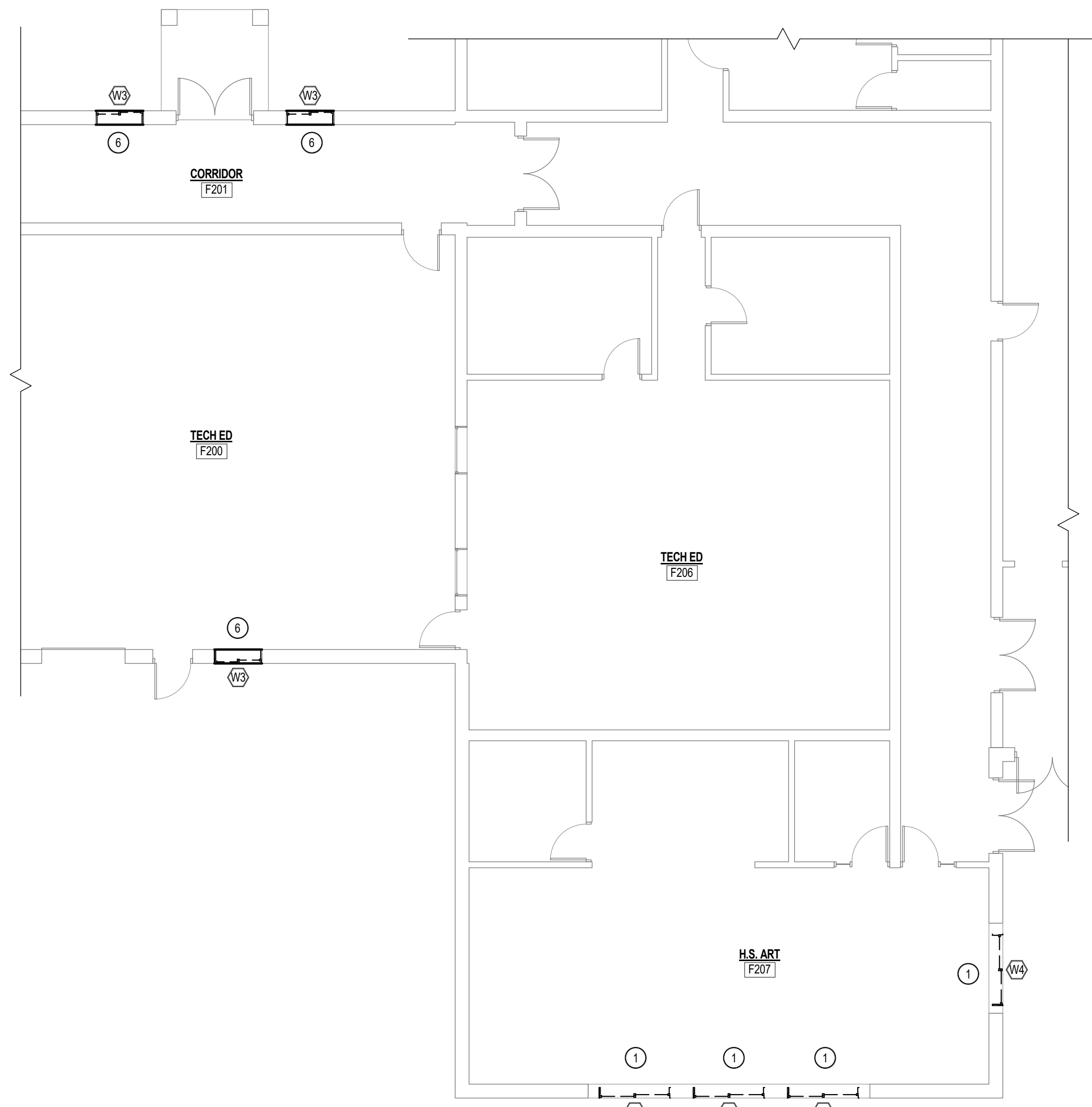
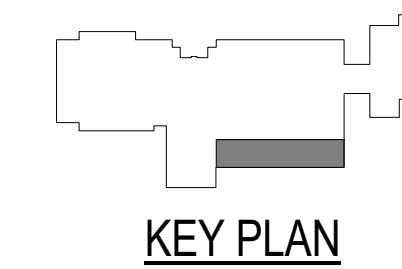
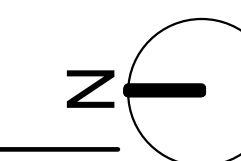
A203

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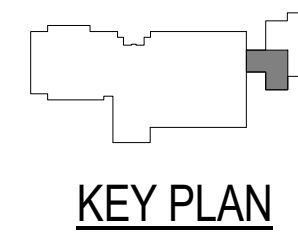
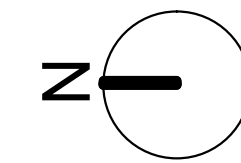
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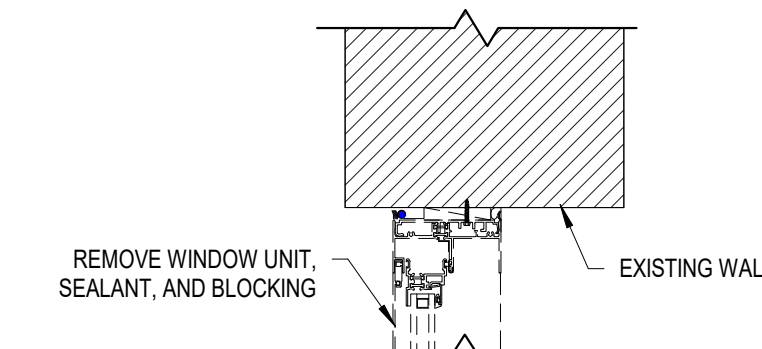
1 FIRST FLOOR PLAN - AREA E DEMOLITION
1/8" = 1'-0"



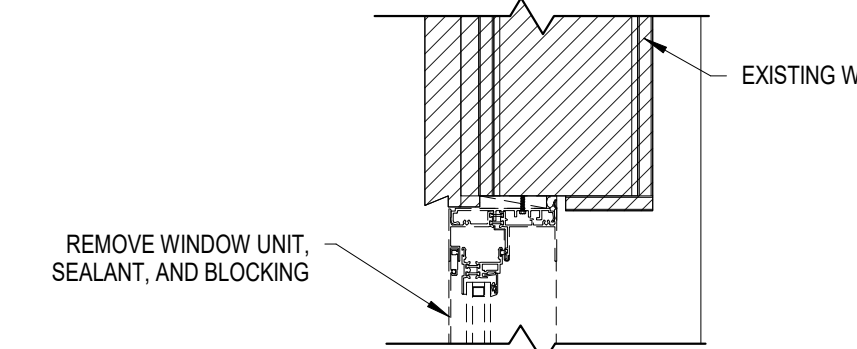
4 FIRST FLOOR PLAN - AREA F DEMOLITION
1/8" = 1'-0"



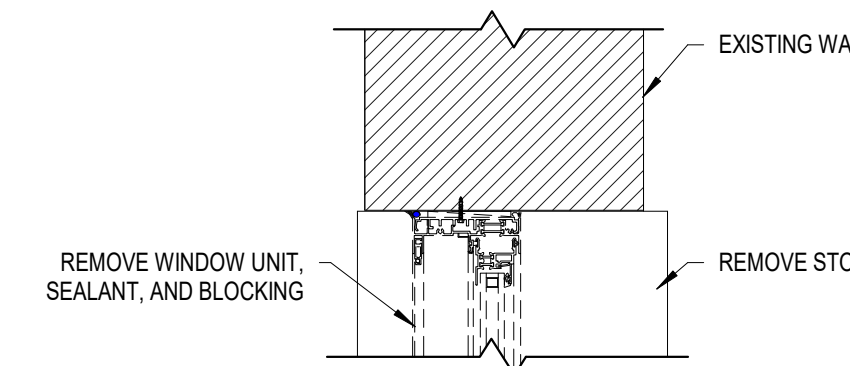
KEYED DEMOLITION NOTES	
Mark	Note
1	REMOVE EXISTING WINDOW, FRAME, AND SILL
2	REMOVE EXISTING VESTIBULE WALLS AND ROOF
3	REMOVE EXISTING DOORS, SALVAGE SECURITY HARDWARE FOR REINSTALLATION
4	REMOVE EXISTING WINDOW, FRAME, WOOD RETURNS, AND SILL
5	REMOVE FLOOR SLAB
6	REMOVE SIDEWALK TO CLOSEST CONTROL JOINT



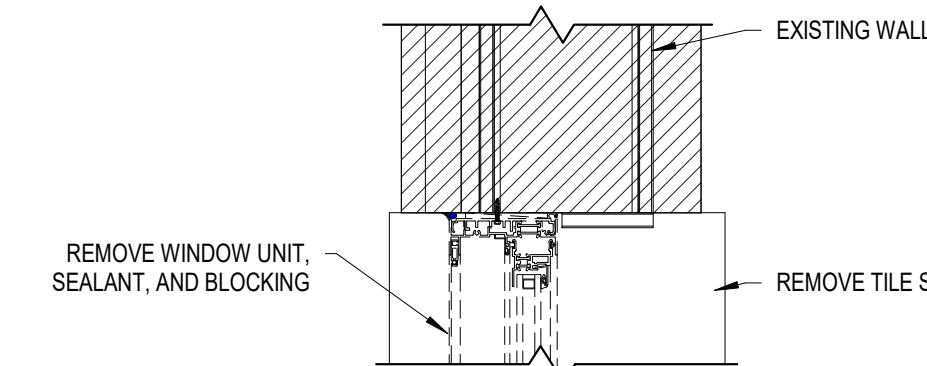
8 DEMO. CMU HEAD DETAIL
1 1/2" = 1'-0"



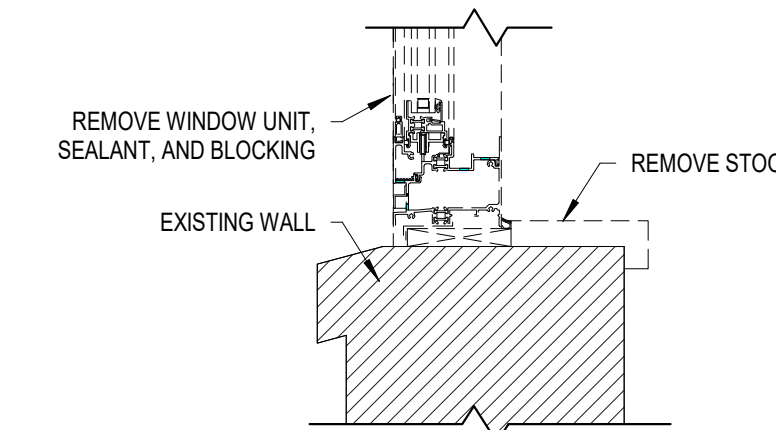
7 DEMO. ART ROOM HEAD DETAIL
1 1/2" = 1'-0"



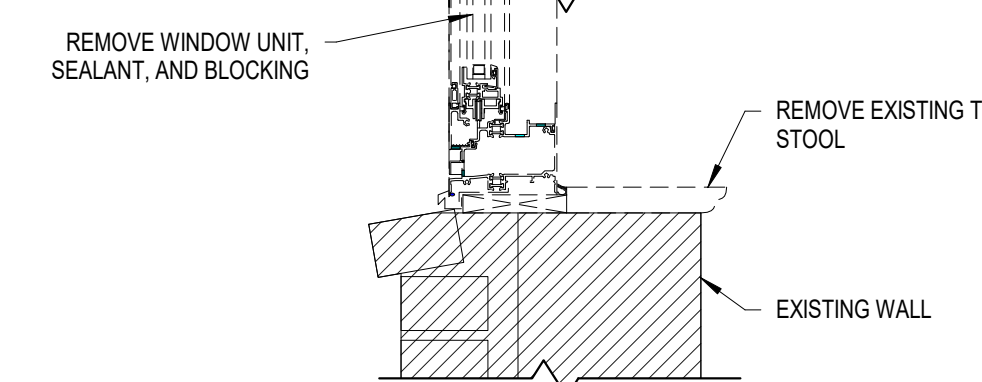
6 DEMO. CMU JAMB DETAIL
1 1/2" = 1'-0"



5 DEMO. ART ROOM JAMB DETAIL
1 1/2" = 1'-0"



3 DEMO. CMU SILL DETAIL
1 1/2" = 1'-0"



2 DEMO. ART ROOM SILL DETAIL
1 1/2" = 1'-0"

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WINDOW & ENTRY REPLACE
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FIRST FLOOR - AREAS F & E DEMOLITION, DEMO. DETAILS

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A204
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TURTLE LAKE SCHOOL DISTRICT
 WINDOW & ENTRY REPLACE
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 TURTLE LAKE, WI 54889

**EXTERIOR ELEVATIONS -
 DEMOLITION**

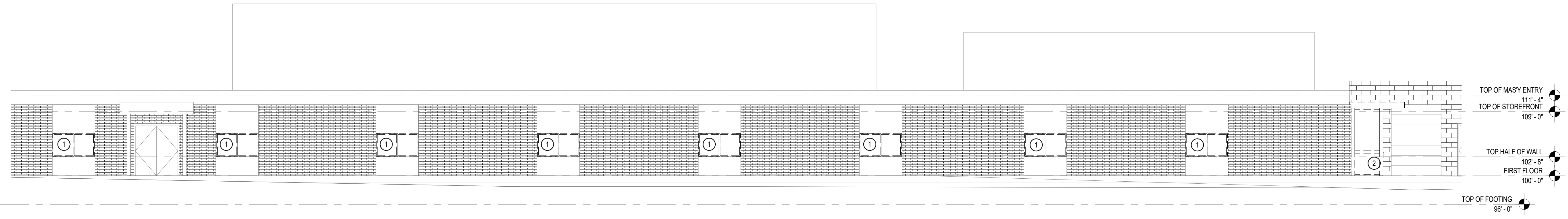
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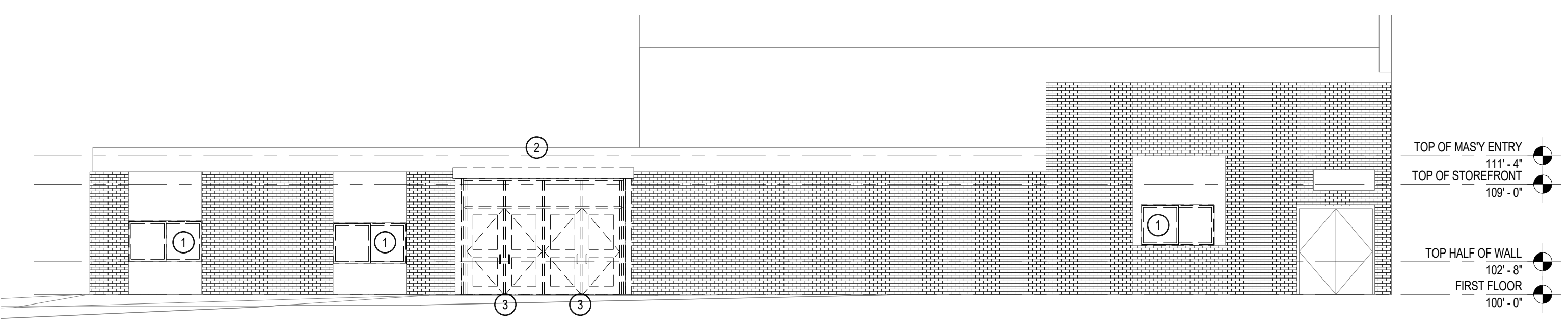
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2dip PROJECT # 1730

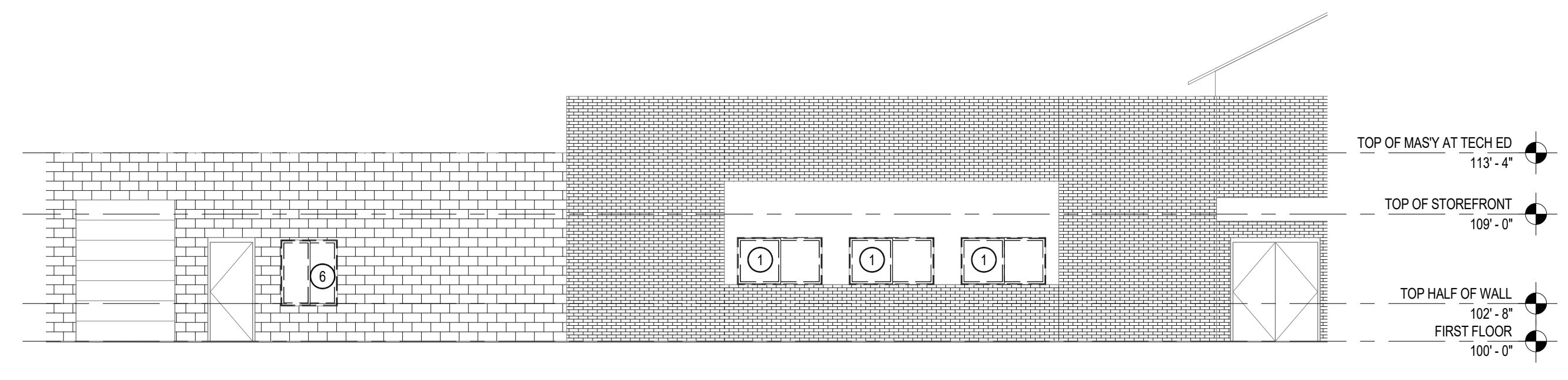
KEYED DEMOLITION NOTES	
Mark	Note
1	REMOVE EXISTING WINDOW, FRAME, AND SILL
2	REMOVE EXISTING VESTIBULE WALLS AND ROOF
3	REMOVE EXISTING DOORS, SALVAGE SECURITY HARDWARE FOR REINSTALLATION
4	REMOVE EXISTING WINDOW, FRAME, WOOD RETURNS, AND SILL
5	REMOVE FLOOR SLAB
6	REMOVE SIDEWALK TO CLOSEST CONTROL JOINT



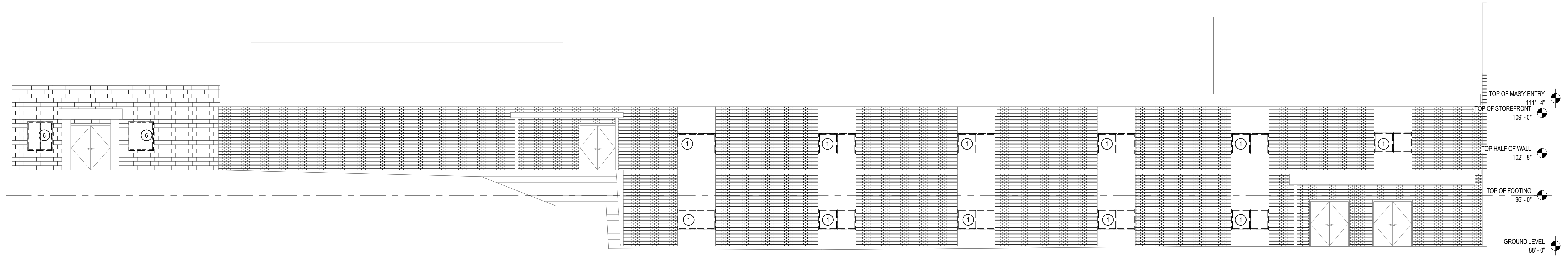
4 ELEVATION WEST CLASSROOMS - DEMOLITION
 1/8" = 1'-0"



