

# Building Alteration for: *Appleton International Airport* *Terminal Expansion Project*

BASE BID: BUILDING ALTERATIONS IN THE ATW ADMIN AREA INCLUDING BUILDING SYSTEMS.  
ALTERNATE BID #1: AW SOUTH BUILDING ROOF REPLACEMENT  
ALTERNATE BID #2: AW SOUTH BUILDING ROOF (2)-AHU REPLACEMENT  
ALTERNATE BID #3: AW SOUTH BUILDING SITE DRAINAGE REPAIR

Appleton

W6930 Challenger Drive

Wisconsin

## OWNER:

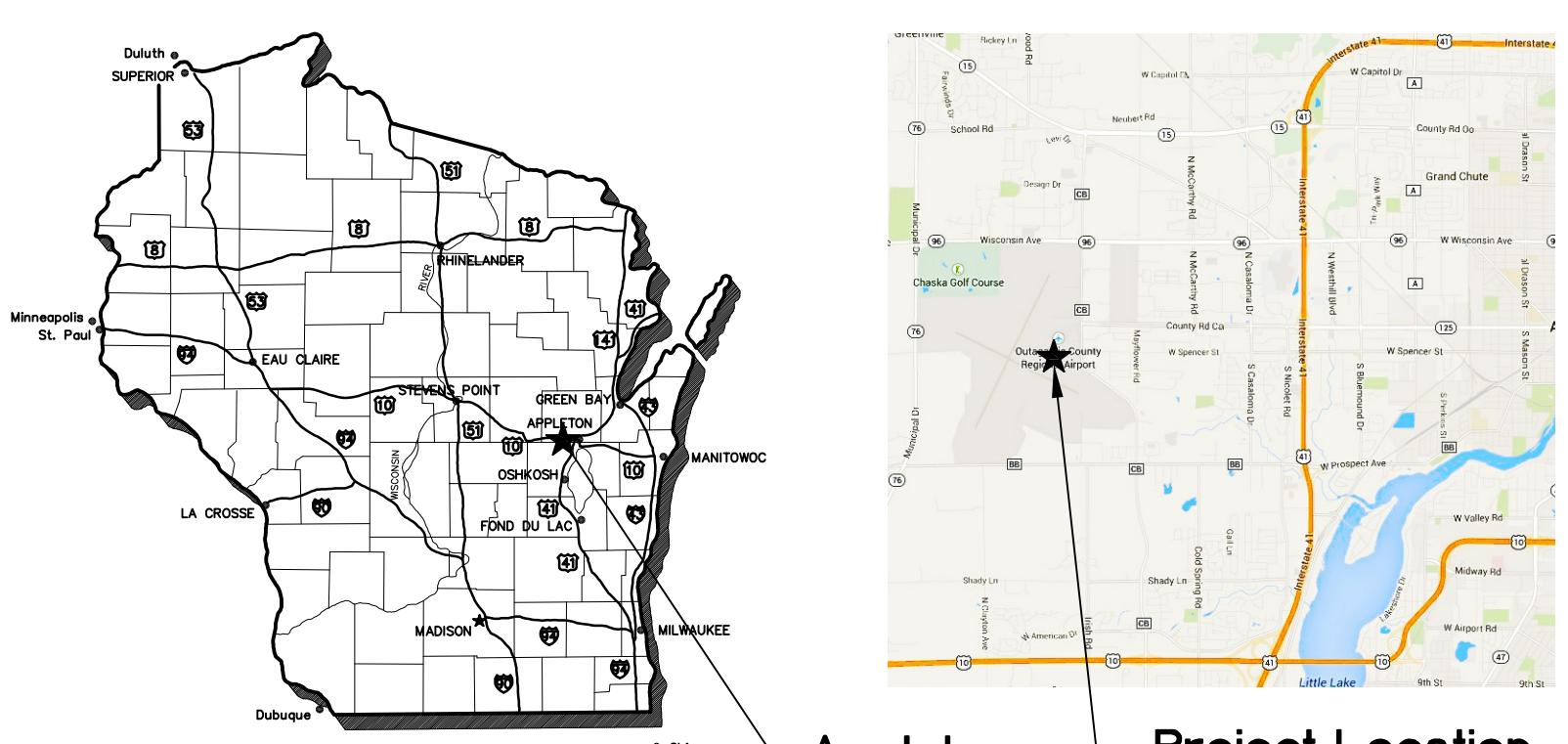
BUILDING ADMINISTRATOR  
Outagamie County  
Purchasing Coordinator: Nicole Schoultz  
410 South Elm Street  
Appleton, WI 54911-1683  
(920) 832-6083

## PROJECT TEAM:

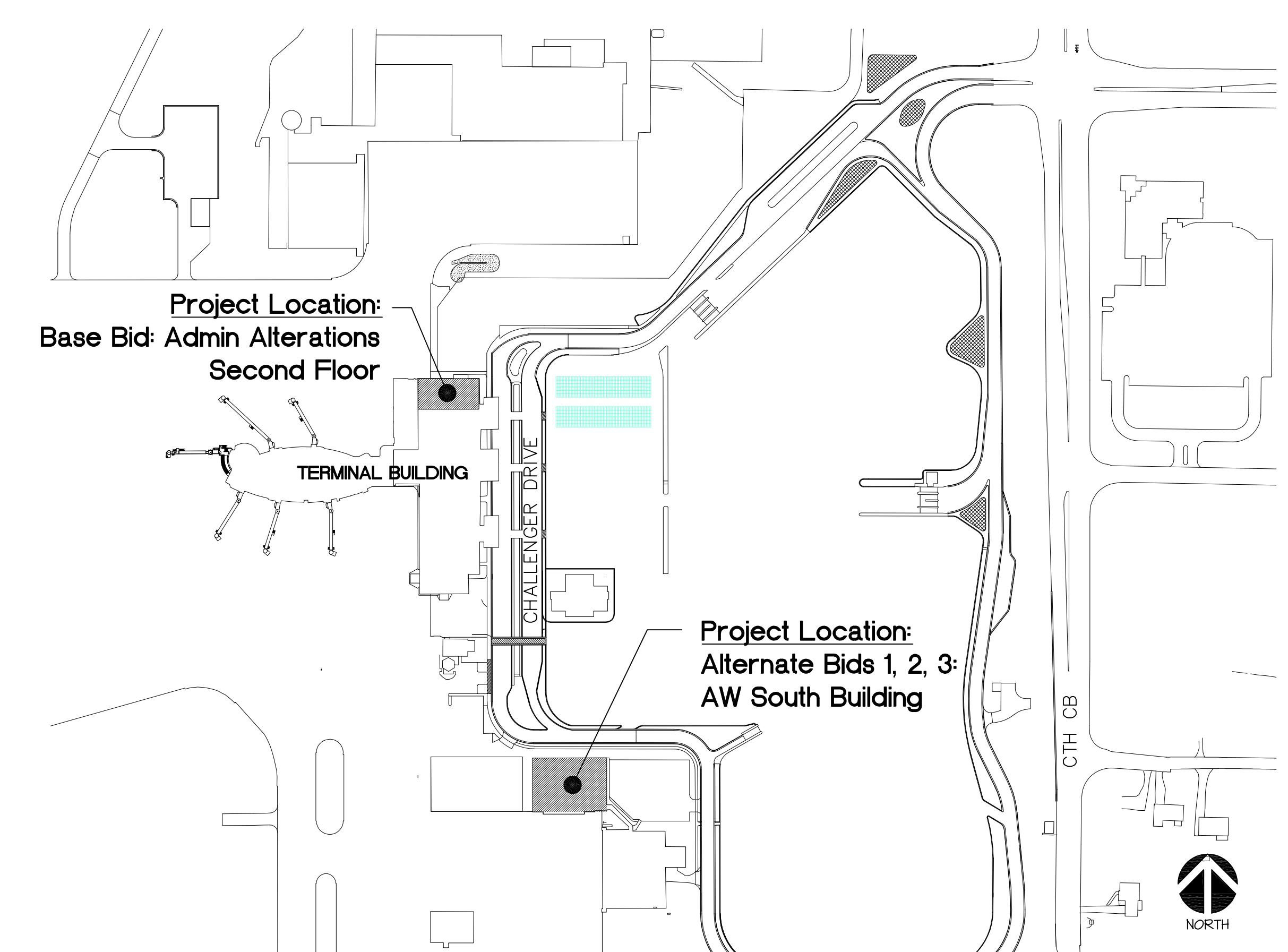
PROJECT MANAGER / ARCHITECT  
OMNNI Associates  
Aaron Kiesau, A.I.A.  
One Systems Drive  
Appleton, WI 54914  
(920) 830-6315

PLUMBING / MECHANICAL ENGINEER  
Southport Engineered Systems, LLC  
Tim Pann, PE, LEED AP  
1343 S. 27th Street  
Caledonia, WI 53108  
(920) 824-2675

ELECTRICAL ENGINEER  
Powrtek Engineering, Inc.  
Greg Sadowski, PE  
20711 Watertown Road, Suite C  
Waukesha, WI 53186  
(262) 827-9575



## PROJECT LOCATION



## INDEX OF DRAWINGS:

CS100 COVER SHEET

### CIVIL:

C100 ALTERNATE #3: AW SOUTH GRADING PLAN

### ARCHITECTURAL:

A100 CODE PLAN  
A200 SECOND FLOOR & REFLECTED CEILING DEMOLITION PLANS  
A210 SECOND FLOOR PLAN  
A220 SECOND FLOOR FINISH & REFLECTED CEILING PLANS  
A300 SECOND FLOOR ADMIN AREA SCHEDULES  
A330 DETAILS & CASEWORK  
A340 ADMIN ENLARGED TOILET ROOM PLAN & INTERIOR ELEVATIONS  
A800 ALTERNATE #1: AW SOUTH ROOFING REPLACEMENT PLAN  
A801 ALTERNATE #1: AW SOUTH ROOFING DETAILS  
A802 ALTERNATE #1: AW SOUTH ROOFING DETAILS

### MECHANICAL DRAWINGS

M100 ADMIN HVAC FLOOR PLAN  
M500 ADMIN HVAC DETAILS AND SCHEDULES  
M800 ALTERNATE #2: AW SOUTH ROOFTOP HVAC UNIT REPLACEMENT PLAN

### PLUMBING DRAWINGS

P100 ADMIN PLUMBING FLOOR PLANS  
P200 PLUMBING ISOMETRICS AND DETAILS

### ELECTRICAL DRAWINGS

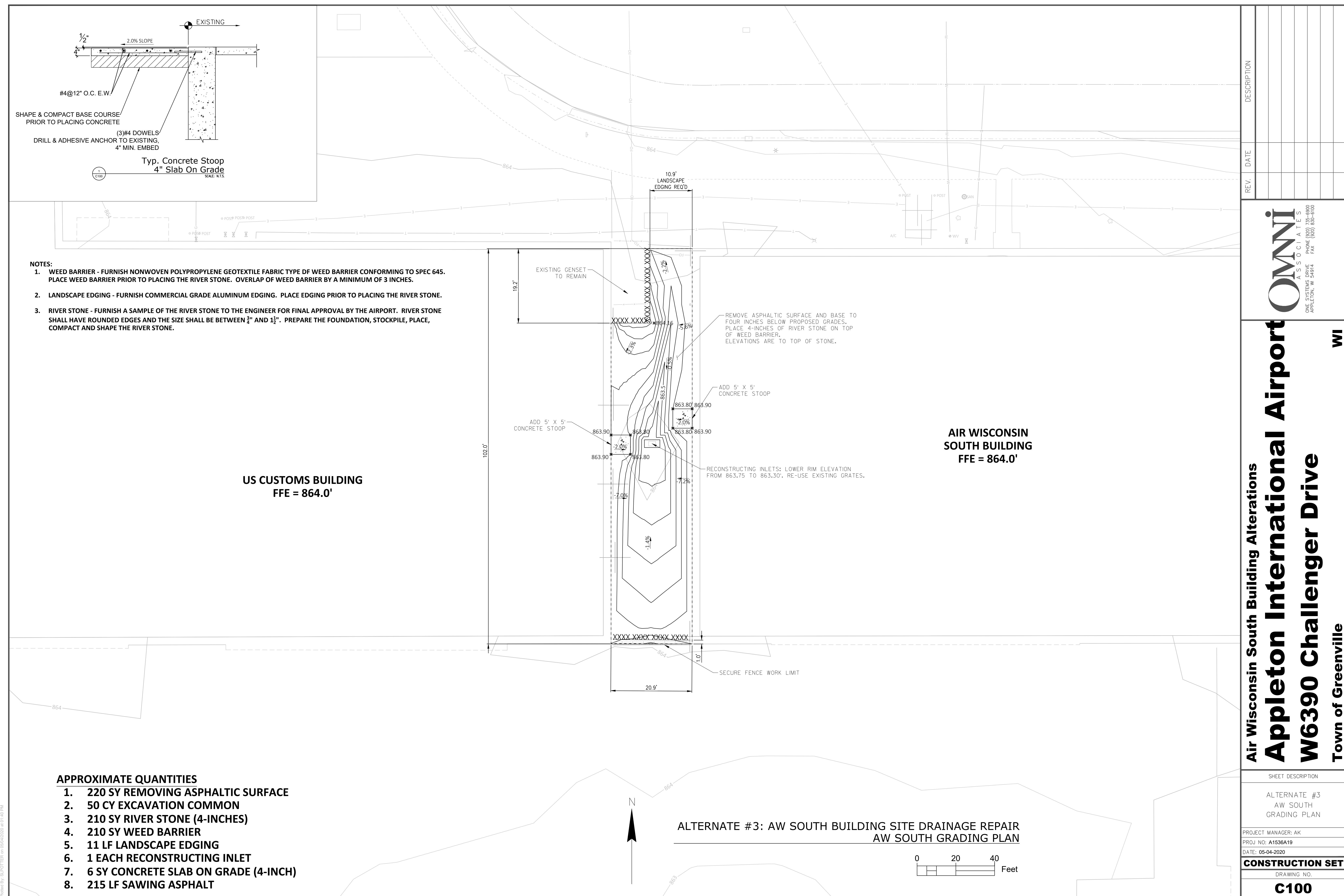
E001 SYMBOLS AND ABBREVIATIONS  
E200 SECOND FLOOR ELECTRICAL DEMOLITION PLANS  
E210 SECOND FLOOR POWER & SYSTEMS AND LIGHTING PLANS  
E300 ELECTRICAL SCHEDULES  
E400 ELECTRICAL DETAILS

## Airport Terminal Expansion Appleton International Airport W6390 Challenger Drive Appleton

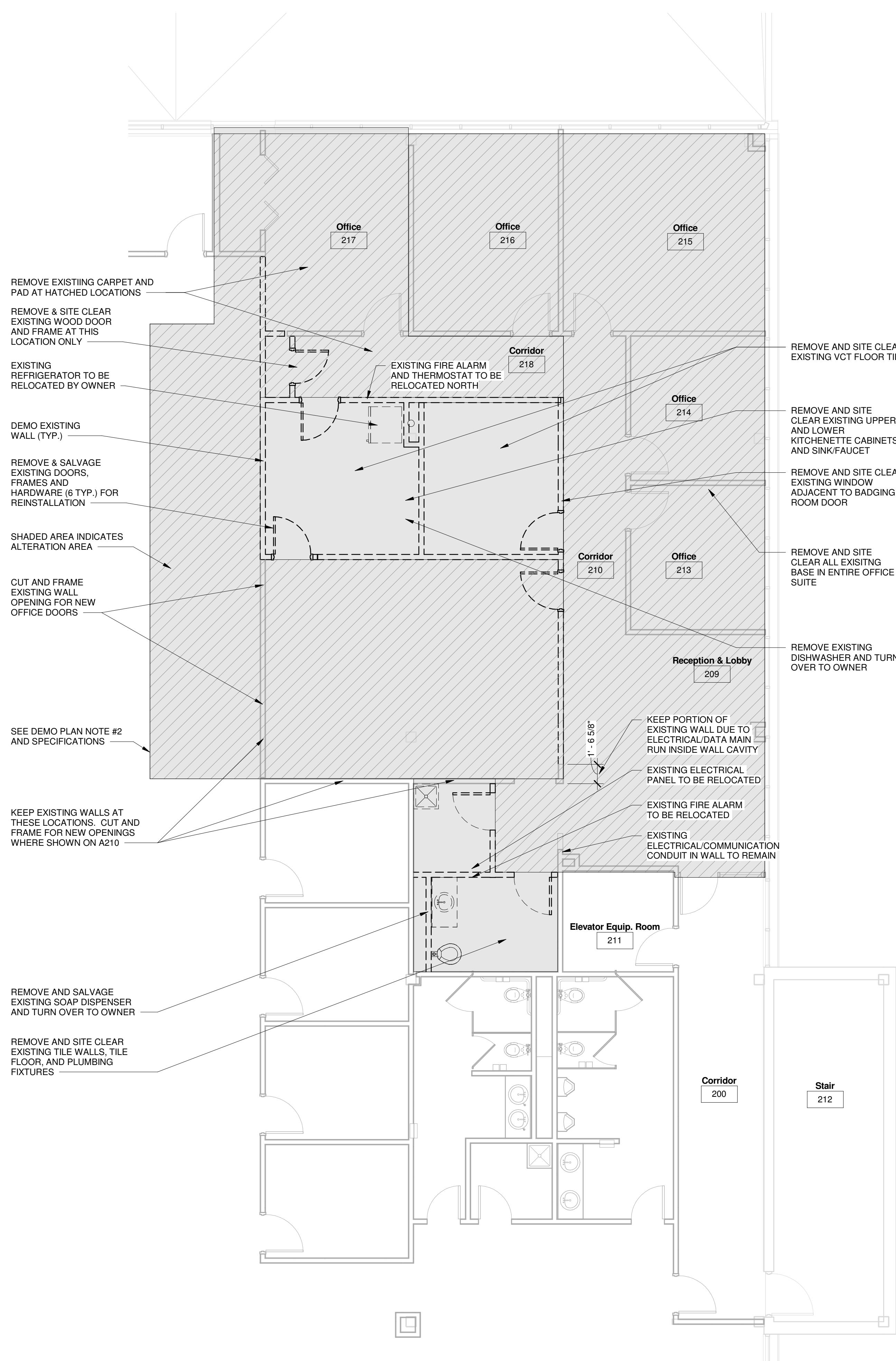
SHEET DESCRIPTION	
COVER SHEET	
PROJECT MANAGER: AK	
PROJ NO: A1535A19	
DATE: 05/04/2020	
CONSTRUCTION SET	
DRAWING NO.	
CS100	

**OMNNI**  
ASSOCIATES  
ONE SYSTEMS DRIVE  
APPLETON, WI 54914  
PHONE (920) 830-6300  
FAX (920) 830-6100

WI

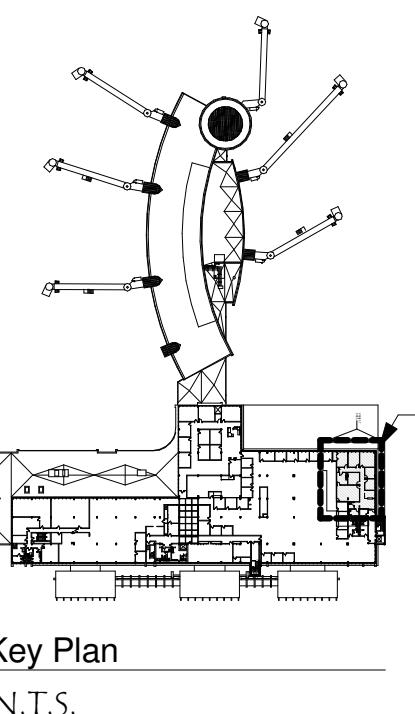
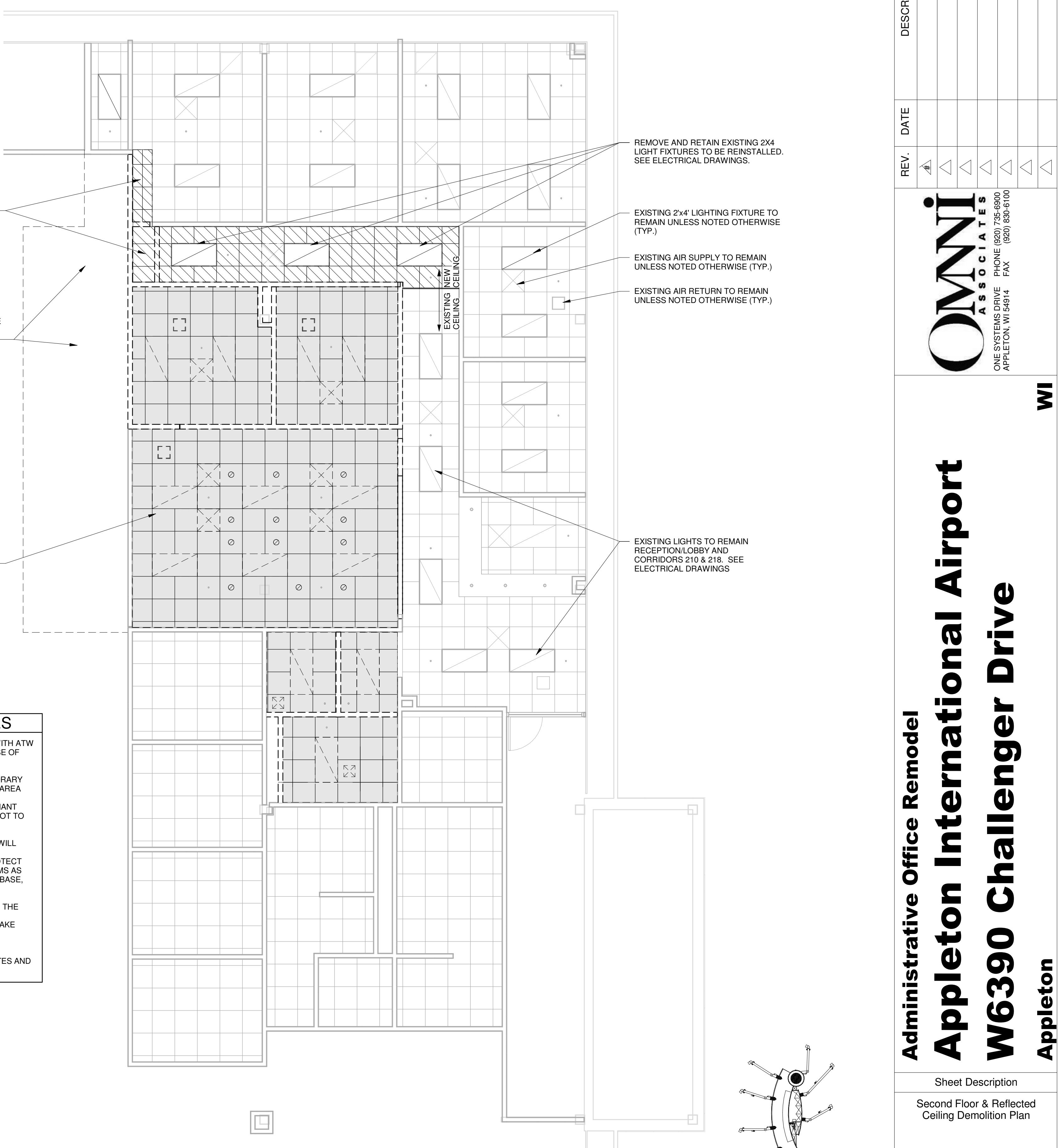






**DEMO PLAN NOTES**

1. CONTRACTOR SHALL COORDINATE WITH ATW AND ADJACENT TENANT DURING COURSE OF WORK.
2. CONTRACTOR SHALL INSTALL TEMPORARY DUST AND NOISE PARTITION IN TENANT AREA DURING DEMOLITION & CONSTRUCTION. INSTALL SECURE ACCESS DOOR TO TENANT SIDE OF CONSTRUCTION IN LOCATION NOT TO DISRUPT TENANT FLOW.
3. A PORTION OF THE ATW FURNITURE WILL REMAIN IN THE OFFICE SUITE DURING CONSTRUCTION. CONTRACTOR TO PROTECT ITEMS FROM WORK AND RELOCATE ITEMS AS REQUIRED TO INSTALL NEW FLOORING, BASE, ETC.
4. ALL EQUIPMENT/FURNISHINGS ETC IN THE ENTIRE SUITE IS THE PROPERTY OF THE AIRPORT AND ATW HAS THE RIGHT TO TAKE THOSE ITEMS
5. COORDINATE EXTERIOR DUMPSTER LOCATION, DEMOLITION REMOVAL ROUTES AND REMOVAL METHODS WITH OWNER.





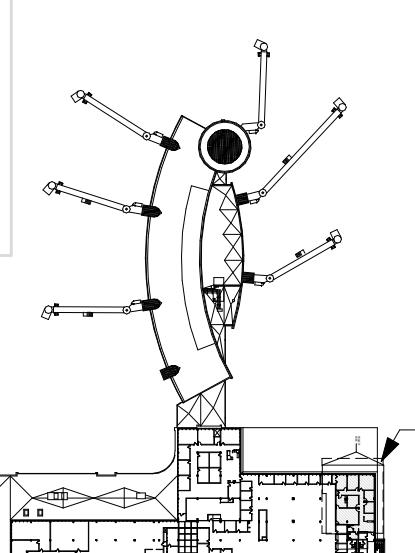
# Appleton International Airport

## W6390 Challenger Drive

Appleton

### Administrative Office Remodel

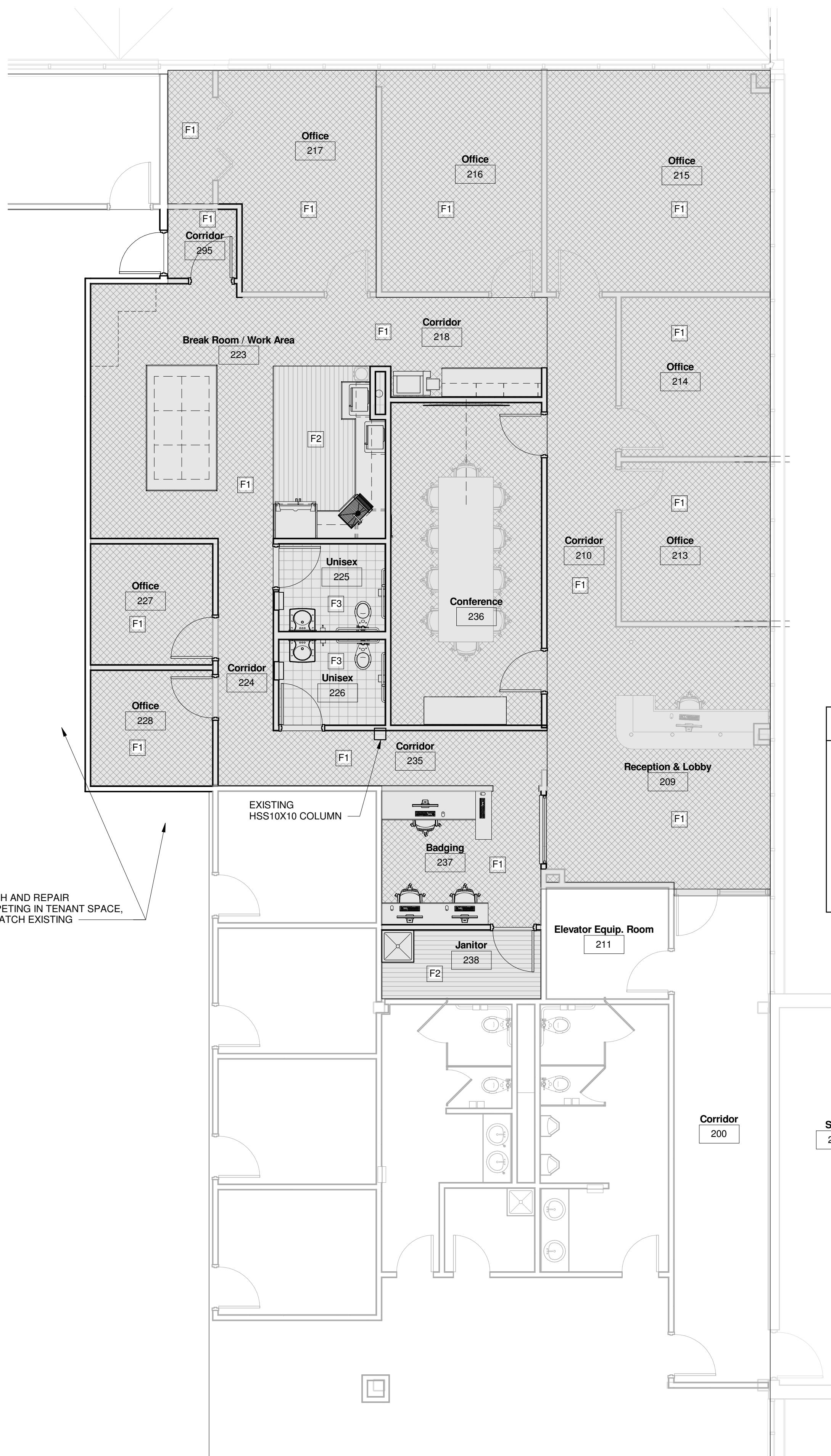
REV.	DATE	DESCRIPTION



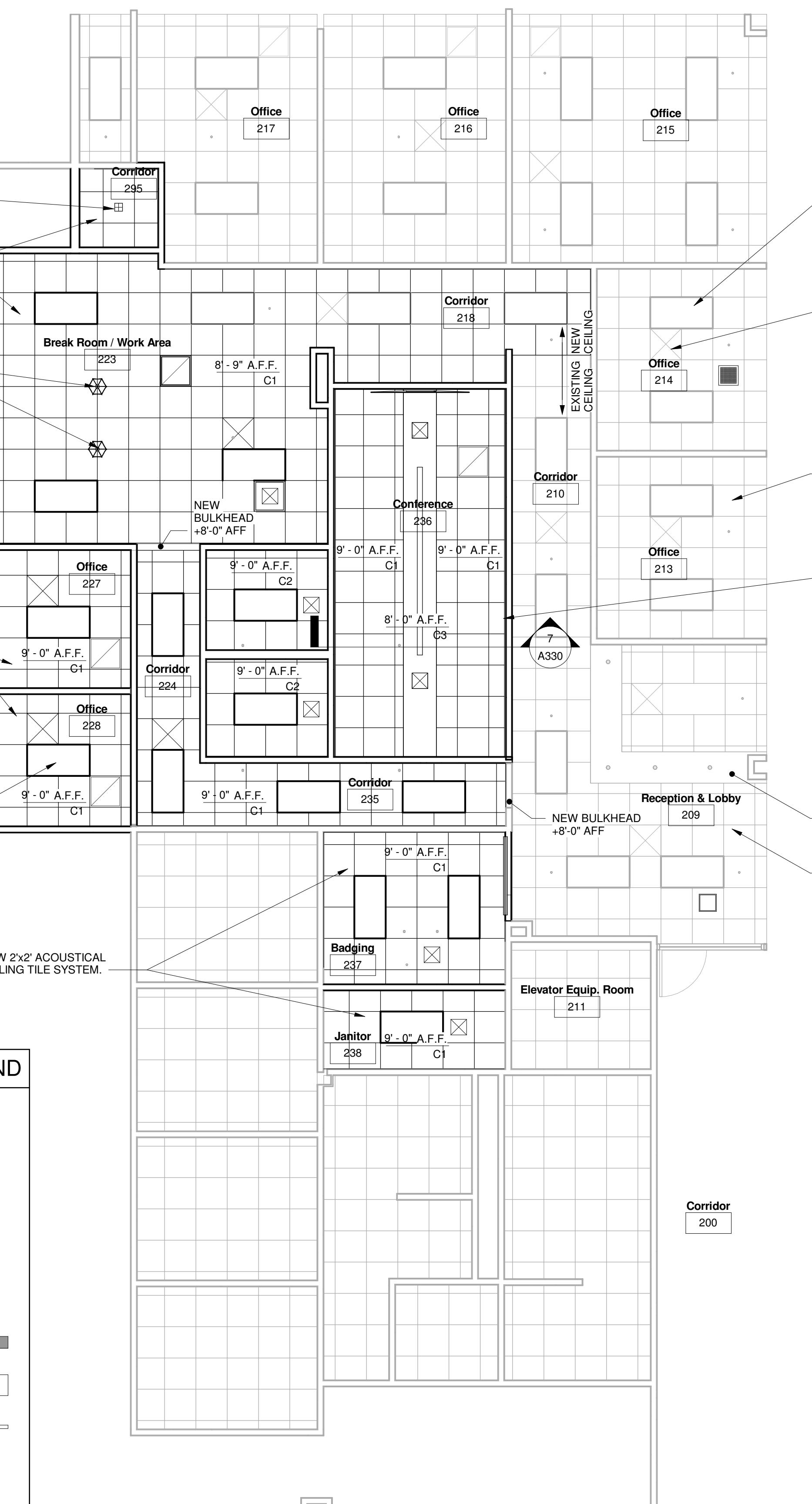
Key Plan  
1" = 200'-0"

FLOOR FINISH LEGEND	
CARPET TILE	F1
LUXURY VINYL TILE (LVT)	F2
12"x12" PORCELAIN TILE	F3

NOTE:  
SEE SHEET A300 FOR ROOM FINISH SCHEDULE.



1 Floor Finish Plan  
A220 3/16" = 1'-0"



Proposed 2nd Floor Reflected  
Ceiling Plan  
A220 3/16" = 1'-0"

NOTE:  
CONTRACTOR SHALL REPLACE ANY DAMAGED CEILING TILES AND TRACK AS REQUIRED DUE TO CONSTRUCTION WORK.

PROJECT LOCATION

PROJECT MANAGER: A.Kiesau  
PROJ NO: A1536A19  
DATE: 05/01/2020

CONSTRUCTION SET  
DRAWING NO.