3 ELEVATION SOUTH - DEMOLITION
 1/8" = 1'-0"



2 ELEVATION WEST ART/TECH ROOMS - DEMOLITION
 1/8" = 1'-0"

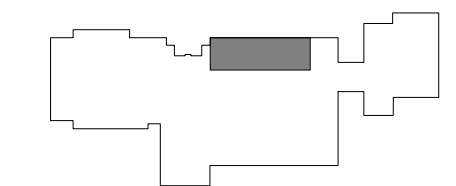
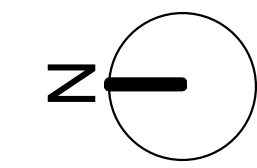


1 ELEVATION EAST - DEMOLITION
 1/8" = 1'-0"

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1 GROUND FLOOR - OVERALL REMODEL PLAN
 1" = 20'-0"



KEY PLAN

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A301

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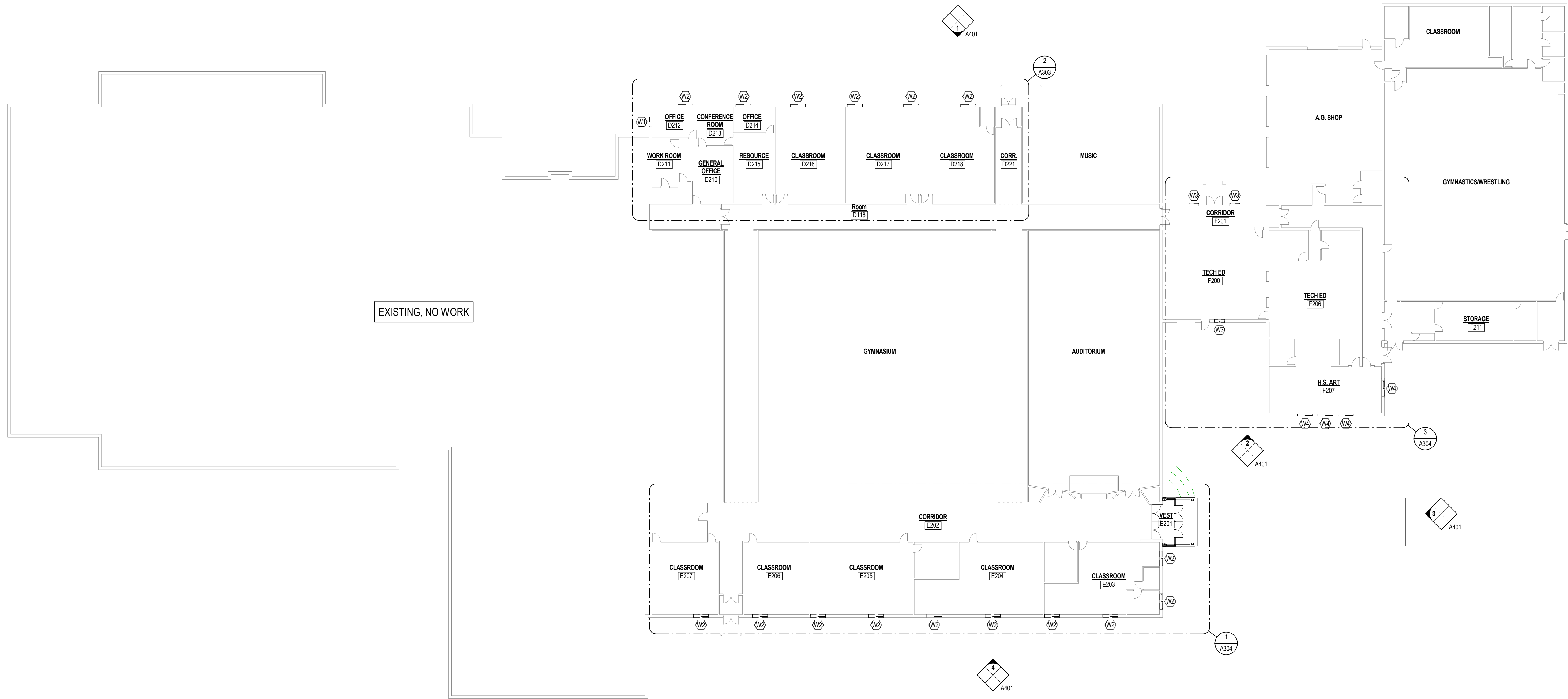
GROUND FLOOR -
 OVERALL REMODEL PLAN

TURTLE LAKE SCHOOL DISTRICT
 WINDOW & ENTRY REPLACE
 205 OAK STREET NORTH
 TURTLE LAKE, WI 54889

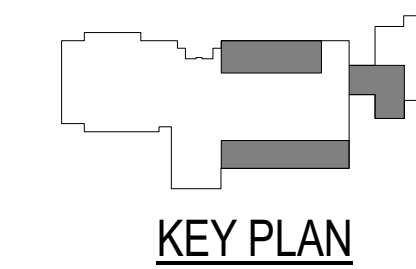
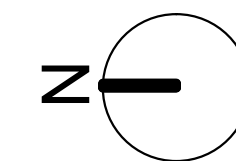
LIEN & PETERSON ARCHITECTS, INC.
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1 FIRST FLOOR - OVERALL REMODEL PLAN
1" = 20'-0"



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TURTLE LAKE SCHOOL DISTRICT
 WINDOW & ENTRY REPLACE
 205 OAK STREET NORTH
 TURTLE LAKE, WI 54889

FIRST FLOOR - OVERALL
 REMODEL PLAN

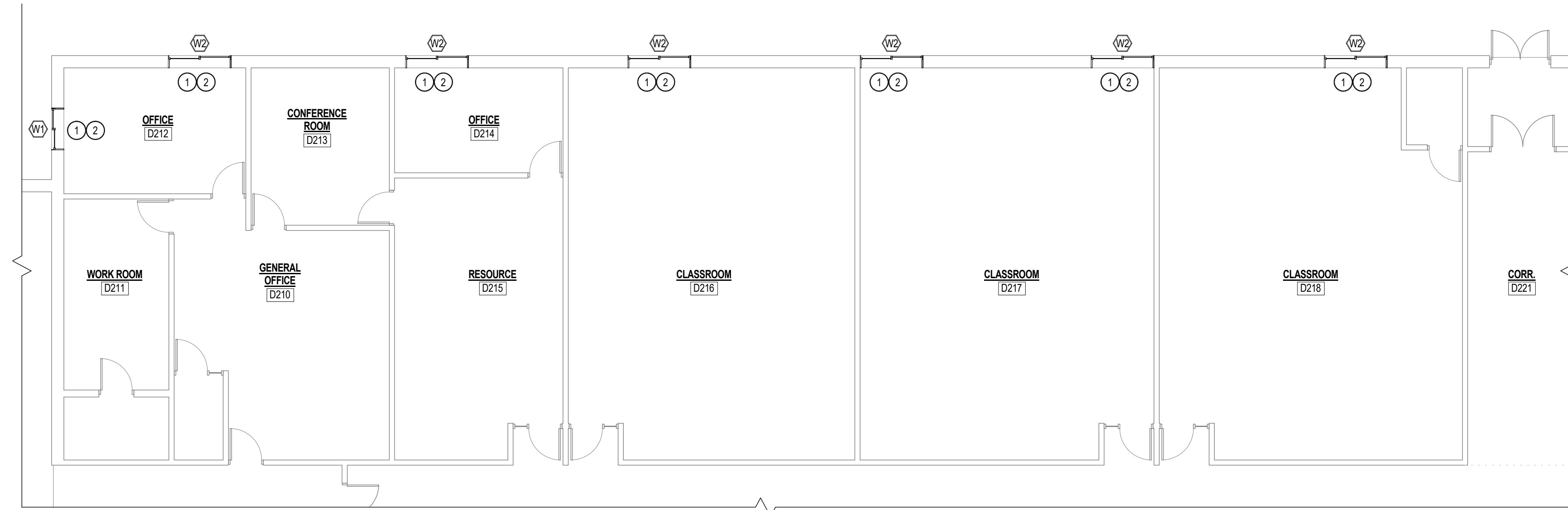
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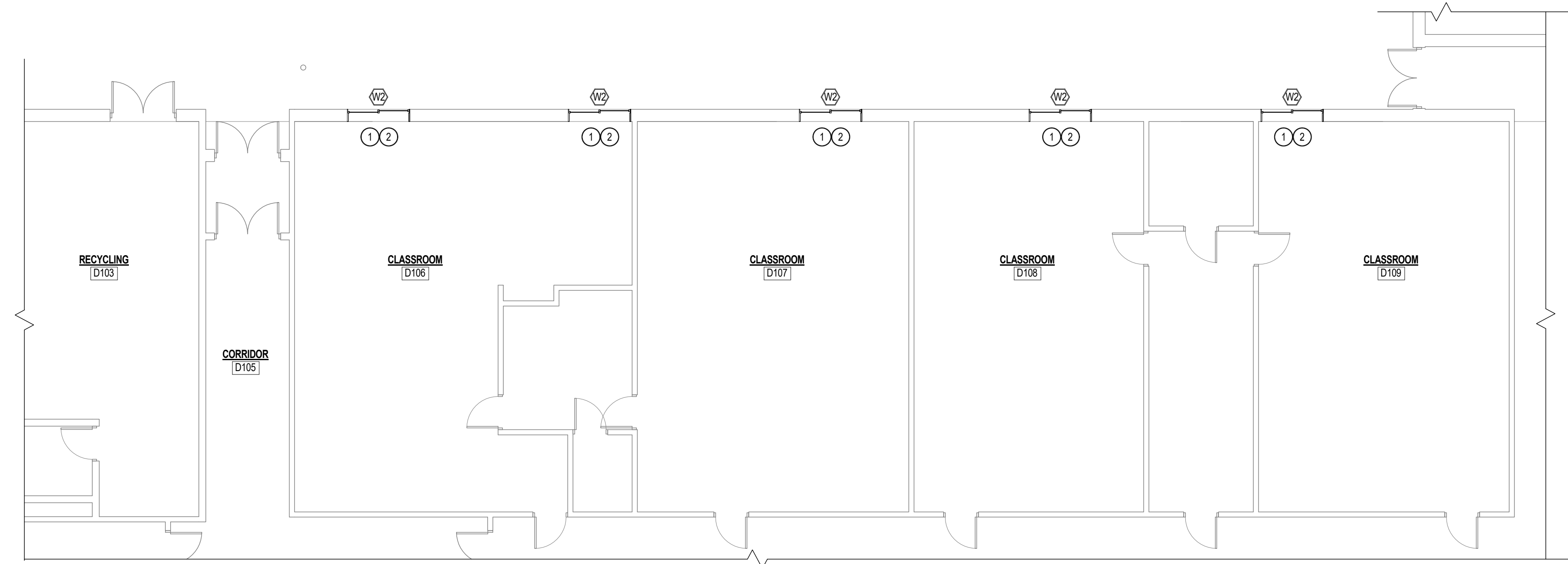
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 2dip PROJECT # 1730

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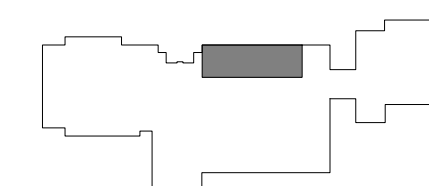
KEYED FLOOR PLAN NOTES	
Mark	Note
1	NEW SILL
2	CAULK AND TOUCH UP PAINT AT INTERIOR



2 FIRST FLOOR PLAN - AREA D REMODEL
1/8" = 1'-0"



1 GROUND FLOOR PLAN - AREA D REMODEL
1/8" = 1'-0"



KEY PLAN



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WINDOW & ENTRY REPLACE
205 OAK STREET NORTH
TURTLE LAKE, WI 54889

GROUND FLOOR - AREA D
REMODEL, FIRST FLOOR
PLAN-AREA D REMODEL

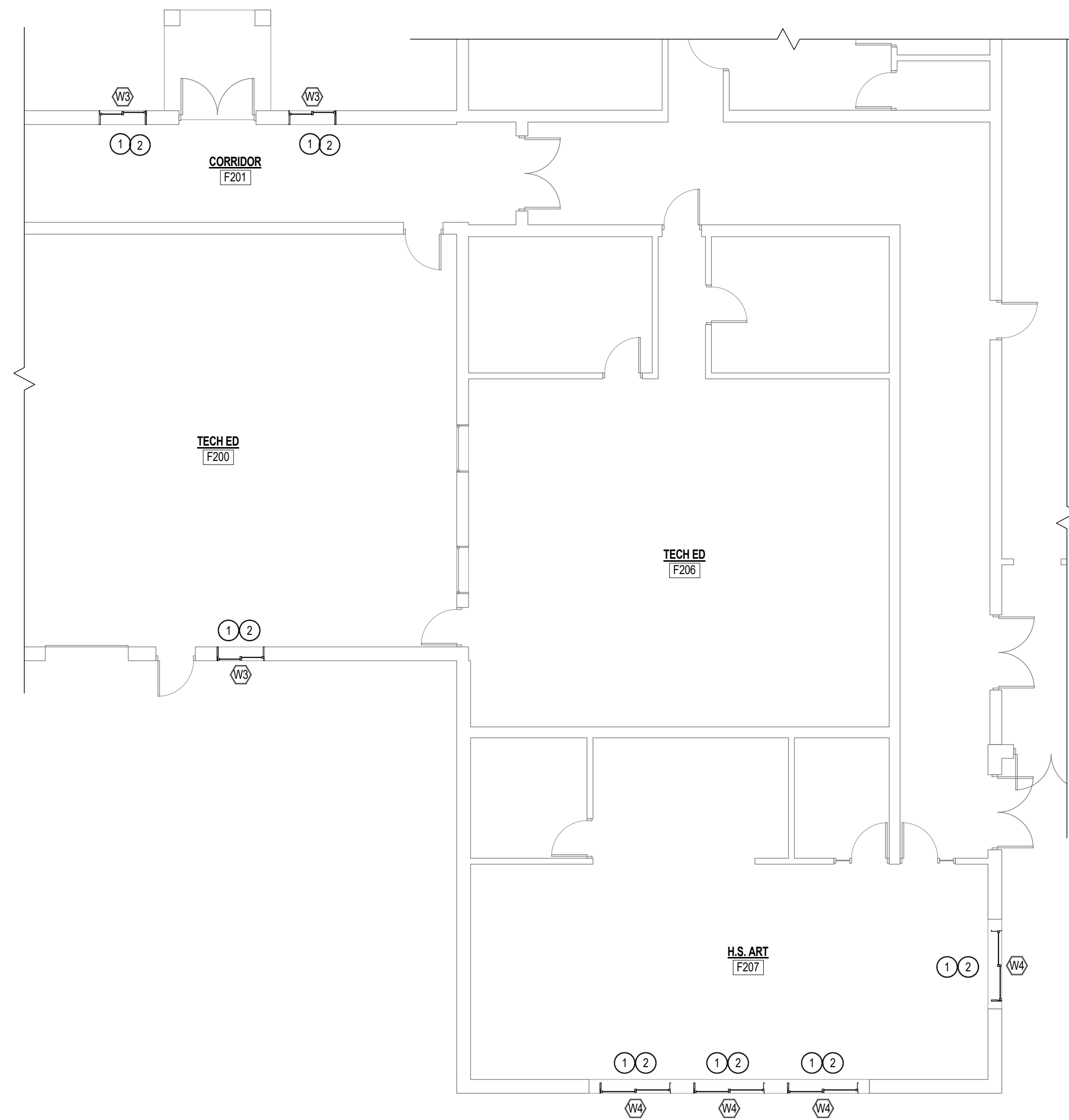
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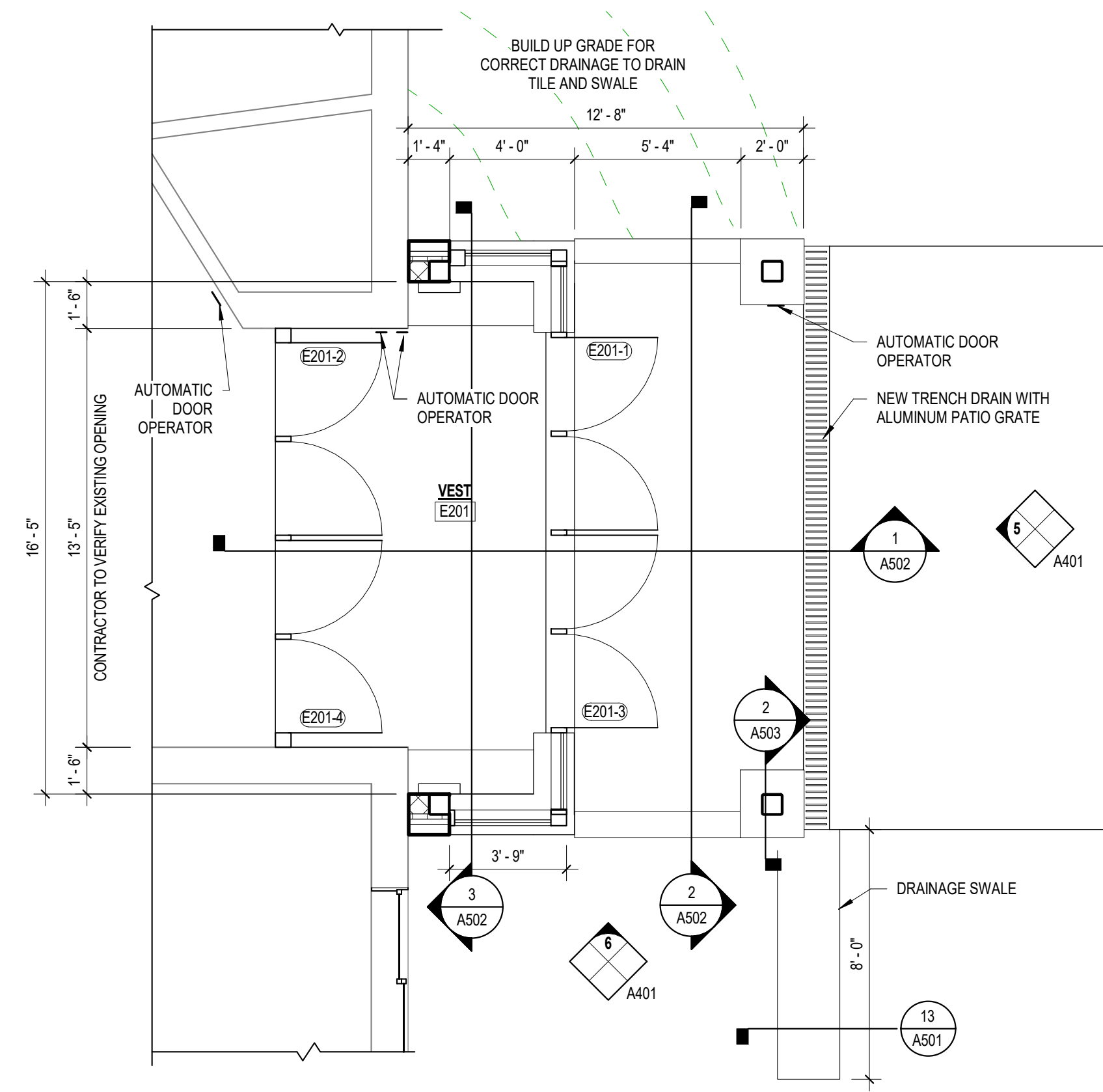
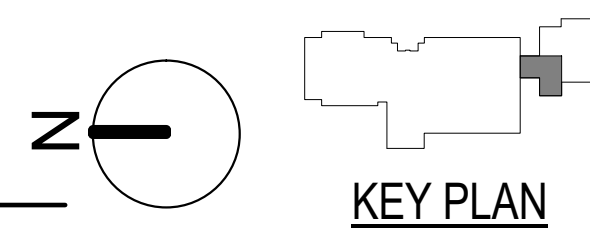
A303