A220

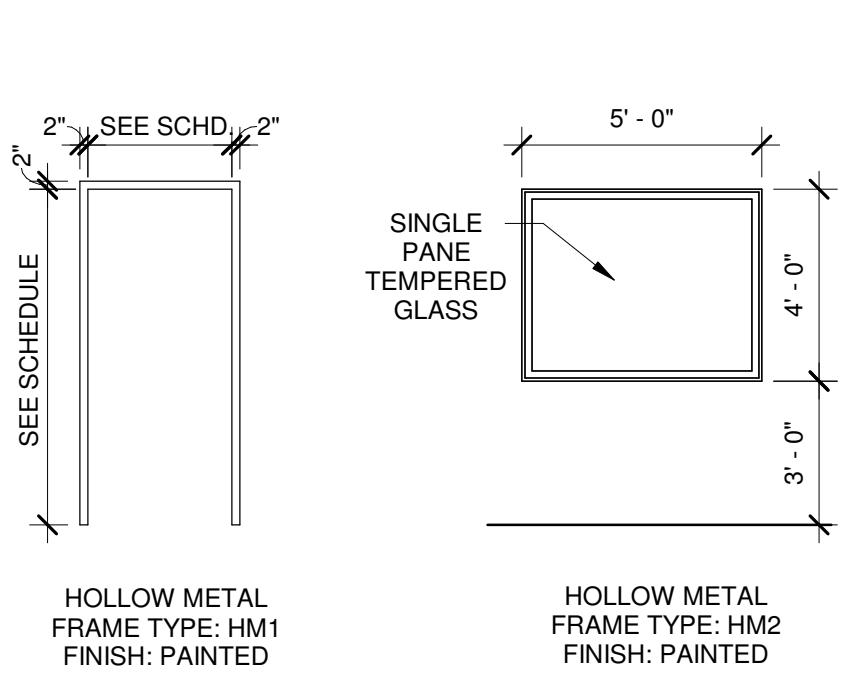
## DOOR SCHEDULE

NO.	WIDTH	HEIGHT	LOCATION	FRAME	DOOR	TYPE	GROUP	REMARKS
213a	3' - 0"	7' - 0"	Office	HM1	D1	-		Existing to remain, paint frame
214a	3' - 0"	7' - 0"	Office	HM1	D1	-		Existing to remain, paint frame
215a	3' - 0"	7' - 0"	Office	HM1	D1	-		Existing to remain, paint frame
216a	3' - 0"	7' - 0"	Office	HM1	D1	-		Existing to remain, paint frame
217a	3' - 0"	7' - 0"	Office	HM1	D1	-		Existing to remain, paint frame
225a	3' - 0"	7' - 0"	Unisex	HM1	D1	Existing		Install salvaged door and frame
226a	3' - 0"	7' - 0"	Unisex	HM1	D1	1		Match existing
227a	3' - 0"	7' - 0"	Office	HM1	D1	Existing		Install salvaged door and frame
228a	3' - 0"	7' - 0"	Office	HM1	D1	Existing		Install salvaged door and frame
236a	3' - 0"	7' - 0"	Conference	HM1	D1	Existing		Install salvaged door and frame
236b	3' - 0"	7' - 0"	Conference	HM1	D1	Existing		Install salvaged door and frame
238a	3' - 0"	7' - 0"	Janitor	HM1	D1	Existing		Install salvaged door and frame
295a	3' - 0"	7' - 0"	Corridor	HM1	D1	1		Match existing
295b	3' - 0"	7' - 0"	Corridor	HM1	D1	2		Match existing plus card reader

## WINDOW SCHEDULE

Type Mark	R.O.	Width	Height	Type	Material	Finish	Glazing	Thickness	Type	Head Height	Comments
HM2		5' - 0"	4' - 0"	Fixed	HM	Painted			Tempered	7' - 0"	

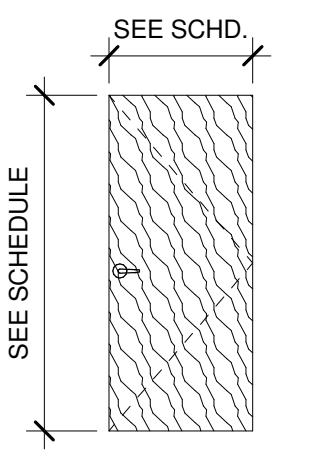
## HOLLOW METAL FRAMES



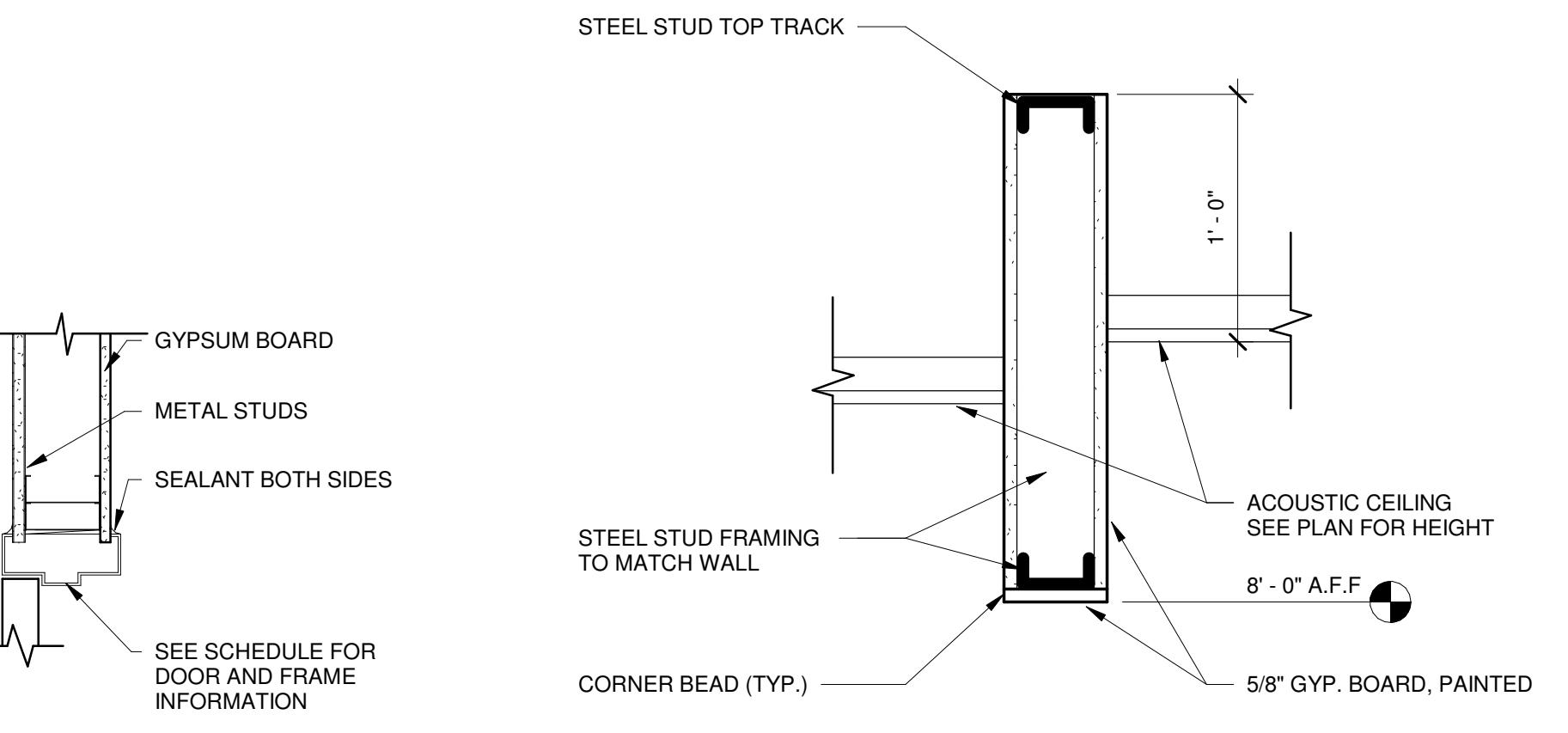
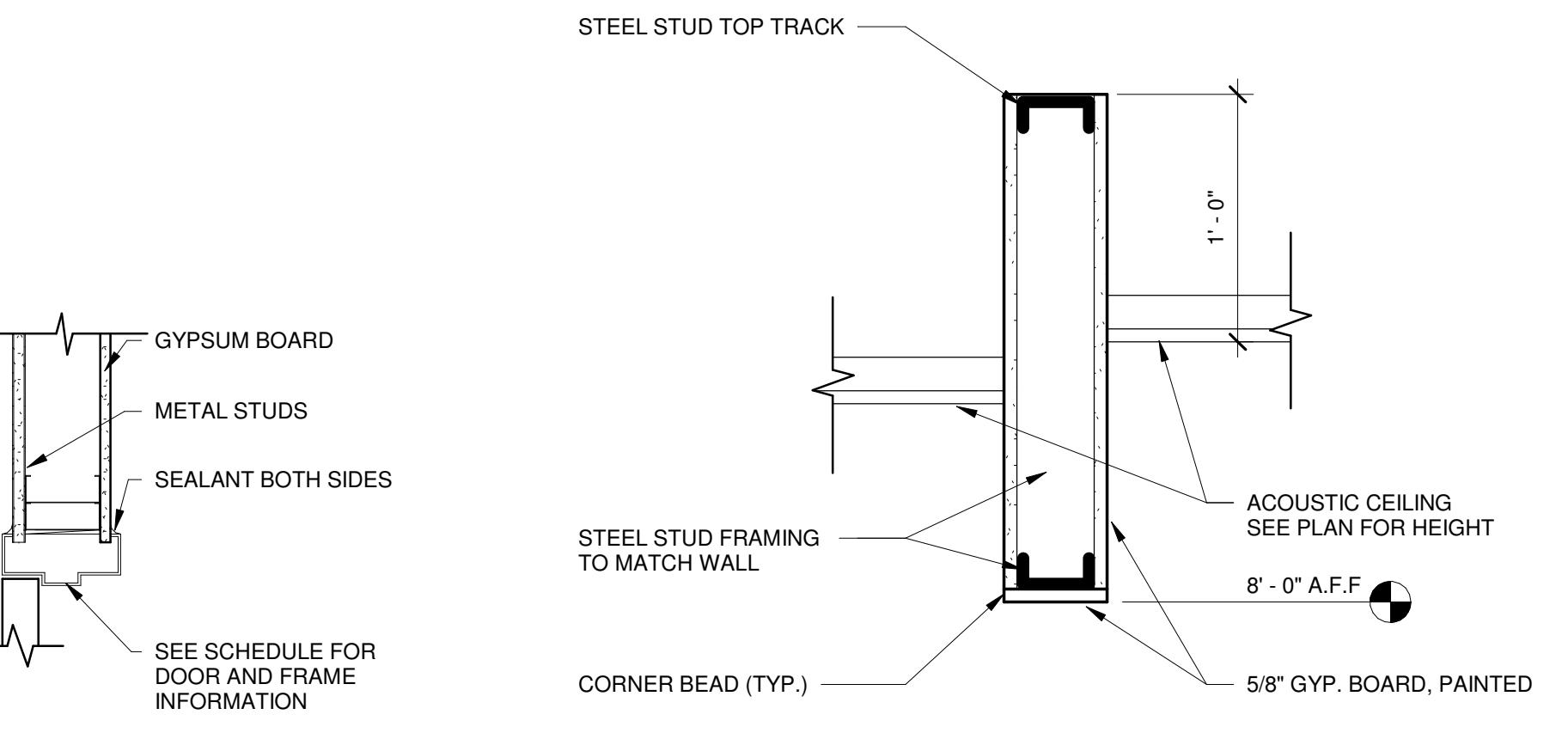
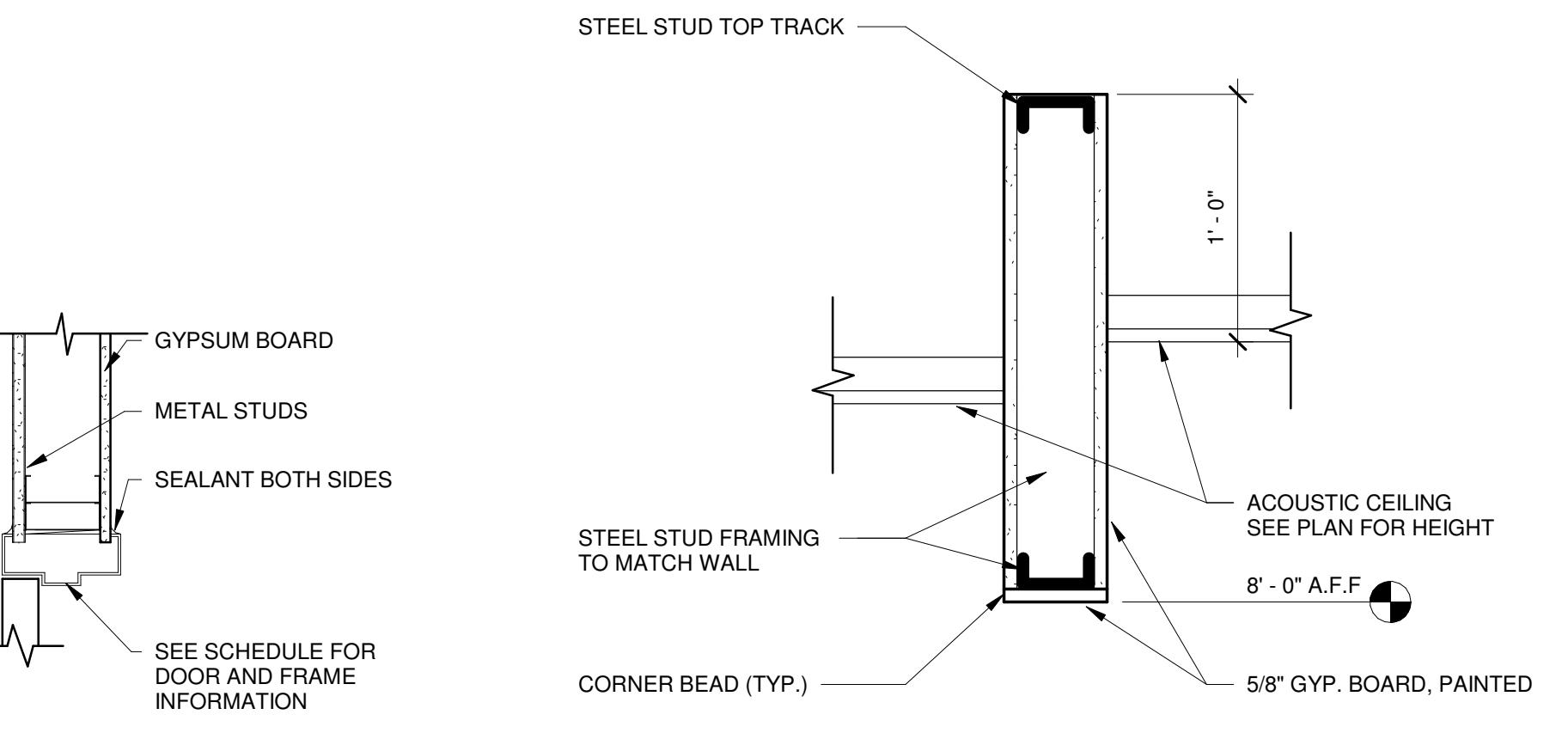
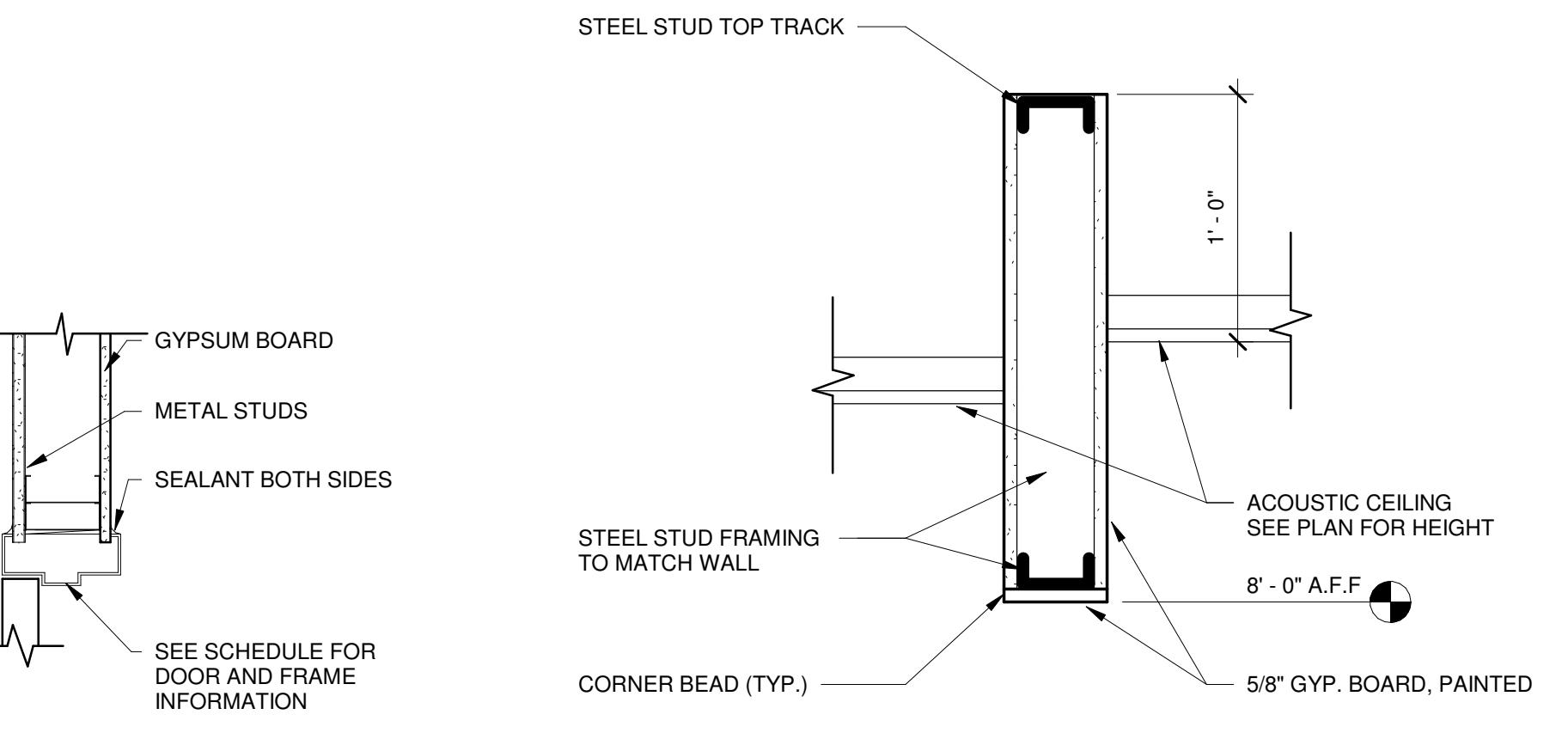
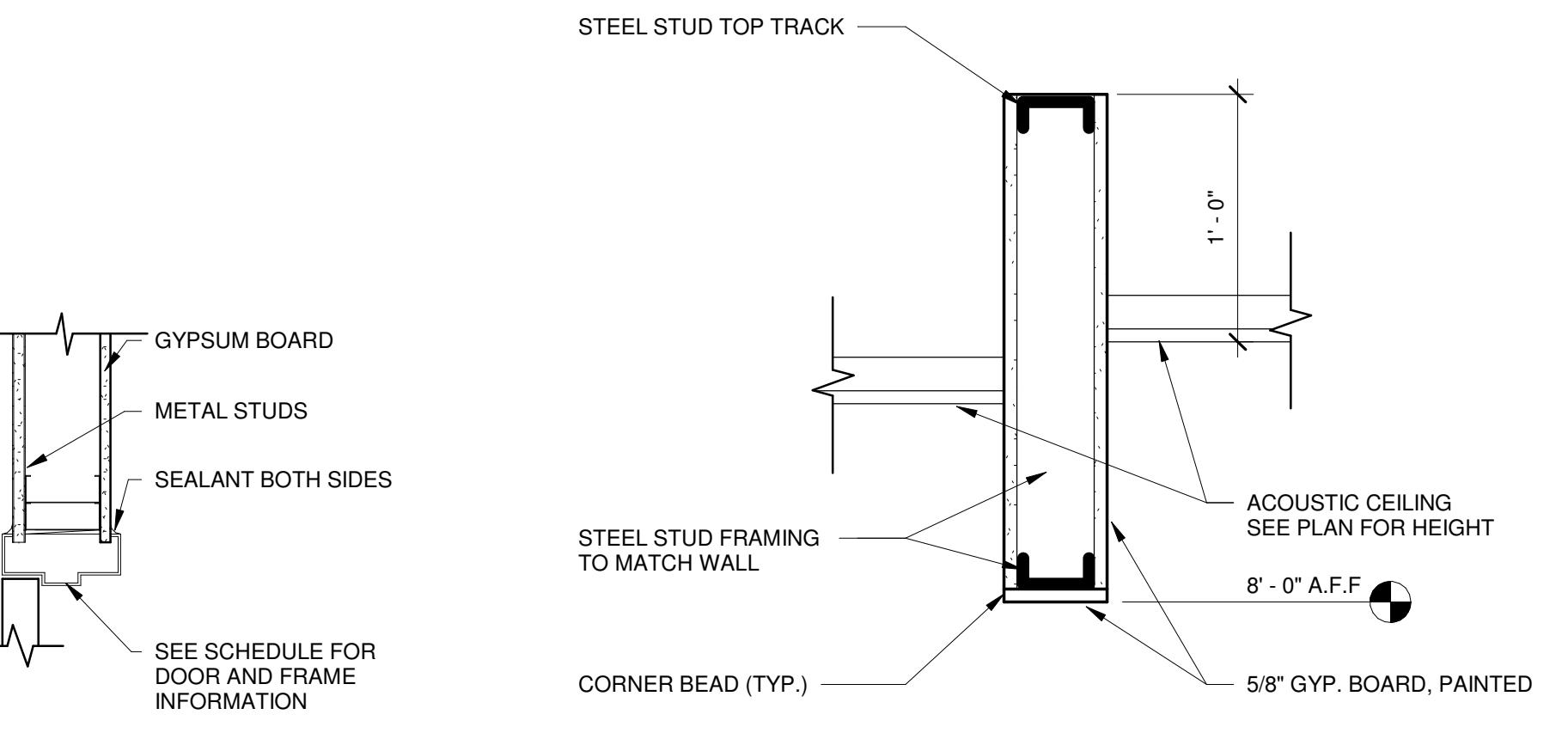
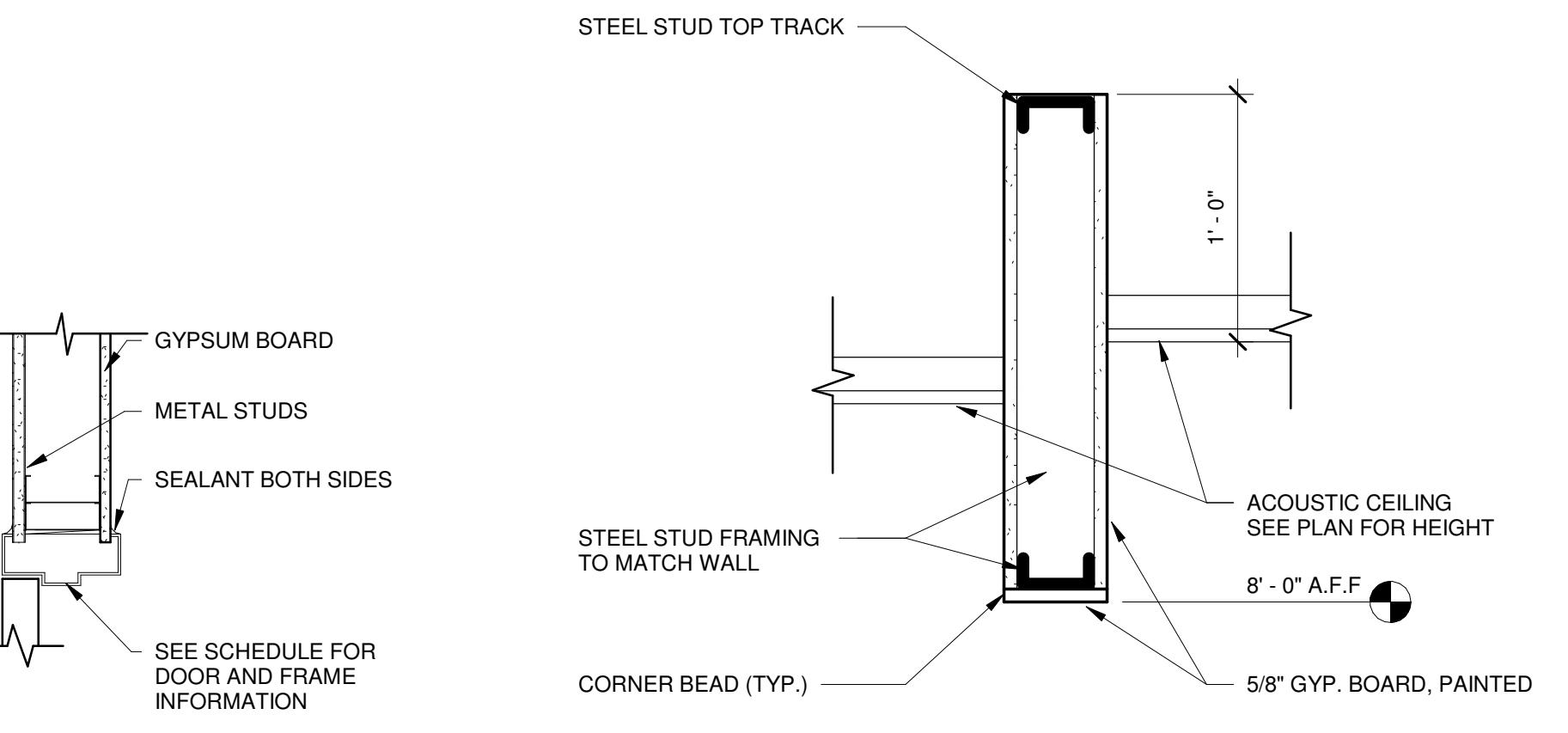
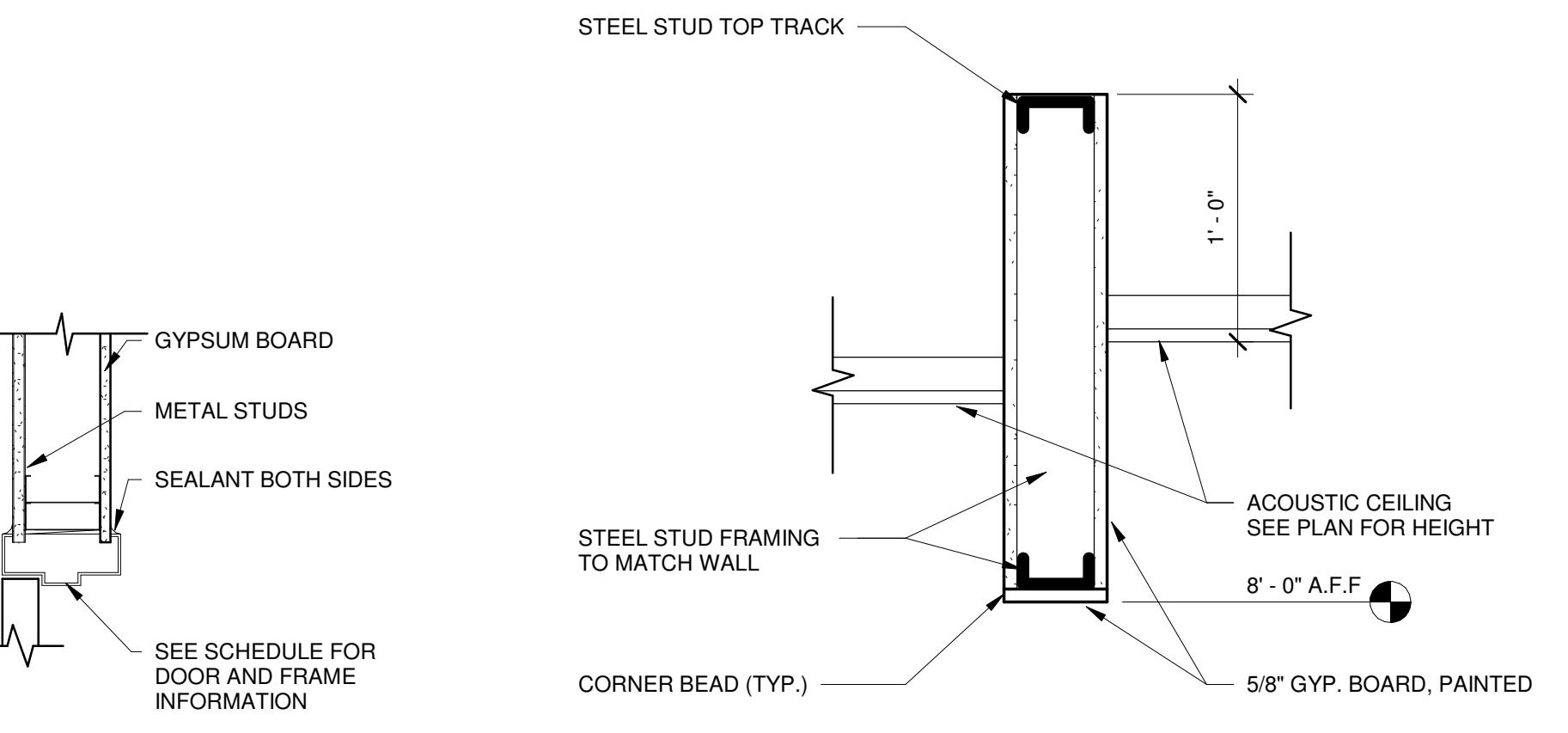
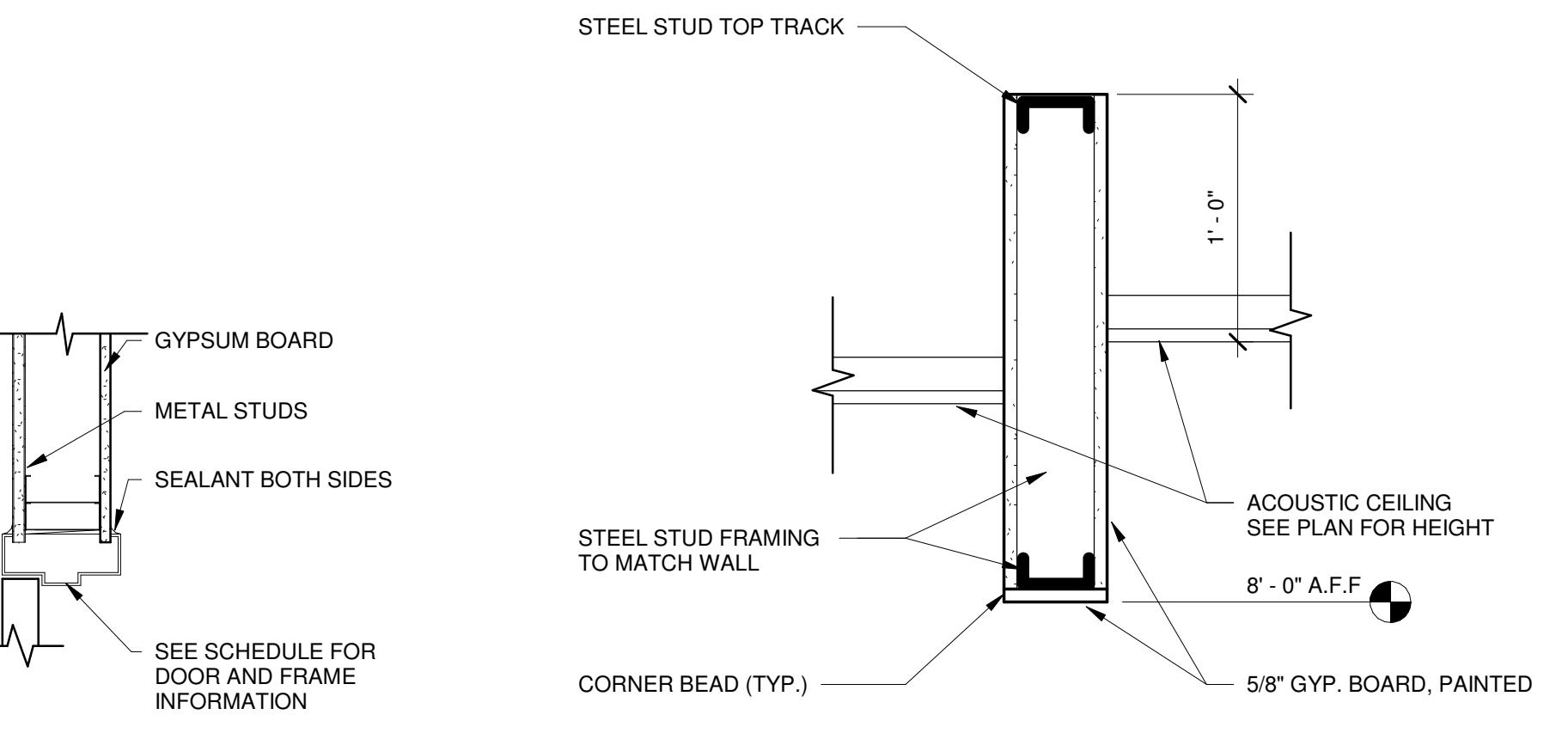
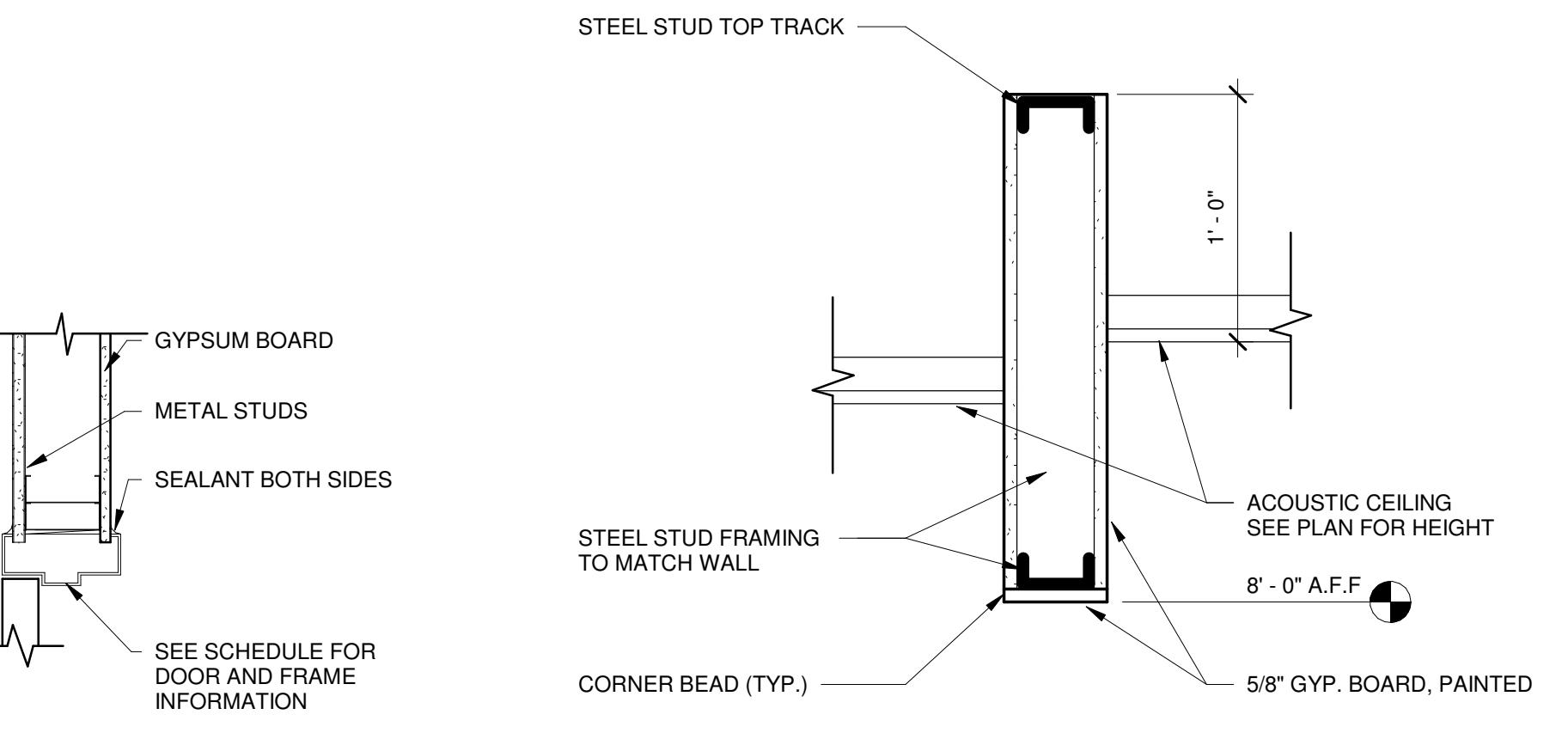
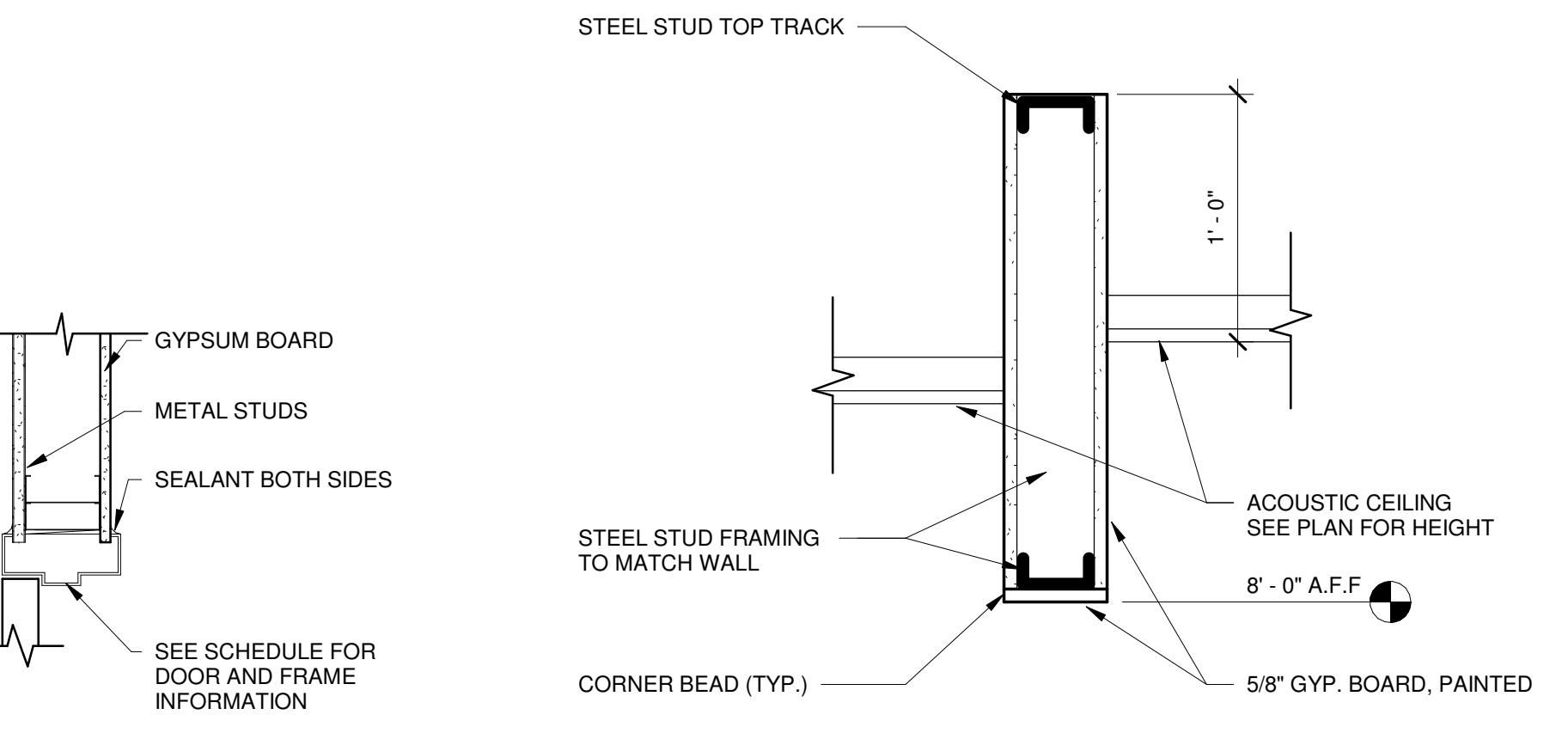
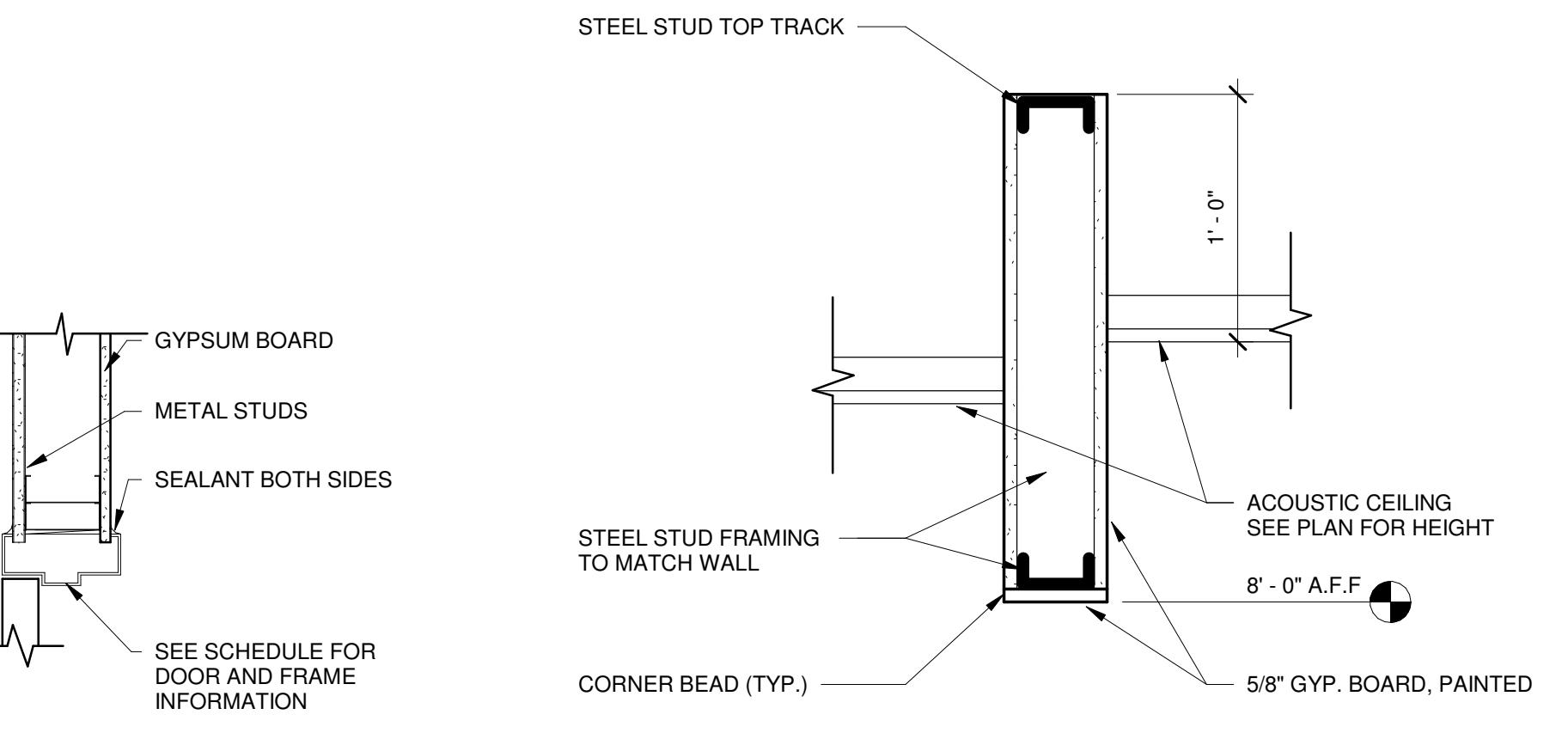
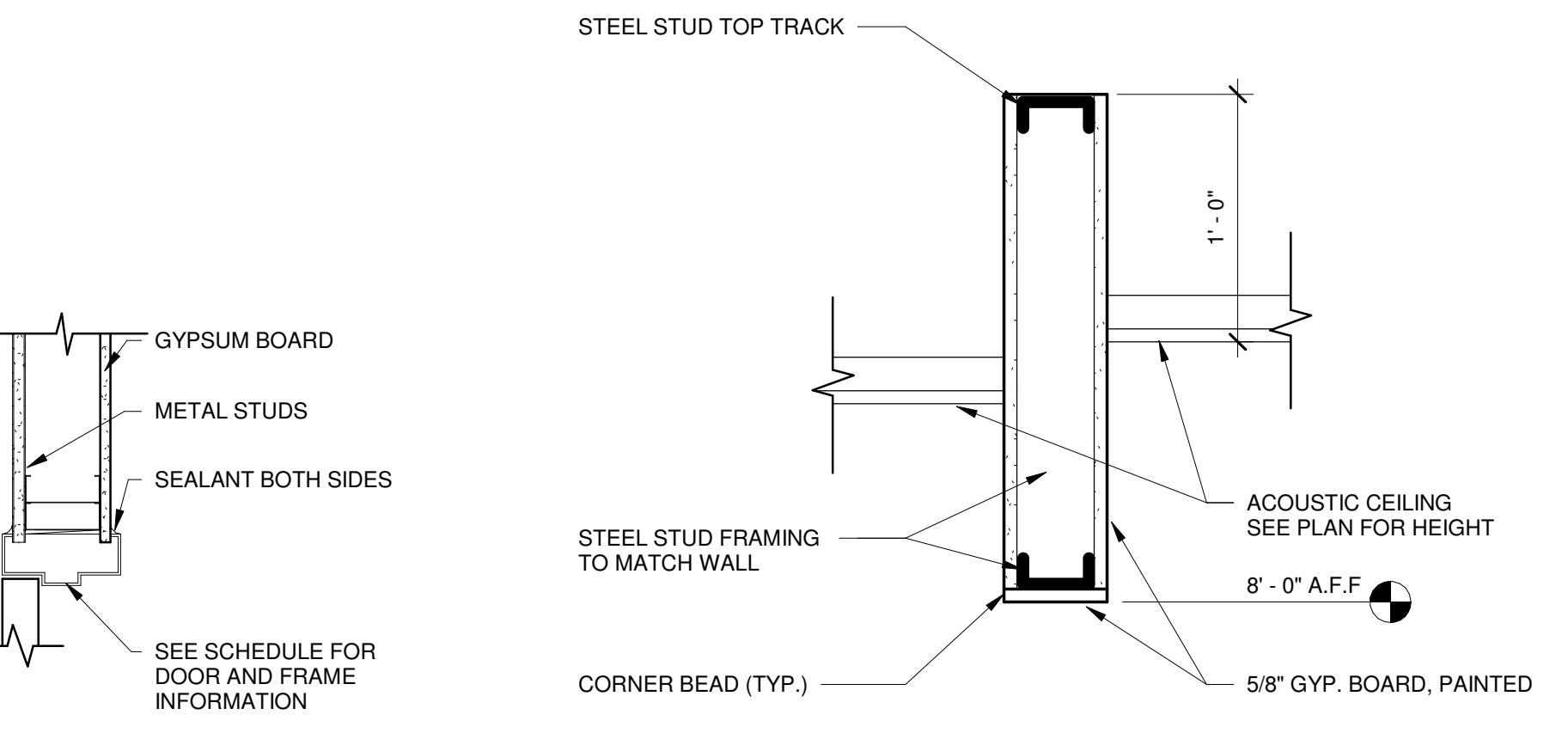
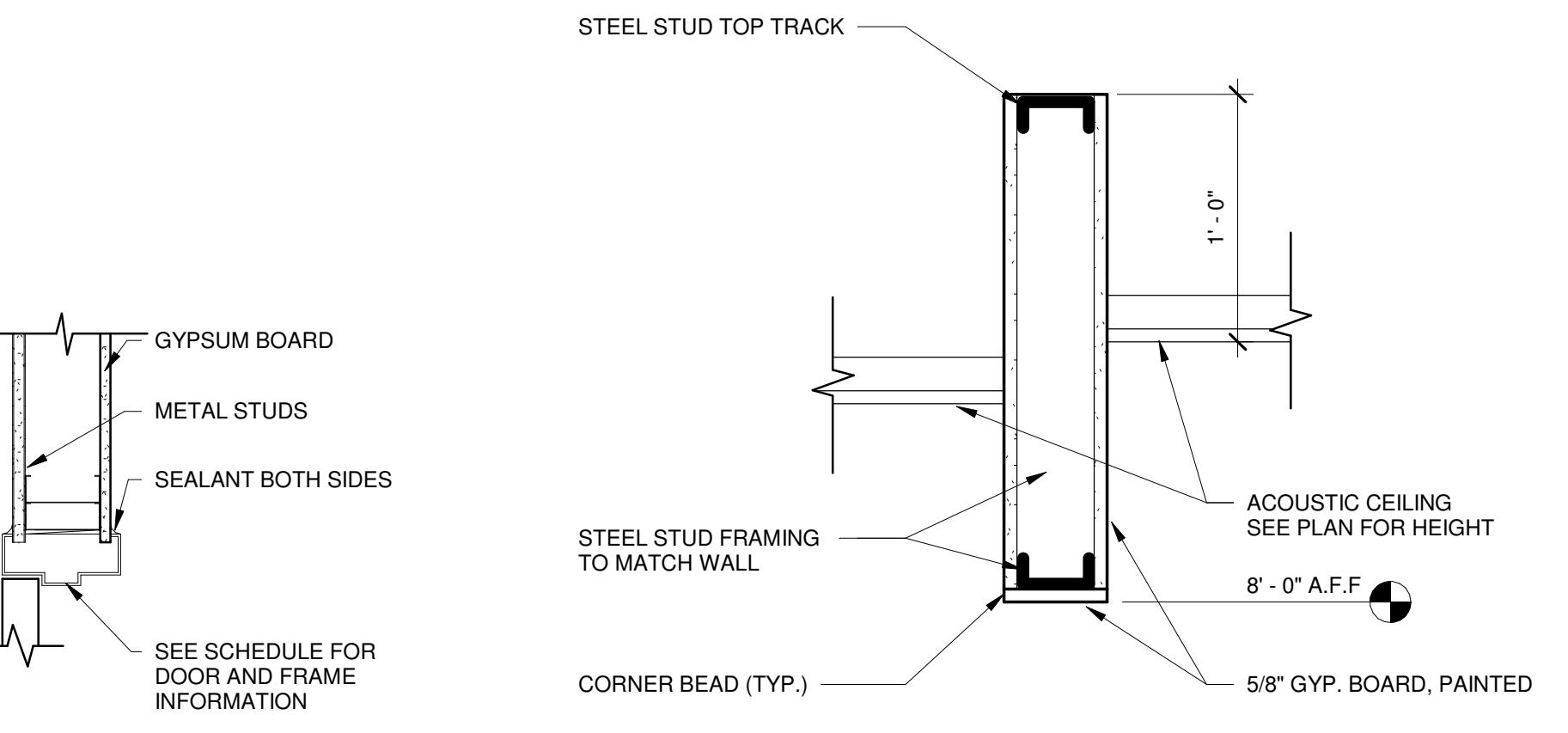
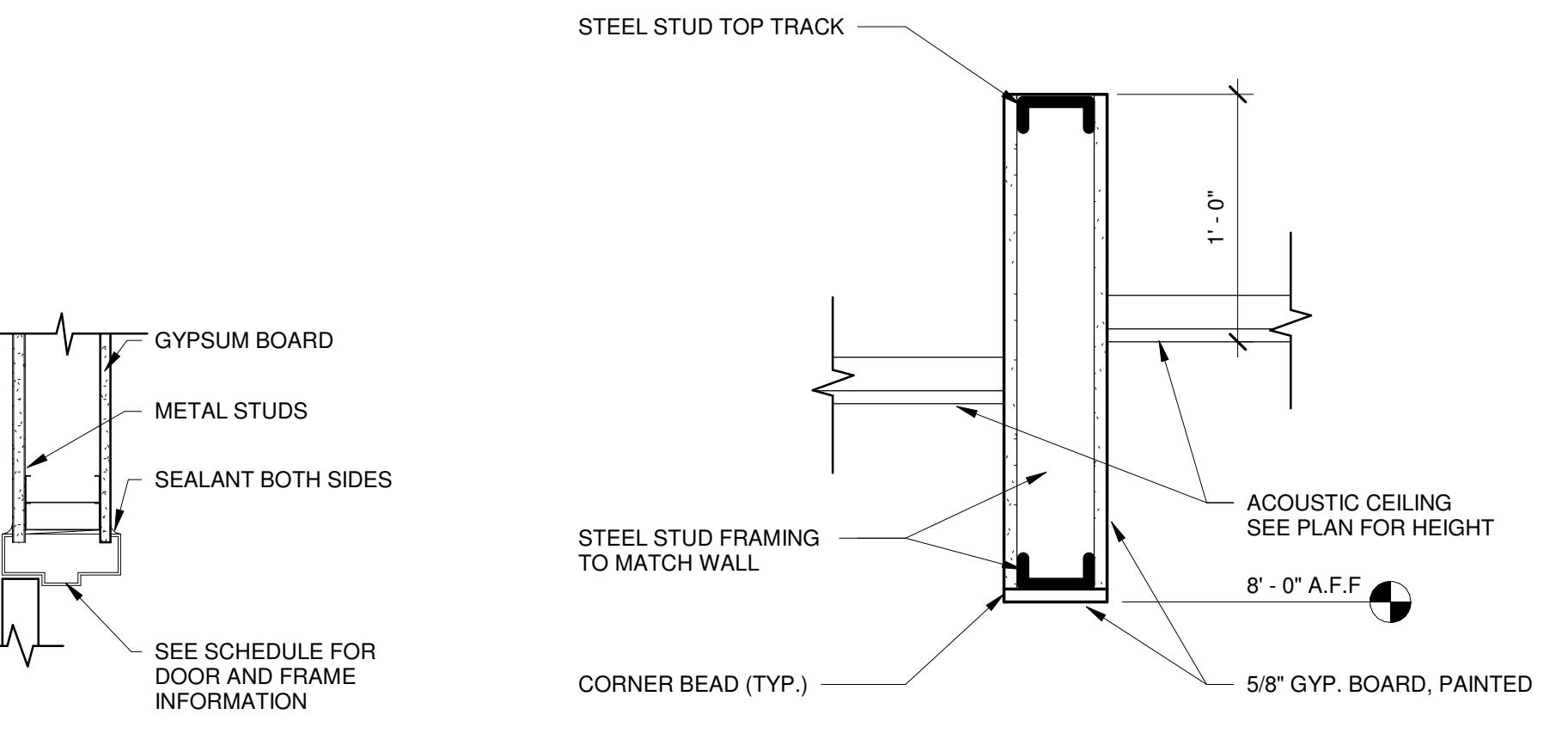
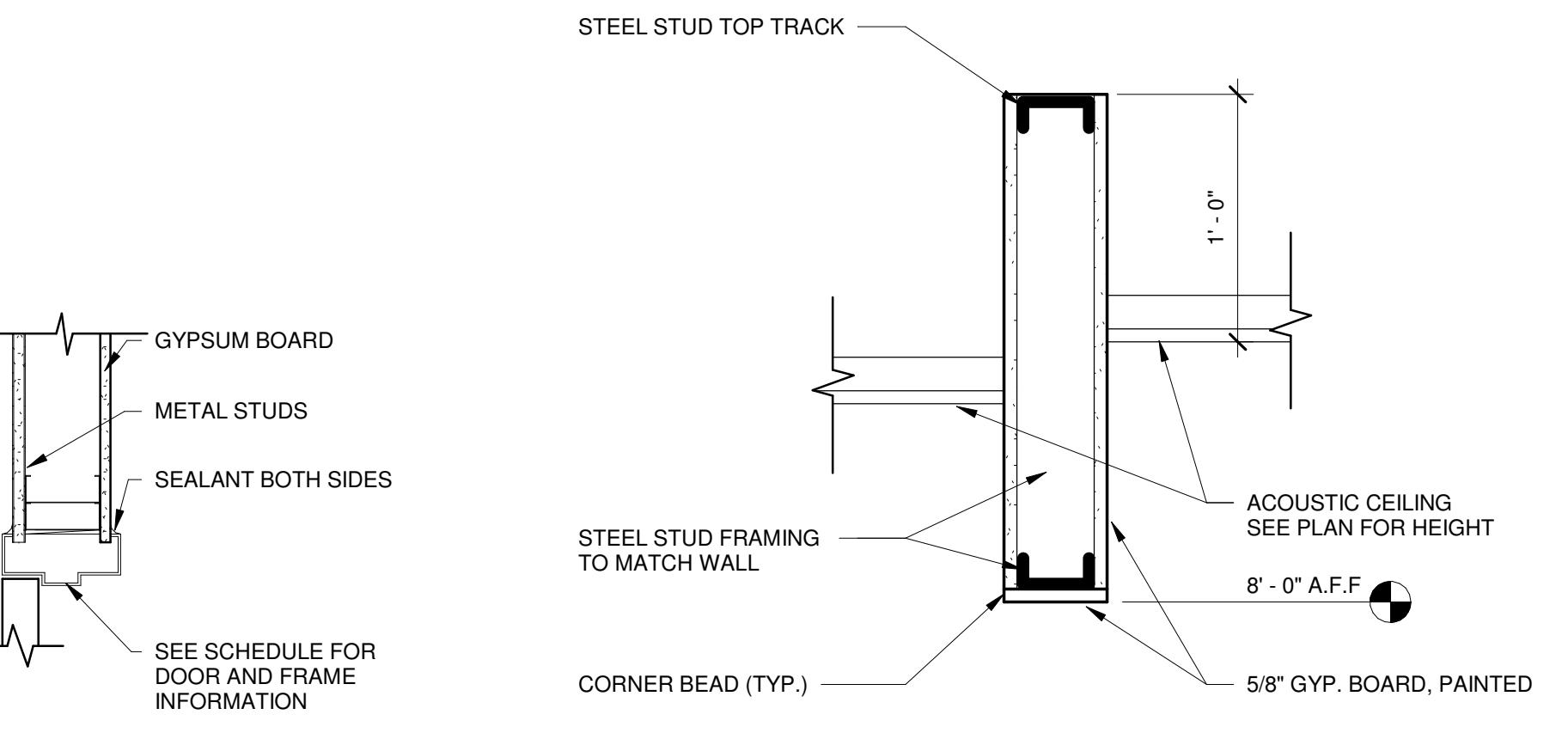
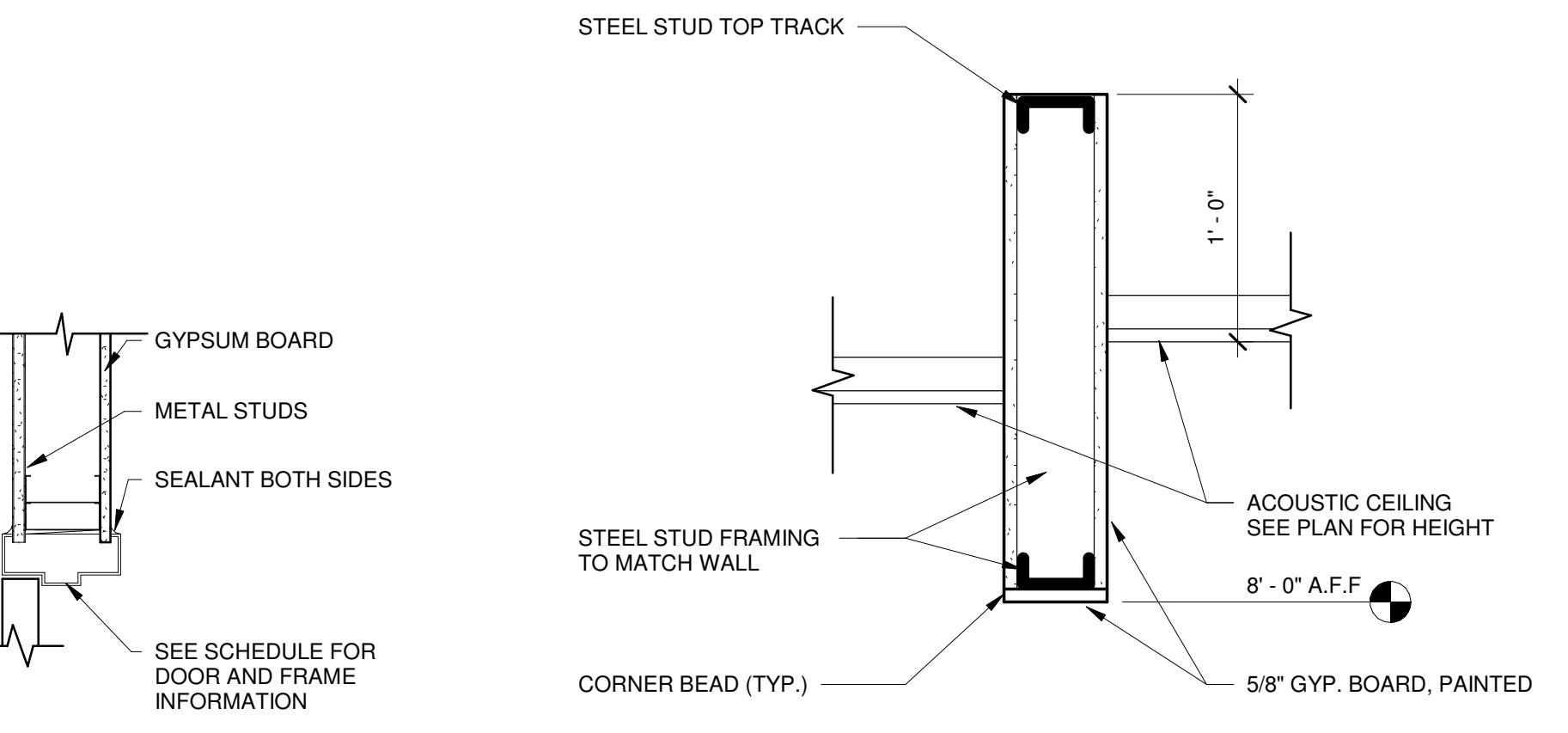
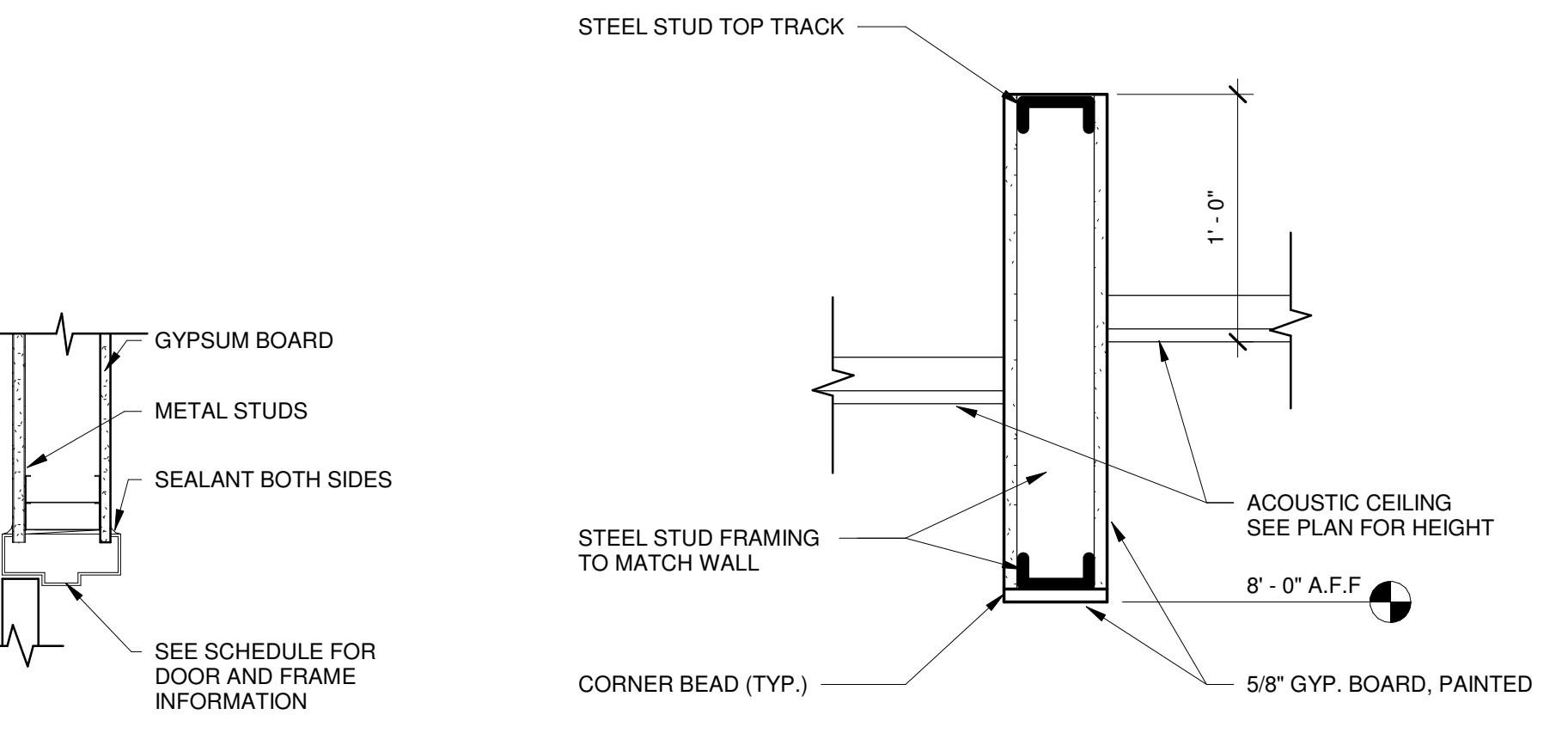
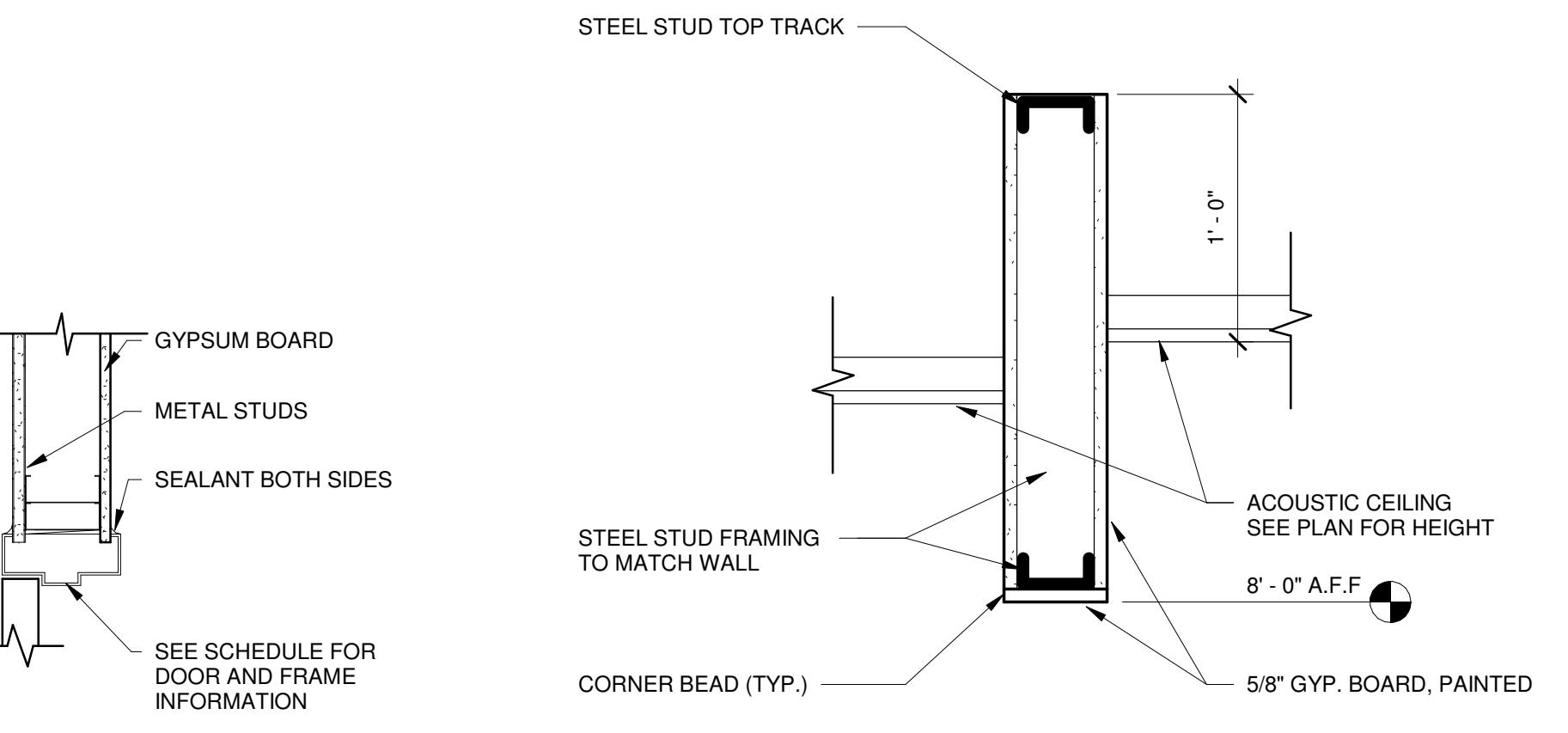
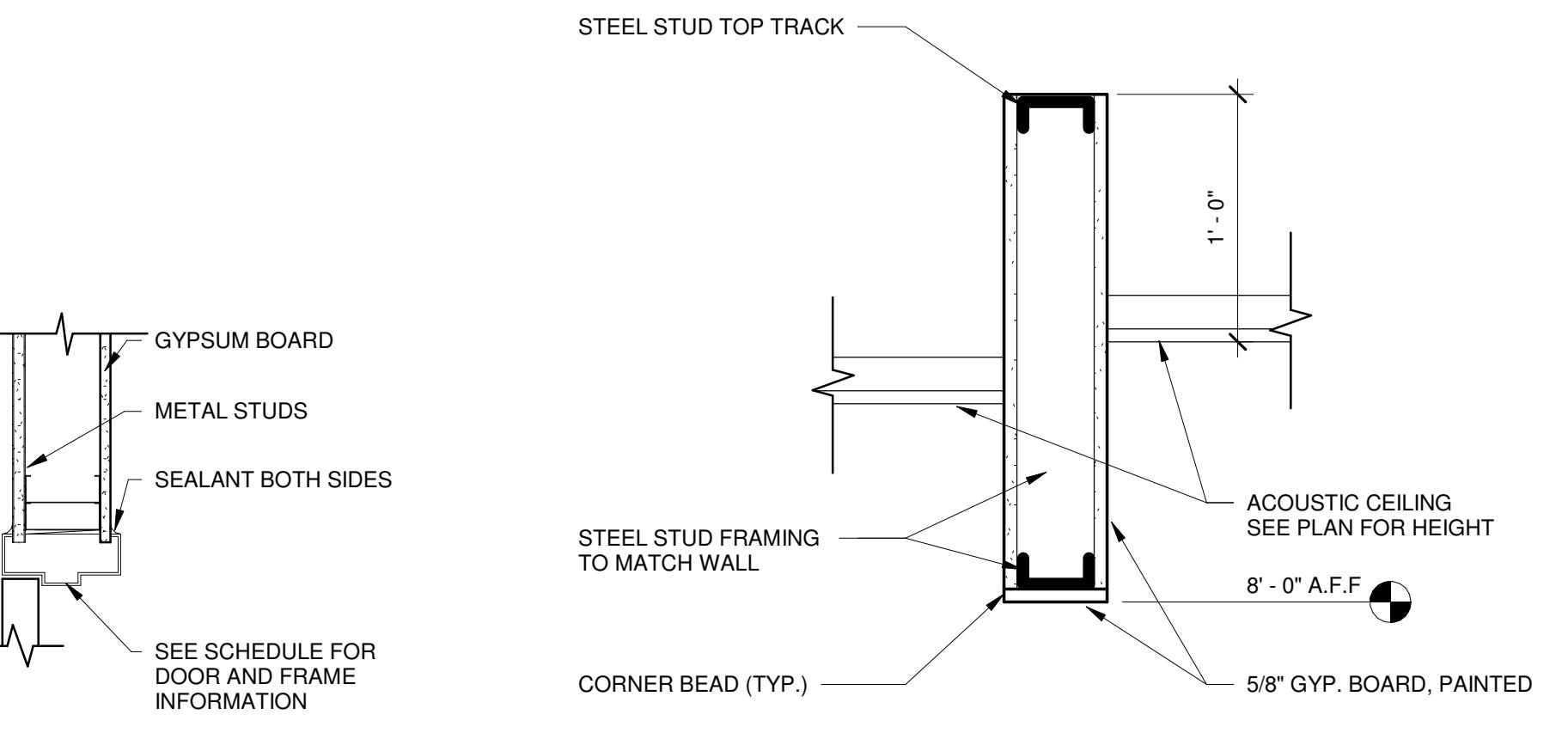
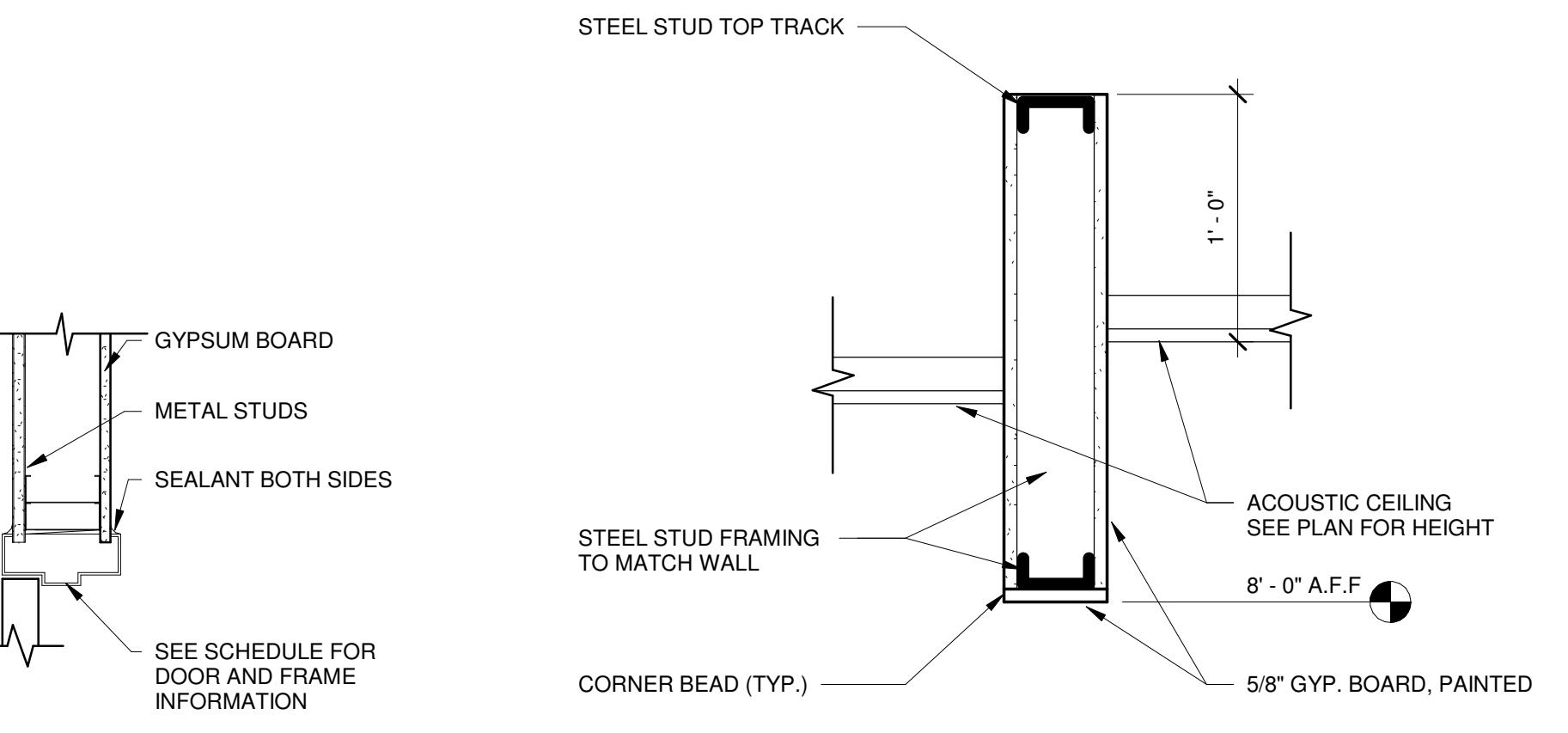
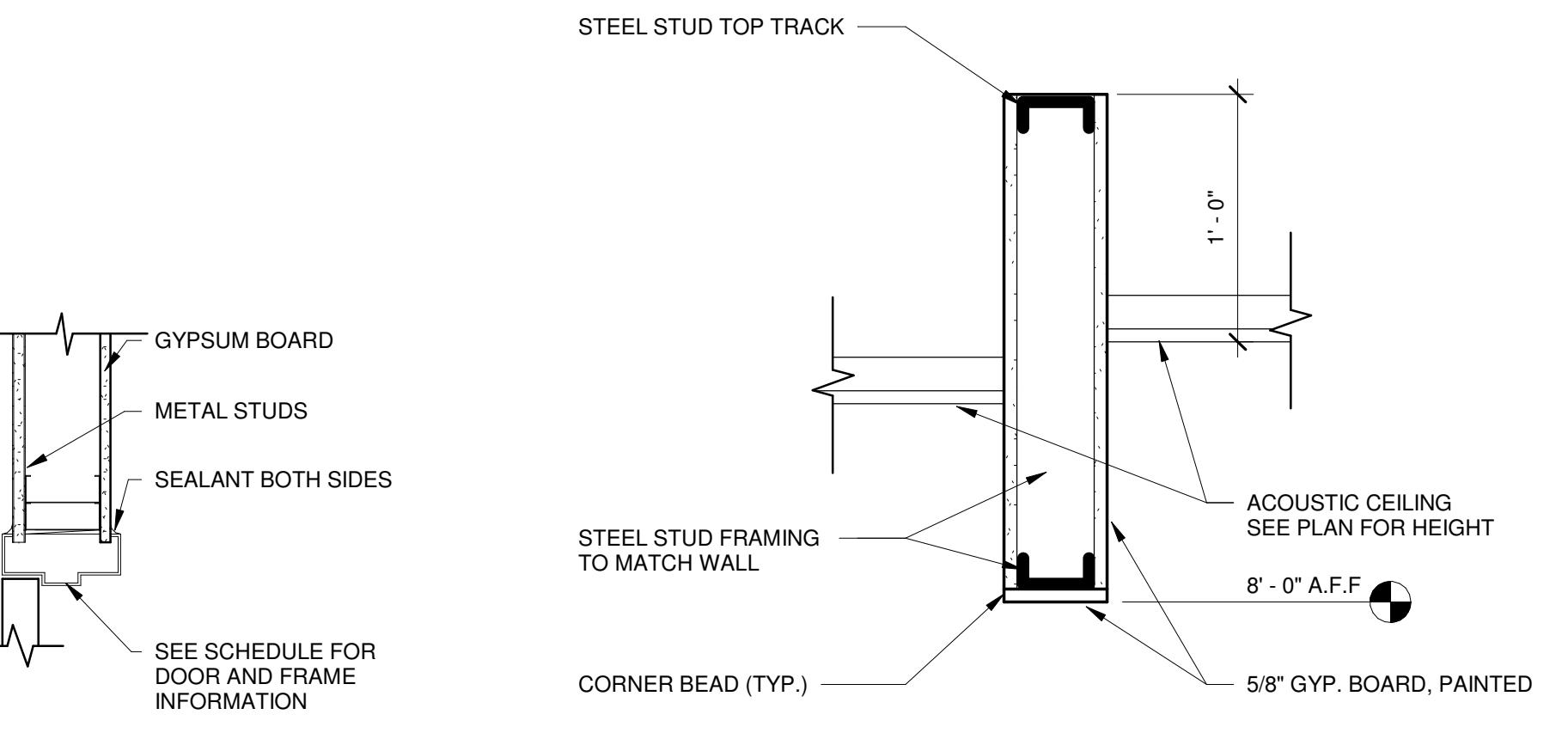
HOLLOW METAL FRAME TYPE: HM1 FINISH: PAINTED