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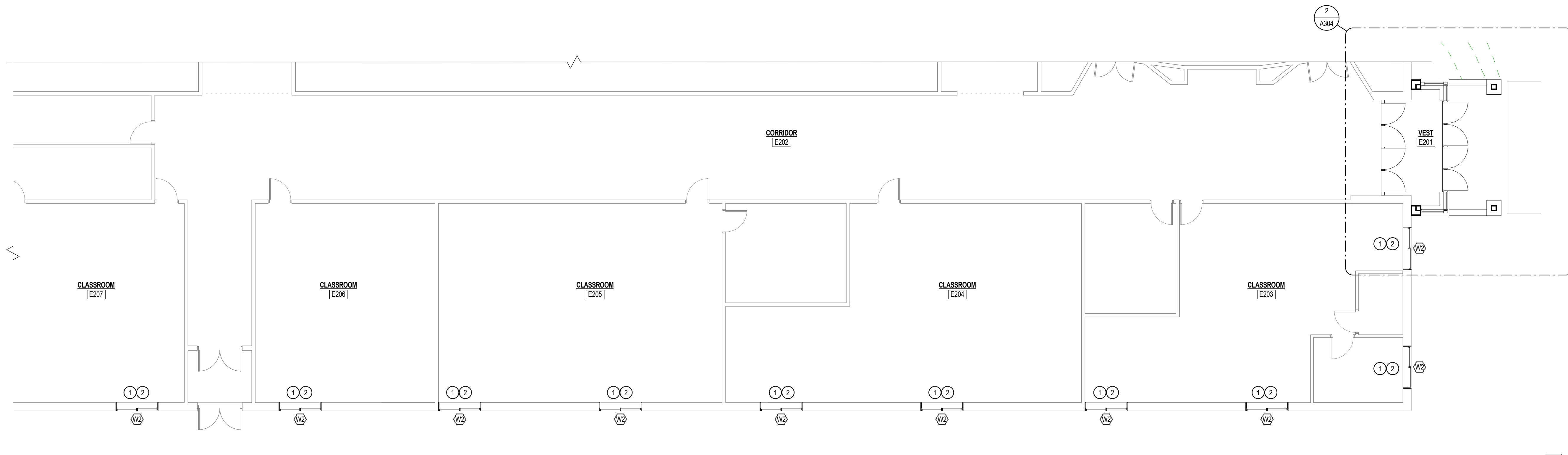


3 FIRST FLOOR PLAN - AREA F REMODEL
1/8" = 1'-0"

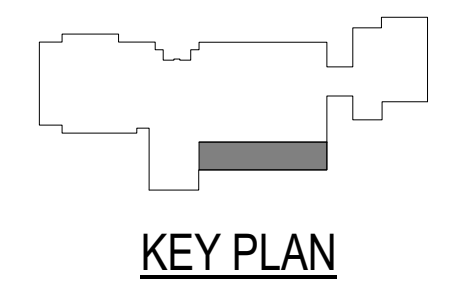


2 NEW ENTRY FLOOR PLAN
1/4" = 1'-0"

KEYED FLOOR PLAN NOTES	
Mark	Note
1	NEW SILL
2	CAULK AND TOUCH UP PAINT AT INTERIOR



1 FIRST FLOOR PLAN - AREA E REMODEL
1/8" = 1'-0"



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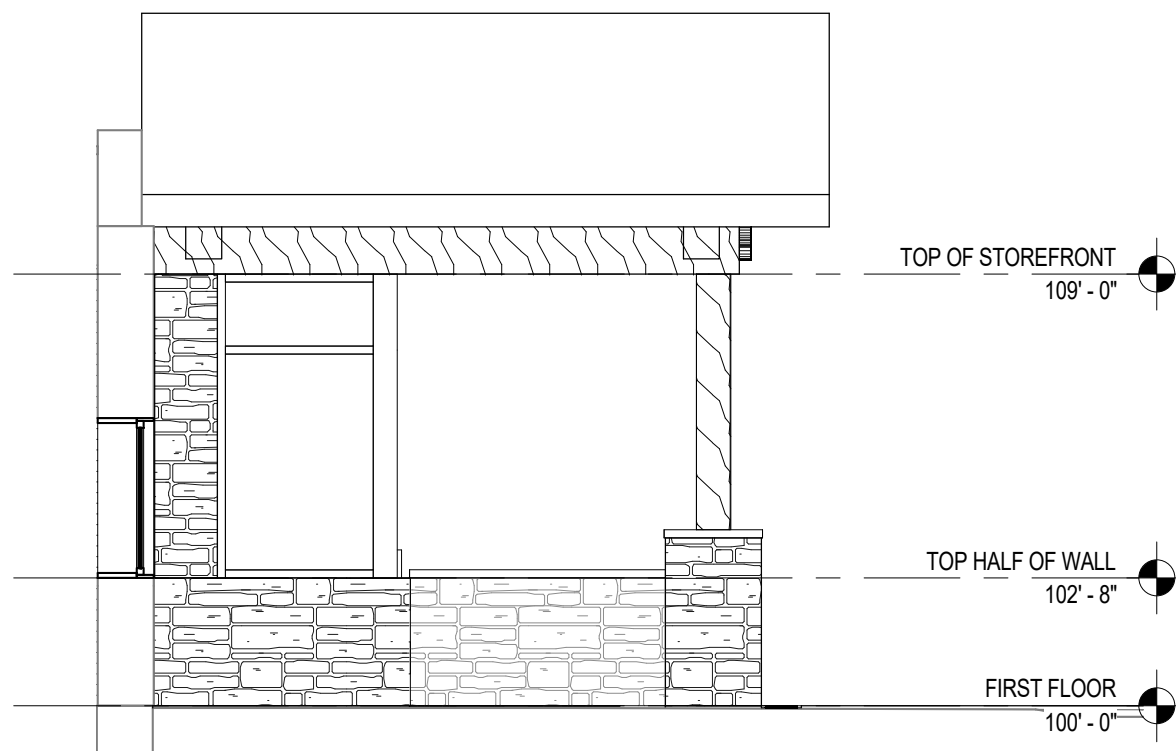
FIRST FLOOR - AREAS E & F REMODEL, NEW ENTRY FLOOR PLAN

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NOVEMBER 13, 2017

A304

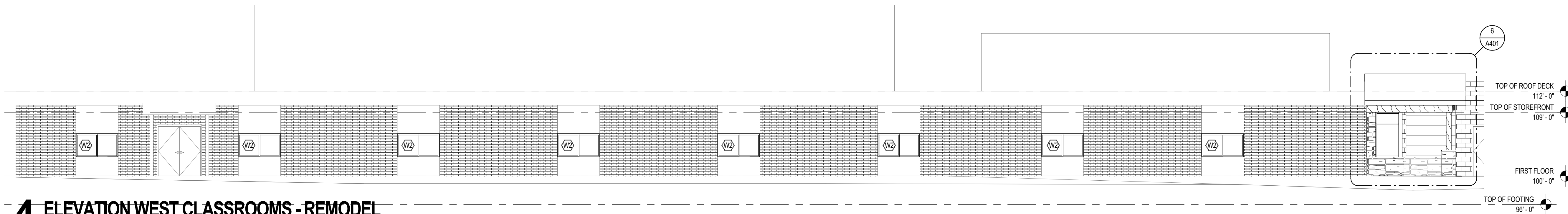
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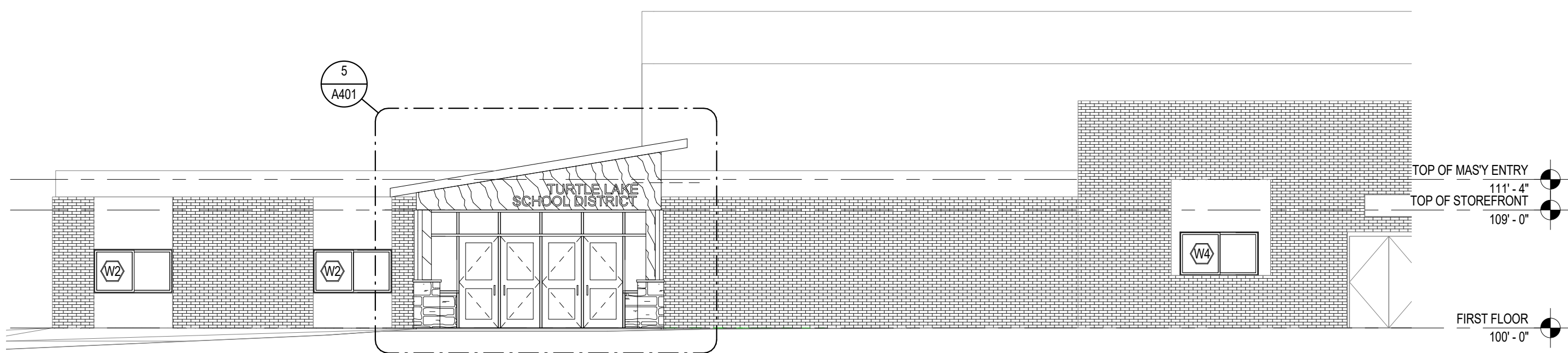
6 ENTRY - SIDE ELEVATION
1/4" = 1'-0"



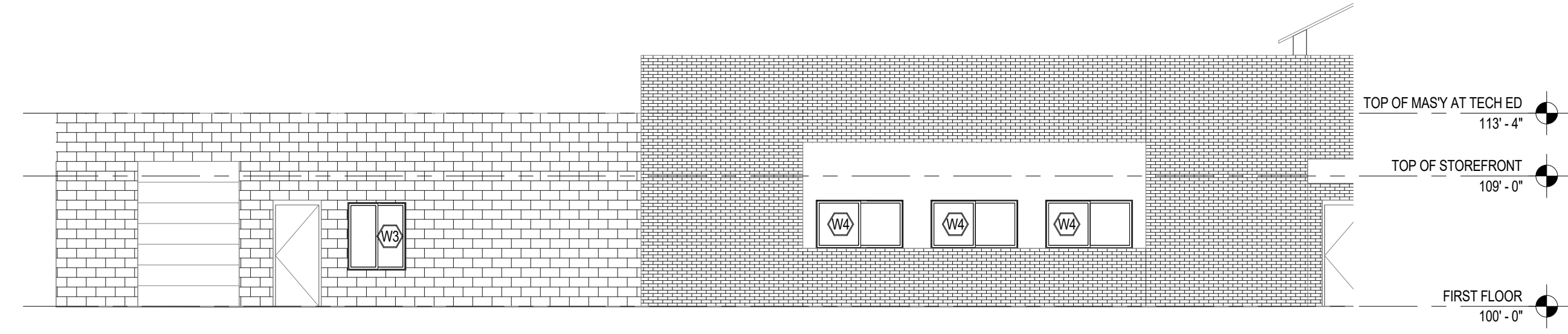
5 ENTRY - FRONT ELEVATION
1/4" = 1'-0"



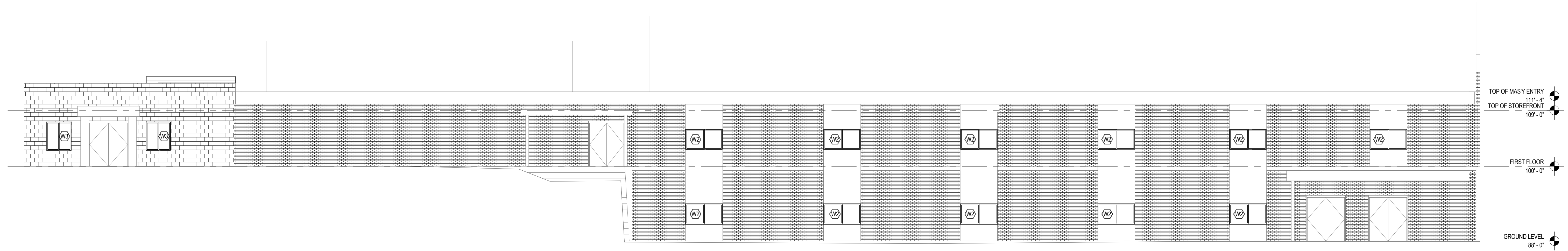
4 ELEVATION WEST CLASSROOMS - REMODEL
1/8" = 1'-0"



3 ELEVATION SOUTH - REMODEL
1/8" = 1'-0"



2 ELEVATION WEST ART/TECH ROOMS - REMODEL
1/8" = 1'-0"



1 ELEVATION EAST - REMODEL
1/8" = 1'-0"



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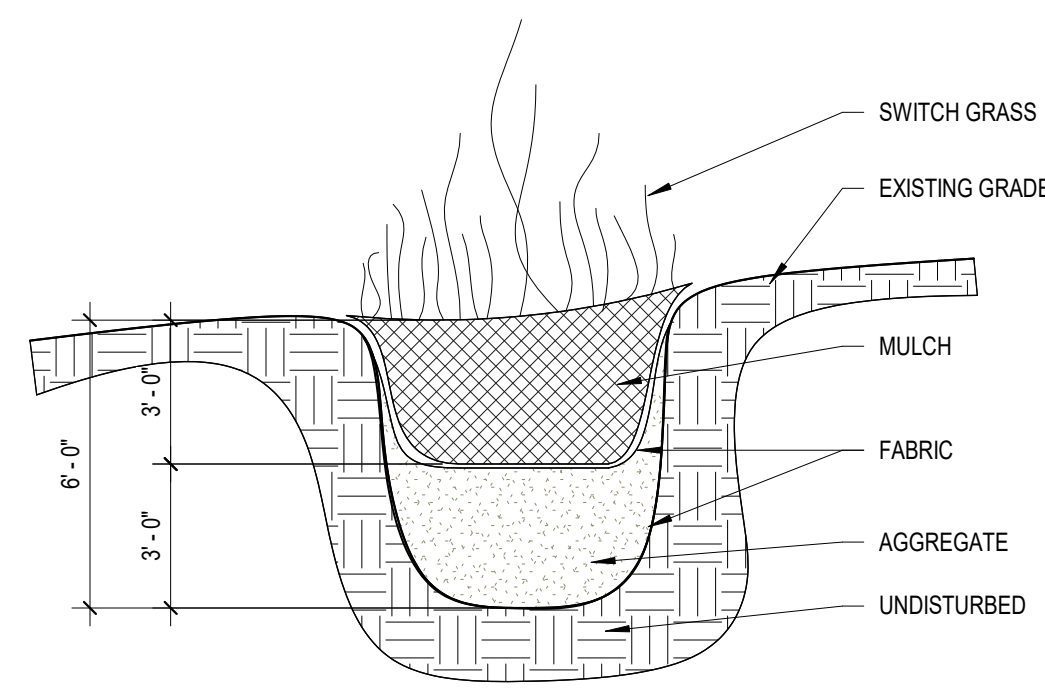
EXTERIOR ELEVATIONS -
REMODEL

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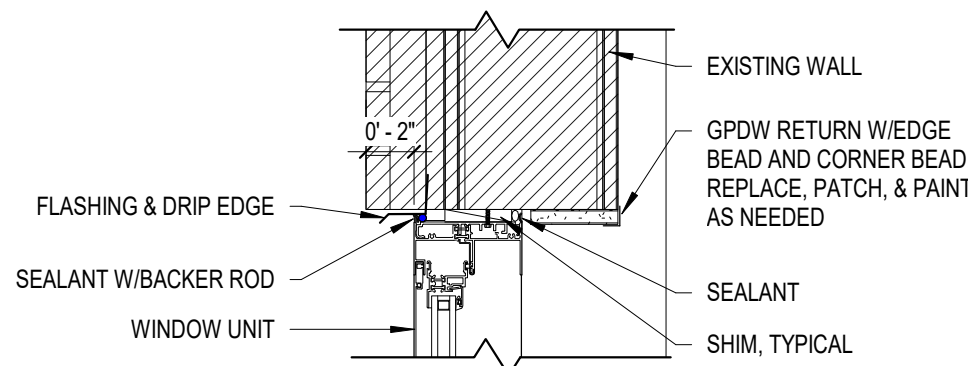
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A401

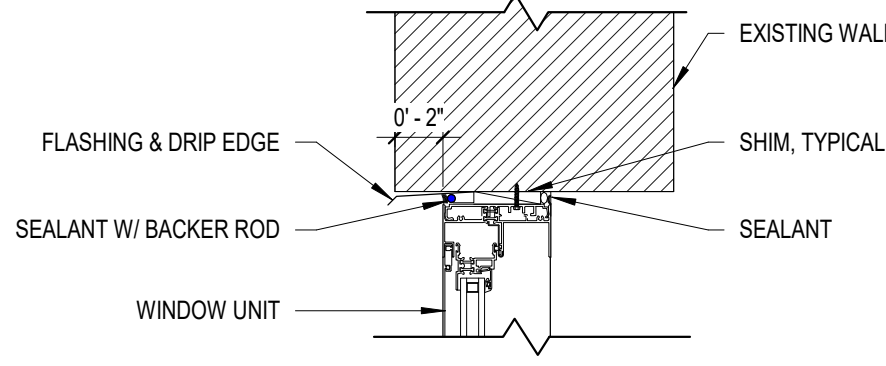
2dip PROJECT # 1730



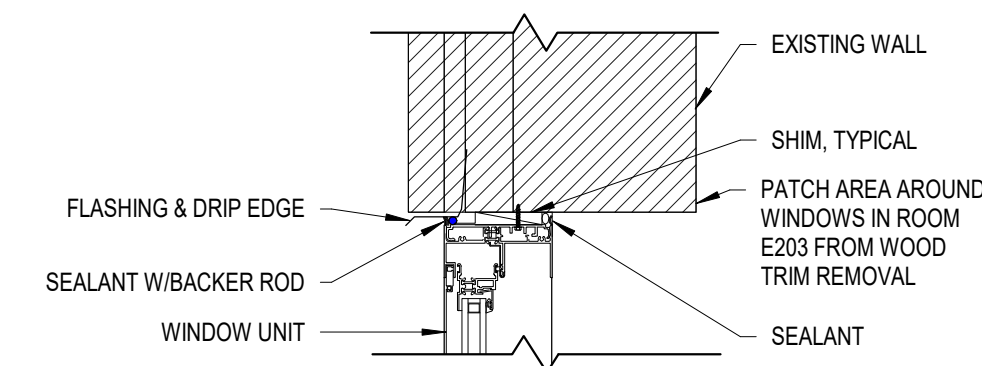
13 RAIN GARDEN DETAIL
1/4" = 1'-0"



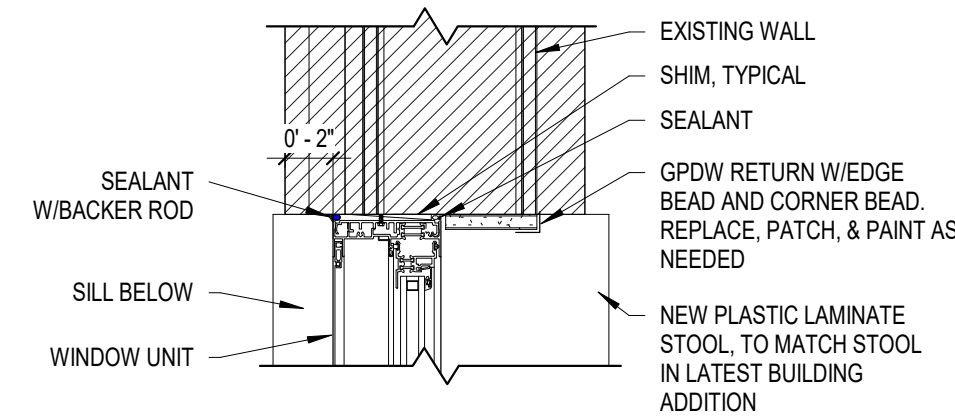
12 ART ROOM HEAD DETAIL
1 1/2" = 1'-0"



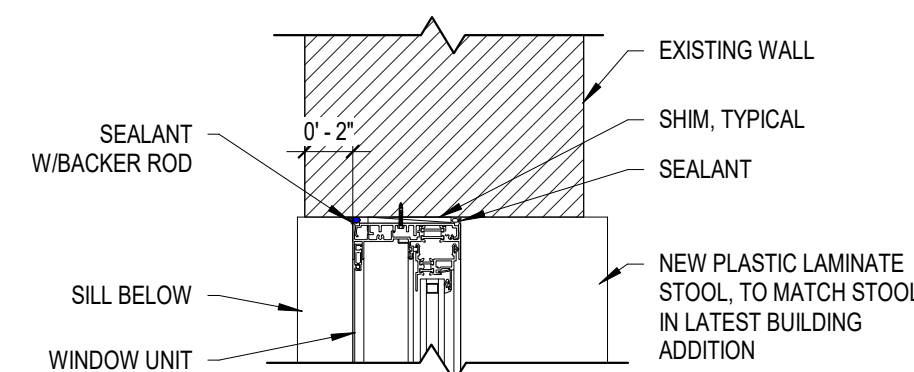
11 TYP. EXIST. CMU HEAD DETAIL
1 1/2" = 1'-0"



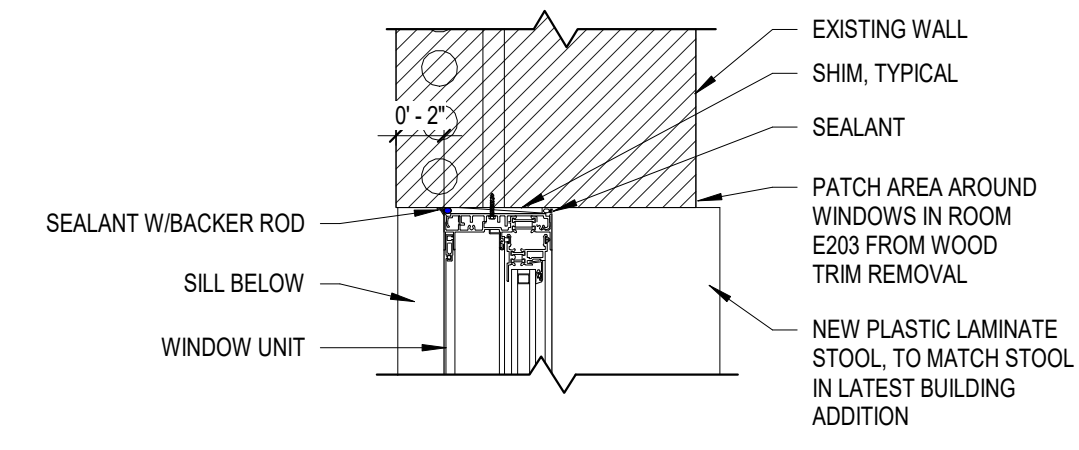
10 STANDARD HEAD DETAIL
1 1/2" = 1'-0"



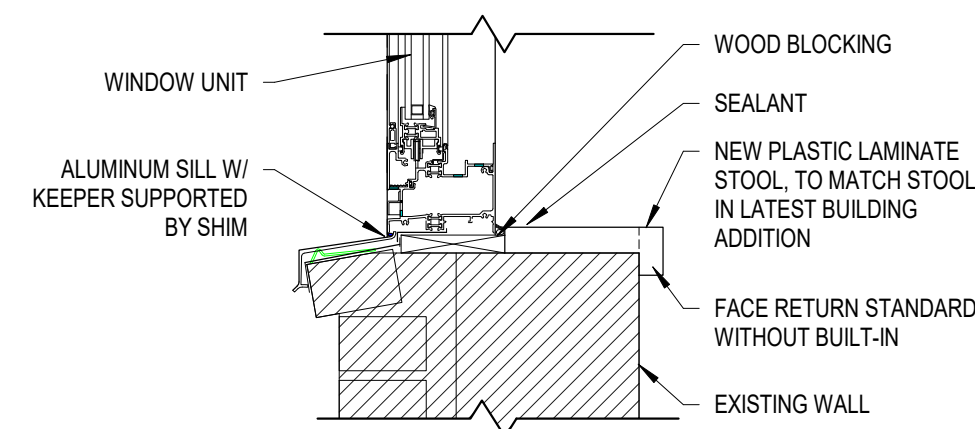
9 ART ROOM JAMB DETAIL
1 1/2" = 1'-0"



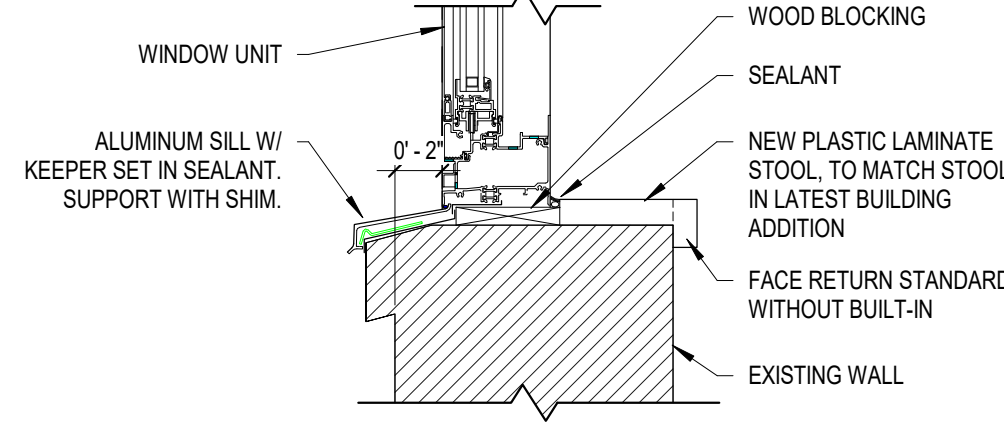
8 TYP. EXIST. CMU JAMB DETAIL
1 1/2" = 1'-0"



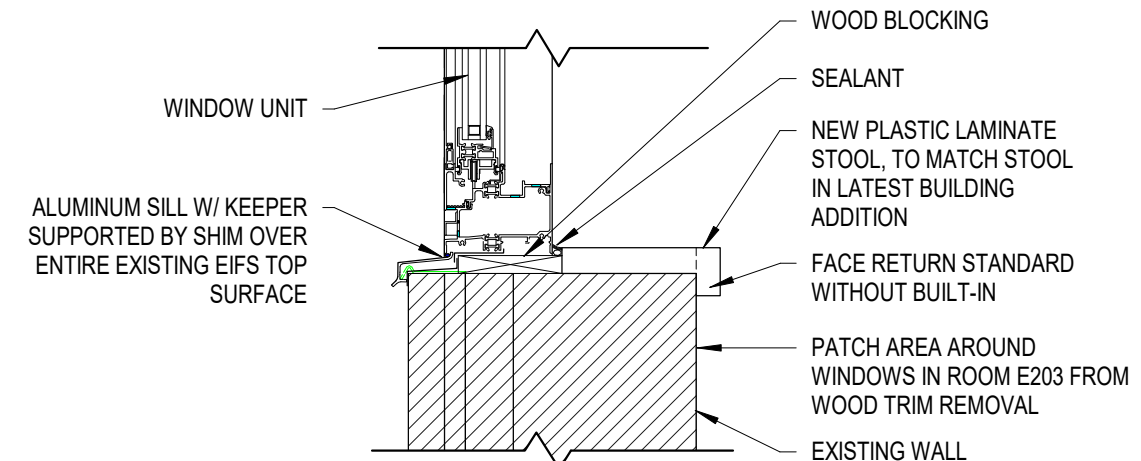
7 STANDARD JAMB DETAIL
1 1/2" = 1'-0"



6 ART ROOM SILL DETAIL
1 1/2" = 1'-0"



5 TYP. EXIST. CMU SILL DETAIL
1 1/2" = 1'-0"

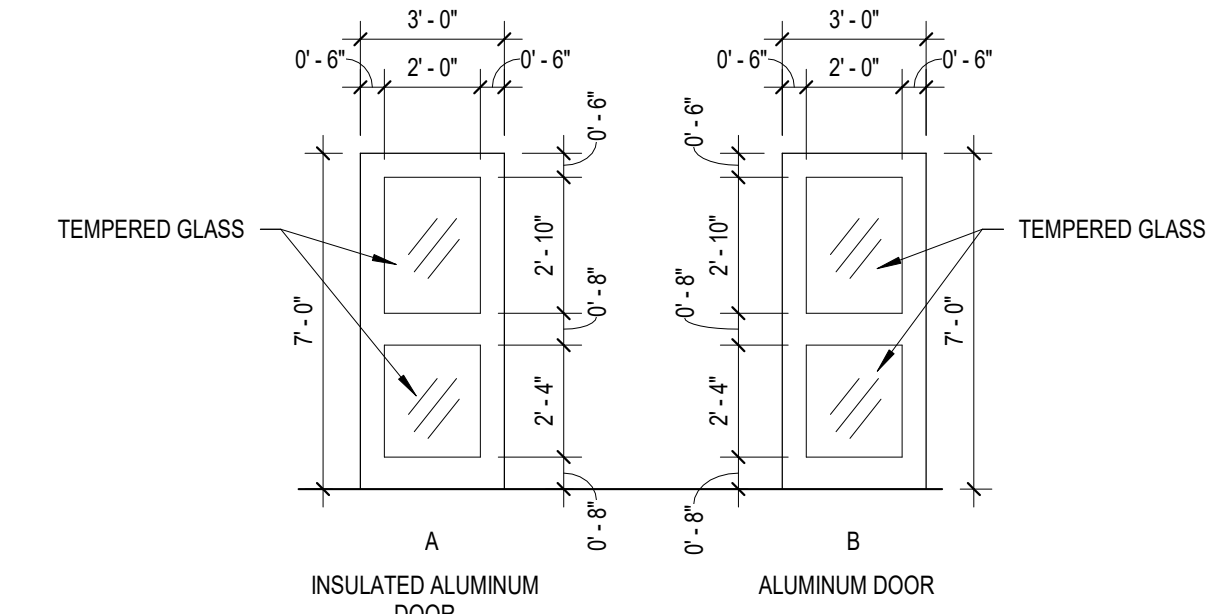


4 STANDARD SILL DETAIL
1 1/2" = 1'-0"

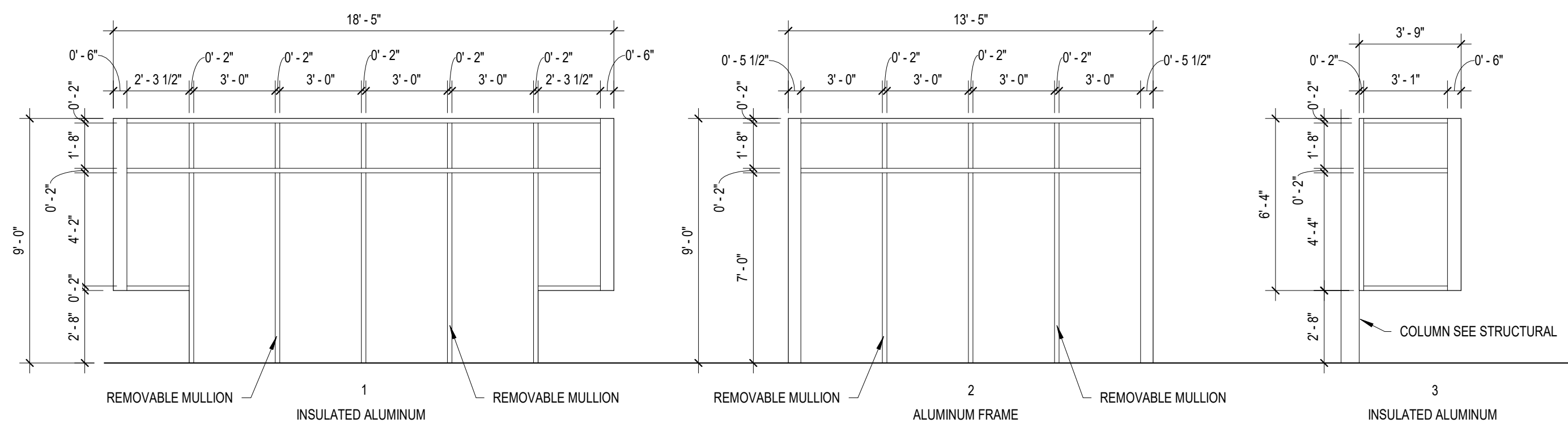
ROOM FINISH SCHEDULE									
NO.	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH				CEILING FINISH	KEYED NOTES
				NORTH	EAST	SOUTH	WEST		
E201	VEST	CARPET TILE		EXISTING	PAINTED CMU	PAINTED CMU	PAINTED CMU	ACT-1	

WINDOW SCHEDULE									
MARK	WIDTH	HEIGHT	SILL HEIGHT	DETAIL			NOTES		
				HEAD	JAMB	SILL			
W1	4'-0"	4'-0"	2'-8"	10/A501	7/A501	4/A501	DOUBLE PAIN, W/LOW-E, ARGON FILLED, TINTED		
W2	6'-0"	3'-4"	2'-8"	10/A501	7/A501	4/A501	DOUBLE PAIN, W/LOW-E, ARGON FILLED, TINTED		
W3	4'-0"	4'-8"	2'-6"	11/A501	8/A501	5/A501	DOUBLE PAIN, W/LOW-E, ARGON FILLED, TINTED		
W4	6'-0"	3'-4"	4'-0"	12/A501	9/A501	6/A501	DOUBLE PAIN, W/LOW-E, ARGON FILLED, TINTED		

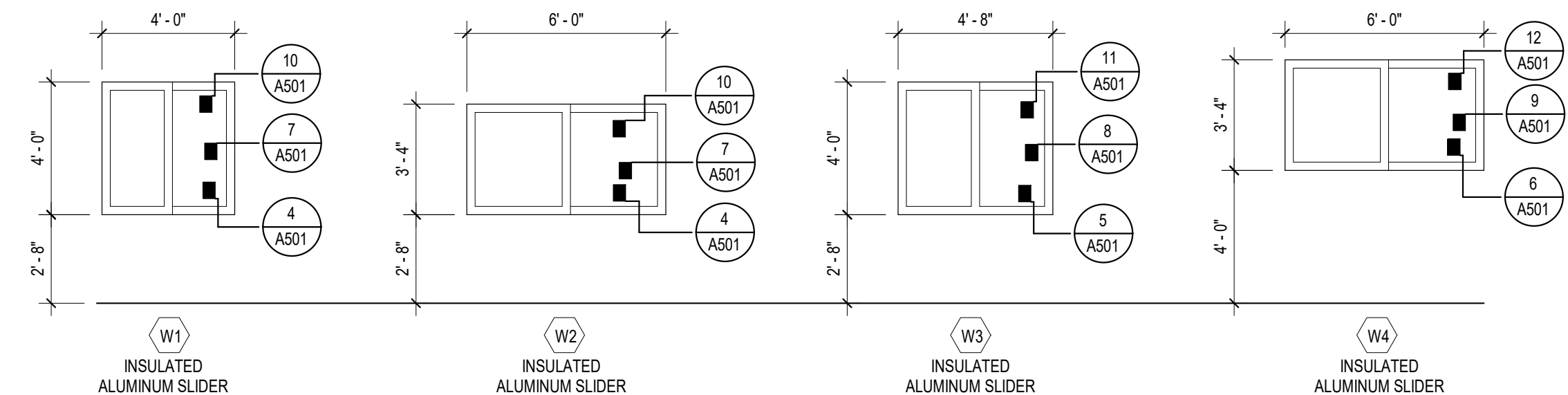
DOOR SCHEDULE									
NO.	TYPE	DOOR		FRAME			FIRE RATING	HARDWARE	NOTES
		WIDTH	HEIGHT	TYPE	HEAD	JAMB			
E201-1	A	3'-0"	7'-0"	1	5/A502	3/A503	4/A502	NONE	GROUP 1 REINSTALL SALVAGED HARDWARE
E201-2	B	3'-0"	7'-0"	2				NONE	GROUP 2 REINSTALL SALVAGED HARDWARE
E201-3	A	3'-0"	7'-0"	1	5/A502	3/A503	4/A502	NONE	GROUP 3
E201-4	B	3'-0"	7'-0"	2				NONE	GROUP 4