HOLLOW METAL FRAME TYPE: HM2 FINISH: PAINTED

## DOOR ELEVATIONS



DOOR TYPE:D1 INTERNAL SOLID CORE BIRCH VENEER DOOR PLAIN SLICED (MATCH EXISTING) FINISH: CLEAR STAINED (MATCH EXISTING)

1 Door Jamb Detail  
A300 1 1/2" = 1'-0"  
(DOOR HEADER SIMILAR)2 Bulkhead Detail  
A300 1 1/2" = 1'-0"  
(2 LOCATIONS TYP.)1 Door Jamb Detail  
A300 1 1/2" = 1'-0"  
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A300 1 1/2" = 1'-0"  
(2 LOCATIONS TYP.)1 Door Jamb Detail  
A300 1 1/2" = 1'-0"  
(DOOR HEADER SIMILAR)2 Bulkhead Detail  
A300 1

# Appleton International Airport

## W6390 Challenger Drive

Appleton

OMNI  
ASSOCIATES

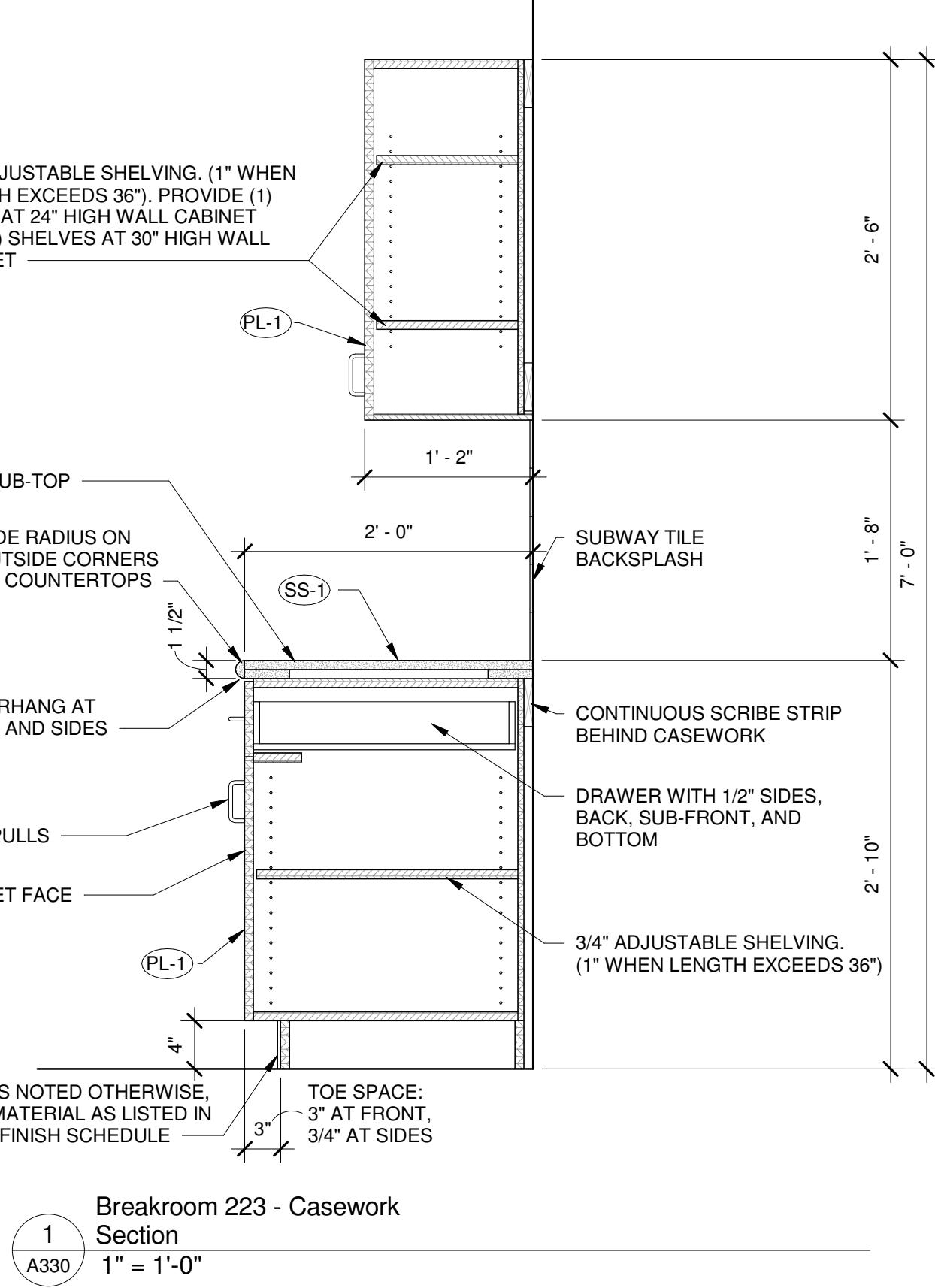
ONE SYSTEMS DRIVE  
APPLETON, WI 54914  
PHONE (920) 755-6800  
(820) 630-6100  
FAX

REV. DATE DESCRIPTION

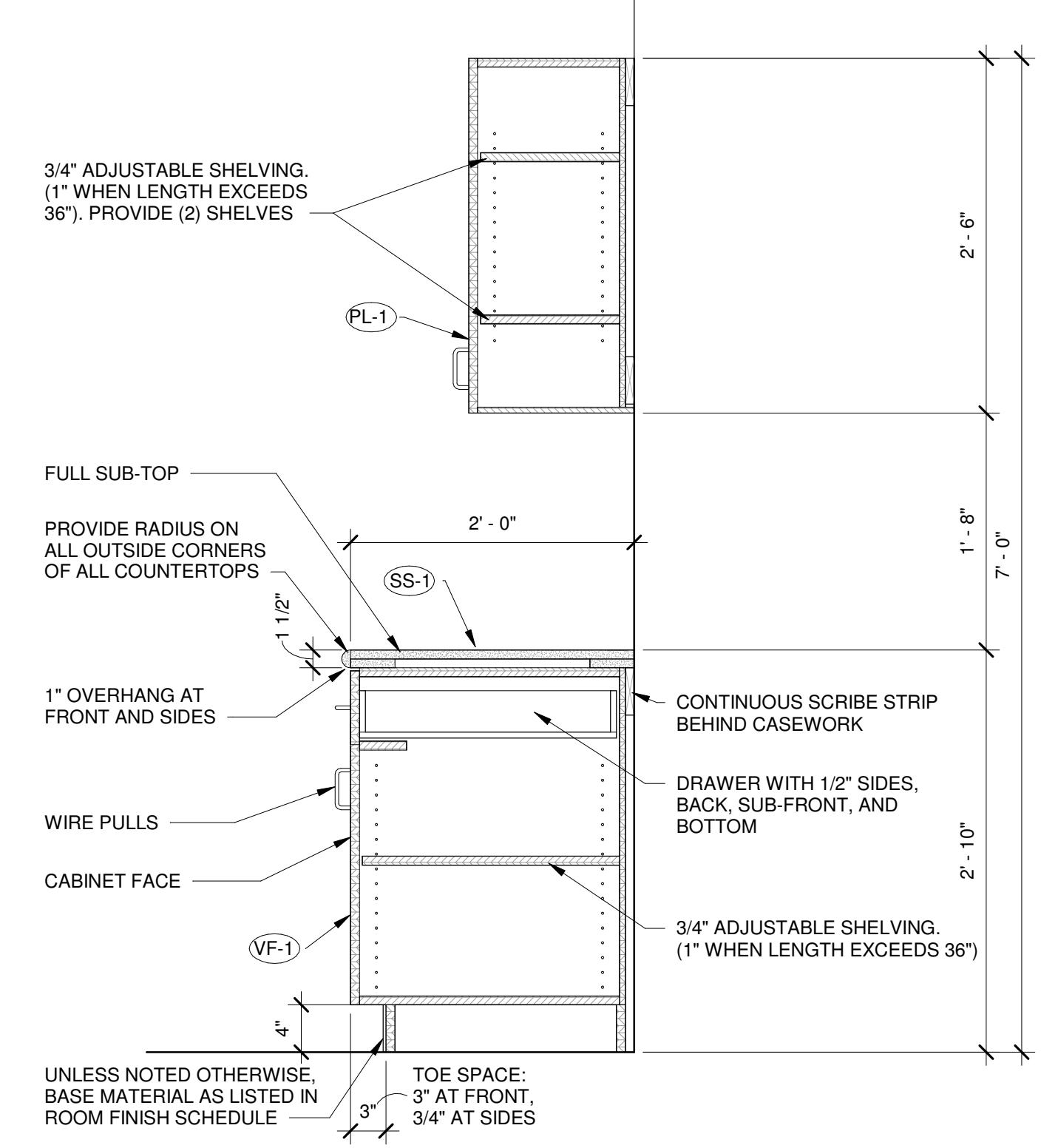
### Administrative Office Remodel

PROJECT MANAGER: Author  
PROJ NO: A1536A19  
DATE: 05/01/2020  
CONSTRUCTION SET  
DRAWING NO.  
**A330**

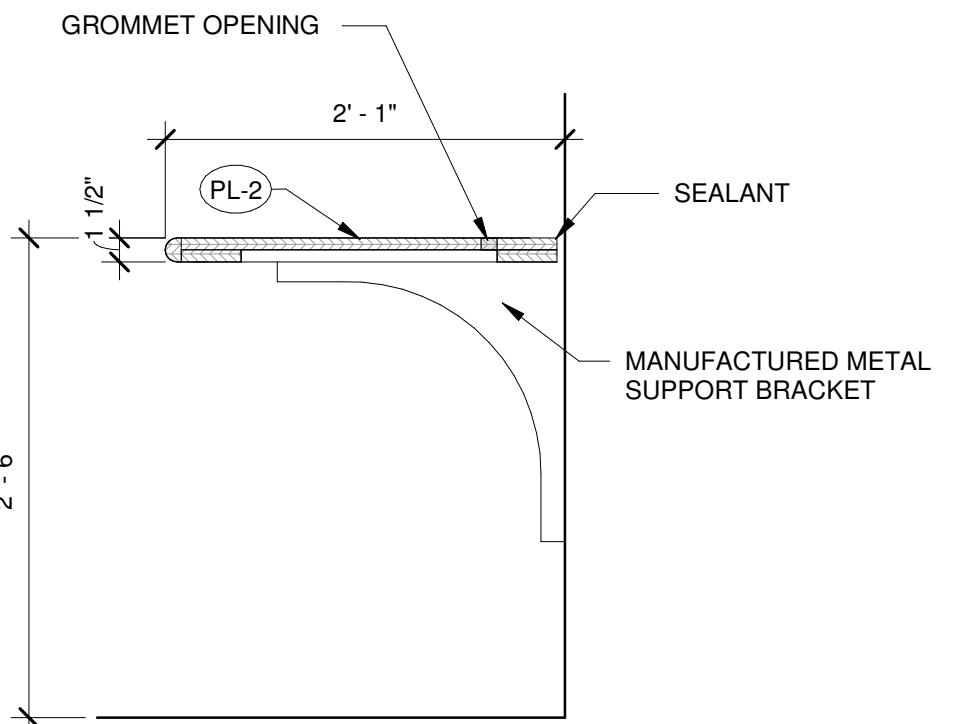
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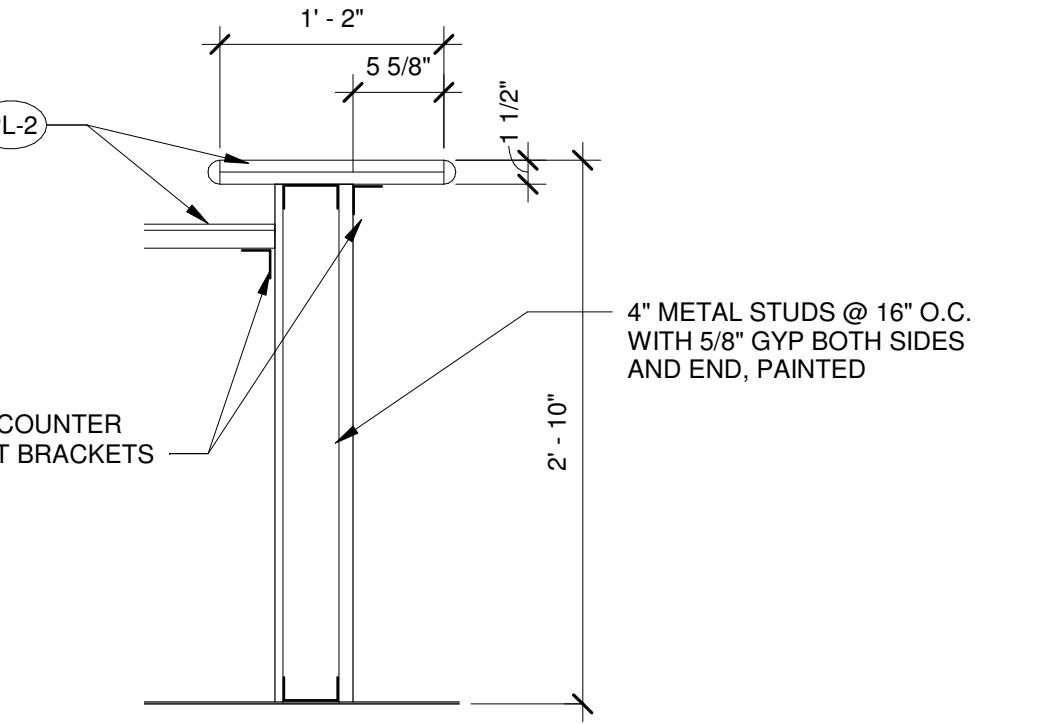
1 Breakroom 223 - Casework Section  
A330 1" = 1'-0"



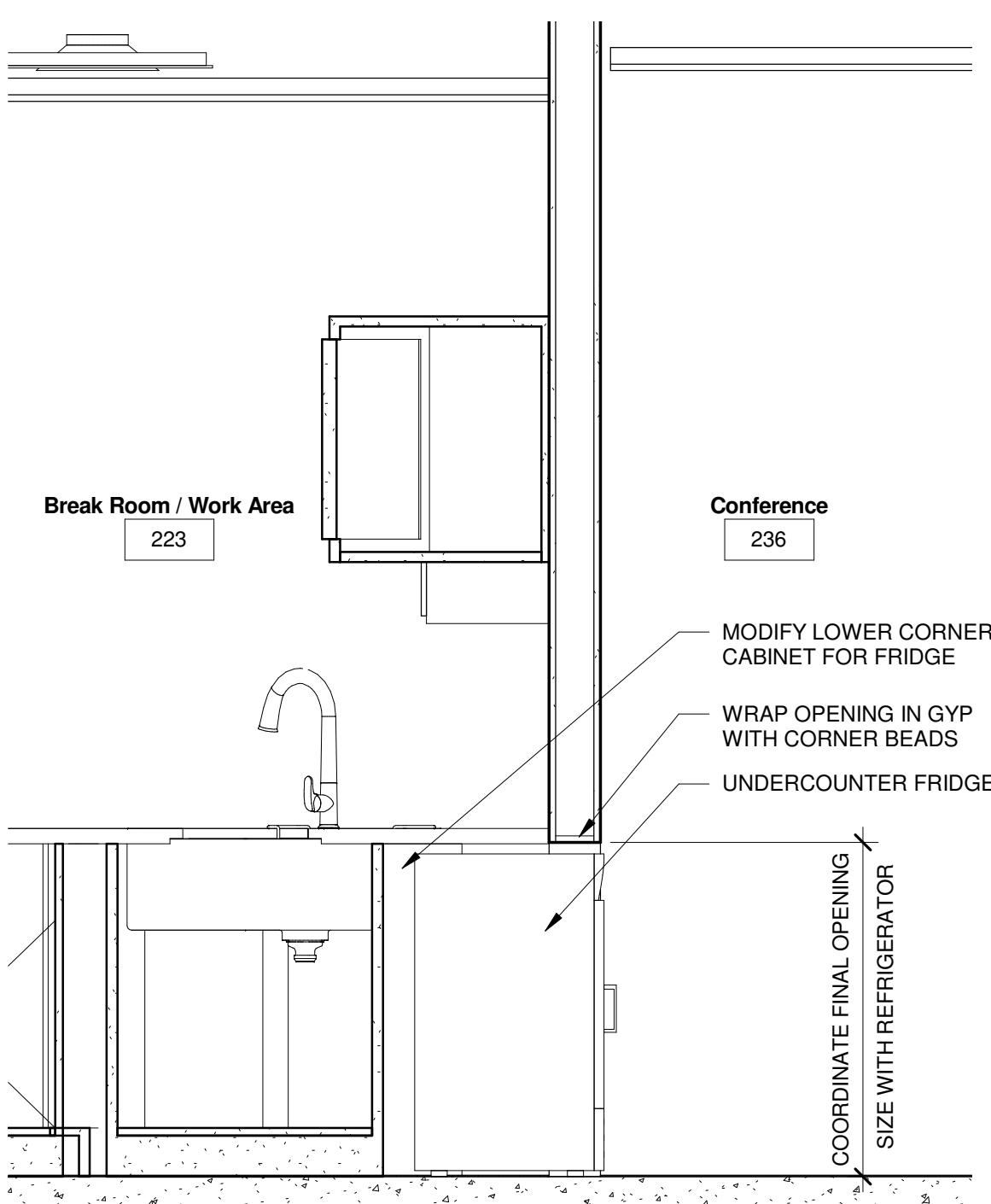
2 Corridor 218 - Casework Section  
A330 1" = 1'-0"



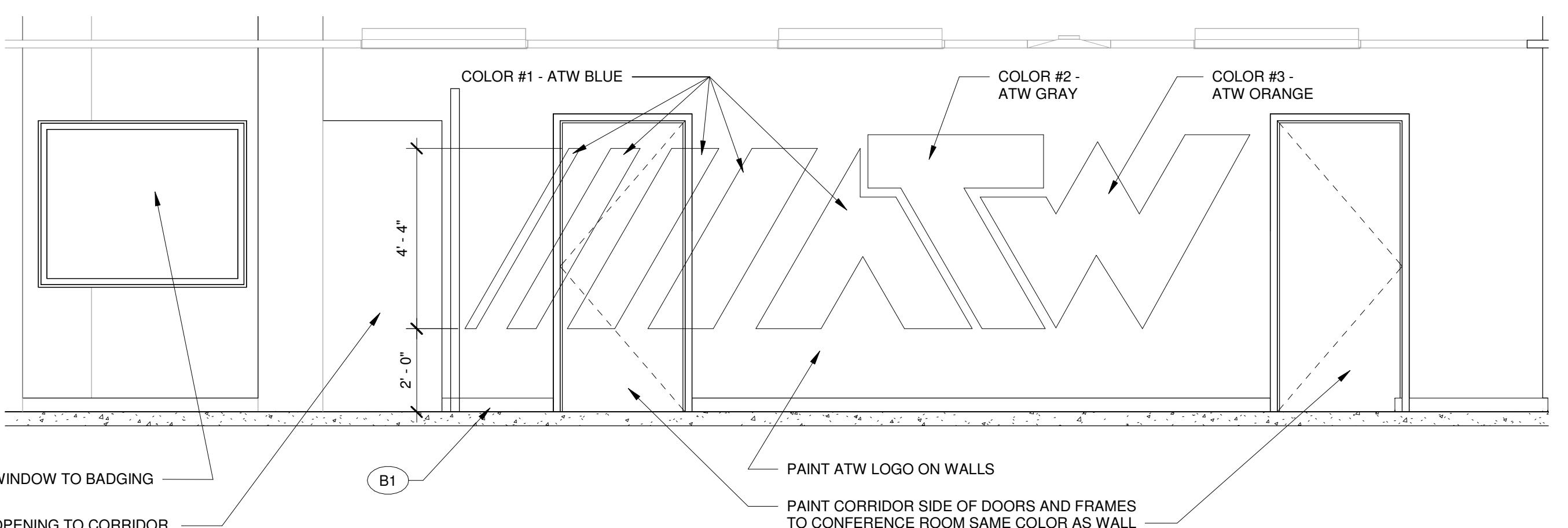
3 Badging Area - Counter Support  
A330 1" = 1'-0"



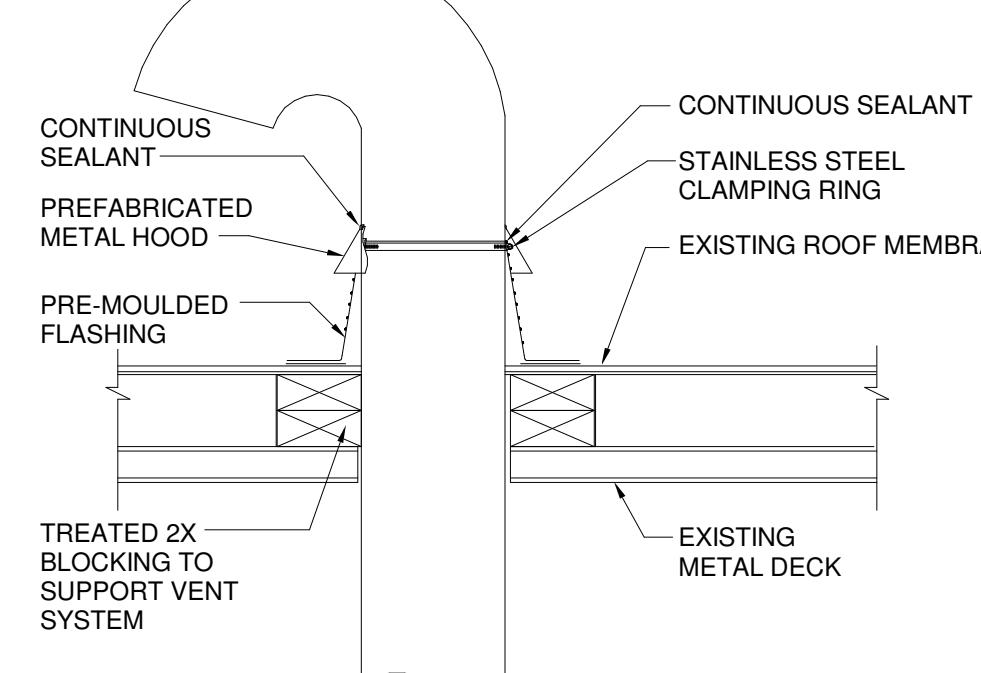
4 Badging Area - High Counter Support  
A330 1" = 1'-0"



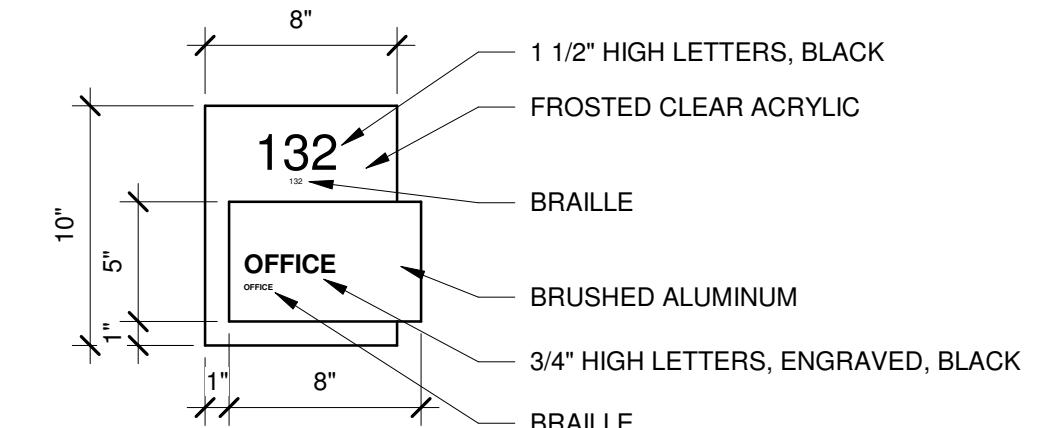
5 Section  
A330 3/4" = 1'-0"  
(LOOKING WEST)



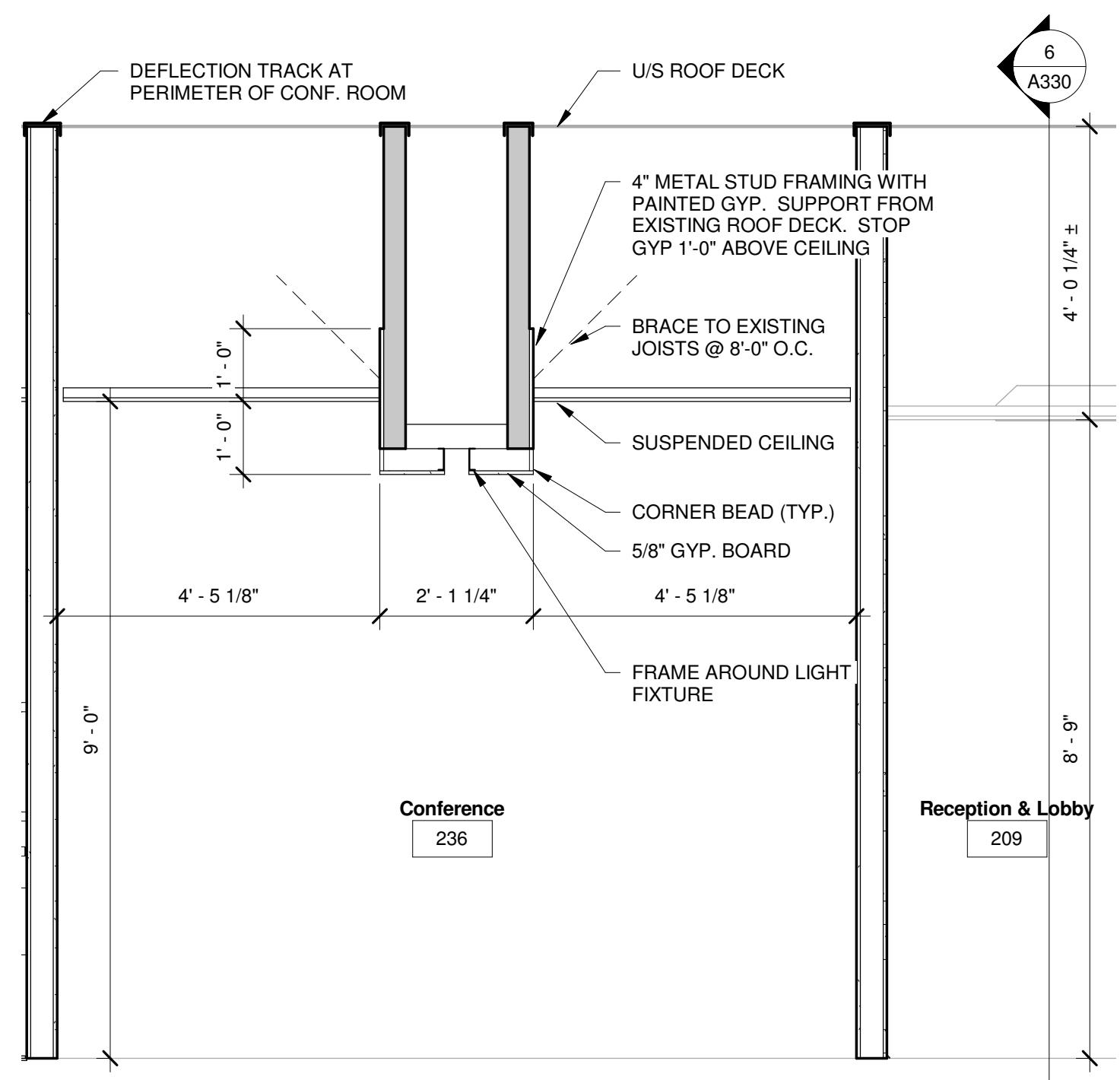
6 Corridor Wall Elevation  
A330 3/8" = 1'-0"  
(LOOKING SOUTH)



7 Roof Opening Detail - Exhaust Fan Vent Duct  
A580 1 1/2" = 1'-0"



8 Interior Room Signage  
A580 1 1/2" = 1'-0"



9 Section - Conference Room  
A330 1/2" = 1'-0"  
(LOOKING WEST)

1

WI

# Appleton International Airport

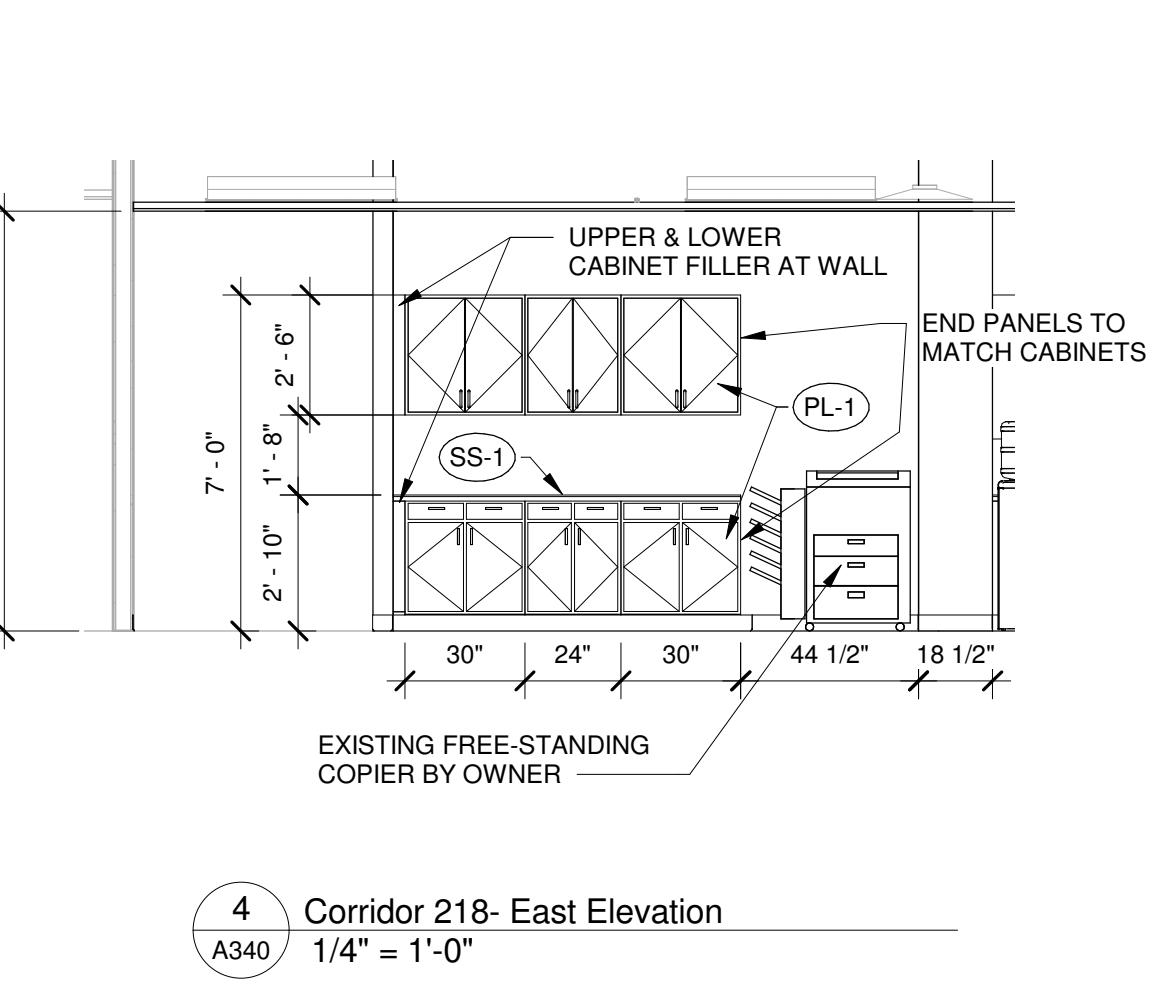
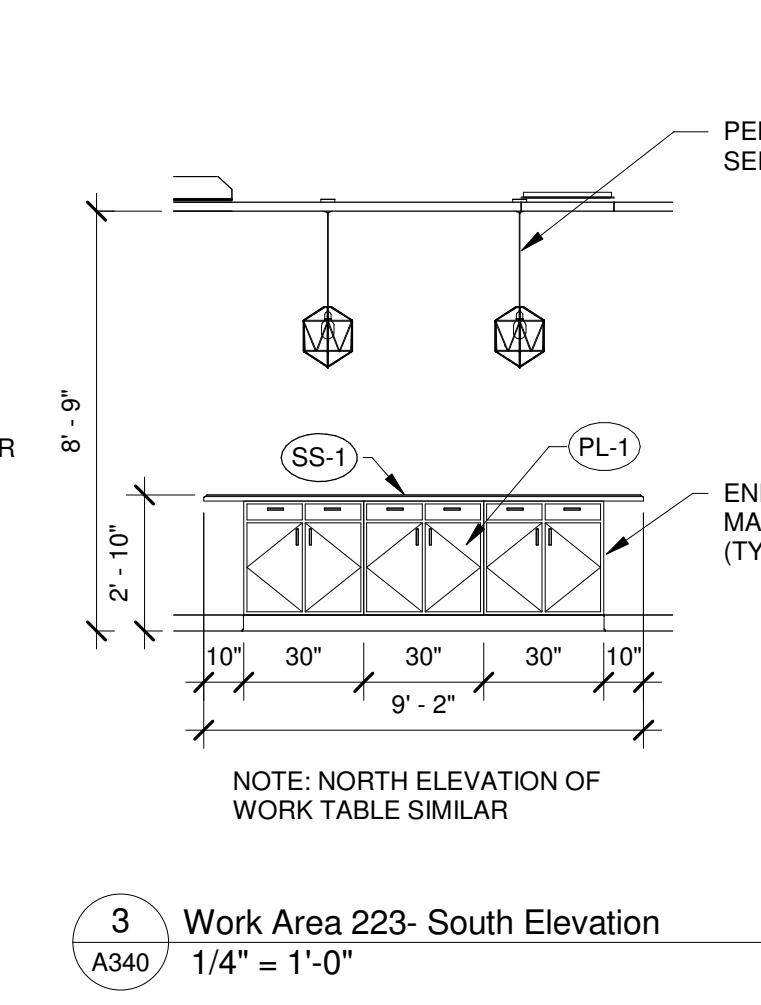
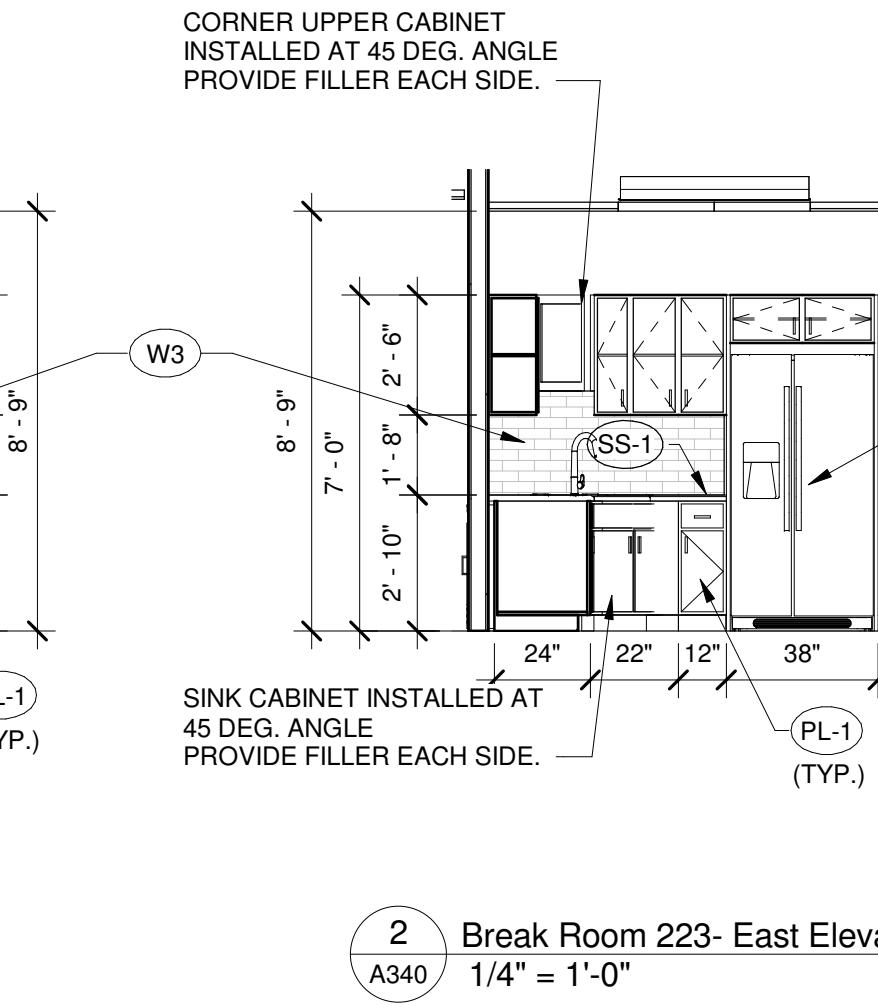
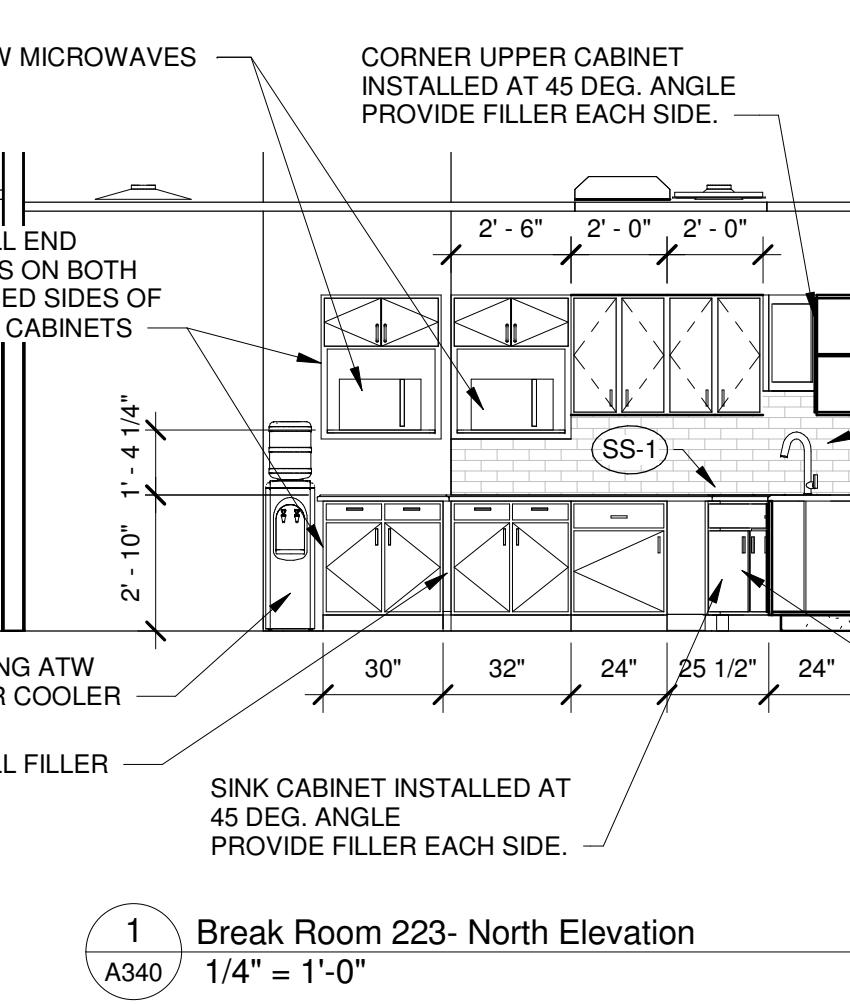
Appleton