3 DOOR TYPE
1/4" = 1'-0"



2 STOREFRONT WALL TYPES
1/4" = 1'-0"



1 WINDOW TYPES
1/4" = 1'-0"



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TURTLE LAKE SCHOOL DISTRICT
WINDOW & ENTRY REPLACE
205 OAK STREET NORTH
TURTLE LAKE, WI 54889

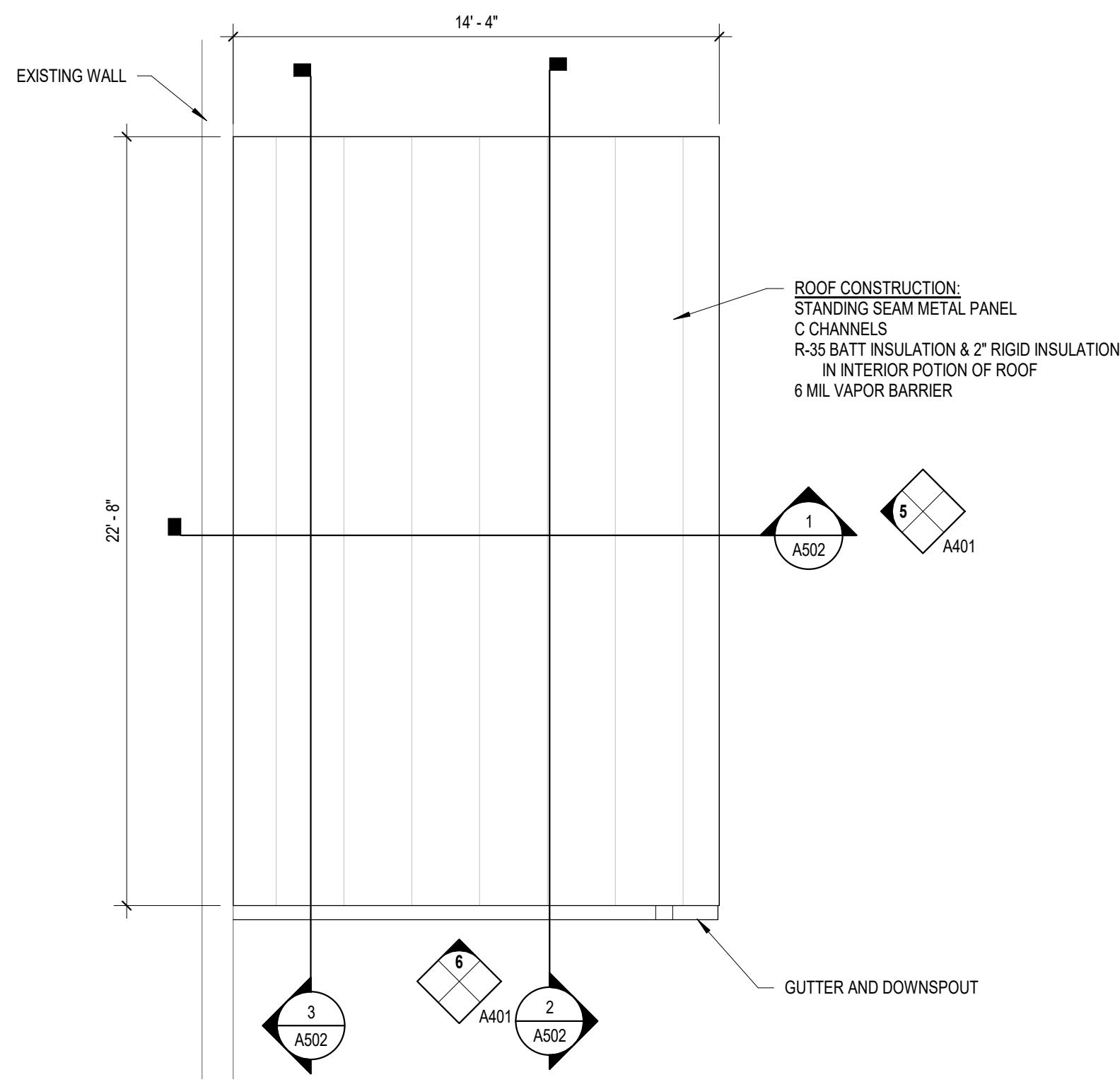
**WINDOW TYPES,
STOREFRONT WALL
TYPES, DOOR TYPES,
DETAILS, SCHEDULE**

REVISIONS:	NO.	DATE

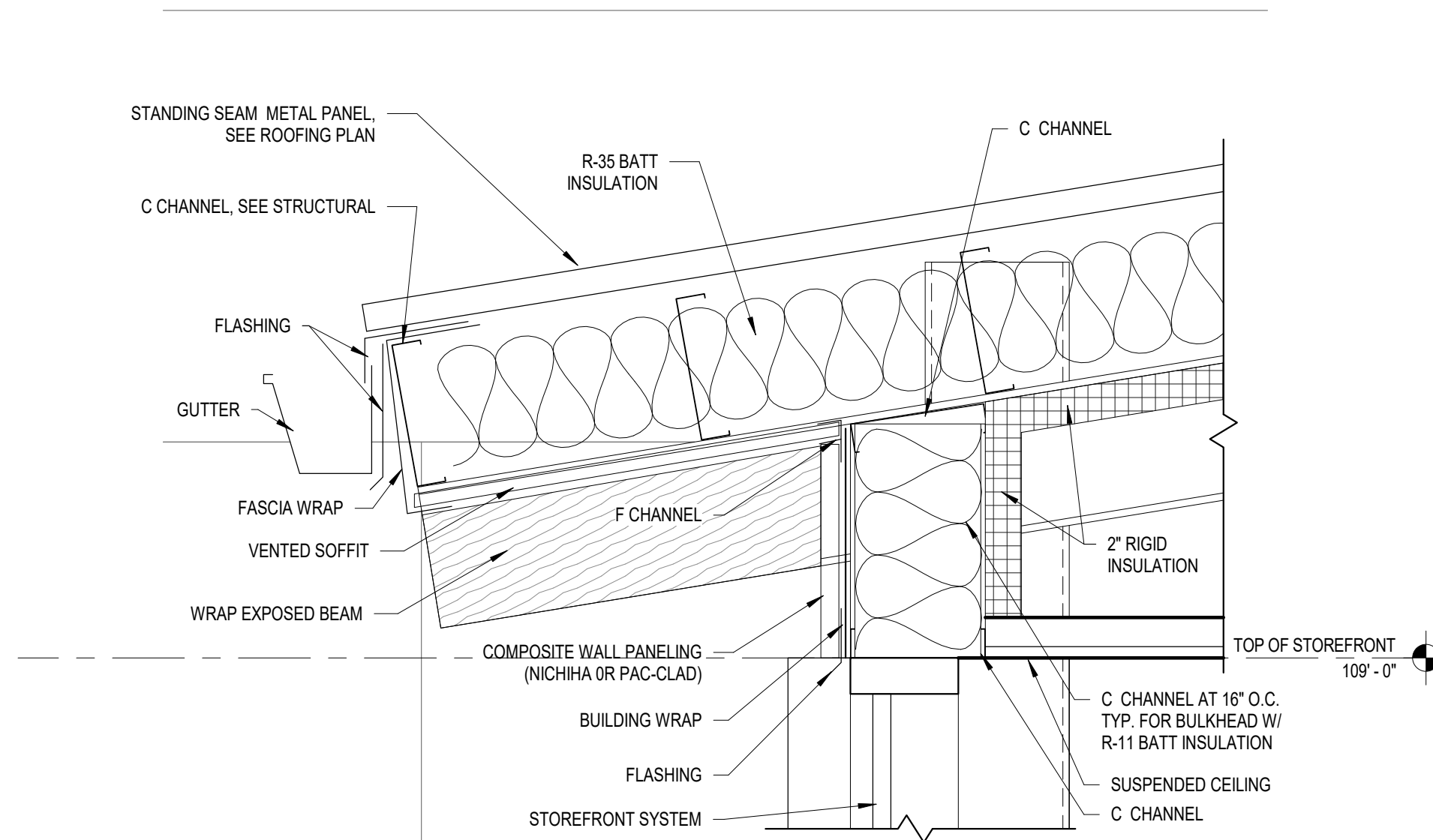
ISSUE DATE:
NOVEMBER 13, 2017

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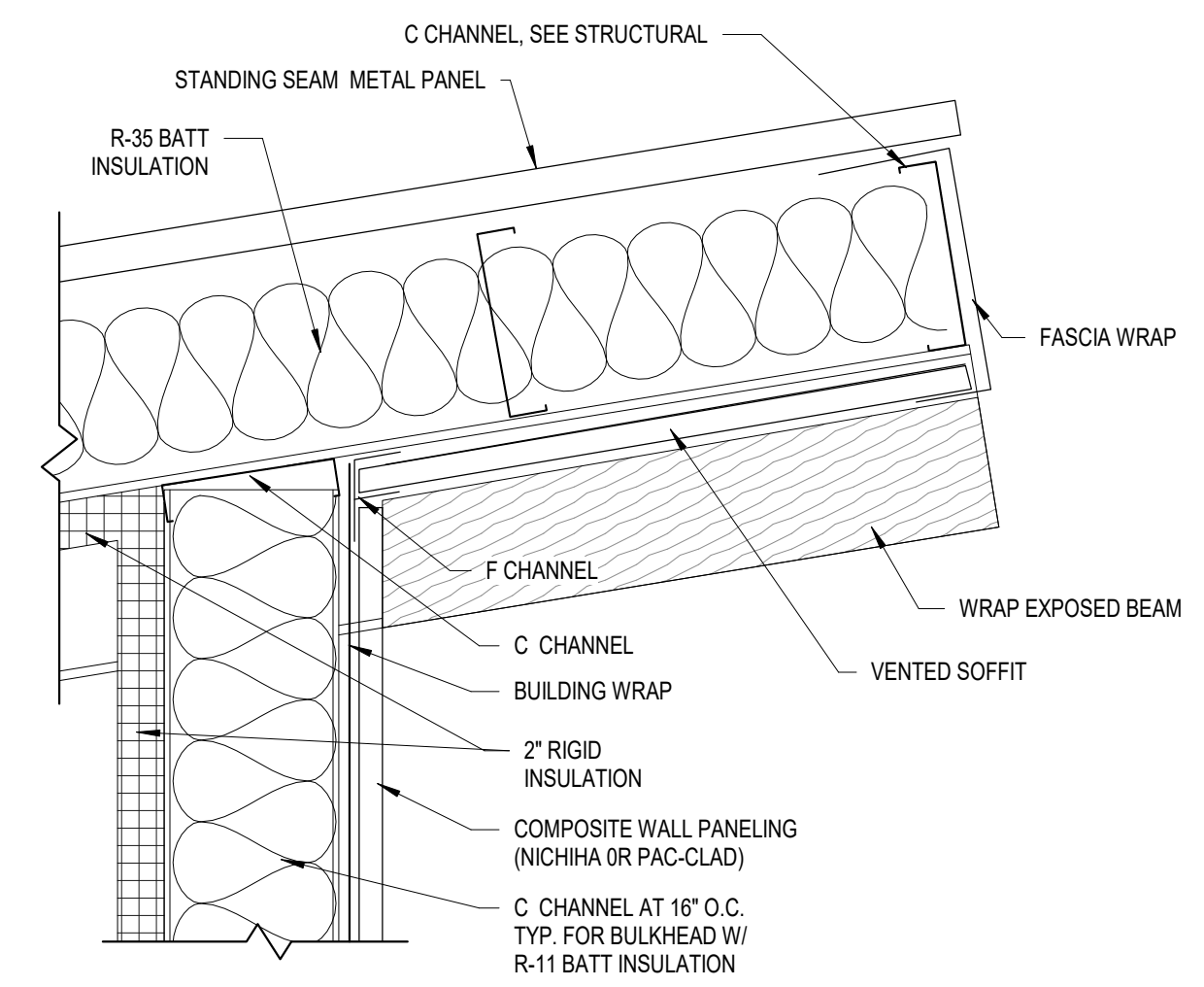
2dip PROJECT # 1730



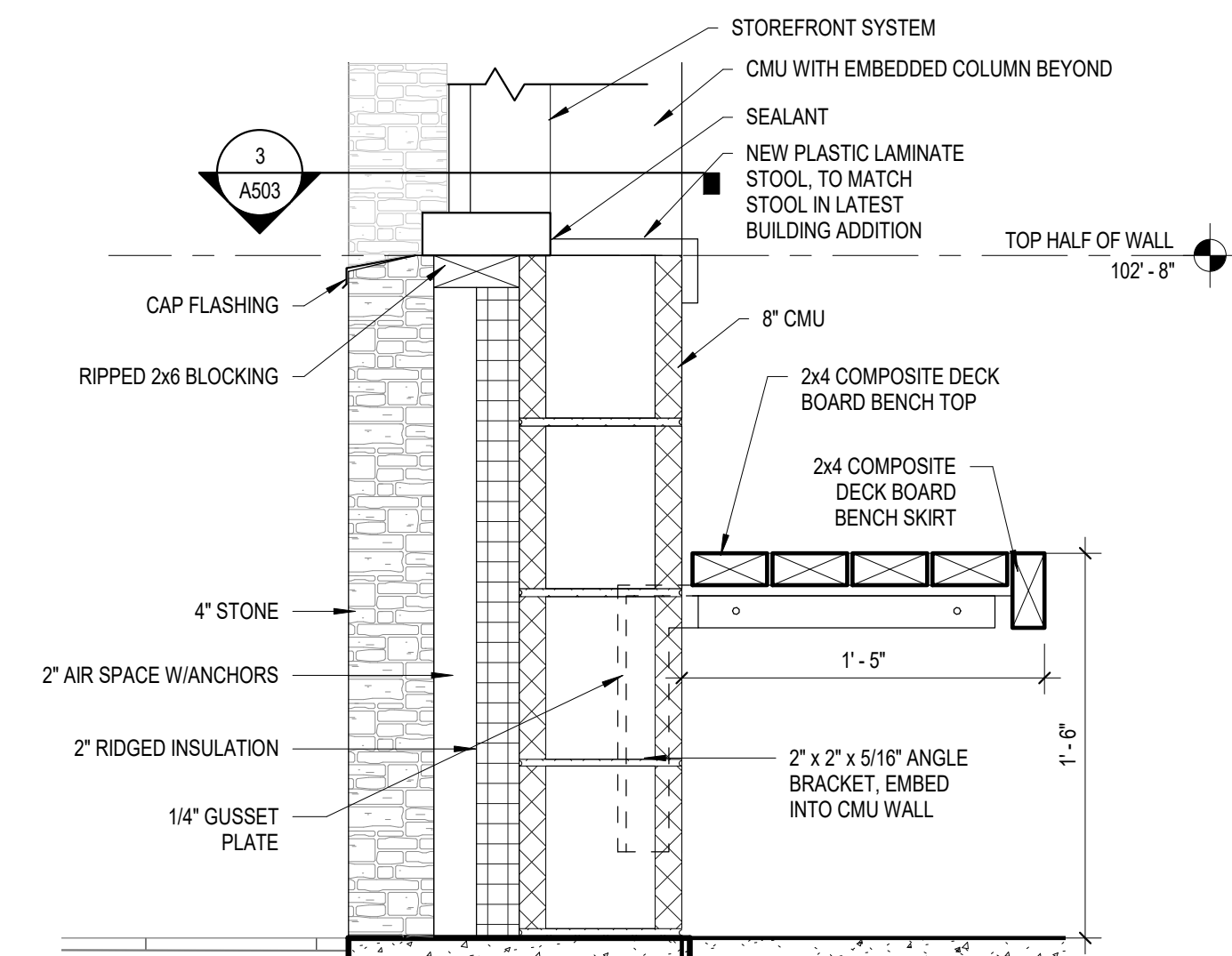
6 NEW ENTRY ROOF PLAN
1/4" = 1'-0"



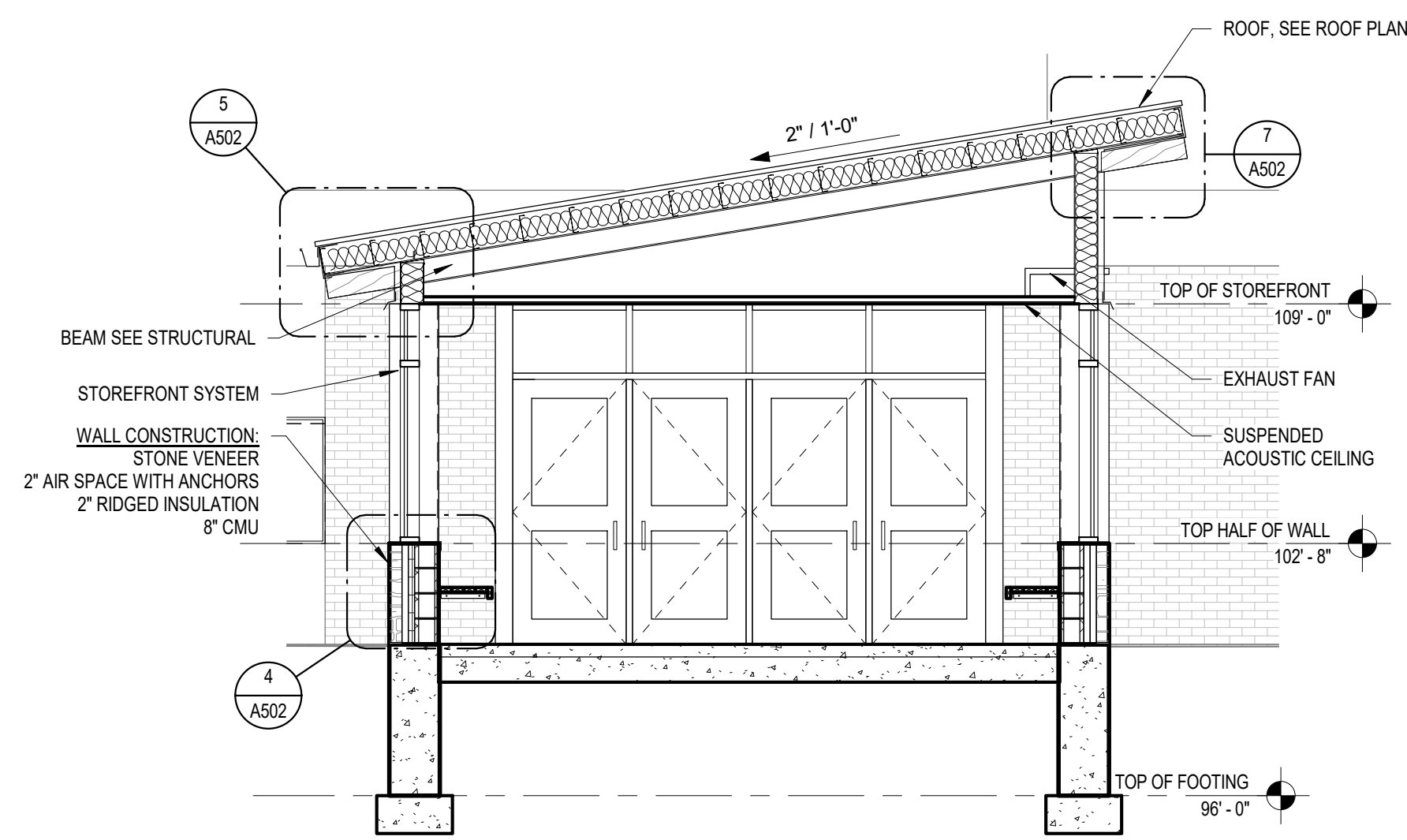
5 LOW ROOF DETAIL
1 1/2" = 1'-0"