OMNI  
ASSOCIATES

ONE SYSTEMS DRIVE PHONE (920) 755-6500  
APPLETON, WI 54914 FAX (920) 634-6100

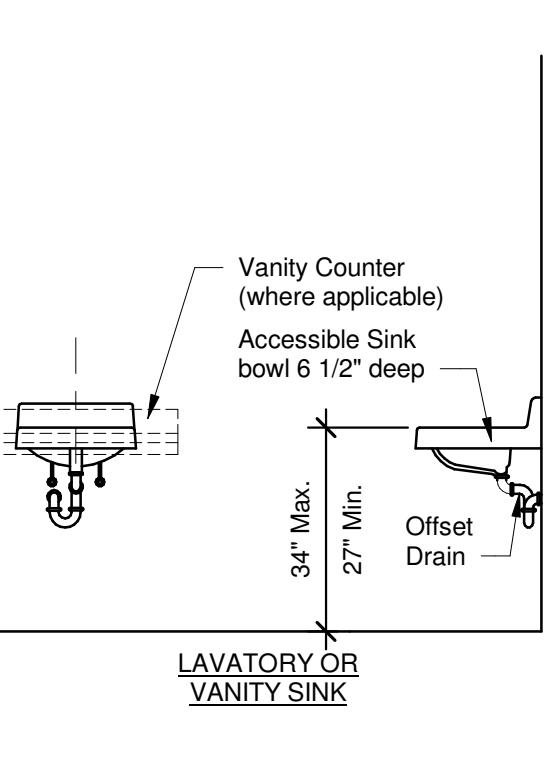
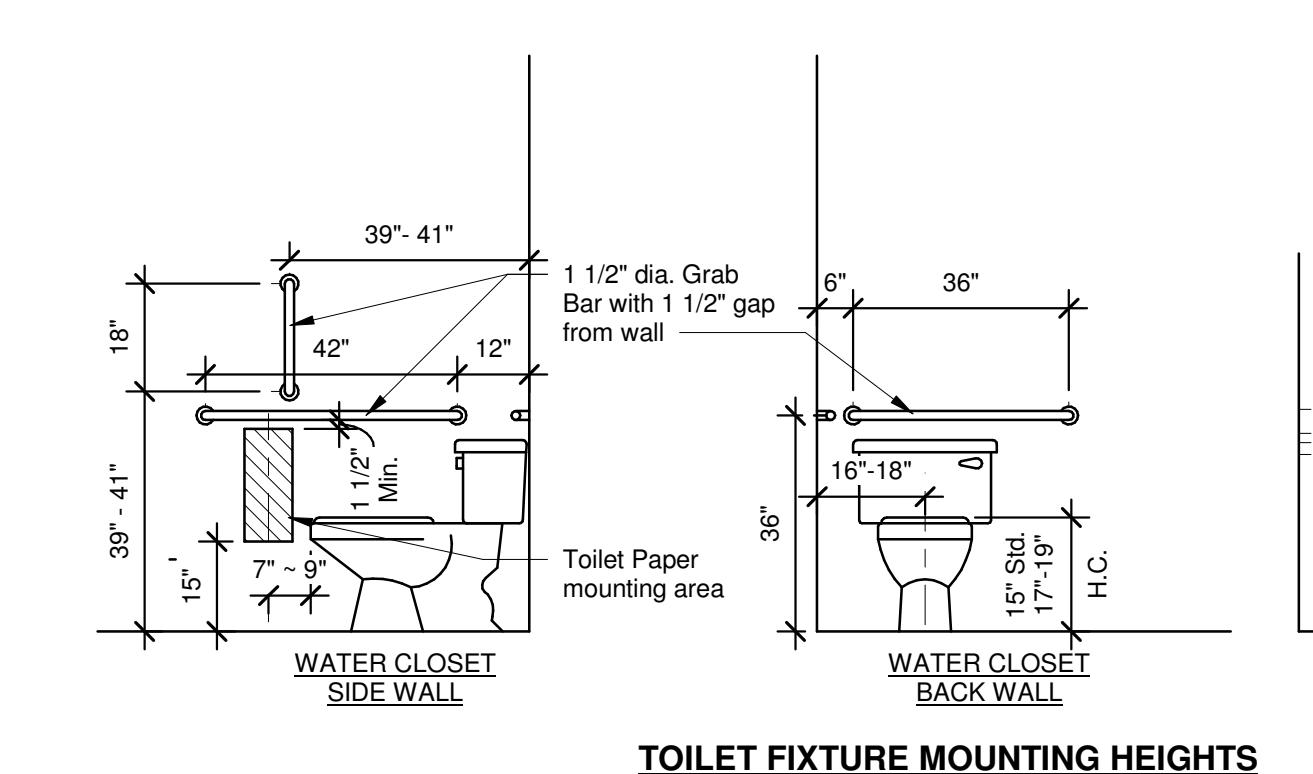
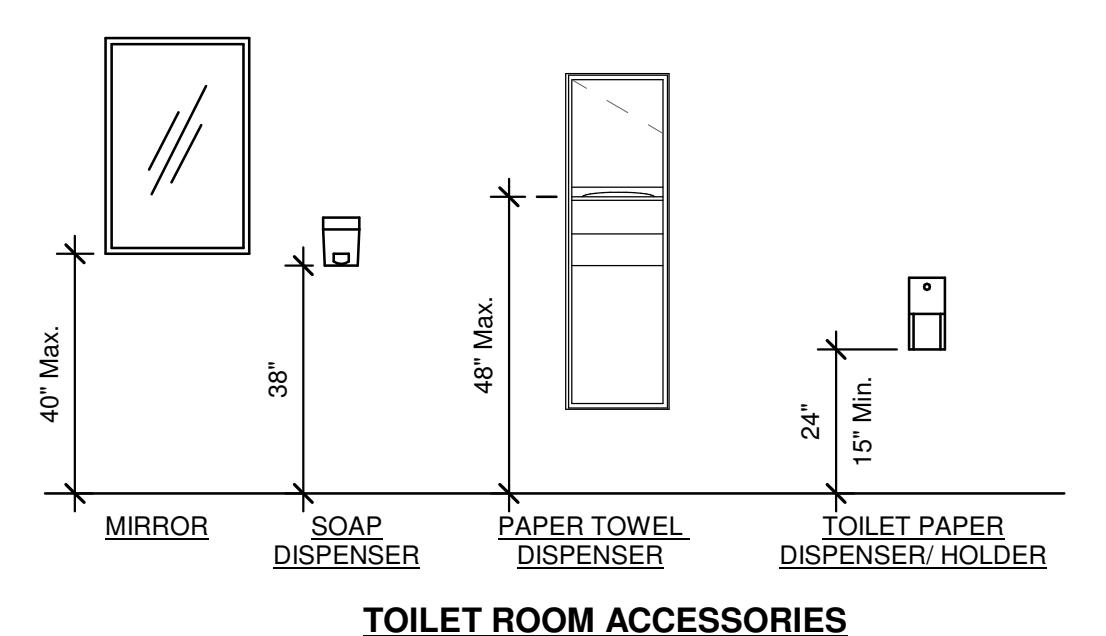
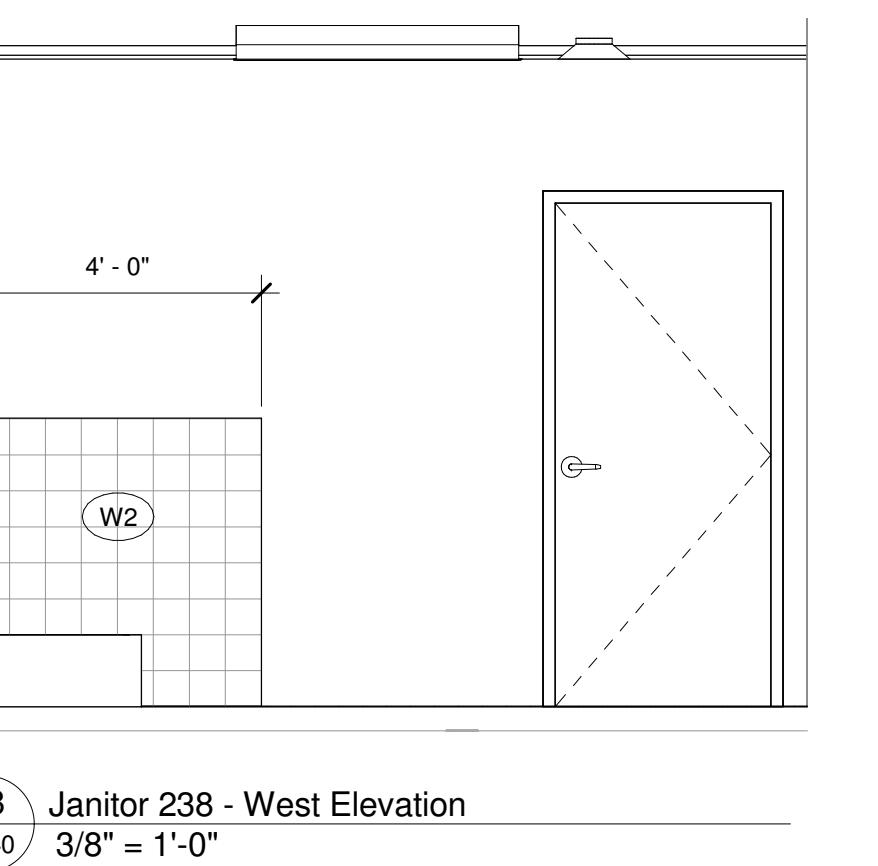
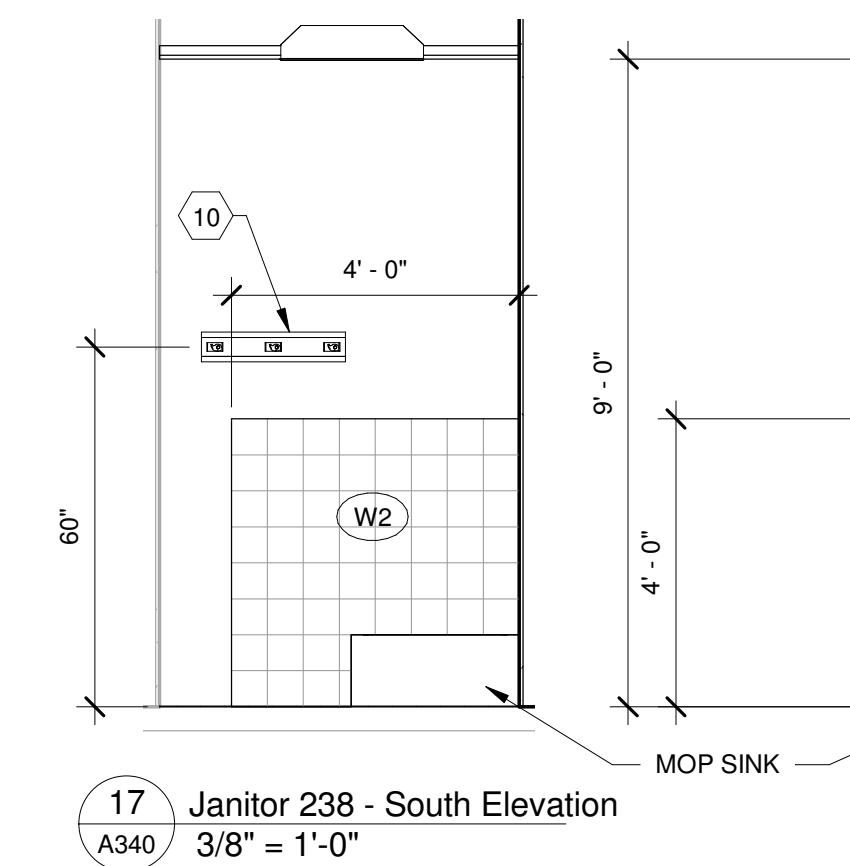
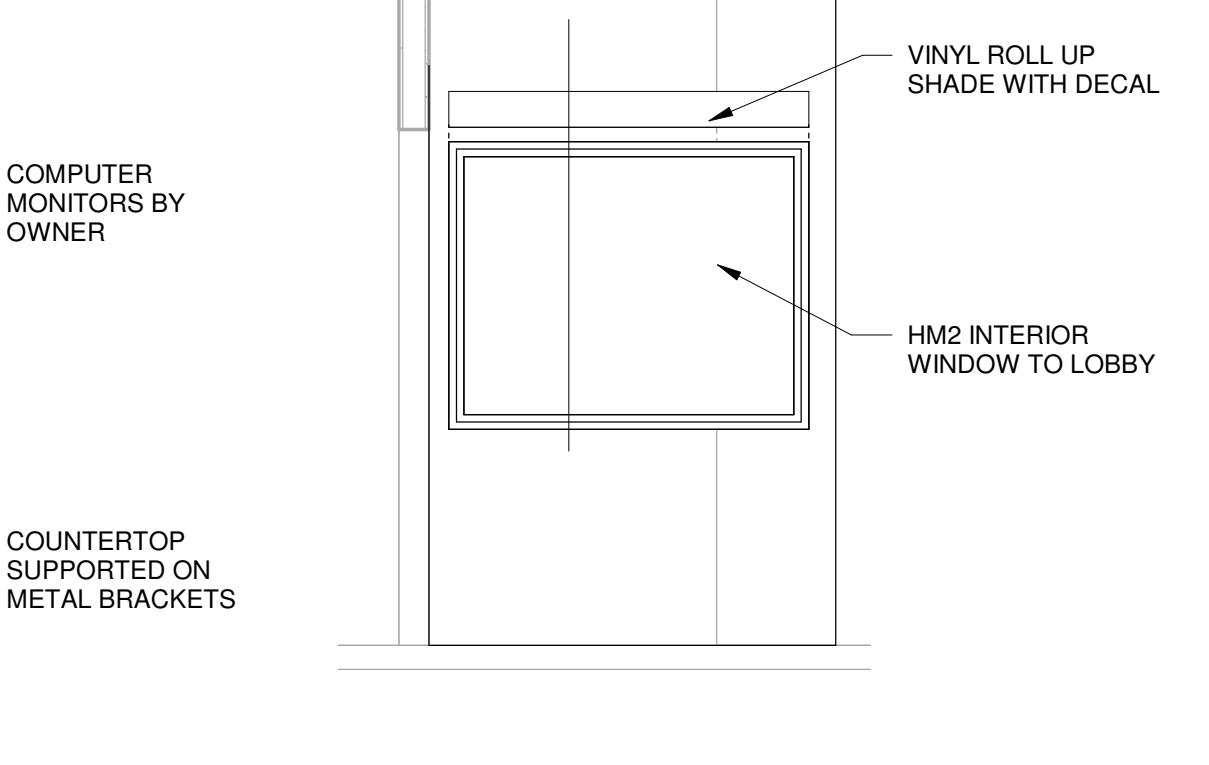
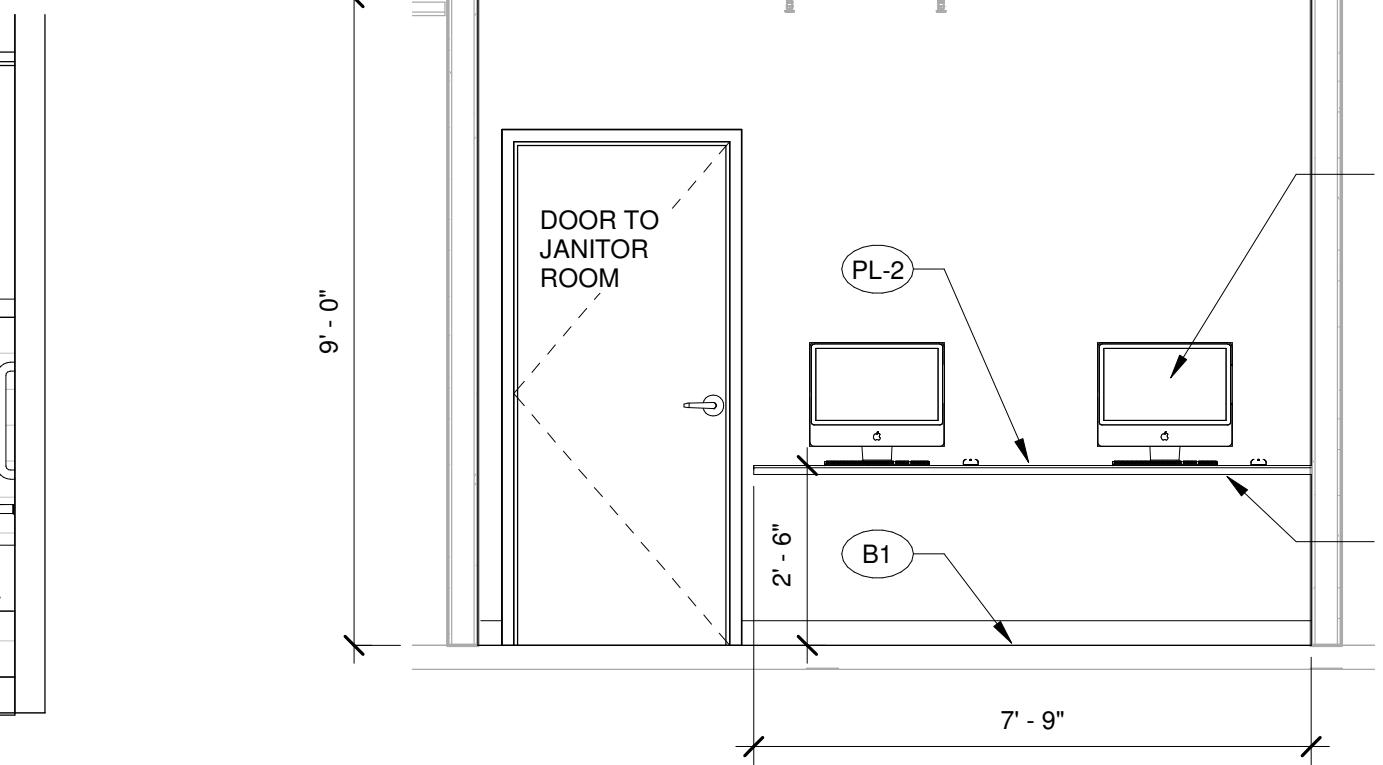
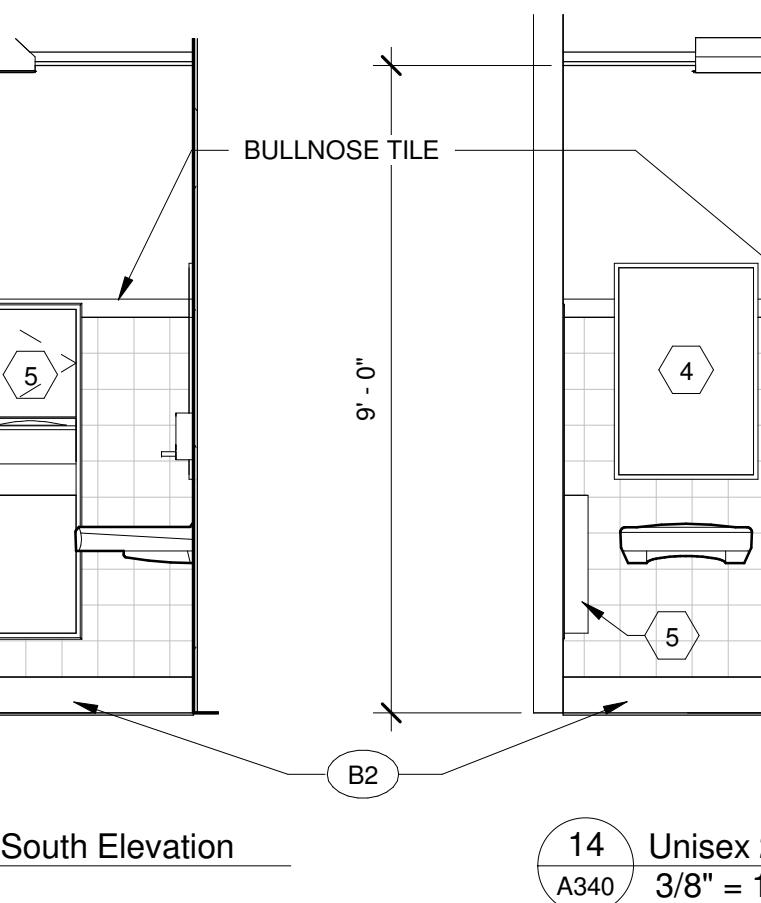
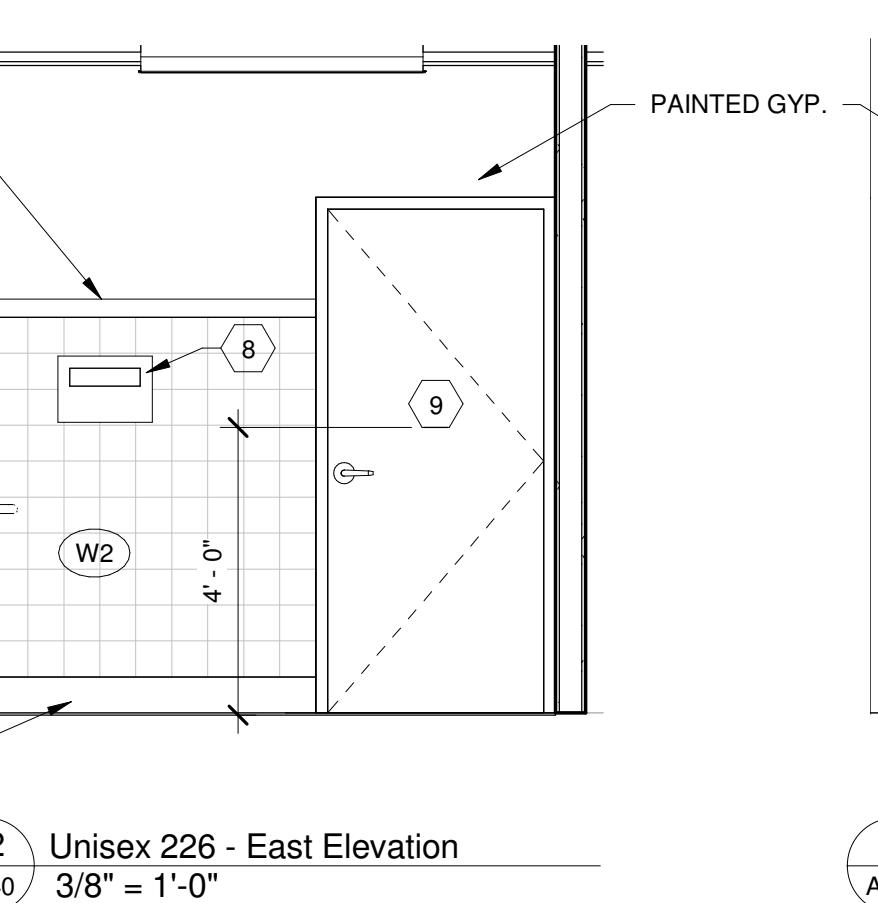
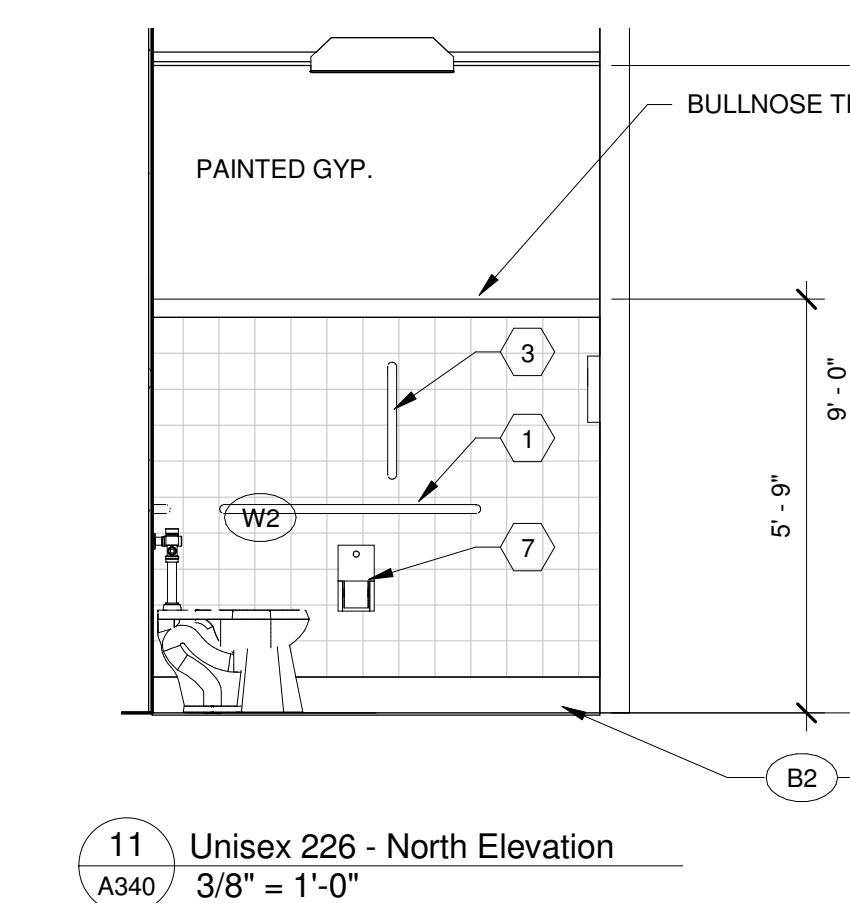
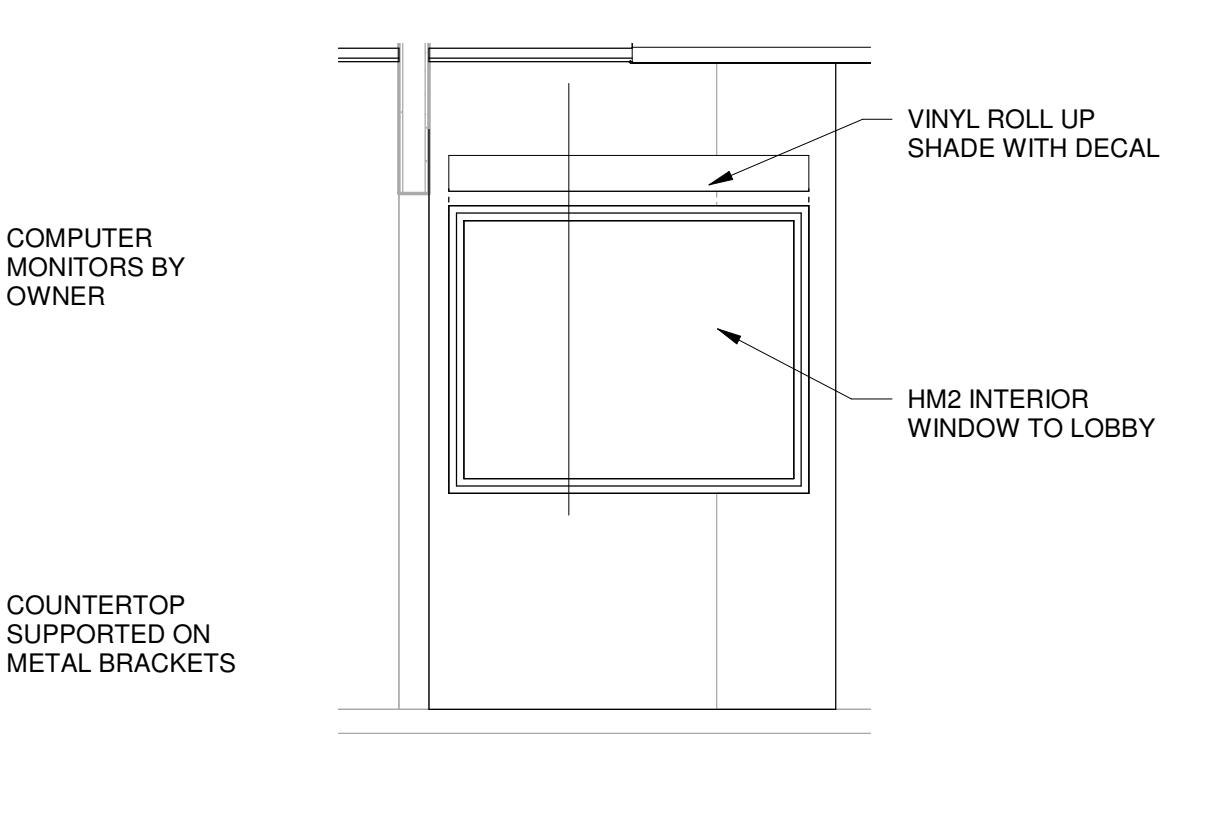
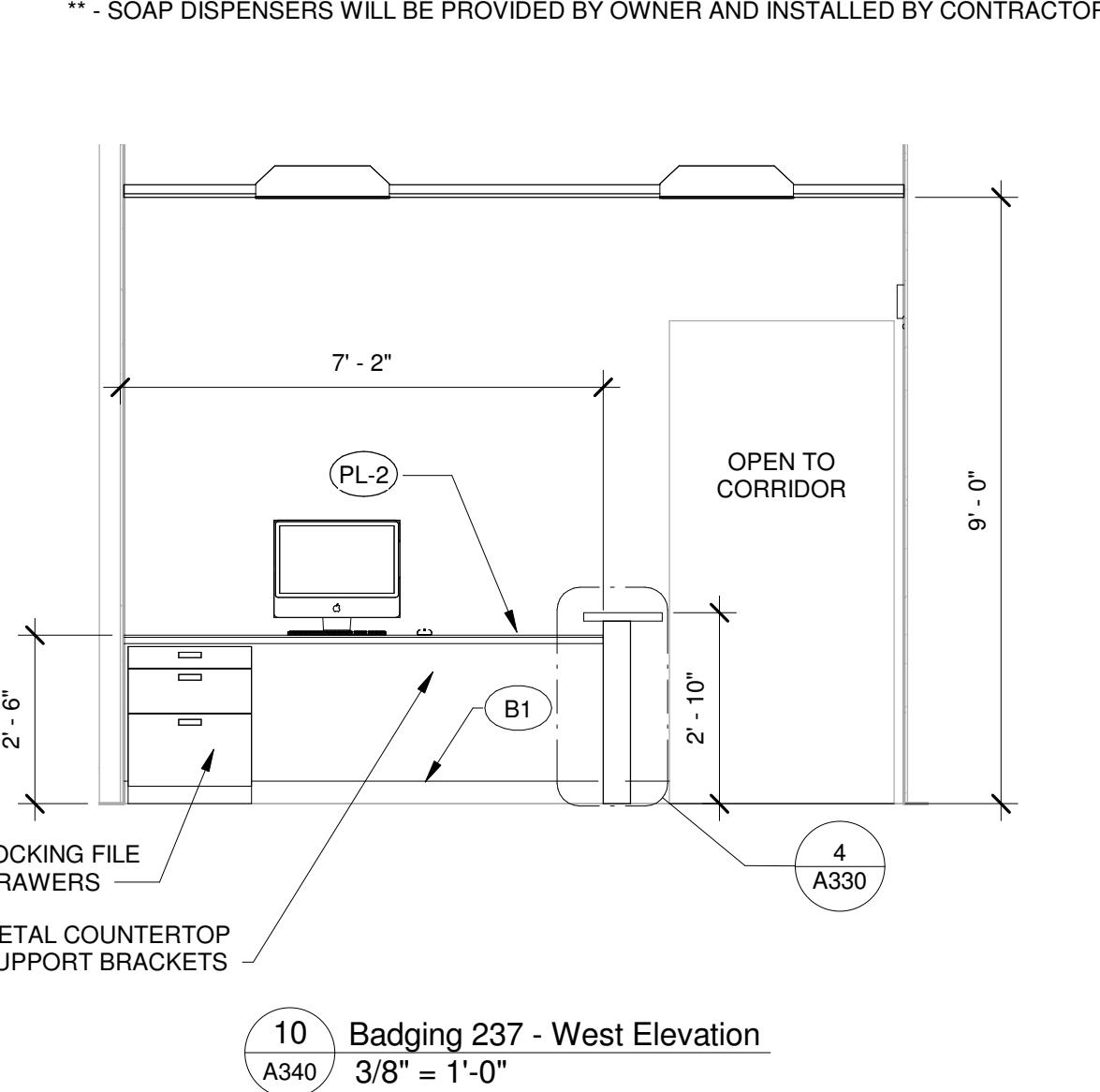
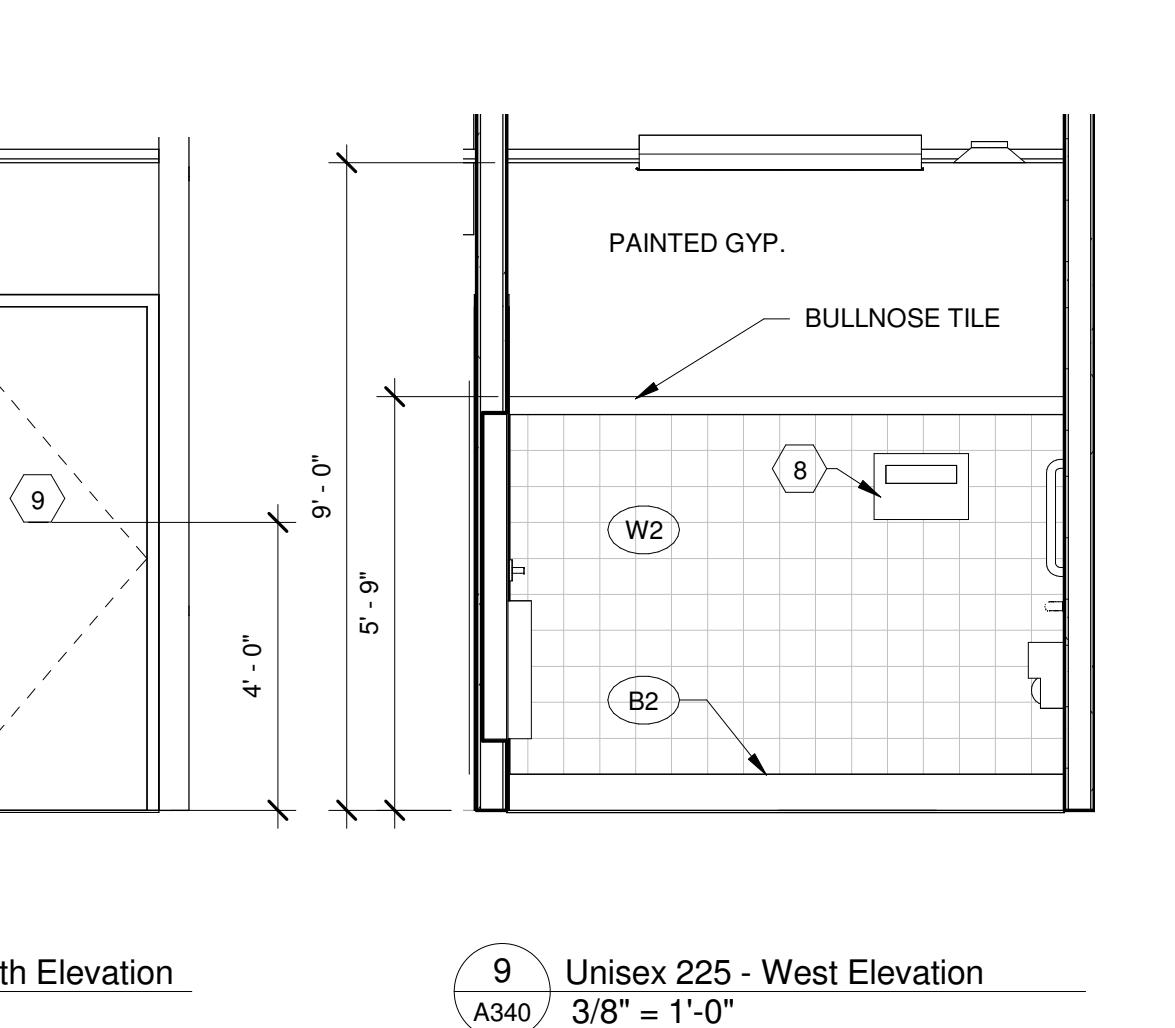
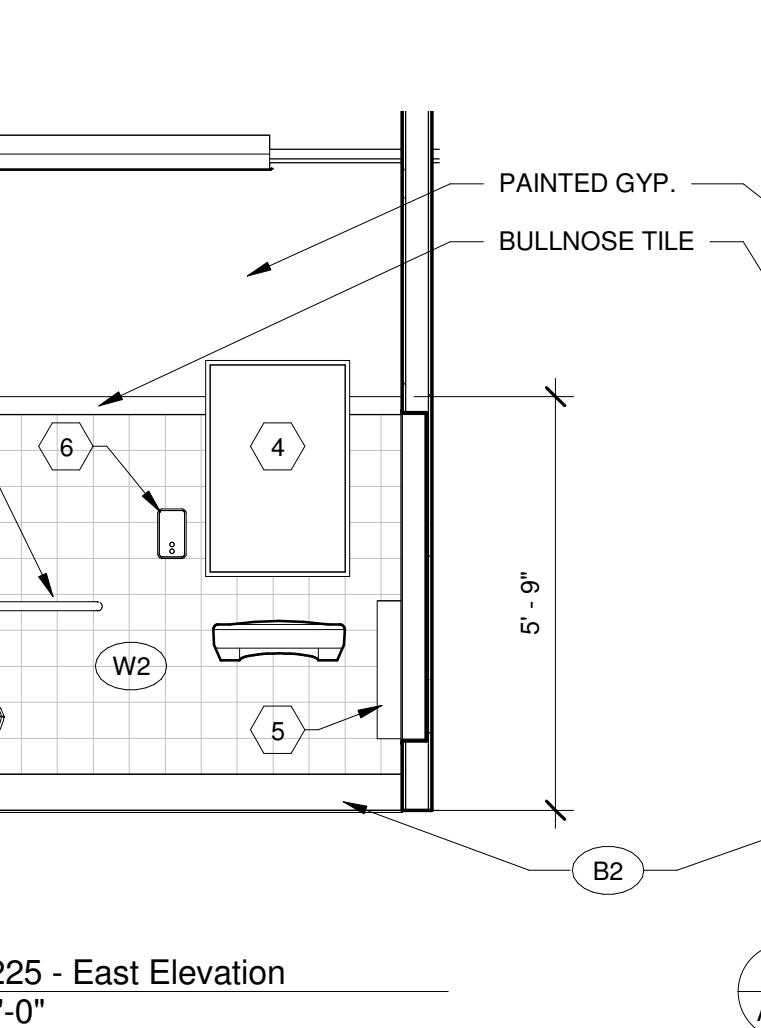
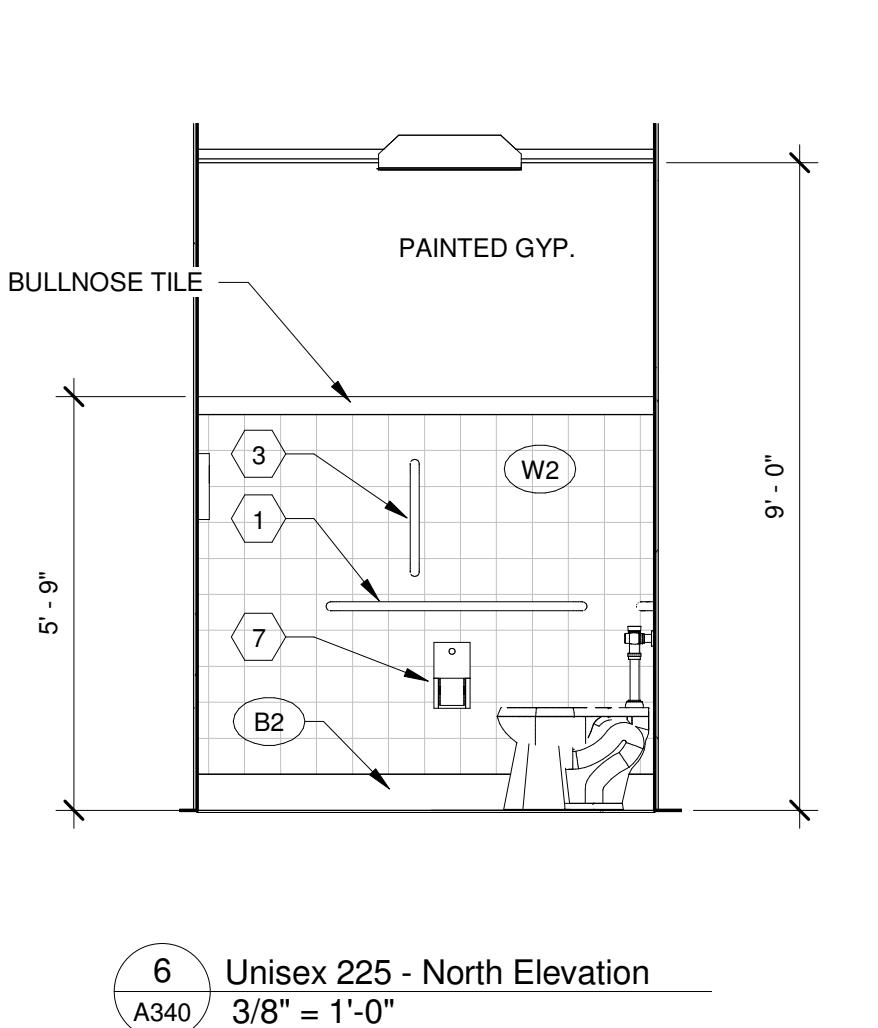
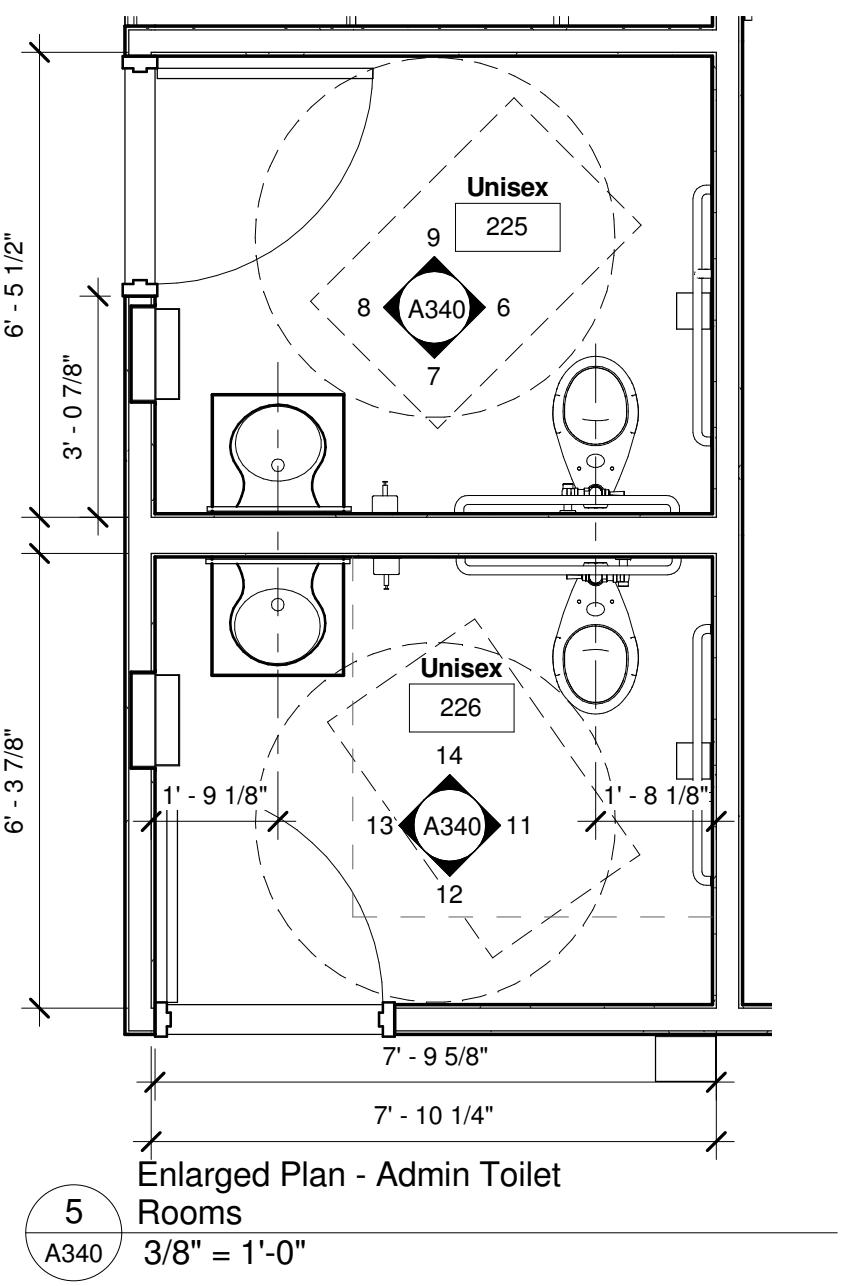
## Administrative Office Remodel