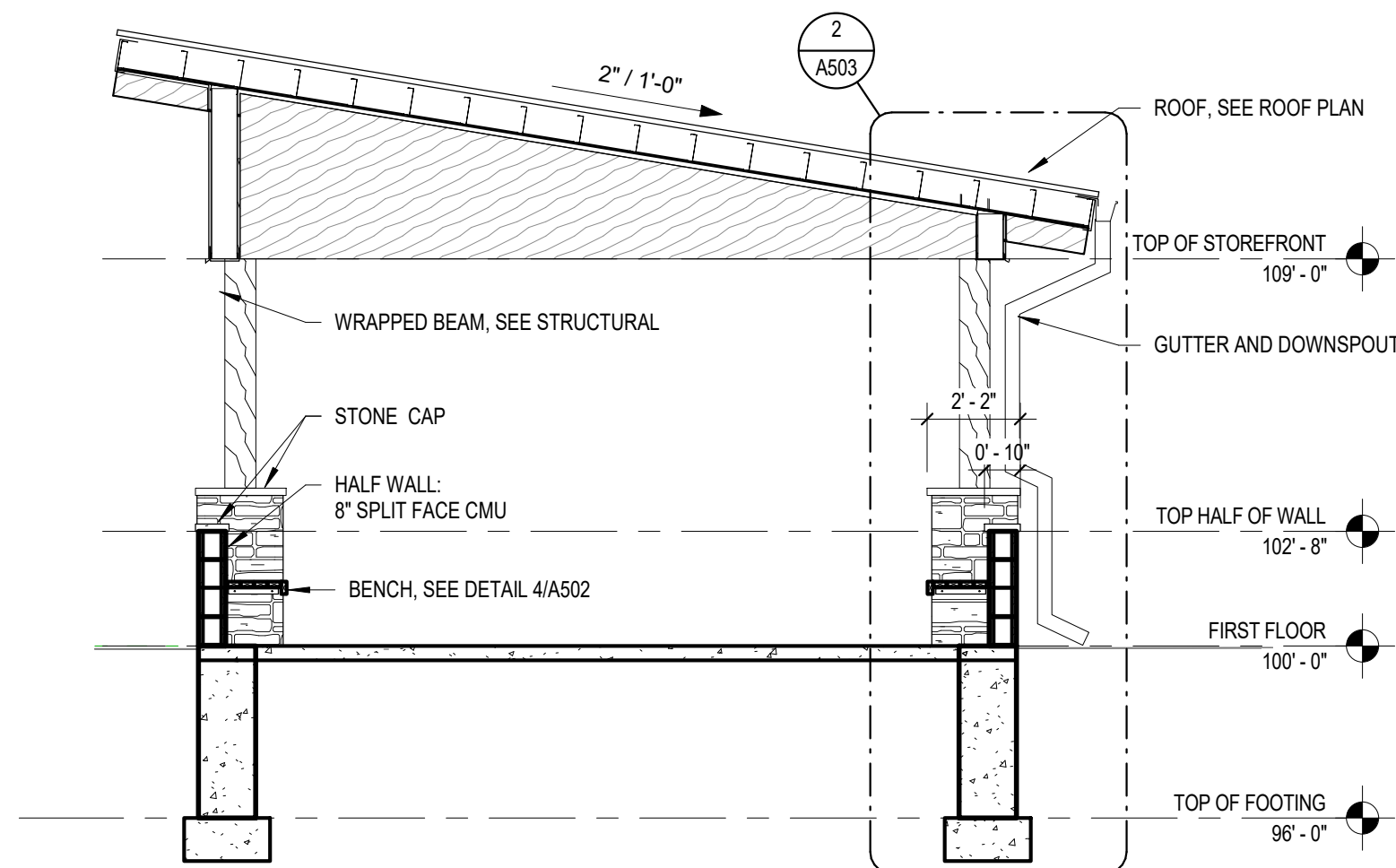
7 HIGH ROOF DETAIL
1 1/2" = 1'-0"



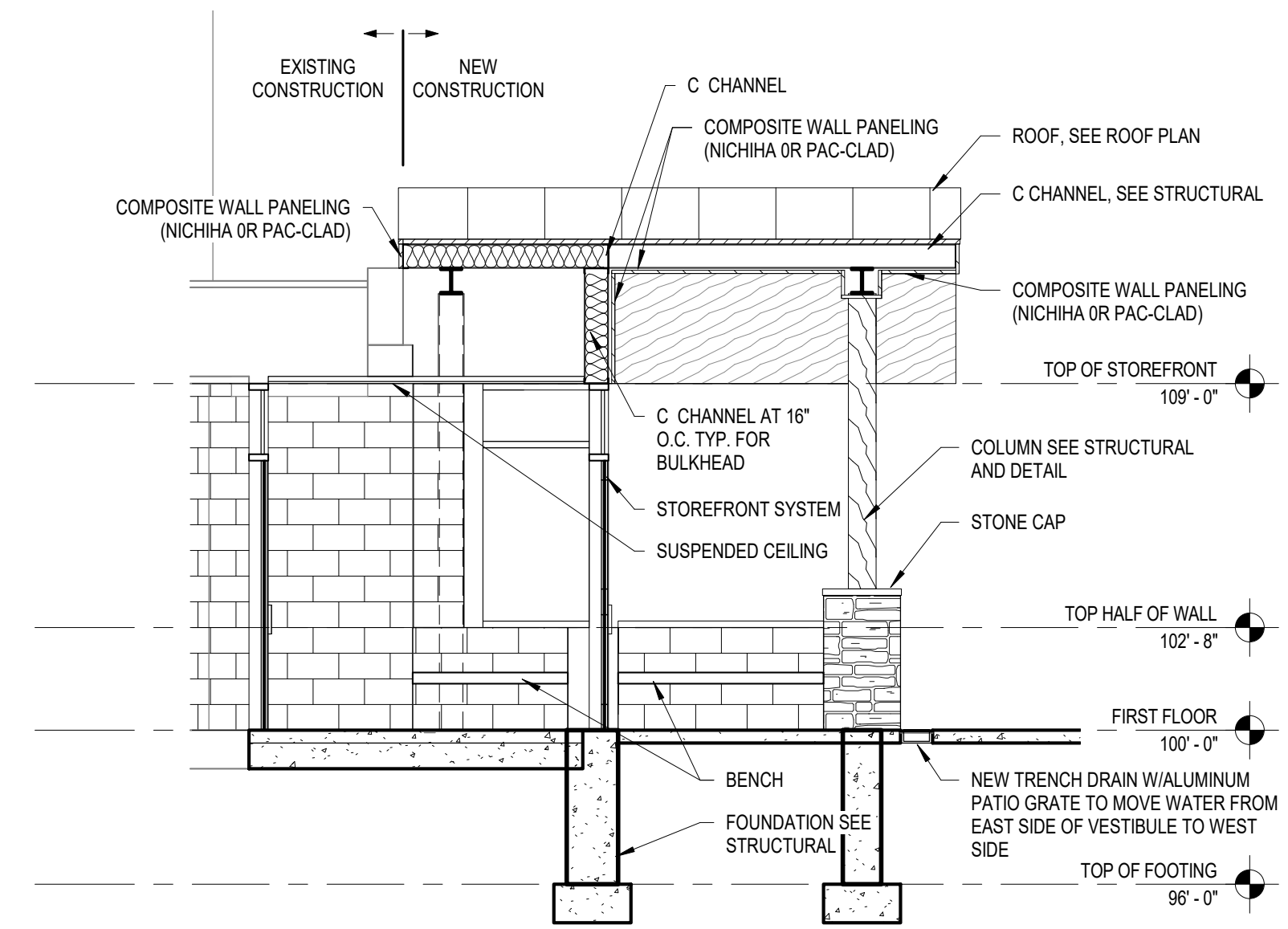
4 STOREFRONT @ HALF WALL DETAIL
1 1/2" = 1'-0"



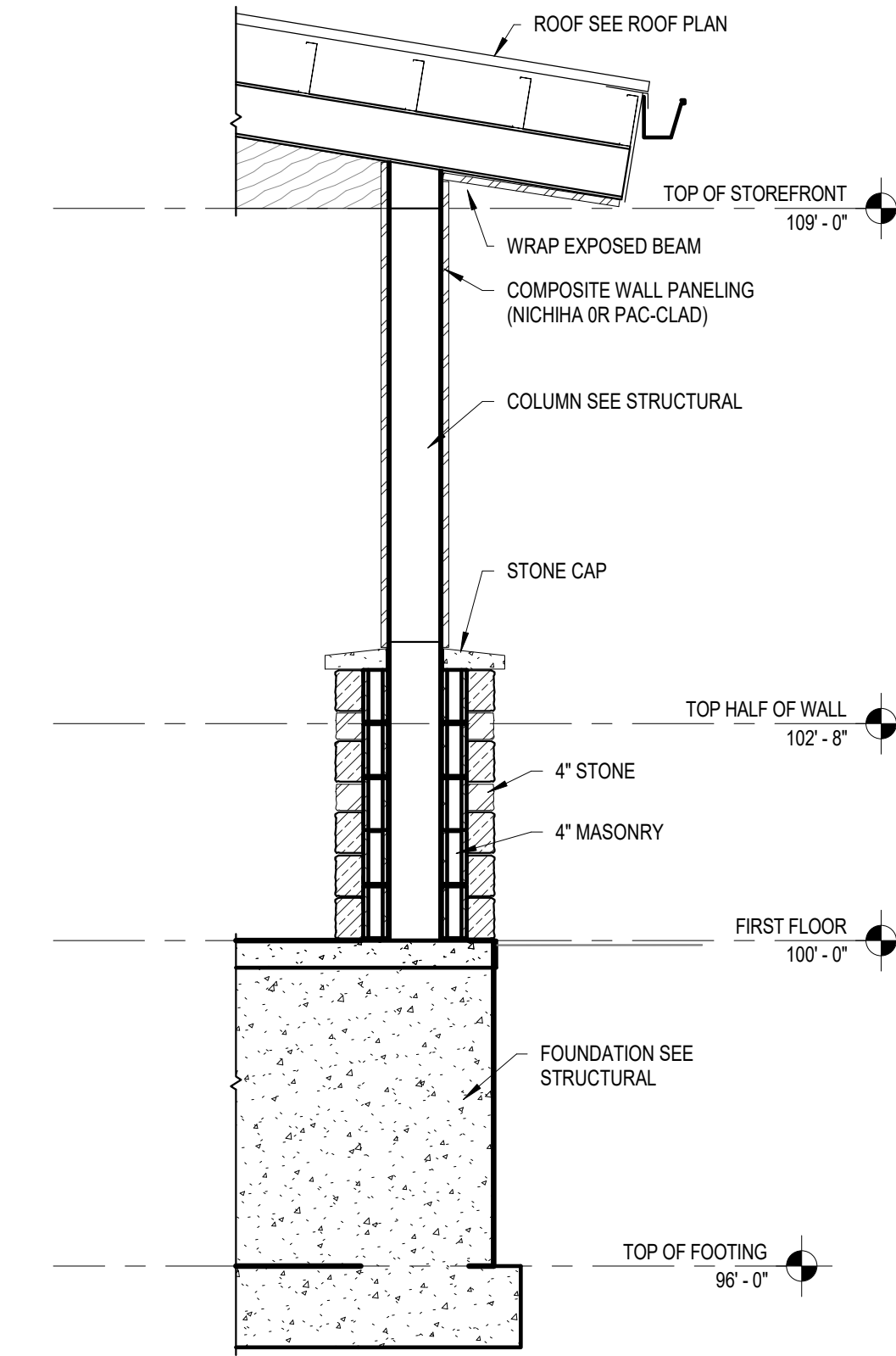
3 VESTIBULE SECTION
1/4" = 1'-0"



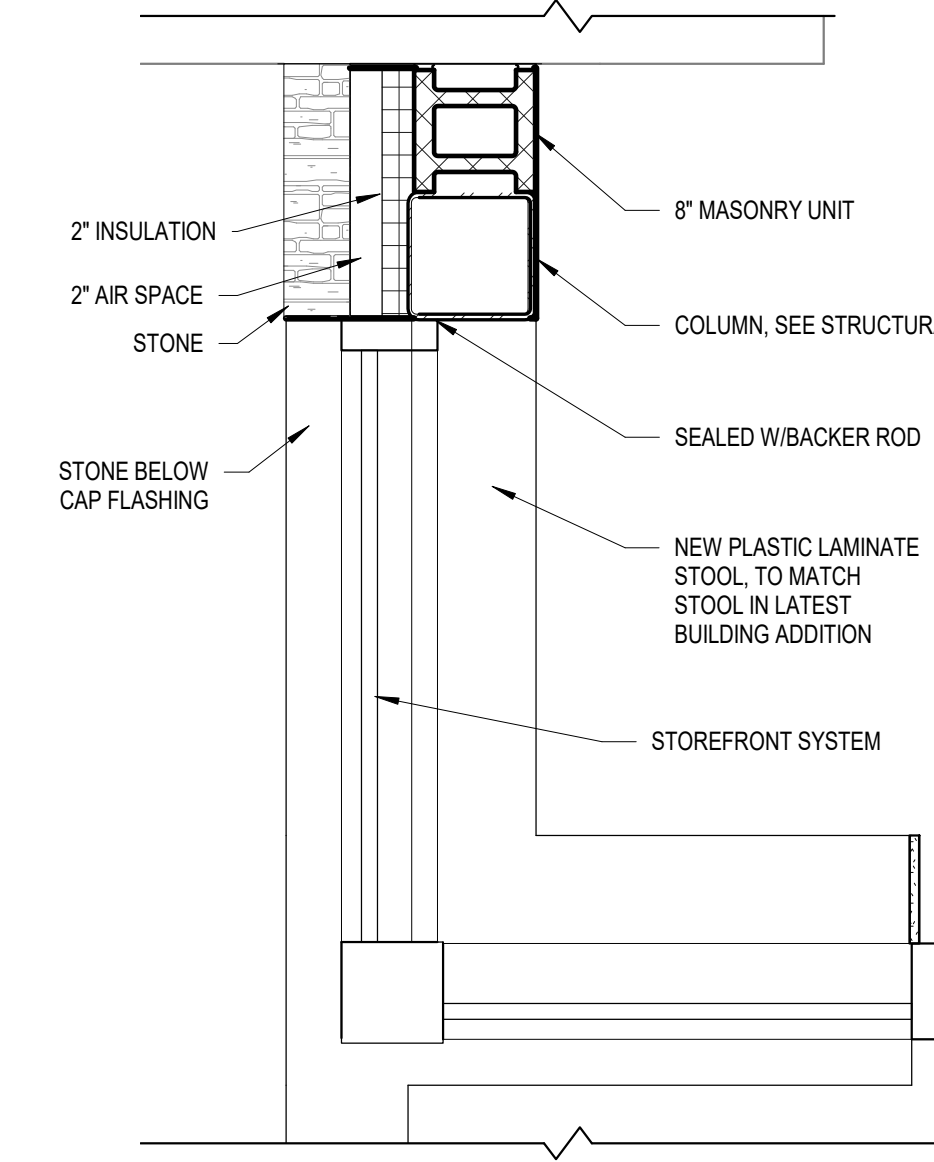
2 VESTIBULE CROSS SECTION
1/4" = 1'-0"



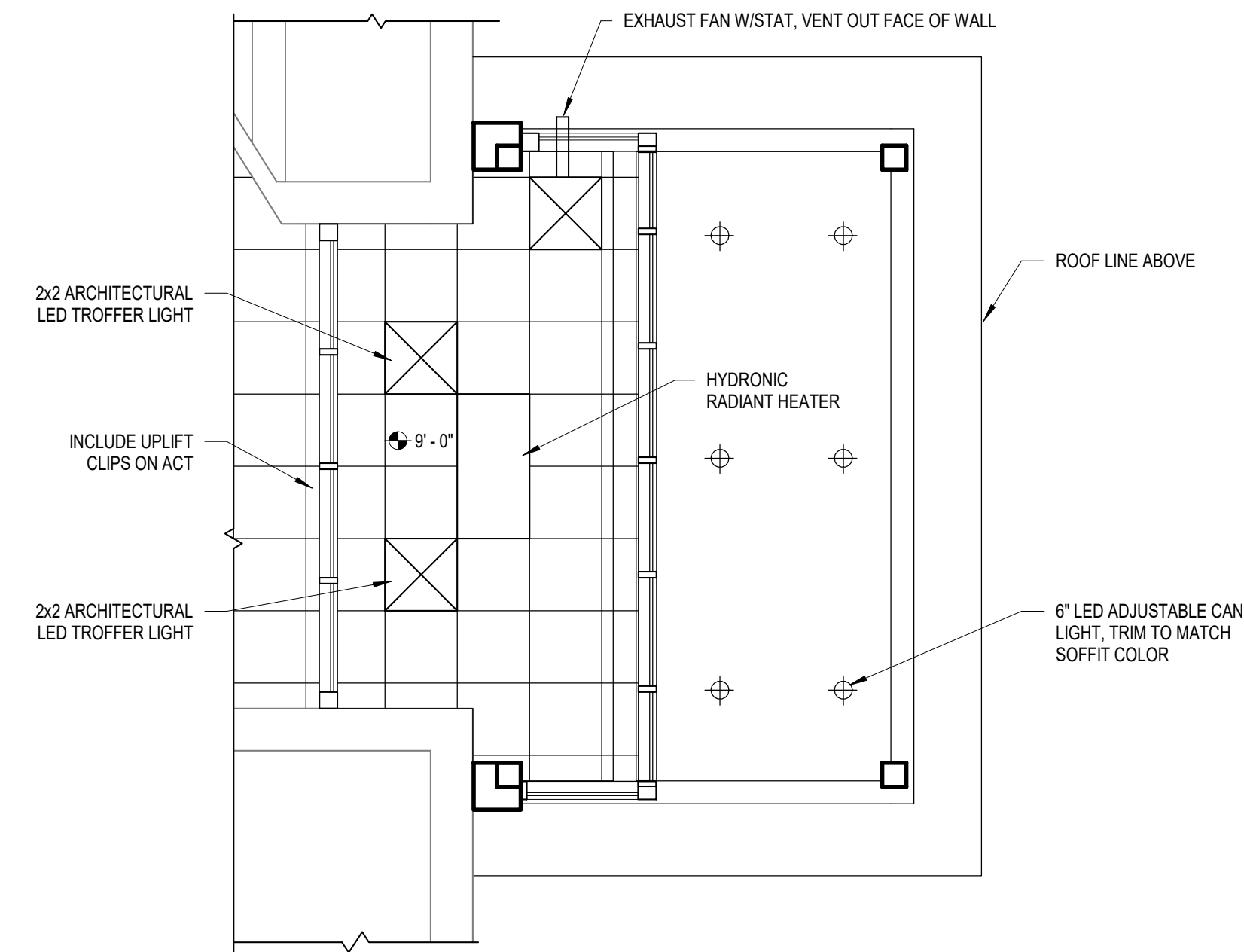
1 VESTIBULE LOGINTUDINAL SECTION
1/4" = 1'-0"