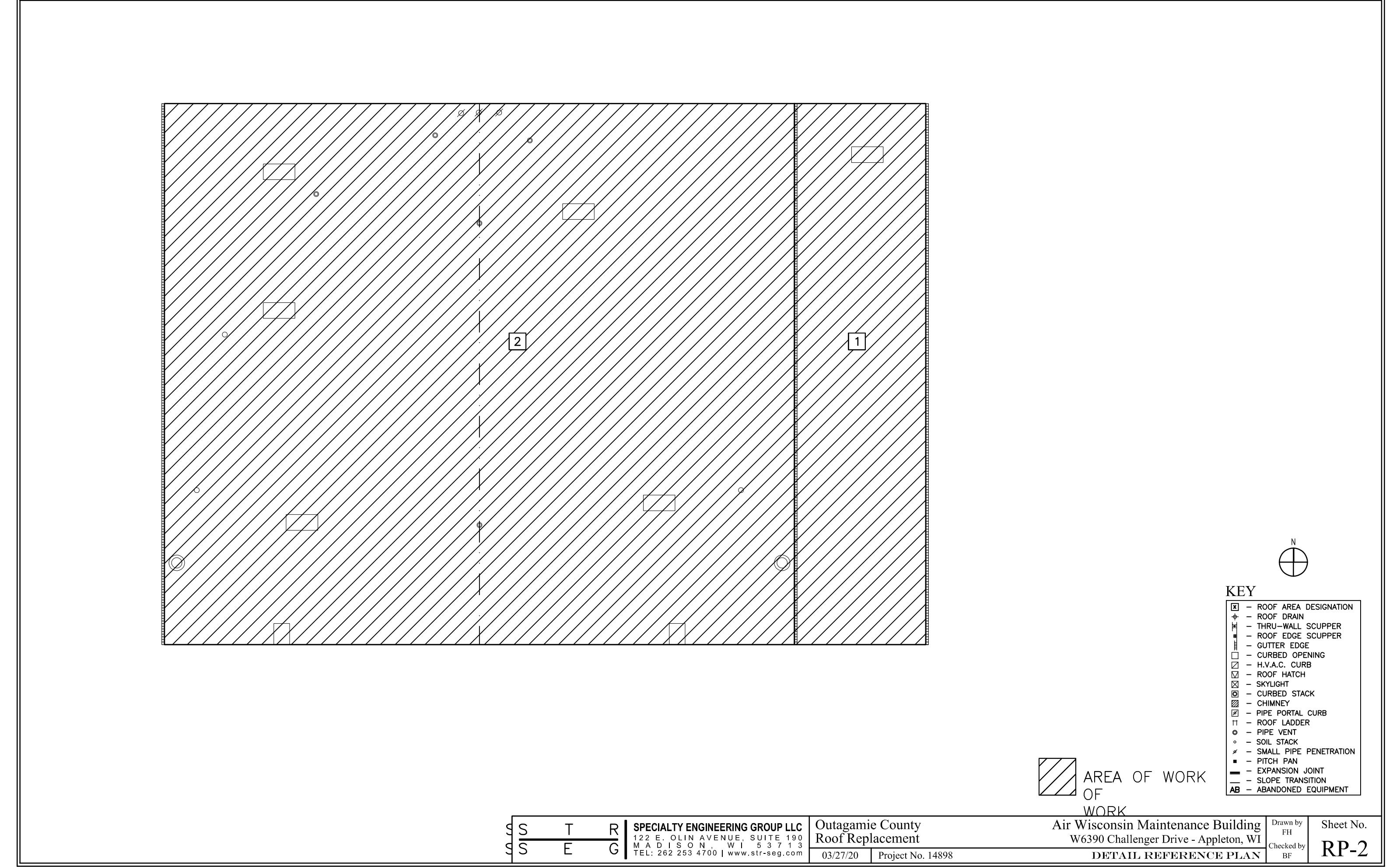
Sheet Description	
2nd Floor Admin Enlarged Toilet Room Plan & Interior Elevations	
PROJECT MANAGER: A.K.	
PROJ NO: A1536A19	
DATE: 05/01/2020	
CONSTRUCTION SET	
DRAWING NO.	
A340	



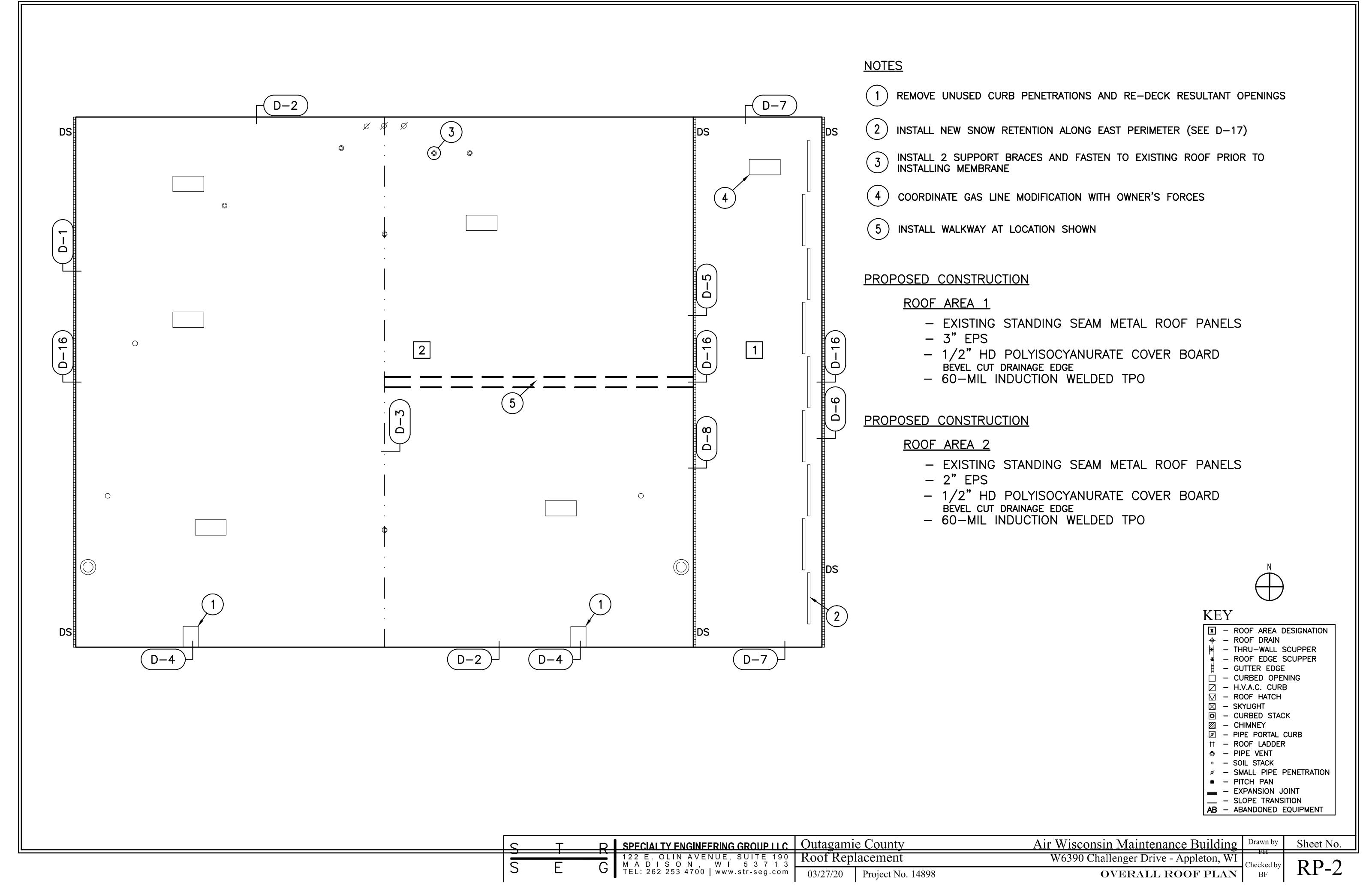
TOILET ROOM ACCESSORIES LEGEND				
NO. (X)	QUANT.	DESCRIPTION	MANUFACTURER	MODEL NUMBER
①	2	42" GRAB BAR SIDE WALL	BOBRICK	B-6806
②	2	36" GRAB BAR BACK WALL	BOBRICK	B-6806
③	2	18" GRAB BAR VERTICAL	BOBRICK	B-6806
④	2	24" X 36 MIRROR	BOBRICK	B-165-2436
⑤	2	PAPER TOWEL DISPENSER / WASTE RECEPTACLE	KC SCOTT PRO	35370, 31498, & 34361
⑥	2	SOAP DISPENSERS**	DEB DISPENSERS	TF2
⑦	2	HIGH CAPACITY BATH TISSUE DISPENSER	KC SCOTT PRO	SRB FAUX 44519
⑧	2	SEAT COVER DISPENSER	KC SCOTT PRO	09512
⑨	2	S.S. COMMERCIAL COAT HOOK ON INSIDE OF TOILET ROOM DOOR	BOBRICK	B-76717
⑩	1	MOP HOLDER/SHELF	BOBRICK	B224 X 36

NOTE:  
\*\* - SOAP DISPENSERS WILL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR





**IMPORTANT NOTE:**  
IF ALTERNATE BID #2 IS AWARDED, ROOFING CONTRACTOR SHALL  
COORDINATE WITH HVAC CONTRACTOR TO FLASH AROUND NEW OR  
MODIFIED ROOF CURBS AT REPLACEMENT OF ROOFTOP UNITS #5 & #6.  
CURB MODIFICATION OR REPLACEMENT IS THE RESPONSIBILITY OF THE  
HVAC CONTRACTOR IN BID #2.



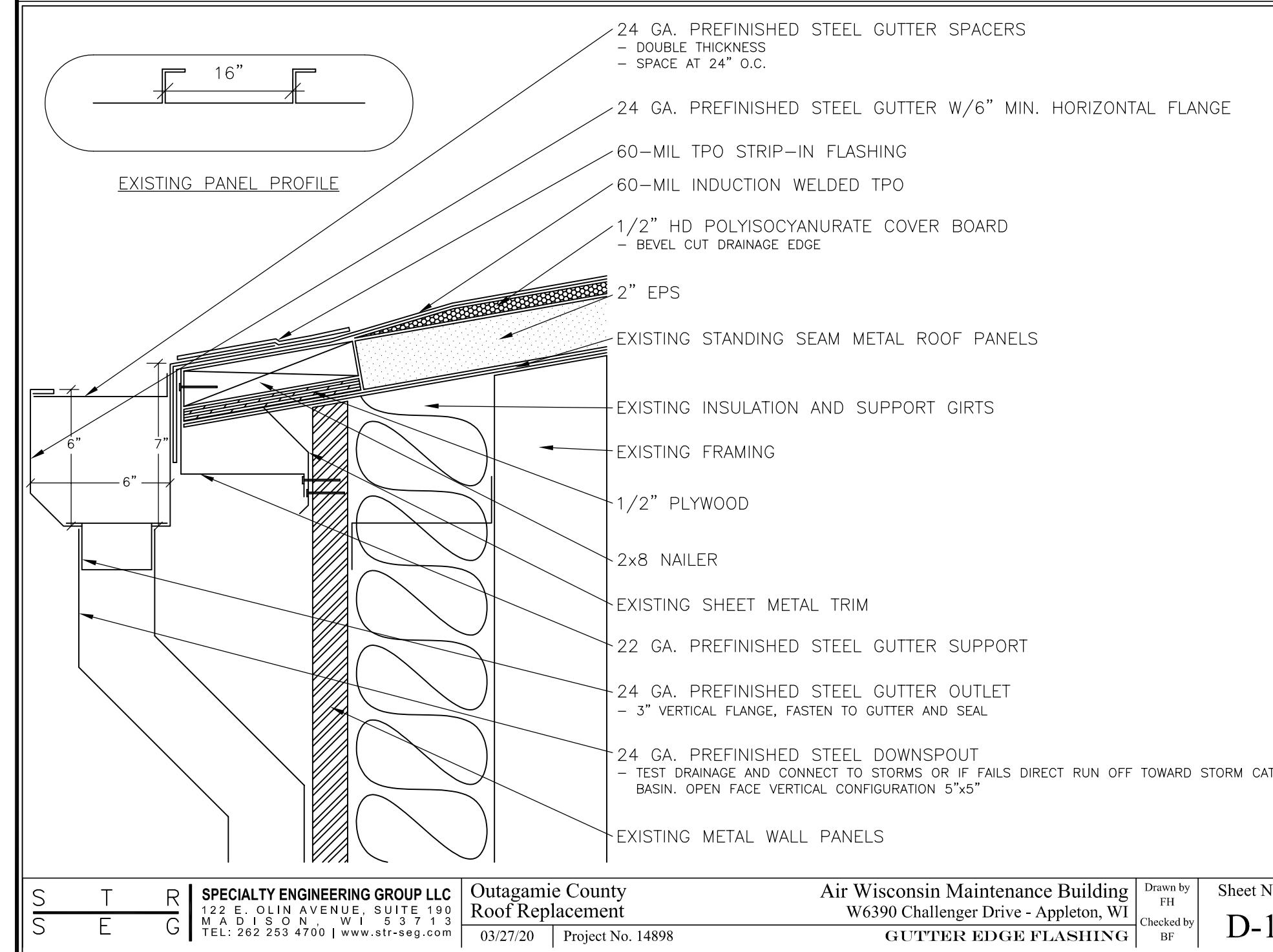
# Air Wisconsin South Roof Alterations

# Appleton International Airport

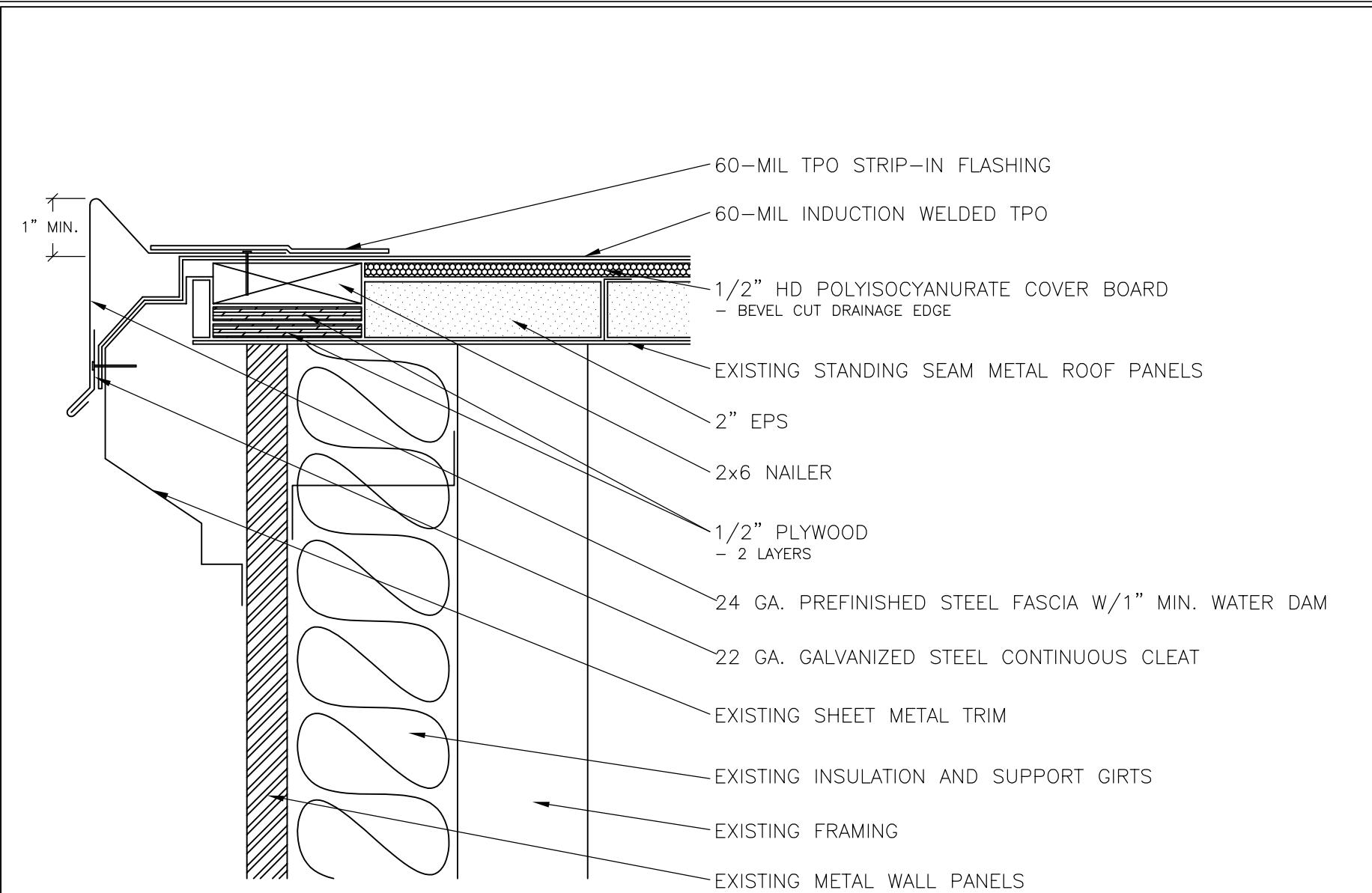
# W6390 Challenger Drive

# Appleton

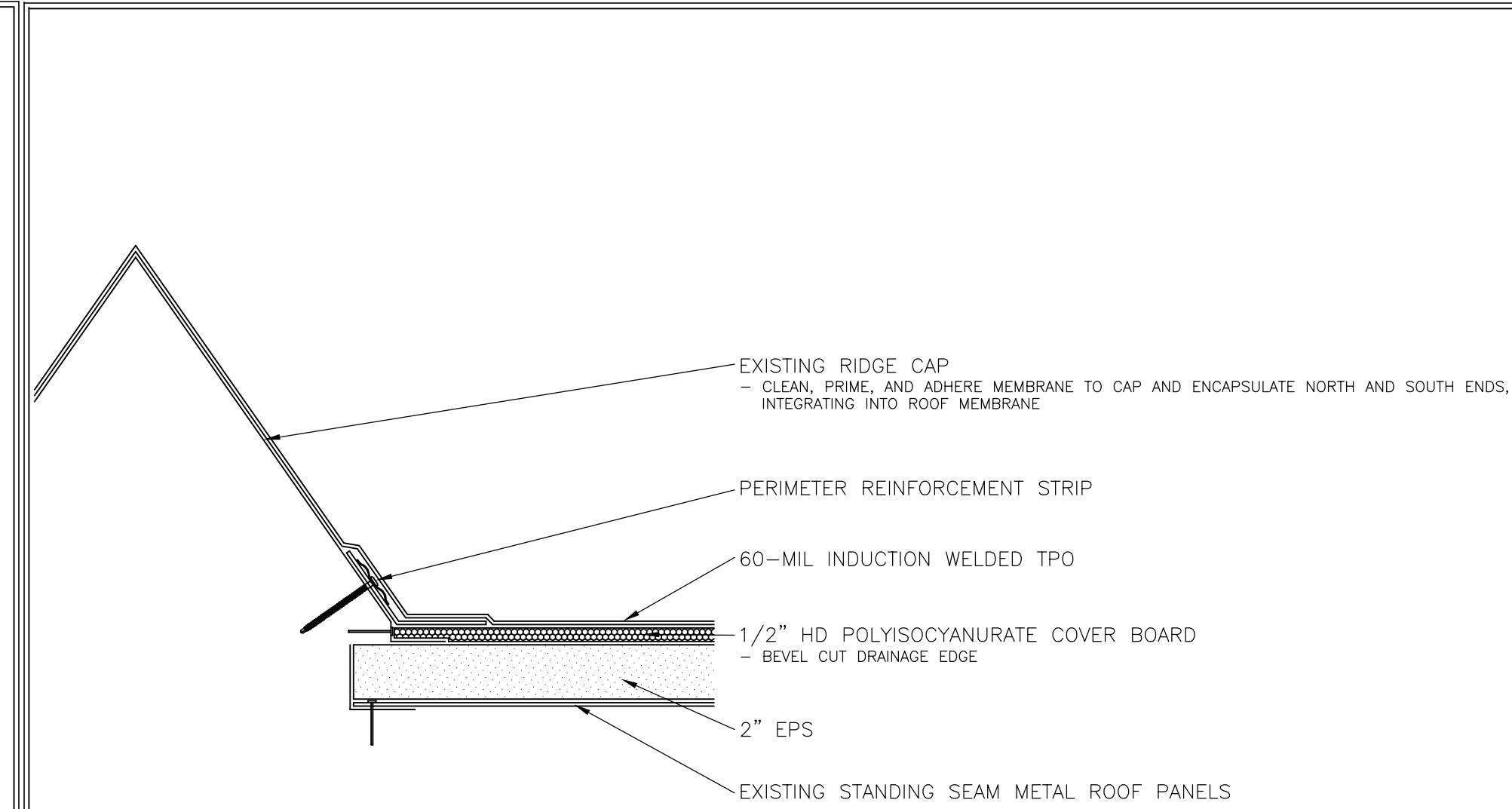
**OMNI**  
ASSOCIATES  
ONE SYSTEMS DRIVE  
PHONE (920) 835-6900  
FAX (920) 835-1000  
APPLETON, WI 54914



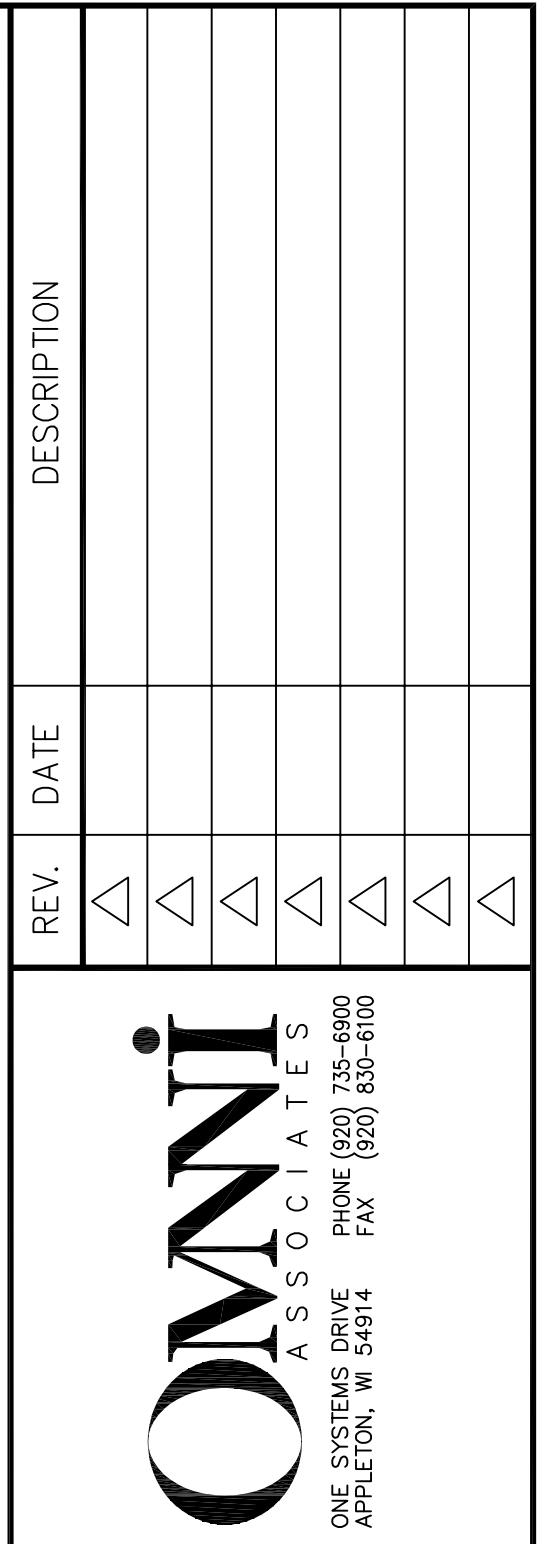
S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-1 | Project No. 14898 | Checked by BF | 03/27/20 | GUTTER EDGE FLASHING



S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-2 | Project No. 14898 | Checked by BF | 03/27/20 | ROOF EDGE FLASHING

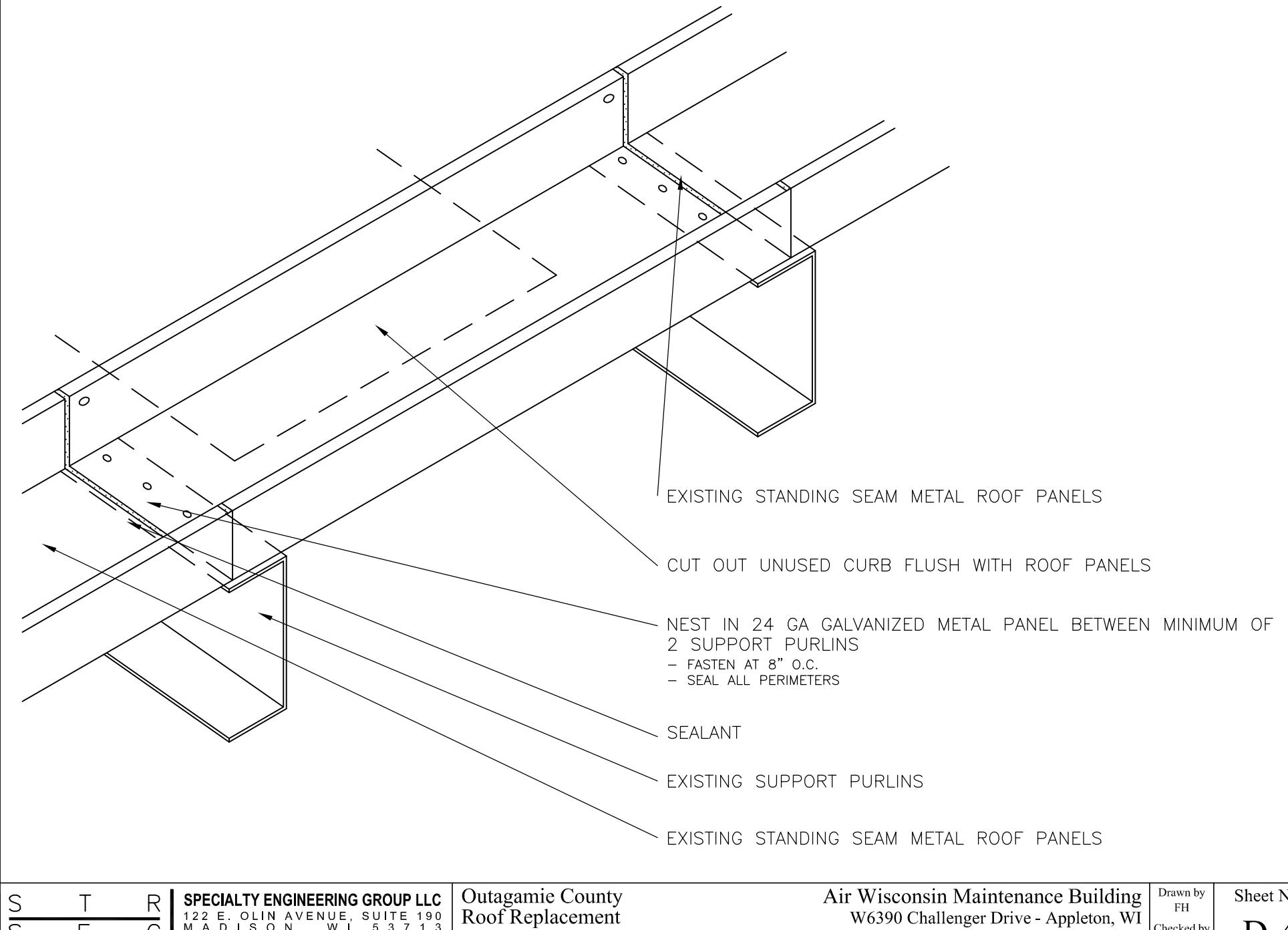


S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-3 | Project No. 14898 | Checked by BF | 03/27/20 | RIDGE CAP FLASHING