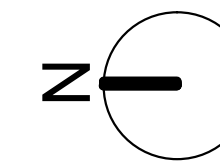
2 COLUMN WRAP DETAIL
1/2" = 1'-0"



3 STOREFRONT JAMB DETAIL
1" = 1'-0"



1 NEW ENTRY CEILING PLAN
1/4" = 1'-0"



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TURTLE LAKE SCHOOL DISTRICT
WINDOW & ENTRY REPLACE
205 OAK STREET NORTH
TURTLE LAKE, WI 54889

NEW ENTRY REFLECTED
CEILING PLAN, COLUMN
DETAIL, STOREFRONT
JAMB

NO.	DATE

ISSUE DATE:
NOVEMBER 13, 2017

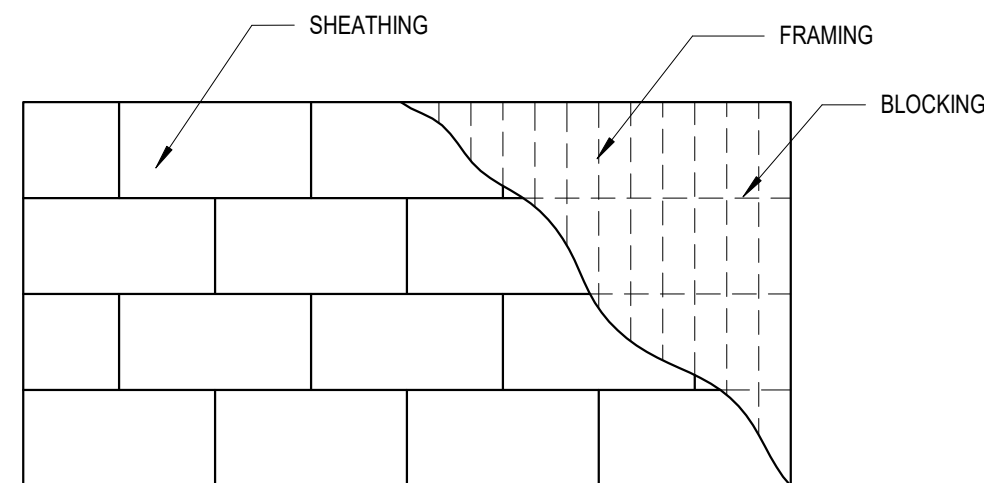
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WOOD FRAME FASTENING SCHEDULE

CONNECTION	FASTENING	LOCATION
JOIST TO SILL OR GIRDER	3-8d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	TOE NAIL
BRIDGING TO JOIST	2-8d COMMON 2-3"x0.131" NAIL 2-3" 14 GAGE STAPLE	TOE NAIL EACH END
1x6 SUBFLOOR OR LESS TO JOIST	2-8d COMMON	FACE NAIL
WIDER THAN 1X6 SUBFLOOR TO JOIST	2-8d COMMON	FACE NAIL
2' SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON	BLIND AND FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING	16d @ 16" C-C 3"x0.131" NAIL @ 8" C-C 3" 14 GAGE STAPLE @ 12" C-C	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3-16d @ 16" C-C 3"x0.131" NAIL @ 16" C-C 3" 14 GAGE STAPLE @ 16" C-C	BRACED WALL PANELS
TOP PLATE TO STUD	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	END NAIL
STUD TO SOLE PLATE	4-8d COMMON 4-3"x0.131" NAIL 3-3" 14 GAGE STAPLE 2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	TOE NAIL END NAIL
DOUBLE STUDS	16d @ 24" C-C 3"x0.131" NAIL @ 8" C-C 3" 14 GAGE STAPLE @ 8" C-C	FACE NAIL
DOUBLE TOP PLATES (STAGGER JOINTS 4'-0")	16d @ 24" C-C 3"x0.131" NAIL @ 8" C-C 3" 14 GAGE STAPLE @ 8" C-C	TYPICAL FACE NAIL
DOUBLE TOP PLATES (STAGGER JOINTS 4'-0")	8-16d COMMON 12-3"x0.131" NAIL 12-3" 14 GAGE STAPLE	LAP SPLICE
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-8d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	TOE NAIL
RIM JOIST TO TOP PLATE	8d @ 6" C-C 3"x0.131" NAIL @ 6" C-C 3" 14 GAGE STAPLE @ 6" C-C	TOE NAIL
TOP PLATES, LAPS AND INTERSECTIONS	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	FACE NAIL
CONTINUOUS HEADER, TWO PIECES	16d COMMON	16" C-C ALONG EDGE
CEILING JOISTS TO PLATE	3-8d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	TOE NAIL
CONTINUOUS HEADER TO STUD	4-8d COMMON	TOE NAIL
CEILING JOISTS, LAPS OVER PARTITIONS	3-16d COMMON 4-3"x0.131" NAIL 4-3" 14 GAGE STAPLE	FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	3-16d COMMON 4-3"x0.131" NAIL 4-3" 14 GAGE STAPLE	FACE NAIL
RAFTER TO PLATE	3-8d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	TOE NAIL
1' DIAGONAL BRACE TO EACH STUD AND PLATE	2-8d COMMON 2-3"x0.131" NAIL 2-3" 14 GAGE STAPLE	FACE NAIL
1x8 SHEATHING TO EACH BEARING WALL	2-8d COMMON	FACE NAIL
WIDER THAN 1x8 SHEATHING TO EACH BEARING WALL	3-8d COMMON	FACE NAIL
BUILT-UP CORNER STUDS	16d COMMON 3"x0.131" NAIL 3" 14 GAGE STAPLE	24" C-C 16" C-C 16" C-C
BUILT-UP GIRDER AND BEAMS	20d COMMON @ 32" C-C 3"x0.131" NAIL @ 24" C-C 3" 14 GAGE STAPLE @ 24" C-C 2-20d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES FACE NAIL AT END AND AT EACH SPLICE
2' PLANKS	16d COMMON	AT EACH BEARING
COLLAR TIE TO RAFTER	3-10d COMMON 4-3"x0.131" NAIL 4-3" 14 GAGE STAPLE	FACE NAIL
JACK RAFTER TO HIP	3-10d COMMON 4-3"x0.131" NAIL 4-3" 14 GAGE STAPLE 2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	TOE NAIL FACE NAIL
ROOF RAFTER TO 2x RIDGE BEAM	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE 2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GAGE STAPLE	TOE NAIL FACE NAIL

WOOD FRAME FASTENING SCHEDULE

CONNECTION	FASTENING	LOCATION
JOIST TO BAND JOIST	3-16d COMMON 5-3"x0.131" NAIL 5-3" 14 GAGE STAPLE	FACE NAIL
LEDGER STRIP	3-16d COMMON 4-3"x0.131" NAIL 4-3" 14 GAGE STAPLE	FACE NAIL
WOOD STRUCTURAL PANELS AND PARTICLEBOARD: SUBFLOOR, ROOF AND WALL SHEATHING TO FRAMING	1/2" AND LESS 19/32" TO 3/4" 7/8" TO 1" 1 1/8" TO 1 1/4" 3/4" OR LESS 7/8" TO 1" 1 1/8" TO 1 1/4"	6d 2.375"x0.113" NAIL 1.75" 16 GAGE STAPLE 8d OR 6d 2.375"x0.113" NAIL 2" 16 GAGE STAPLE 8d 10d OR 8d 6d 8d 10d OR 8d
SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)		6d 8d
PANEL SIDING TO FRAMING	1/2" OR LESS 5/8"	6d 8d
FIBERBOARD SHEATHING	1/2" 25/32"	#11 GAGE ROOFING NAIL 6d COMMON NAIL # 16 GAGE STAPLE #11 GAGE ROOFING NAIL 8d COMMON NAIL # 16 GAGE STAPLE
INTERIOR PANELING	1/4" 3/8"	4d 6d



SHEATHING ORIENTATION

DESIGN AND LOAD DATA

DESIGN SPECIFICATIONS
WISCONSIN COMMERCIAL BUILDING CODE
CURRENT EDITION WITH SUBSEQUENT REVISIONS

DESIGN LOAD INFORMATION

DEAD LOADS
ROOF DEAD LOAD - 15 PSF

ROOF LIVE LOAD
ROOF LIVE LOAD - 20 PSF

SNOW LOAD (BARRON COUNTY)
GROUND SNOW LOAD - 60 PSF
THERMAL FACTOR - 1.2
EXPOSURE FACTOR - 1.0
IMPORTANCE FACTOR - 1.0
ROOF SNOW LOAD - 50.4 PSF

WIND LOAD
BASIC WIND SPEED - 90 MPH
IMPORTANCE CATEGORY - II
EXPOSURE CATEGORY - B
BUILDING CATEGORY - ENCLOSED
USE ASCE 7-05 SIMPLIFIED LOADS

SEISMIC LOADS
SEISMIC DESIGN CATEGORY A

SOIL DESIGN INFORMATION

SOIL DATA (ASSUMED)
SOIL TYPE - CL
ALLOWABLE BEARING CAPACITY - 1500 PSF

MATERIAL REQUIREMENTS

MATERIALS
ROOF SHEATHING
28 GAGE METAL SALES VERTICAL SEAM
CLIP SPACING @ 2.5' MAX.
COLD FORMED STEEL
Fy = 50 KSI

ROOF SHEATHING FASTENERS
(2) #10 TEK SCREWS EACH END OF C-CHANNEL

GENERAL NOTES

1. THE CONTRACTOR SHALL CONDUCT ALL OPERATIONS IN STRICT ACCORDANCE WITH SAFETY REQUIREMENTS IMPOSED BY THE OWNER AND OSHA. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE OWNER'S PROPERTY AND DISPOSE OF ACCORDING TO LOCAL REGULATIONS.
2. THIS STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER IT IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES; AND TO INSURE THE STABILITY OF THE STRUCTURE AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS, OR TIE-DOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY.
3. SAFETY: IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
4. ENGINEERING DRAWINGS: ALL DEVIATIONS FROM THE ENGINEERING DRAWINGS SHALL BE SUBMITTED IN WRITTEN FORM TO THE OWNER OR THEIR REPRESENTATIVE FOR APPROVAL.
5. EXISTING UTILITIES AND ALL OTHER OBSTRUCTIONS TO WORK SHALL BE TEMPORARILY REMOVED BY THE CONTRACTOR AND REINSTALLED (INCLUDING NECESSARY MODIFICATIONS) BY THE CONTRACTOR AFTER COMPLETION OF WORK.
6. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER OR THEIR REPRESENTATIVE BEFORE SHOP WORK IS PERMITTED TO COMMENCE. ALL DEVIATIONS FROM THE ENGINEERING DRAWINGS SHALL BE CIRCLED AND NOTED ON THE SHOP DRAWINGS.
7. DIMENSIONS PERTAINING TO EXISTING CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ANY FABRICATION, CONSTRUCTION, OR ERECTION.
8. EXCAVATION SHALL PROCEED WITH CARE TO AVOID DAMAGE TO UNKNOWN UNDERGROUND SERVICES.
9. BACKFILL SHALL BE GRANULAR MATERIAL, FREE FROM CLAY, LOAM, OR PERISHABLE MATERIALS. THE APPROVED GRANULAR FILL MATERIAL SHALL BE COMPACTED TO A DENSITY EQUIVALENT TO 95% MODIFIED PROCTOR.

FOUNDATIONS

1. FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL.

STRUCTURAL STEEL

1. THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS", AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", WITH THE FOLLOWING SUPPLEMENTAL REQUIREMENTS.
2. ROLLED WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992 WITH A MINIMUM YIELD STRESS (Fy) OF 50,000 PSI. ROLLED SHAPES, PLATES, AND BARS SHALL CONFORM TO ASTM A36 WITH A MINIMUM YIELD STRESS (Fy) OF 36,000 PSI. CIRCULAR PIPE SHALL CONFORM TO ASTM A53, GRADE B, WITH A MINIMUM YIELD STRESS (Fy) OF 35,000 PSI. SQUARE AND RECTANGULAR TUBING SHALL CONFORM TO ASTM A500, GRADE B, WITH A MINIMUM YIELD STRESS (Fy) OF 46,000 PSI.
3. SPLICING OF STRUCTURAL STEEL IS PROHIBITED EXCEPT AS DETAILED.
4. STRUCTURAL STEEL SHALL BE NEW UNLESS OTHERWISE NOTED, AND SHALL BE PAINTED WITH ONE COAT OF APPROVED PRIMER AND APPROVED FINISH COAT AS DIRECTED BY THE OWNER.
5. BOLTS SHALL CONFORM TO ASTM A325X WITH ASTM A563 NUTS. BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD, AND SHALL HAVE A HARDENED STEEL WASHER, ASTM F436, UNDER THE TURNED ELEMENT.
6. WELDING SHALL CONFORM TO THE CURRENT AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". WELDING ELECTRODES SHALL BE E70XX.
7. WELDS SHALL BE MADE ONLY BY CERTIFIED WELDERS AND WELDING OPERATORS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED IN THE CURRENT AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". PROOF OF CERTIFICATION SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL BEFORE ANY WELDING IS PERMITTED TO BEGIN.
8. WELDING OF STAINLESS STEEL TO BE PERFORMED USING STAINLESS RODS AND WELDING PROCEDURES.
9. ANCHOR BOLTS FOR COLUMNS SHALL CONFORM TO ASTM A307. ANCHOR BOLTS FOR MACHINES SHALL CONFORM TO ASTM A325. ALL ANCHOR BOLTS SHALL BE SET BY TEMPLATE METHOD, OR AN APPROVED EQUIVALENT METHOD.

CONCRETE

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", WITH THE FOLLOWING SUPPLEMENTAL REQUIREMENTS:

1. ALL CONCRETE TO BE NORMAL WEIGHT, WITH AGGREGATES CONFORMING TO ASTM C33.
2. CONCRETE SHALL DEVELOP THE FOLLOWING 28-DAY COMPRESSIVE STRENGTH (F_c):
FLOOR SLABS - 4000 PSI
FOUNDATIONS - 4000 PSI
3. CHLORIDE BASED ADMIXTURES ARE PROHIBITED IN ALL REINFORCED CONCRETE. OTHER ADMIXTURES SHALL CONFORM TO ASTM C494.
4. REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO A615, A616, OR A617, GRADE 60, WITH MINIMUM YIELD STRESS (F_y) OF 60,000 PSI. THE MINIMUM LAP FOR SPLICES SHALL BE 3'-6".
5. CONCRETE COVER ON ALL REINFORCING SHALL BE 3" UNLESS OTHERWISE NOTED.
6. MAXIMUM SLUMP SHALL BE 4"x1" AS DETERMINED IN ACCORDANCE WITH ASTM C143.
7. CONCRETE FINISH:

FLOOR SLABS - HARD TROWELED FINISH
PAVING SLABS - FLOAT/BROOM FINISH
8. ALL CONCRETE EXPOSED TO THE EXTERIOR SHALL BE AIR ENTRAINED WITH AN AIR CONTENT OF 6%±.



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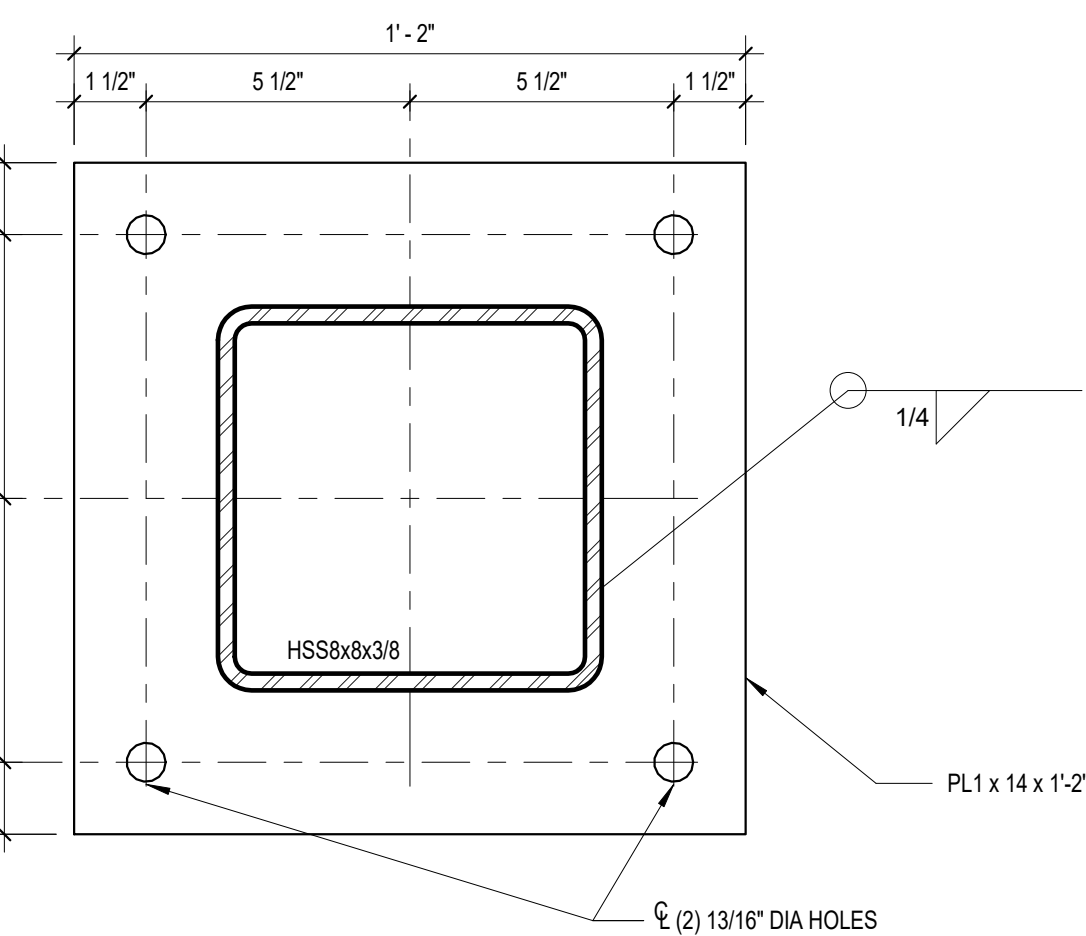
STRUCTURAL DESIGN
NOTES

REVISIONS:
NO. DATE

ISSUE DATE:
NOVEMBER 13, 2017

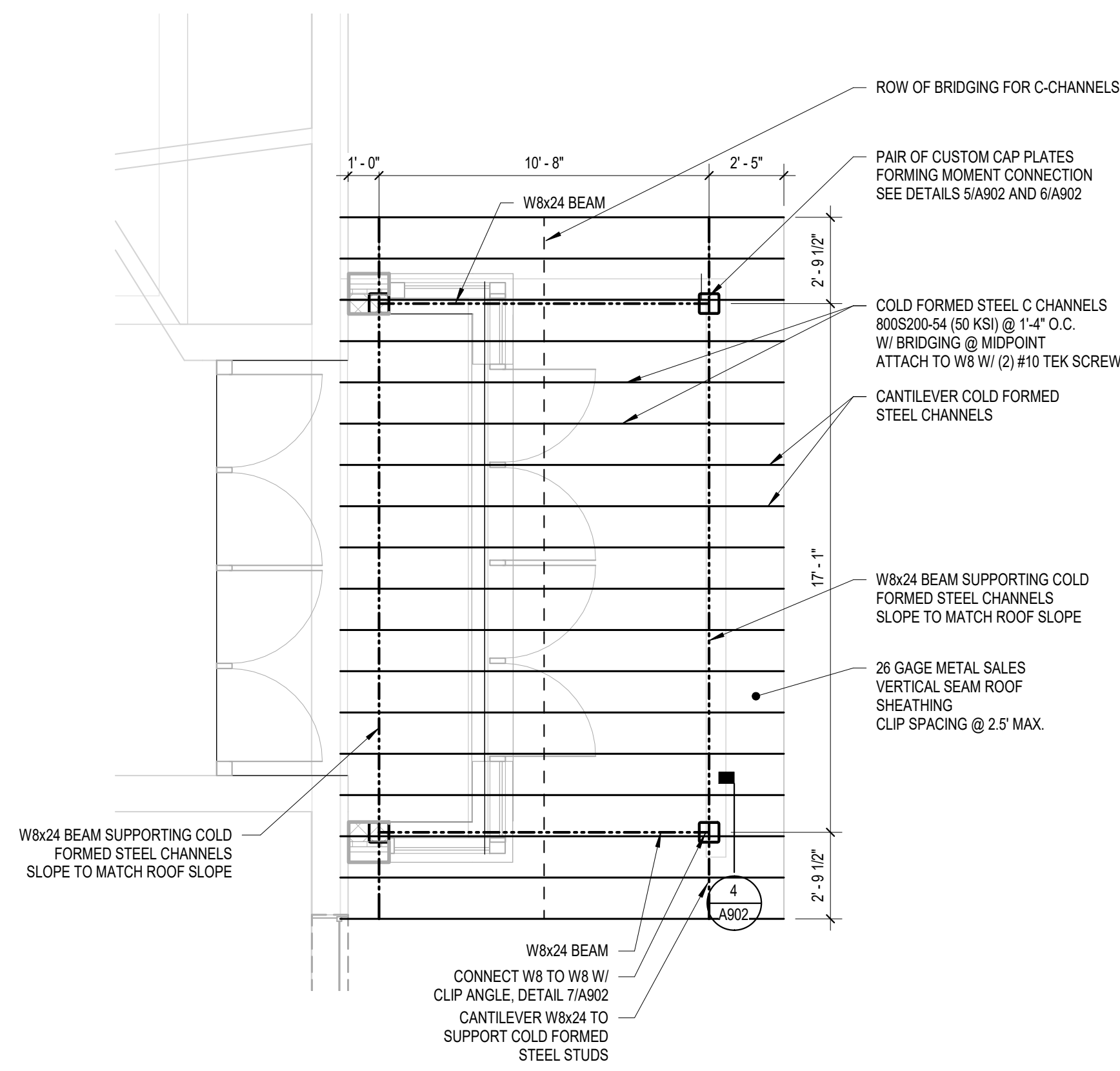
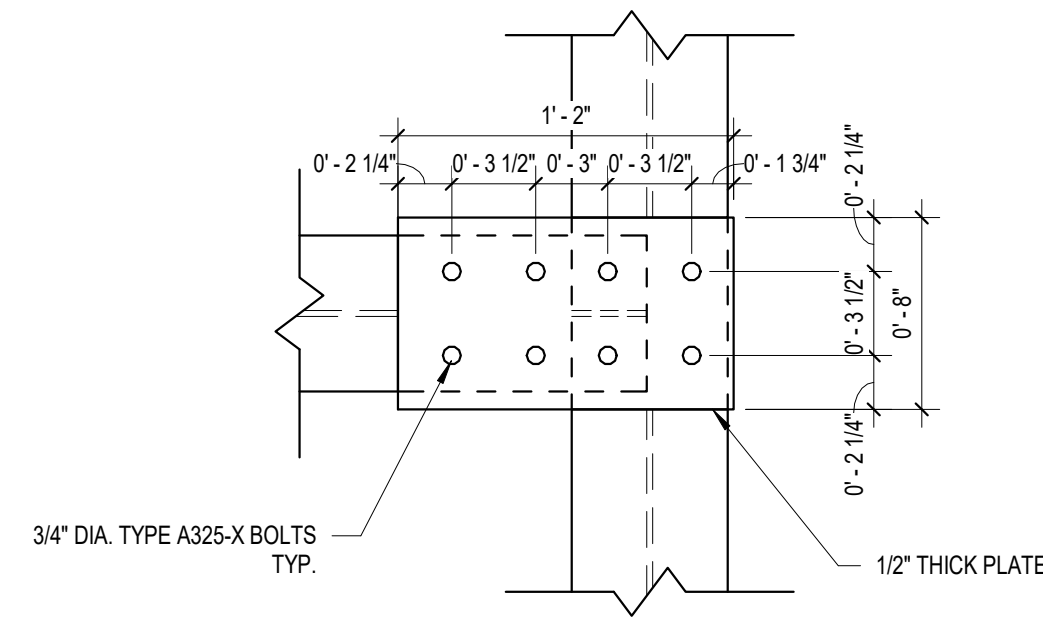
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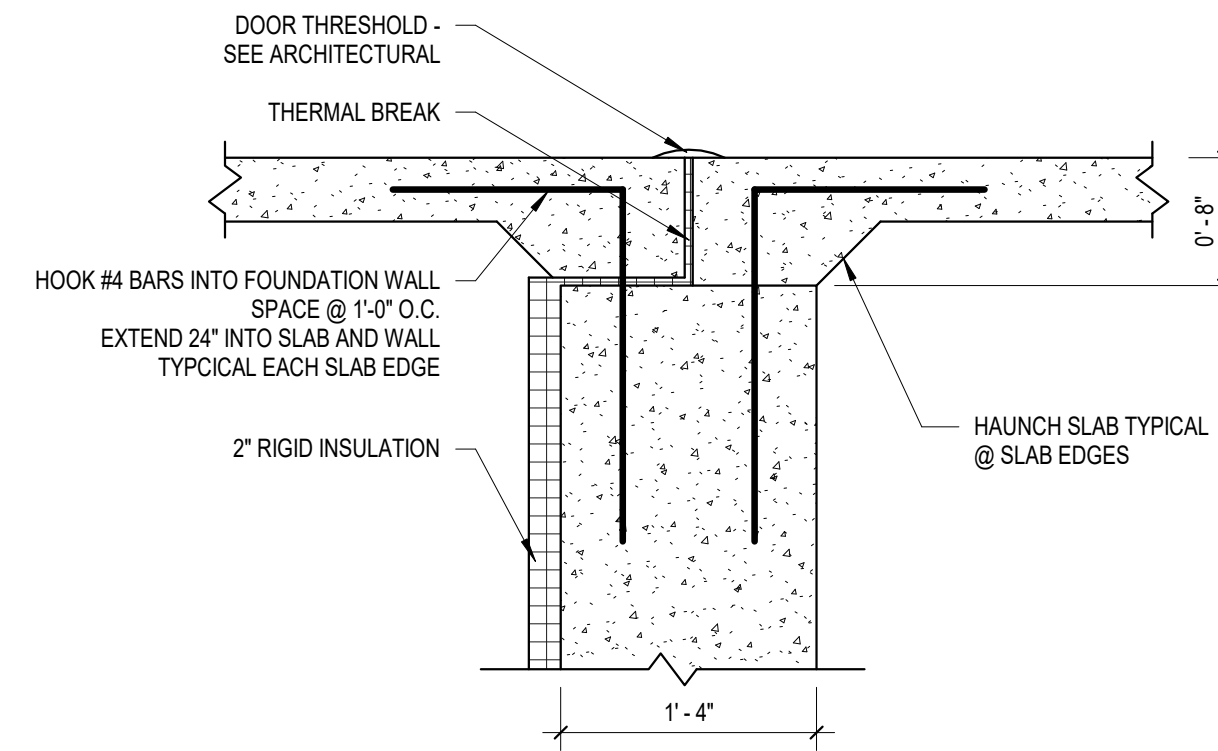


3 HSS8x8x3/8 BASEPLATE
3" = 1'-0"

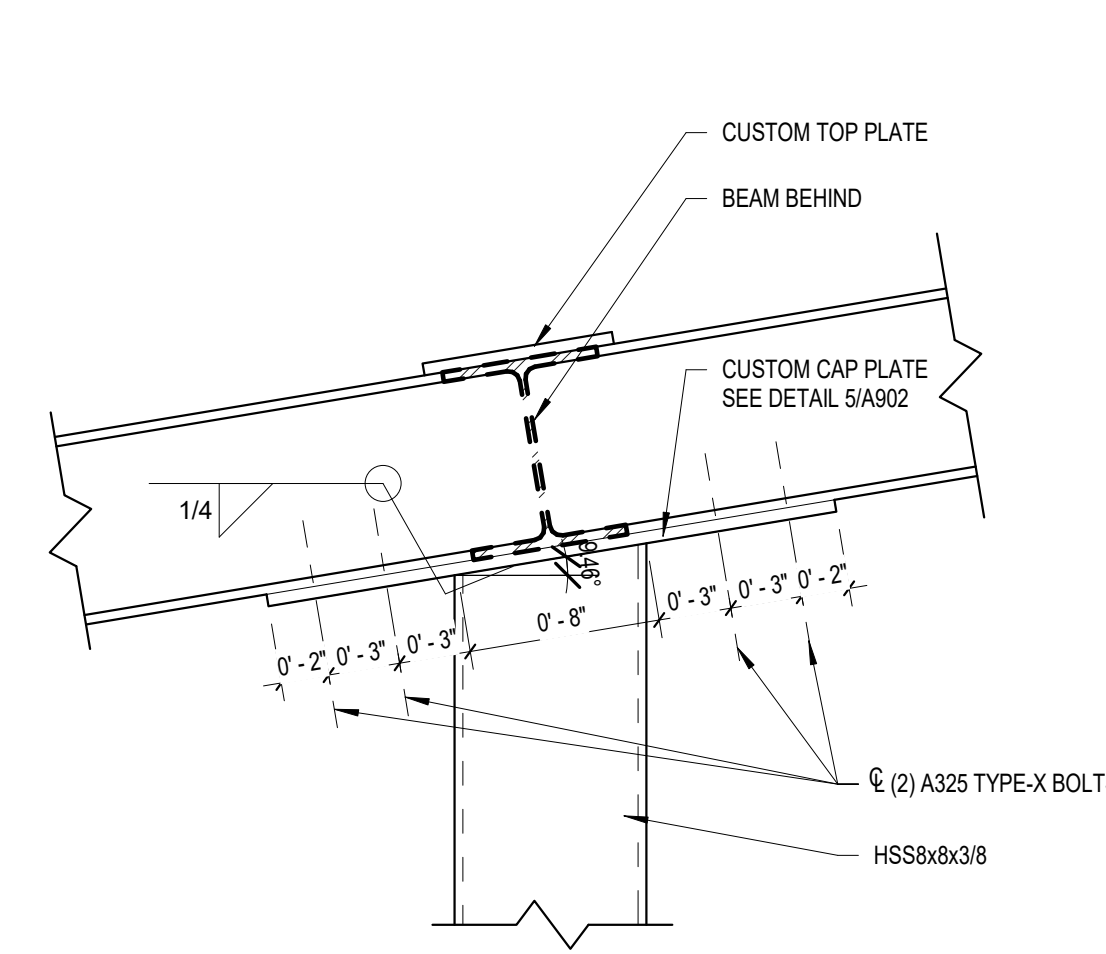
6 CUSTOM TOP PLATE
1 1/2" = 1'-0"



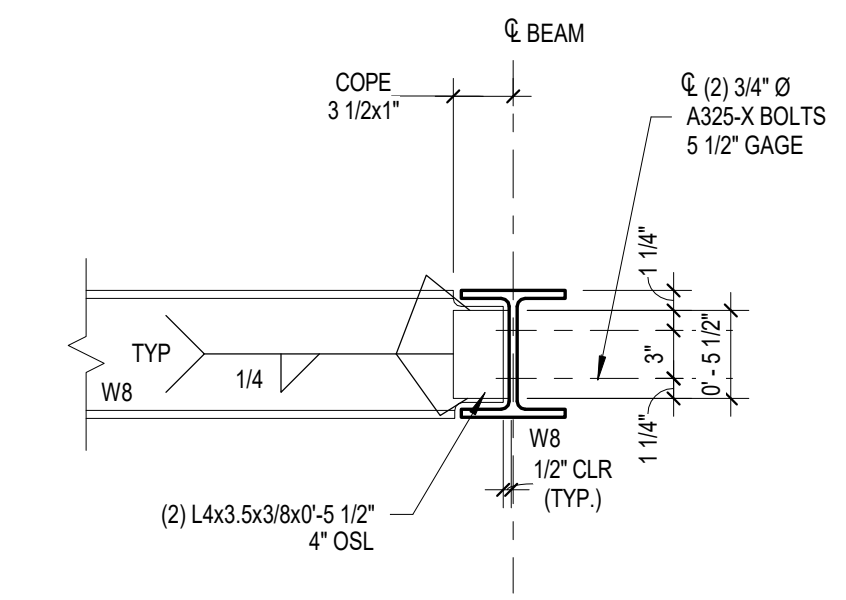
2 ROOF FRAMING PLAN
1/4" = 1'-0"



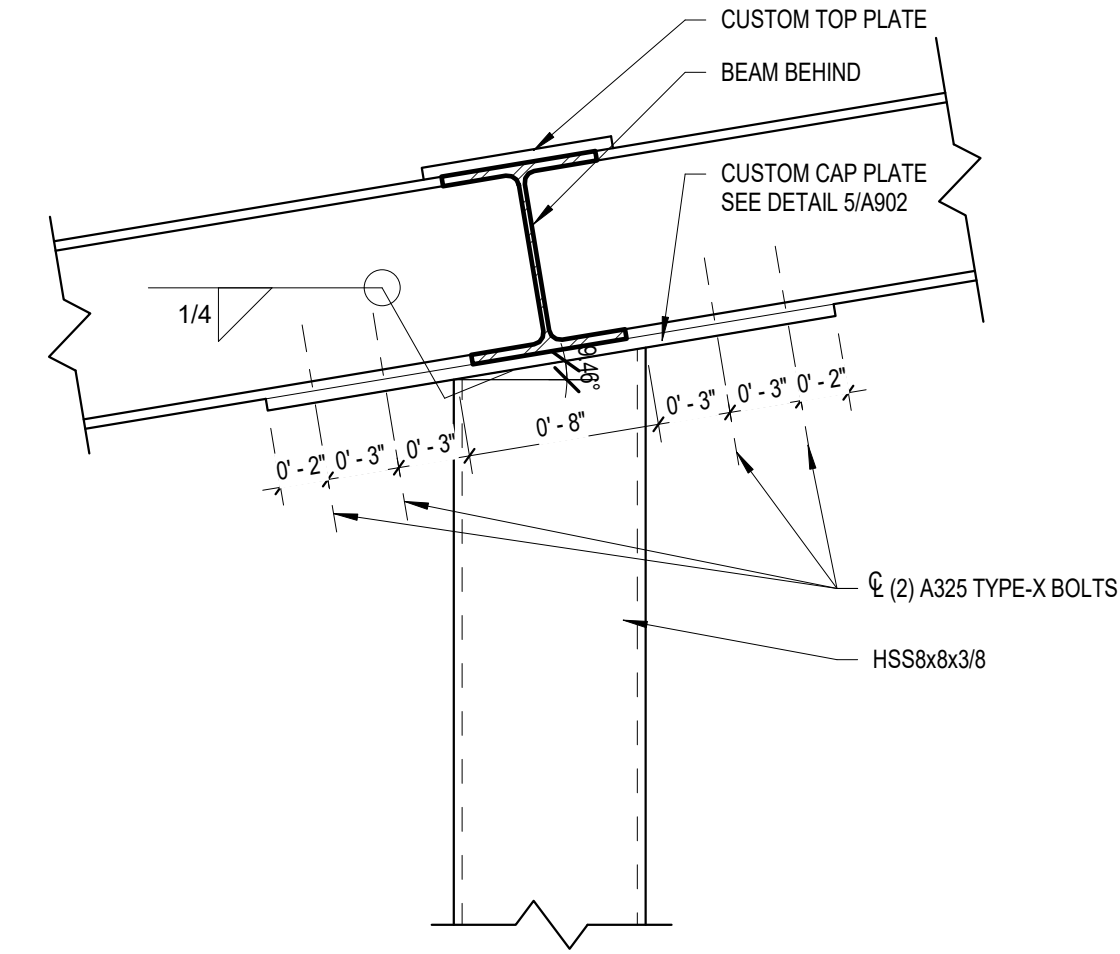
8 FOUNDATION BELOW ENTRY
1" = 1'-0"



4 HSS8x8x3/8 TO W8x24 CONNECTION
1 1/2" = 1'-0"



7 CLIP ANGLE DETAIL - W8 TO W8
1" = 1'-0"



1 FOUNDATION PLAN
1/4" = 1'-0"



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WINDOW & ENTRY REPLACE

**FOUNDATION PLAN,
ROOF FRAMING PLAN,
DETAILS**

REVISIONS:
NO. DATE

ISSUE DATE:
NOVEMBER 13, 2017

A902

2dip PROJECT # 1730