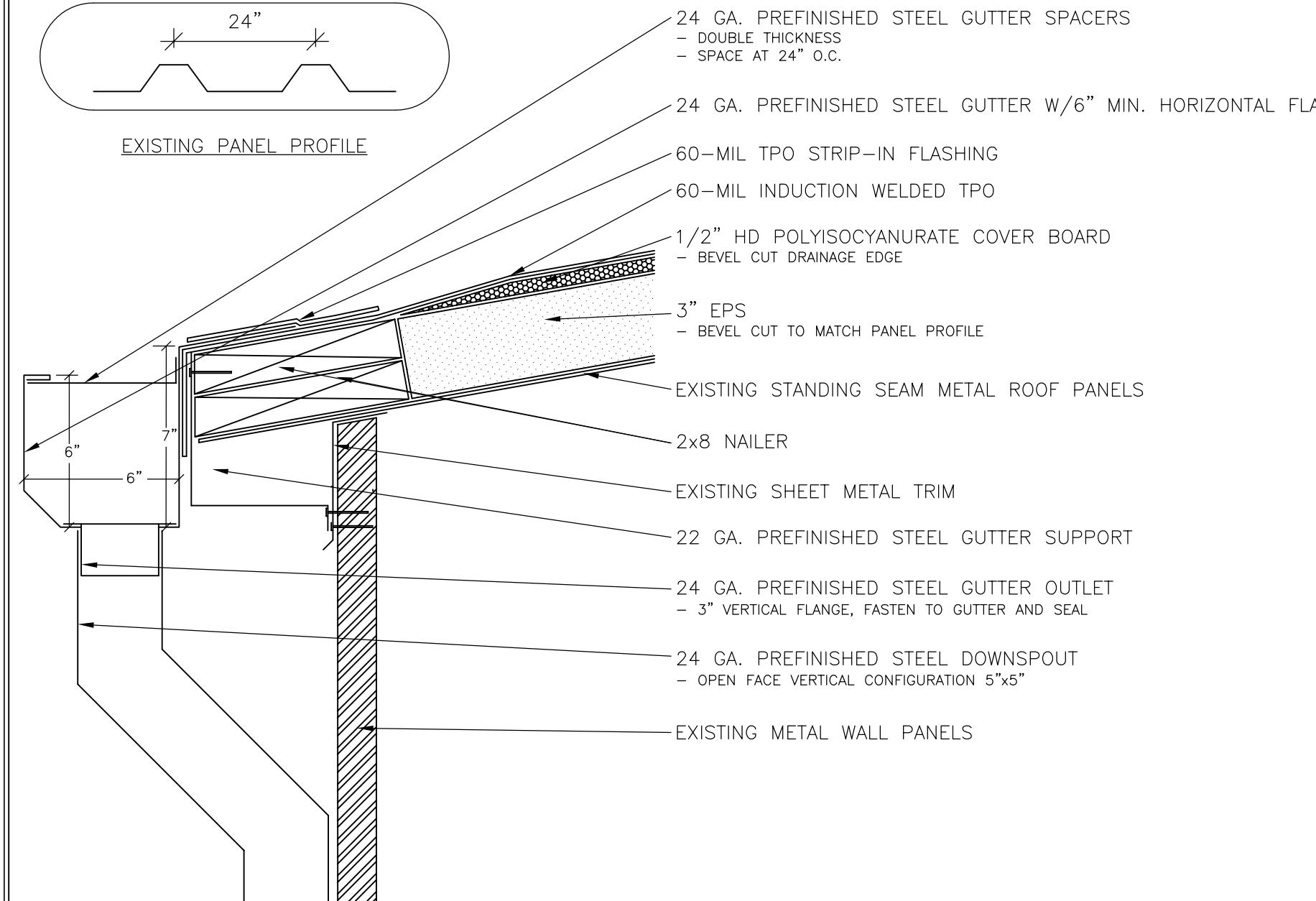


WISCONSIN  
TOWN OF GREENVILLE

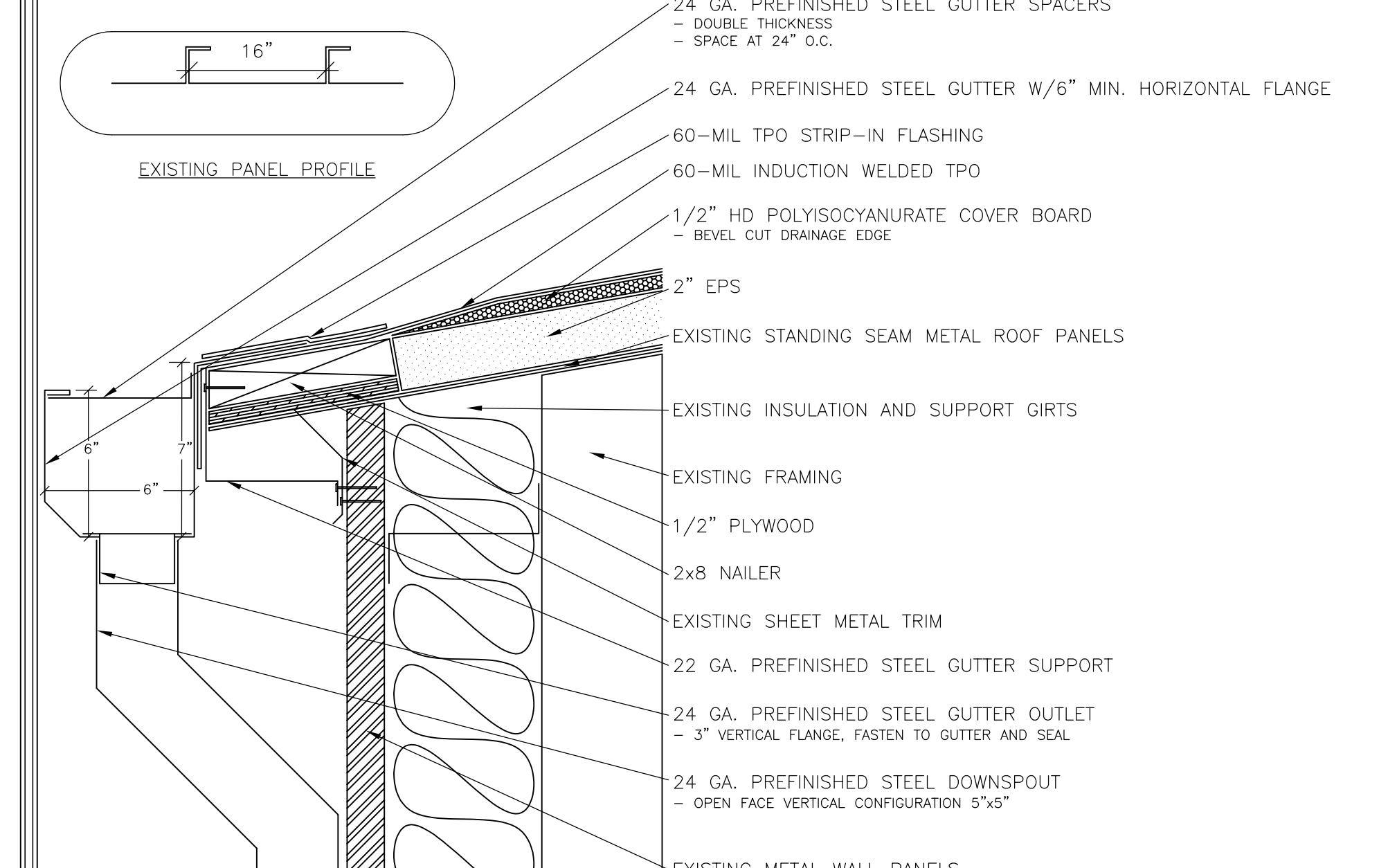
# Air Wisconsin South Terminal Alterations Appleton International Airport Town of Greenville



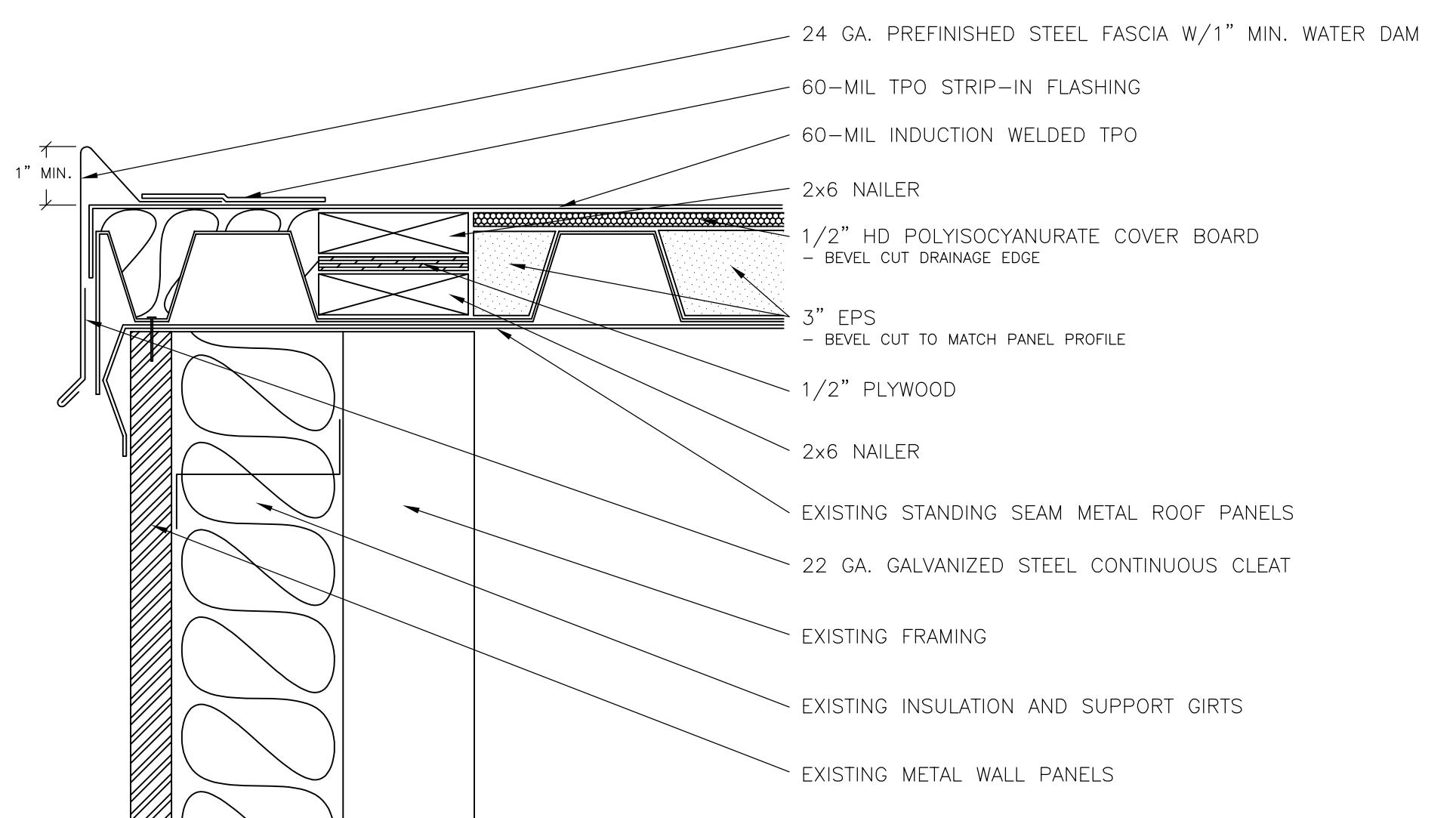
S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-4 | Project No. 14898 | RE-DECKING



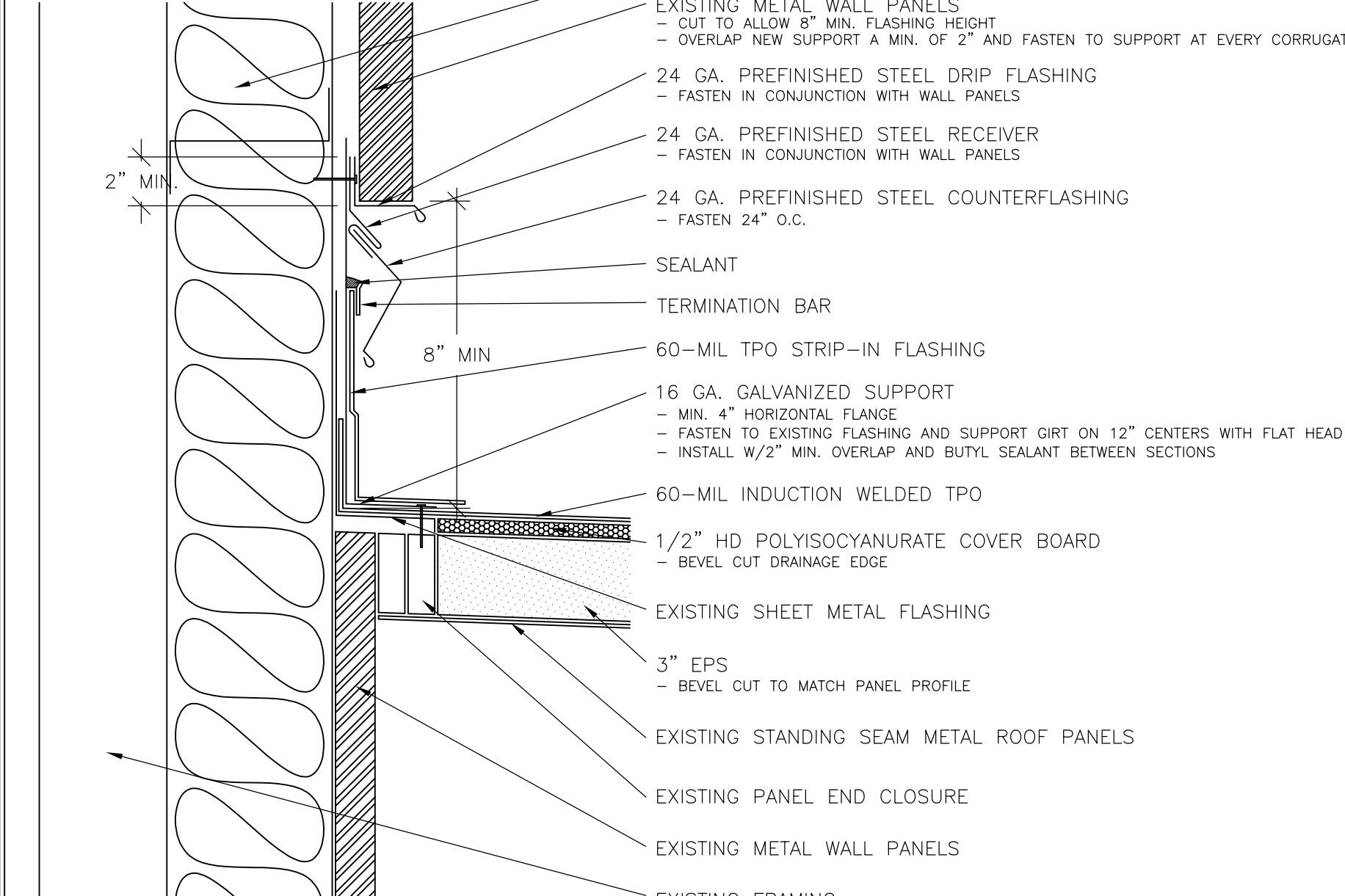
S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-5 | Project No. 14898 | GUTTER EDGE FLASHING



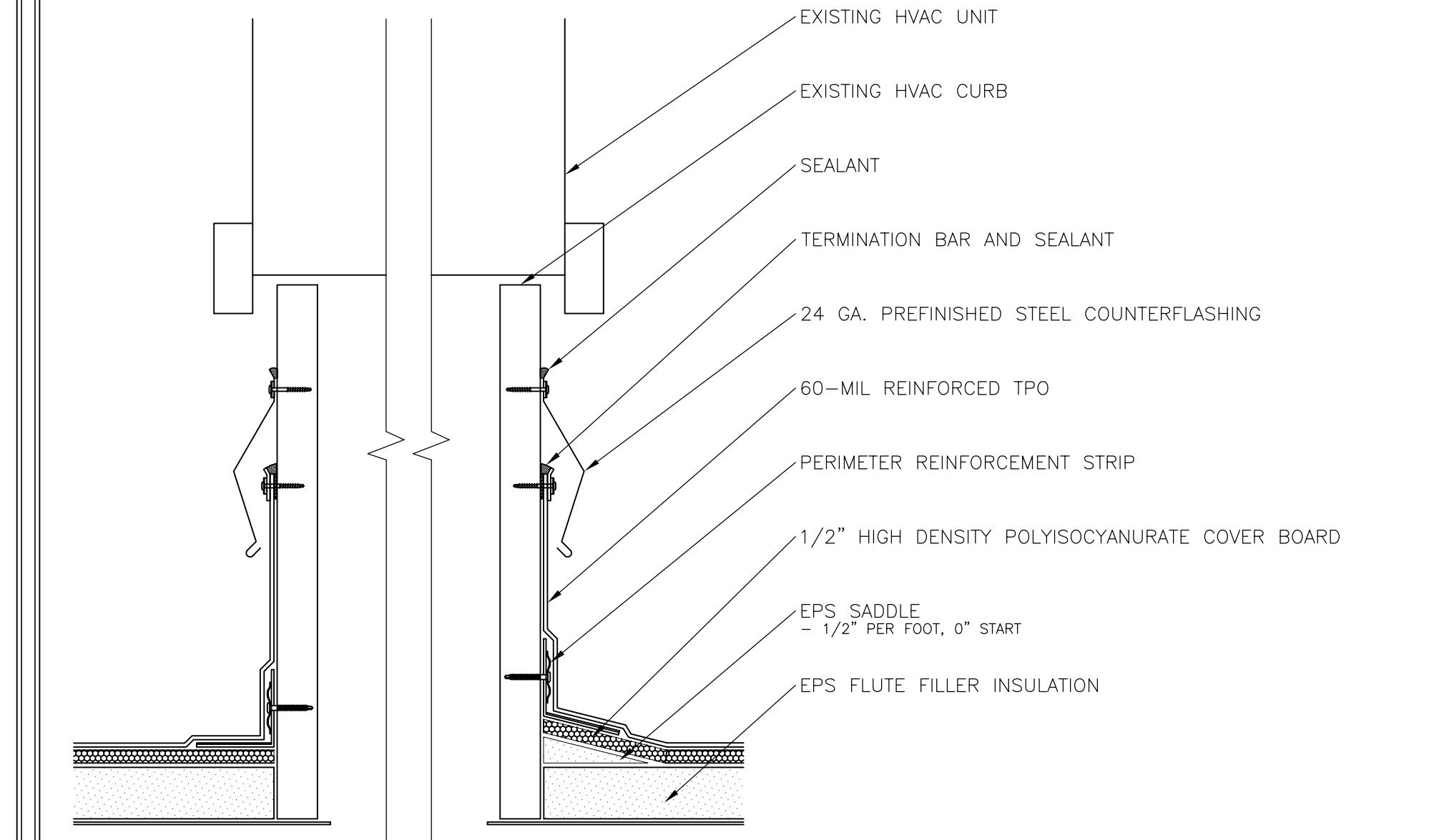
S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-6 | Project No. 14898 | GUTTER EDGE FLASHING



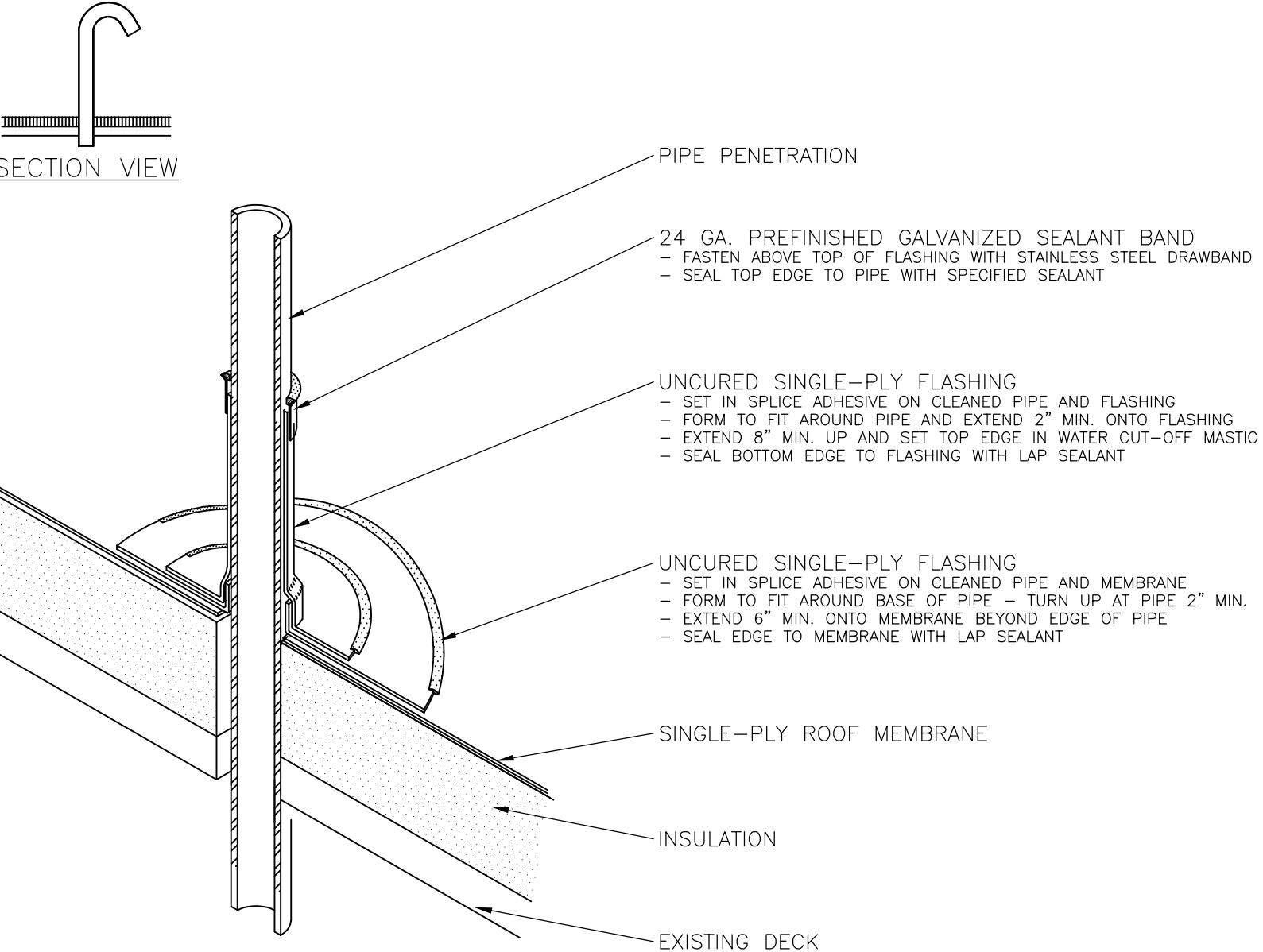
S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-7 | Project No. 14898 | ROOF EDGE FLASHING



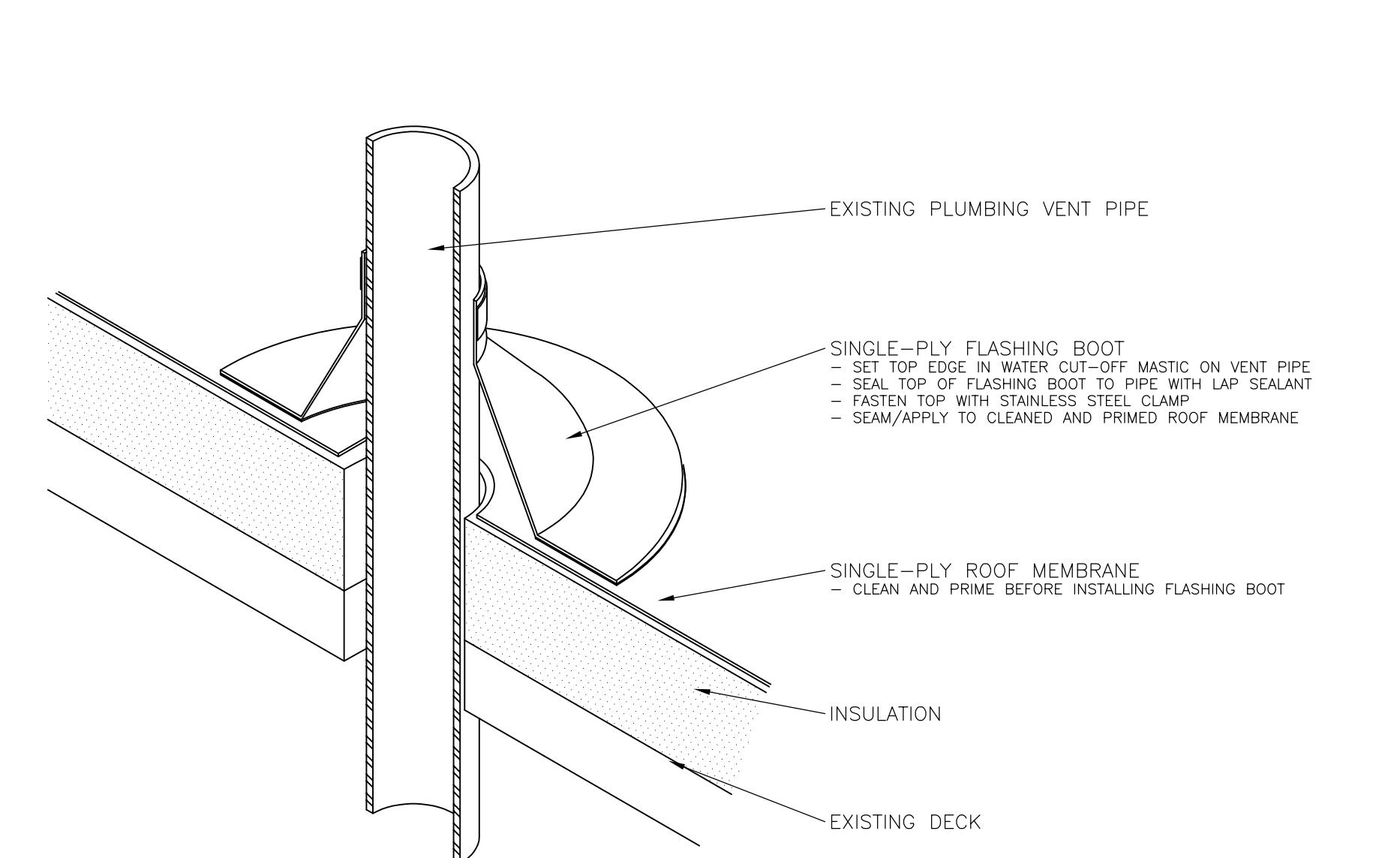
S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-8 | Project No. 14898 | WALL FLASHING



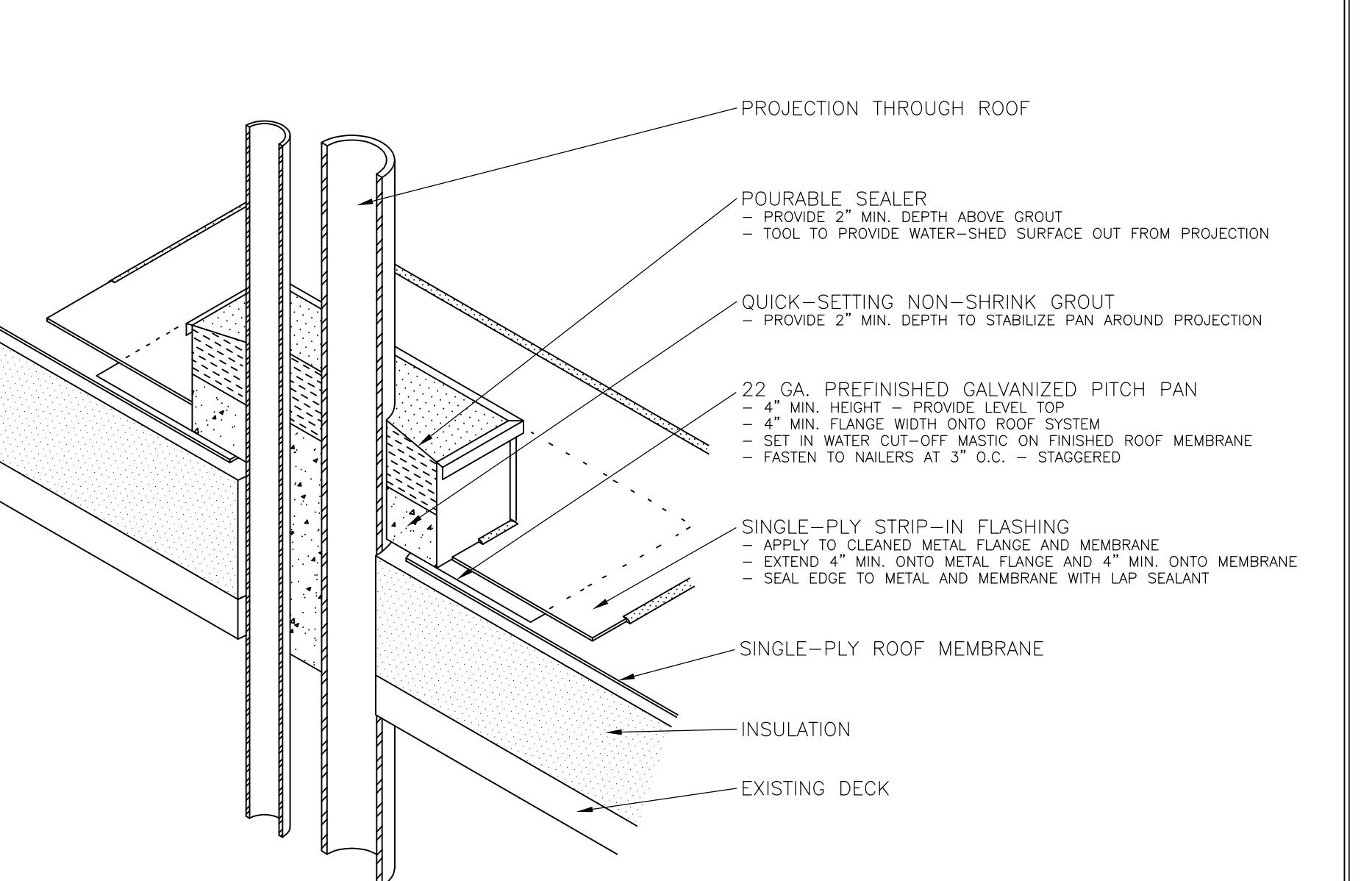
S T R | SPECIALTY ENGINEERING GROUP LLC | Outagamie County | Air Wisconsin Maintenance Building | W6390 Challenger Drive - Appleton, WI | Drawn by FH | Sheet No. D-9 | Project No. 14898 | HVAC CURB FLASHING



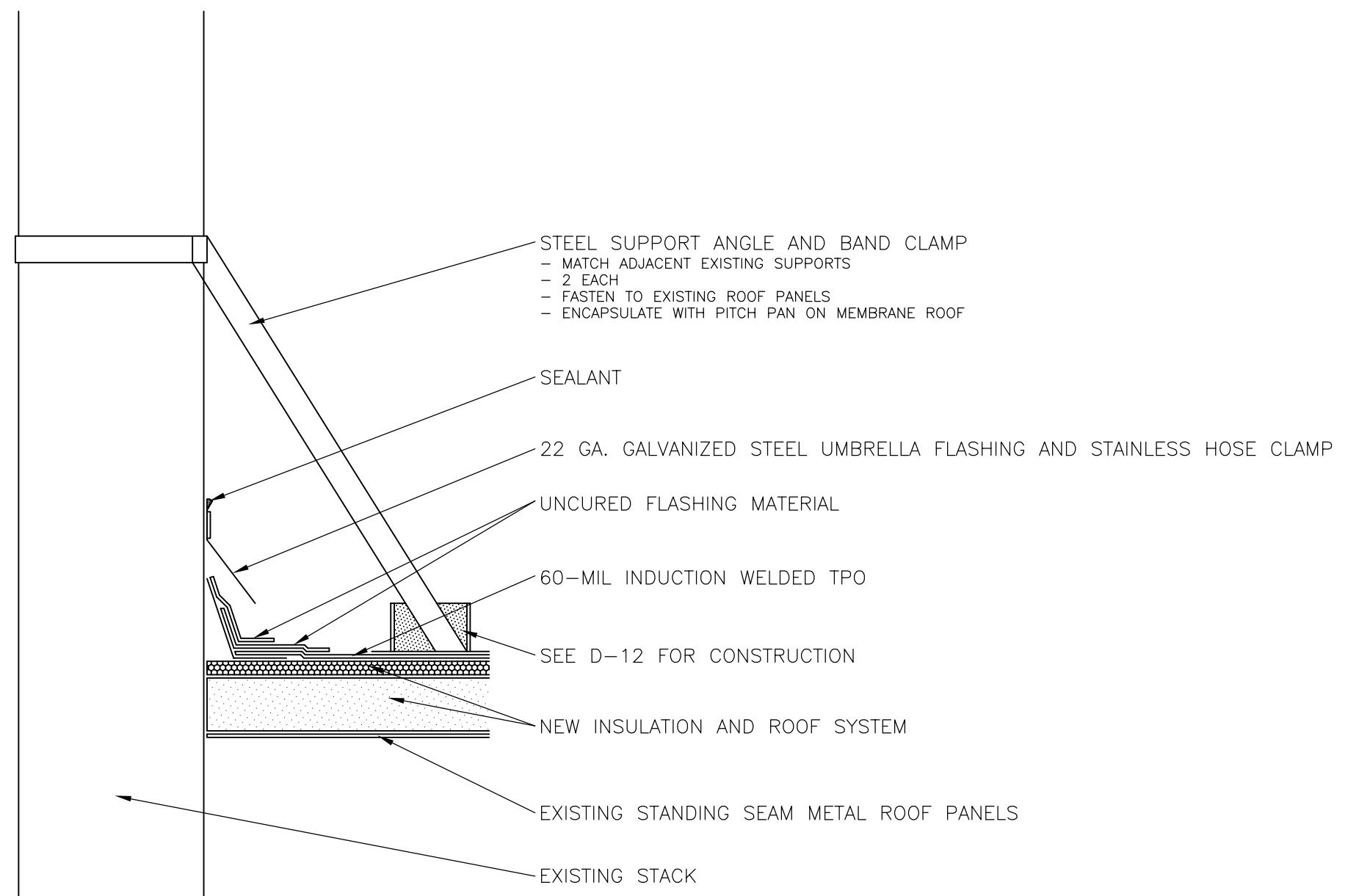
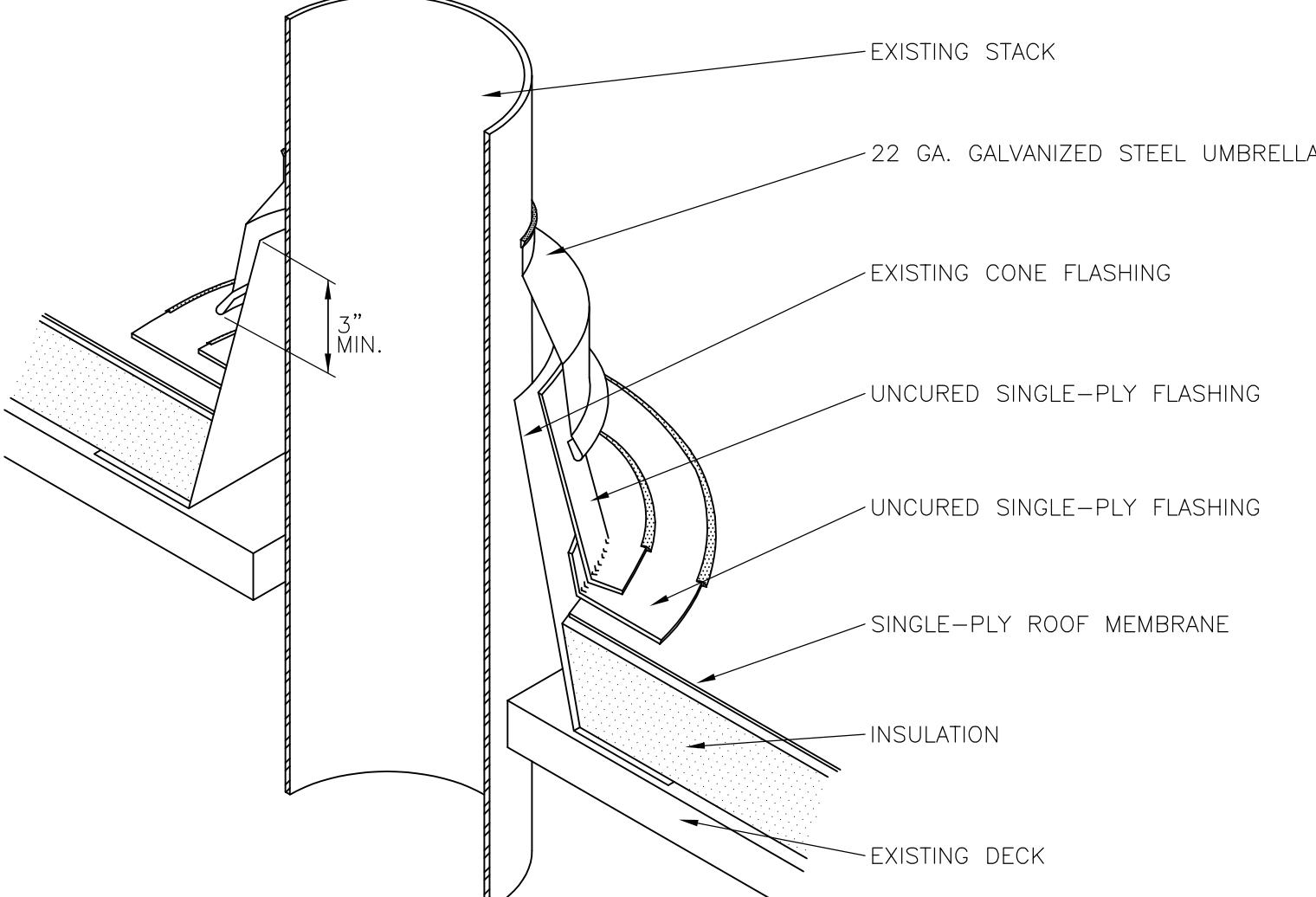
S	T	R	SPECIALTY ENGINEERING GROUP LLC	122 E. OLIN AVENUE, SUITE 190	Outagamie County	Air Wisconsin Maintenance Building	Drawn by	She
S	E	G	MADISON, WI 53713	TEL: 262 253 4700   <a href="http://www.str-seg.com">www.str-seg.com</a>	Roof Replacement	W6390 Challenger Drive - Appleton, WI	FH	D.
			03/27/20	Project No. 14898	TYPICAL PIPE FLASHING	BF		



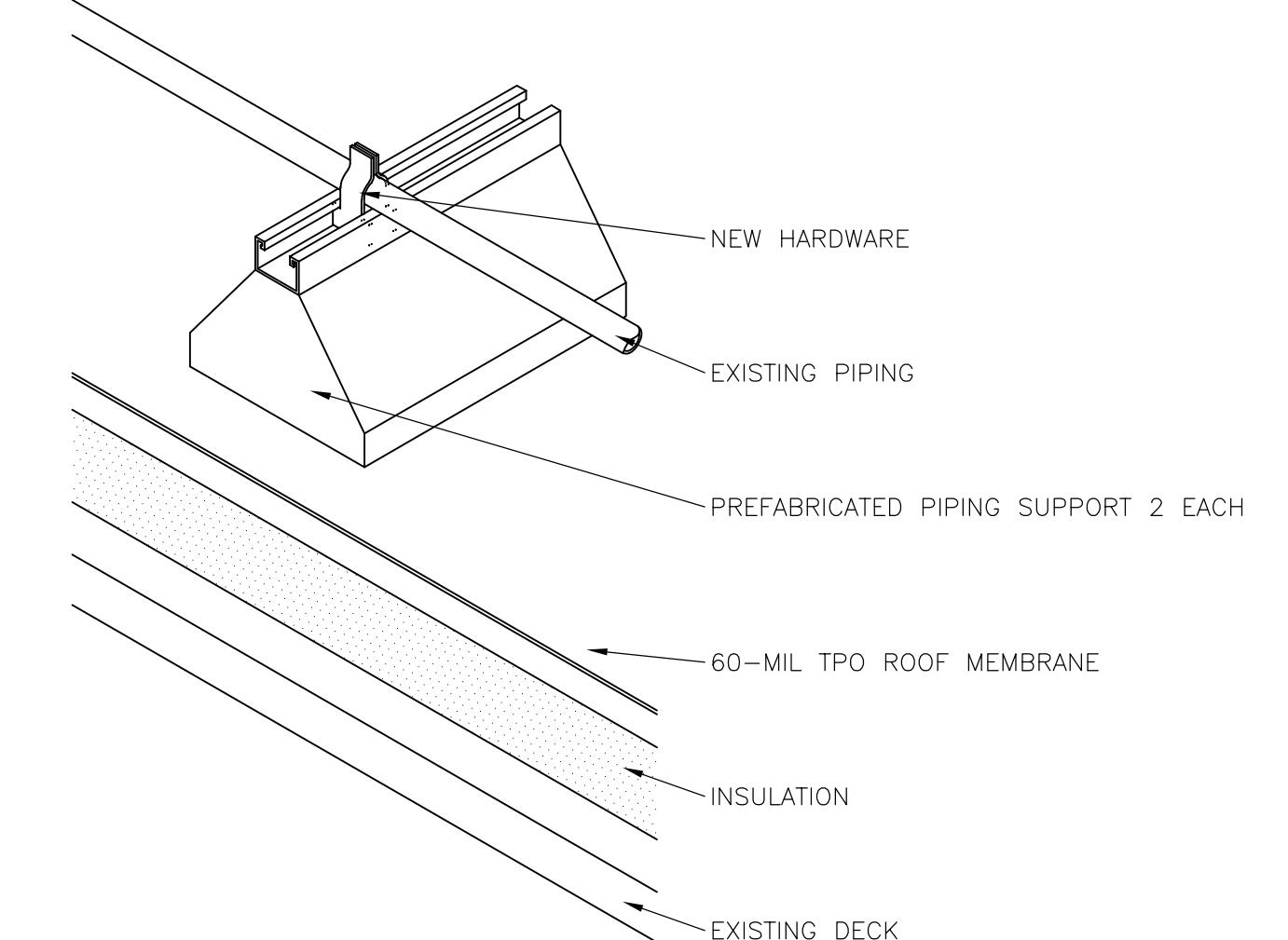
No. 10	S T R S E G	<b>SPECIALTY ENGINEERING GROUP LLC</b> 122 E. OLIN AVENUE, SUITE 190 MADISON, WI 53713 TEL: 262 253 4700   <a href="http://www.str-seg.com">www.str-seg.com</a>	Outagamie County Roof Replacement	Air Wisconsin Maintenance Building W6390 Challenger Drive - Appleton, WI	Drawn by FH Checked by BF	Sheet No. <b>D-11</b>
			03/27/20	Project No. 14898		<b>TYPICAL PLUMBING VENT FLASHING</b>



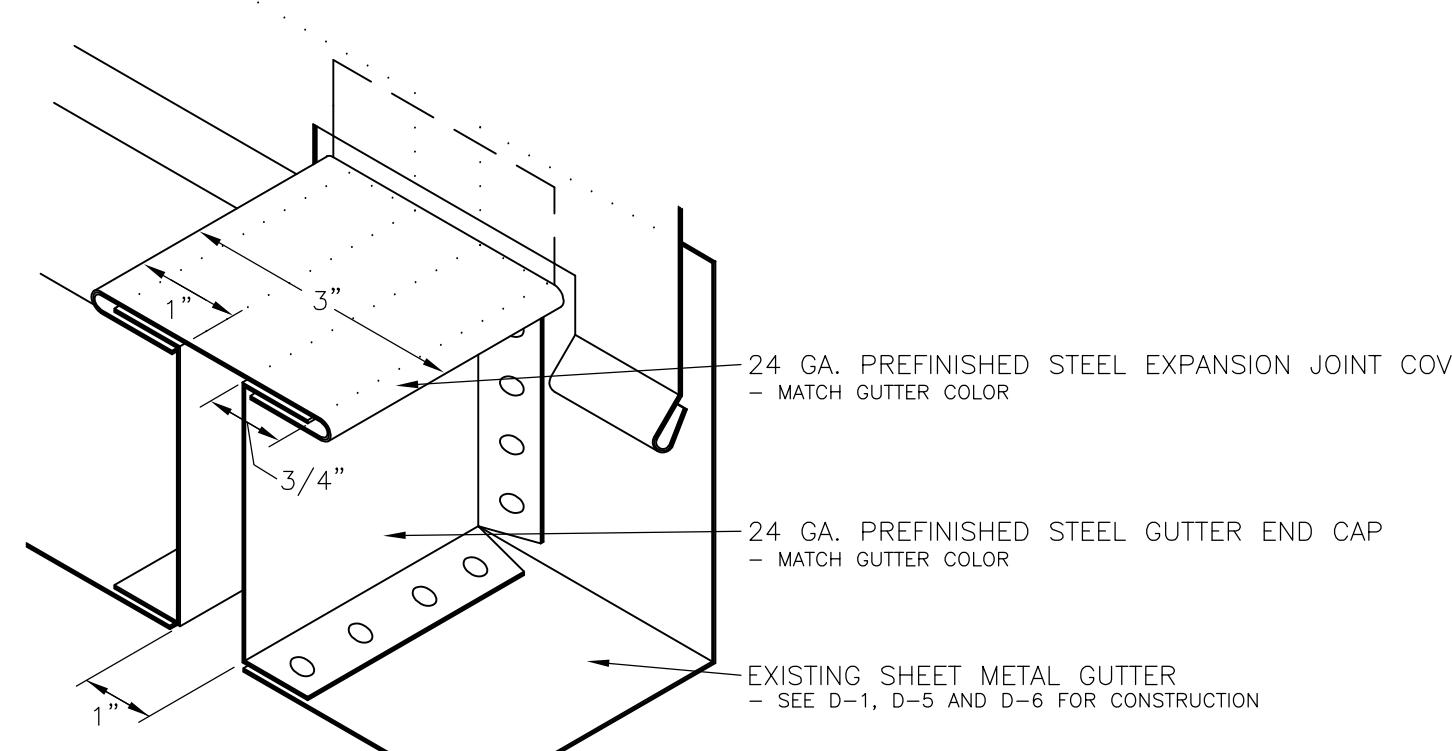
<b>S T R</b> <hr/> <b>S E G</b>	<b>SPECIALTY ENGINEERING GROUP LLC</b> 122 E. OLIN AVENUE, SUITE 190 MADISON, WI 53713 TEL: 262 253 4700   <a href="http://www.str-seg.com">www.str-seg.com</a>	Outagamie County Roof Replacement	Air Wisconsin Maintenance Building W6390 Challenger Drive - Appleton, WI	Drawn by FH Checked by BF	Sheet No. <b>D-12</b>
		03/27/20	Project No. 14898	TYPICAL PITCH PAN FLASHING	



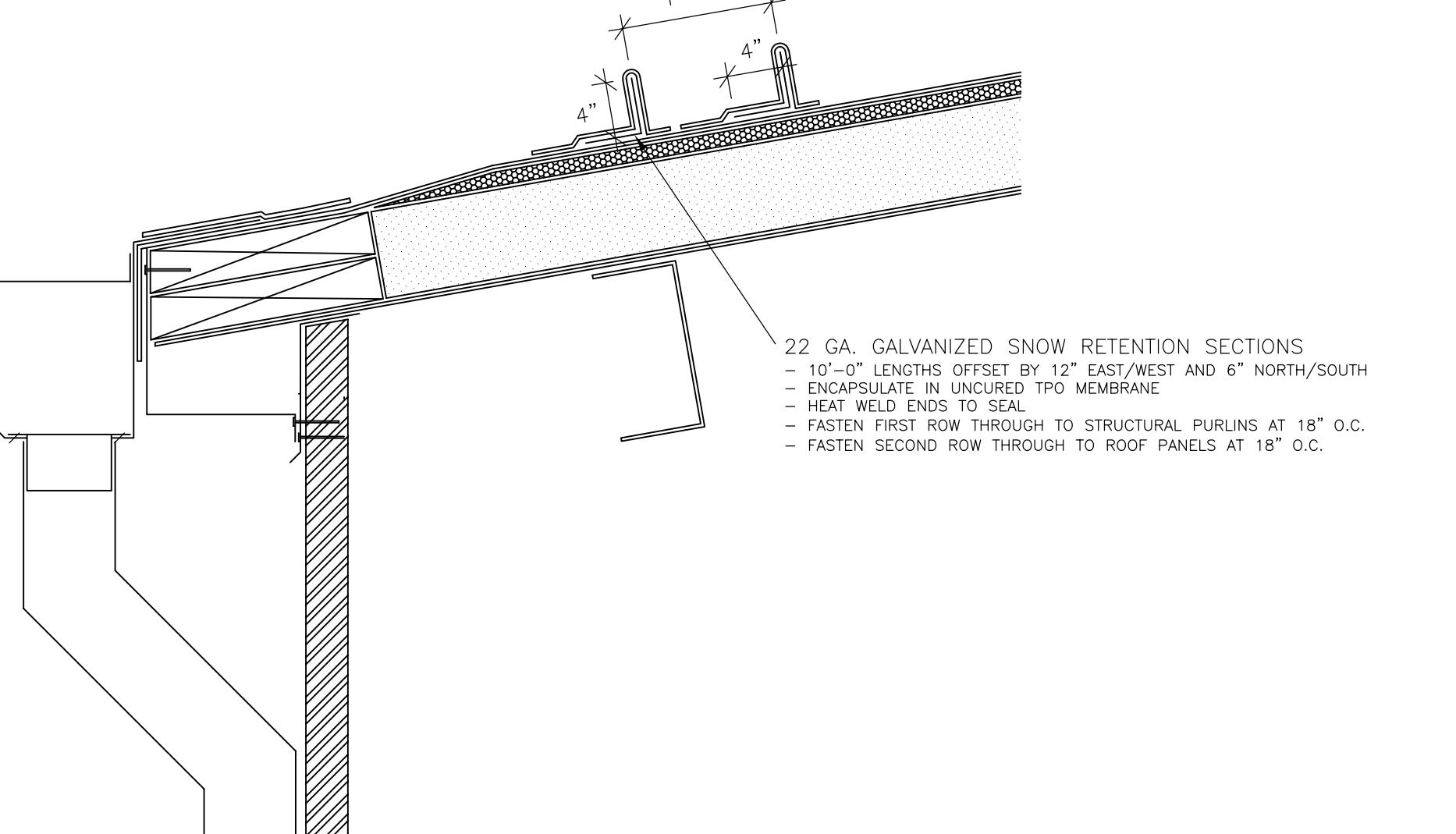
No. 13	S      T      R	<b>SPECIALTY ENGINEERING GROUP LLC</b> 122 E. OLIN AVENUE, SUITE 190 MADISON, WI 53713 TEL: 262 253 4700   <a href="http://www.str-seg.com">www.str-seg.com</a>	Outagamie County Roof Replacement	Air Wisconsin Maintenance Building W6390 Challenger Drive - Appleton, WI	Drawn by FH Checked by BF	Sheet No. <b>D-14</b>
			03/27/20	Project No. 14898	STACK SUPPORT AND FLASHING	



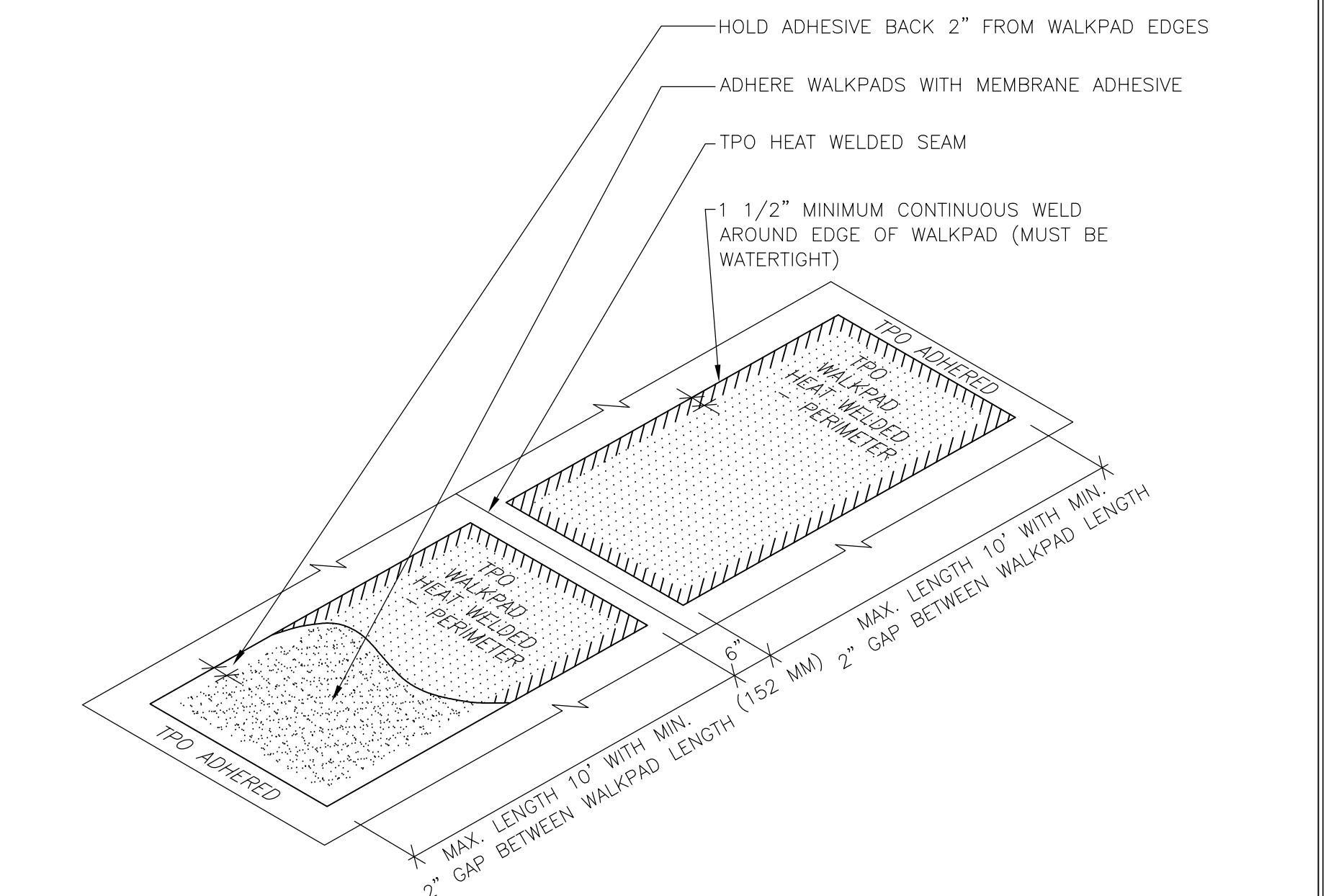
S	T	R	<b>SPECIALTY ENGINEERING GROUP LLC</b> 122 E. OLIN AVENUE, SUITE 190 MADISON, WI 53713 TEL: 262 253 4700   <a href="http://www.str-seg.com">www.str-seg.com</a>	Outagamie County Roof Replacement	Air Wisconsin Maintenance Building W6390 Challenger Drive - Appleton, WI	Drawn by FH Checked by BF	Sheet No. <b>D-15</b>
S	E	G		03/27/20   Project No. 14898	<b>TYPICAL SUPPORT FLASHING</b>		



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No. 16	S T R S E G	<b>SPECIALTY ENGINEERING GROUP LLC</b> 122 E. OLIN AVENUE, SUITE 190 M A D I S O N , W I 5 3 7 1 3 TEL: 262 253 4700   <a href="http://www.str-seg.com">www.str-seg.com</a>	Outagamie County Roof Replacement 03/27/20   Project No. 14898	Air Wisconsin Maintenance Building W6390 Challenger Drive - Appleton, WI TYPICAL SNOW RETENTION	Drawn by FH Checked by BF	Sheet No. D-17
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<b>S T R</b> <hr/> <b>S E G</b>	<b>SPECIALTY ENGINEERING GROUP LLC</b> 122 E. OLIN AVENUE, SUITE 190 MADISON, WI 53713 TEL: 262 253 4700   <a href="http://www.str-seg.com">www.str-seg.com</a>	Outagamie County Roof Replacement  03/27/20   Project No. 14898	Air Wisconsin Maintenance Building W6390 Challenger Drive - Appleton, WI  WALKPAD DETAIL	Drawn by FH  Checked by BF	Sheet No. <b>D-18</b>
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# Appleton International Airport

## W6390 Challenger Drive

WI  
Town of Greenville

# Town of Greenville

SHEET DESCRIPTION

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Alternate #1:  
AW South Building  
Roofing Details

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PROJECT MANAGER: A.Kiesau  
JOB NO: A1536A19  
DATE: 05/04/2020

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**INSTRUCTION SET**

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DRAWING NO.

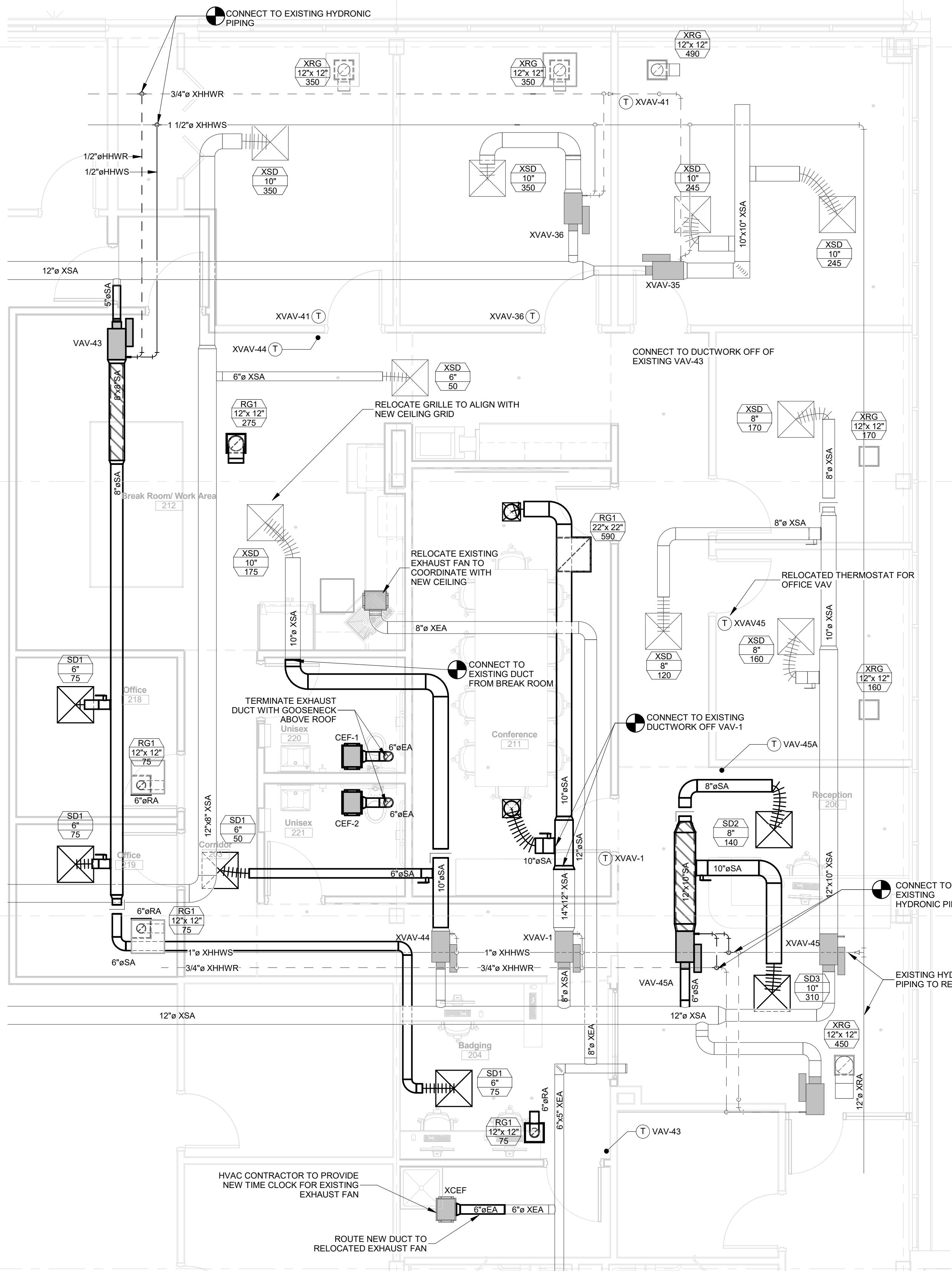
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**A802**

**Administrative Office Remodel**

**Appleton International Airport**

**Appleton**



  Mech Remodel Plan  
M100 SCALE: 1/4" = 1'-0"

  Mech Demo Plan  
M100 SCALE: 1/4" = 1'-0"

**HVAC Sheet List**

Sheet Number	Sheet Name
M100	HVAC FLOOR PLAN
M200	HVAC DETAILS AND SCHEDULES

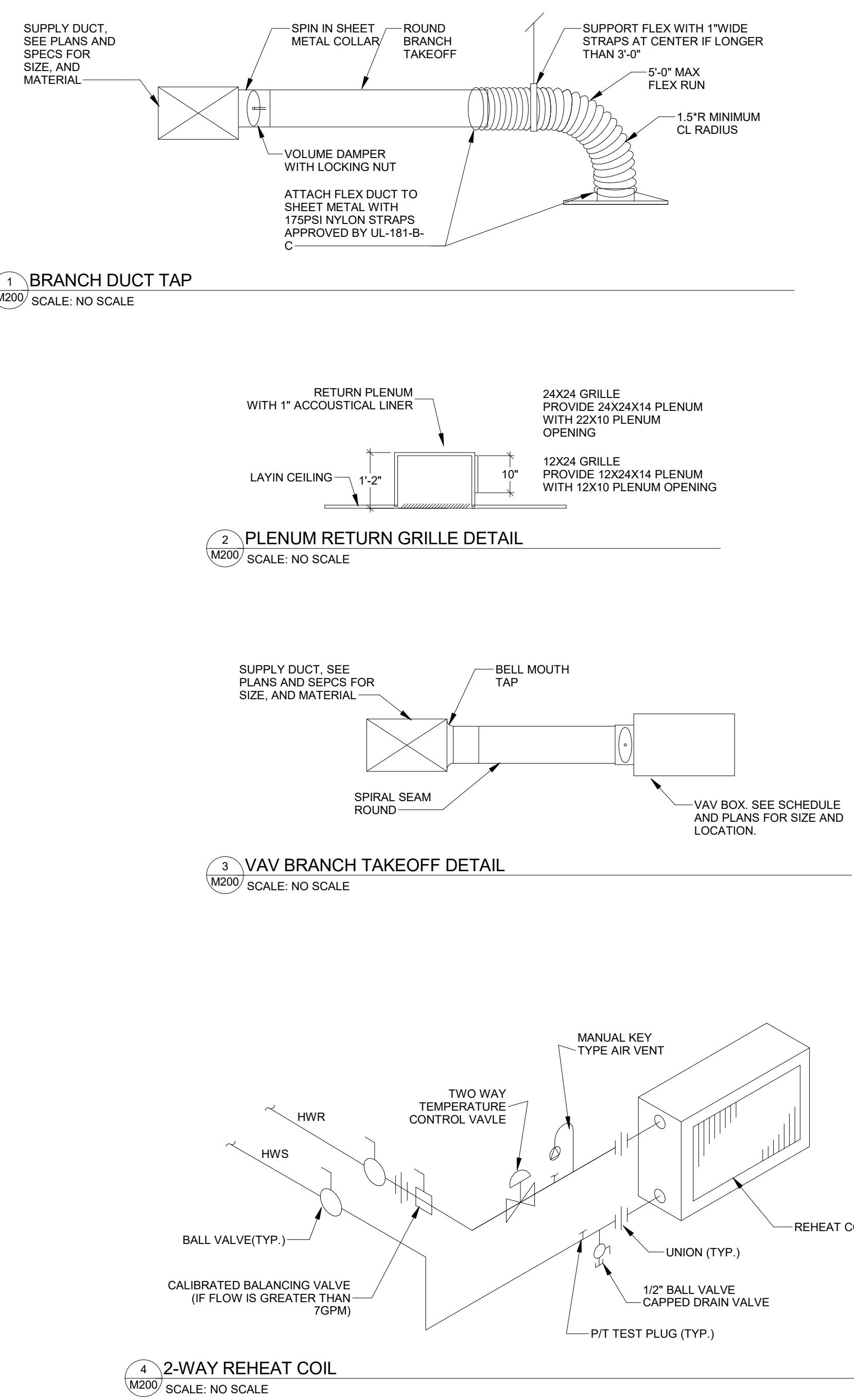
PROJECT MANAGER: E ASHLEY
PROJ NO: A1536A19
DATE: 05/04/2020
CONSTRUCTION SET
DRAWING NO.
<b>M100</b>

# Appleton International Airport

## W6390 Challenger Drive

Appleton

### Administrative Office Remodel



VAV BOX WITH HW REHEAT SCHEDULE																
TAG	SERVES	AIRFLOW				HEATING COIL				ELECTRICAL				MODEL	MFG	NOTES
		INLET	MAX.	MIN.	INLET VEL	APD	COIL ROWS	AIRFLOW	EAT	LAT	GPM	EWT	LWT	WPD	CAPACITY	
VAV-43	OFFICES AND BADGING	5"	225 CFM	68 CFM	1650 FPM	0.66 in-wg	2	112 CFM	55 °F	105 °F	120 °F	0.07 ft <sup>2</sup>	6200 Btu	SDV Series	PRICE	1,2,3
VAV-46A	RECEPTION	6"	450 CFM	225 CFM	2390 FPM	0.47 in-wg	2	225 CFM	55 °F	96 °F	140 °F	0.09 ft <sup>2</sup>	10000 Btu	SDV Series	PRICE	1,2,3
XVA-1		8"	320 CFM	0 CFM	920 FPM	0.00 in-wg	0	0 CFM	0 °F	0 °F	0 °F	0.00 ft <sup>2</sup>	0 Btu	EXISTING	EXISTING	
XVA-35		6"	500 CFM	0 CFM	2550 FPM	0.00 in-wg	0	0 CFM	0 °F	0 °F	0 °F	0.00 ft <sup>2</sup>	0 Btu	EXISTING	EXISTING	
XVA-36		6"	350 CFM	0 CFM	1780 FPM	0.00 in-wg	0	0 CFM	0 °F	0 °F	0 °F	0.00 ft <sup>2</sup>	0 Btu	EXISTING	EXISTING	
XVA-44		6"	590 CFM	0 CFM	3010 FPM	0.00 in-wg	0	0 CFM	0 °F	0 °F	0 °F	0.00 ft <sup>2</sup>	0 Btu	EXISTING	EXISTING	
XVA-45		8"	450 CFM	0 CFM	1290 FPM	0.00 in-wg	0	0 CFM	0 °F	0 °F	0 °F	0.00 ft <sup>2</sup>	0 Btu	EXISTING	EXISTING	

NOTES:  
1. PROVIDE DUCT TRANSITIONS AS NECESSARY TO CONNECT TO DUCT SIZES SHOWN ON PLANS  
2. PROVIDE LOW VOLTAGE TRANSFORMER FOR EACH DAMPER, LOCATE ABOVE ACCESSIBLE CEILING OR IN MECHANICAL ROOM  
3. PROVIDE 2 WAY HOT WATER VALVE

CEILING EXHAUST FAN SCHEDULE																
TAG	SERVES	AIRFLOW			TSP	INLET SONES	MOTOR			ELECTRICAL			MODEL	MFG	WEIGHT	NOTES
		INLET	MAX.	MIN.			WATTS	RPM	V	PH	Hz					
CEF-1	220 UNISEX	100 CFM	0.50 in-wg	4	35 W	900	115 V	1	60	Hz	SP-A200	Greenheck	25.00 lb	1,2,3,4		
CEF-2	221 UNISEX	100 CFM	0.50 in-wg	4	35 W	900	115 V	1	60	Hz	SP-A200	Greenheck	25.00 lb	1,2,3,4		

MECH EQ STARTERS & DISCONNECTS														
TAG	SERVES	DISCONNECTS			INSTALLED BY	LOCATION	TYPE	STARTERS			INSTALLED BY	LOCATION	TYPE	NOTES
		CONCEALED	EXPOSED	ALL				CONCEALED	EXPOSED	ALL				
CEF-1	220 UNISEX	HVAC	HVAC	ON UNIT	PLUG	ELECTRICAL	ELECTRICAL	IN SPACE	IN SPACE	OCCUPANCY SENSOR				
CEF-2	221 UNISEX	HVAC	HVAC	ON UNIT	PLUG	ELECTRICAL	ELECTRICAL	IN SPACE	IN SPACE	OCCUPANCY SENSOR				

DUCT CONSTRUCTION AND INSULATION SCHEDULE												
SYSTEM TYPE	LOCATION	MATERIAL	SMACNA PRESSURE CLASS	SMACNA SEAL CLASS	INSULATION TYPE	MIN R-VALUE	NOTES					
SUPPLY DUCT DOWNSTREAM OF VAVS OR CONSTANT VOLUME SYSTEMS	CONCEALED	GALVANIZED	2"	A	FLEXIBLE FIBERGLASS	6	1					
	EXPOSED	GALVANIZED	2"	A	--	NA	--					
RETURN DUCT	CONCEALED	GALVANIZED	2"	B	NONE	NA	--					
	EXPOSED	GALVANIZED	2"	B	NONE	NA	--					
TOILET EXHAUST	ALL	GALVANIZED	2"	B	NONE	NA	--					
SUPPLY DUCT UPSTREAM OF VAVS	CONCEALED	GALVANIZED	4"	A	FLEXIBLE FIBERGLASS	6	1					
	EXPOSED	GALVANIZED	4"	A	--	NA	--					

NOTES:  
1. OWENS CORNING, KNAUF, JOHNS MANVILLE, OR 3M INSULATION

GRILLES REGISTERS AND DIFFUSERS SCHEDULE													
TYPE	MOUNT	AIR FLOW CFM	NECK SIZE	FACE SIZE	MODEL	MFG	NOTES	DISCONNECTS	INSTALLED BY	LOCATION	TYPE	INSTALLED BY	LOCATION
SD1	Supply Air	LAYIN	AS SHOWN	6"ø	24" x 24"	SPD	PRICE						
SD2	Supply Air	LAYIN	AS SHOWN	8"ø	24" x 24"	SPD	PRICE						
SD3	Supply Air	LAYIN	AS SHOWN	10"ø	24" x 24"	SPD	PRICE						
SD4	Supply Air	SURFACE	AS SHOWN	8"ø	12" x 12"	SPD	PRICE						
RG1	Return Air	LAYIN	AS SHOWN		1"NECK SEE PLANS	530	PRICE						

NOTES:  
1. PROVIDE BAKED WHITE ENAMEL FINISH, VERIFY WITH ARCHITECT

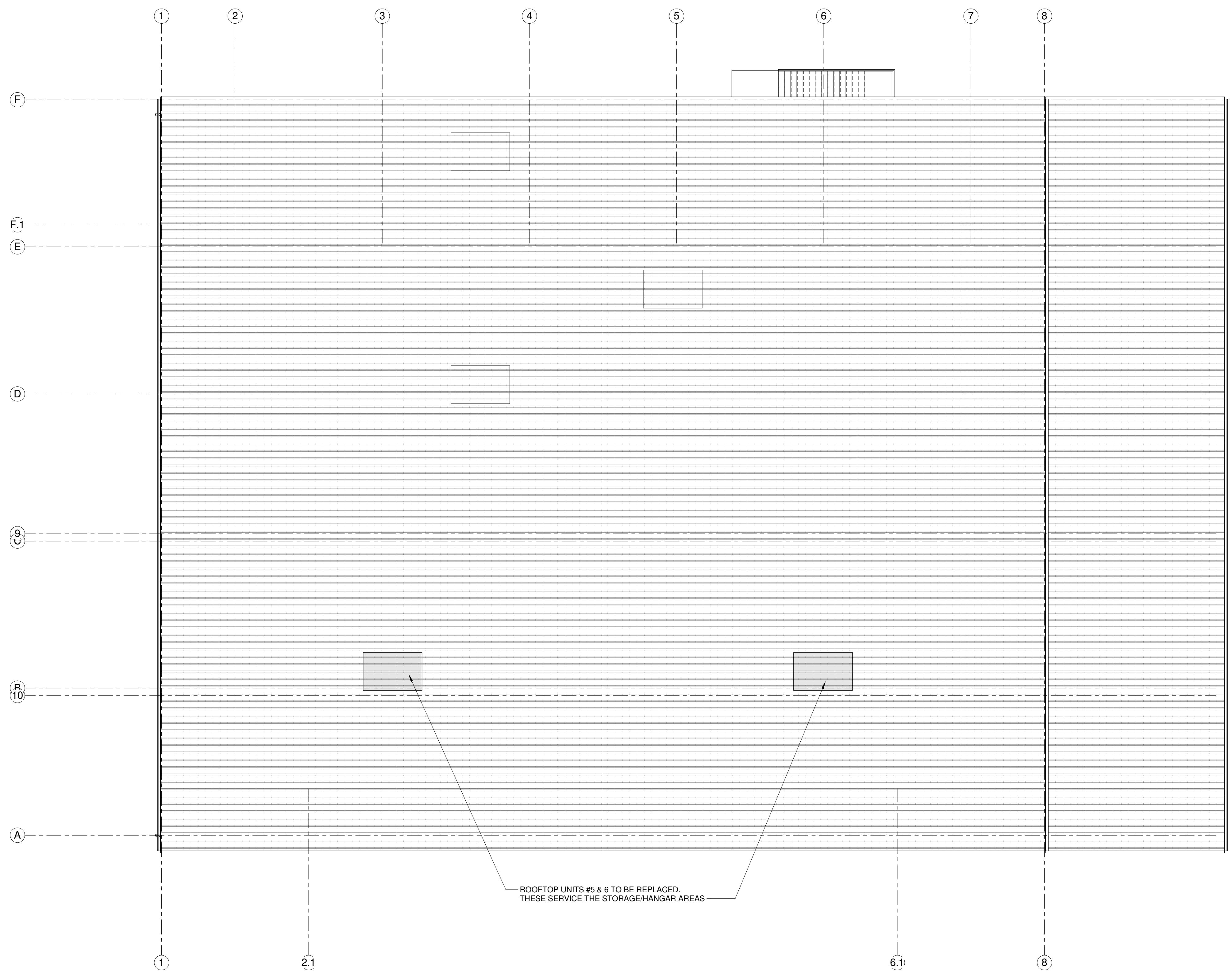
12X10	12" WIDE X 10" DEEP DUCT
12X10	12" ROUND DUCT
LINED DUCT	
RECT ELBOW	
RECT ELBOW WITH TURNING VANES	
RECT ELBOW UP OR DOWN	
RECTANGULAR RADIUS ELBOW	
FLEX DUCT	
ROUND TAP	
12X10AL	12X10 ALUMINUM DUCT
12X10SS	12X10 STAINLESS STEEL DUCT
12X10BI	12X10 BLACK IRON DUCT
CONNECTION TO EXISTING	
HHWS	HEATING HOT WATER SUPPLY
HHWR	HEATING HOT WATER RETURN
FIRE	FIRE SMOKE DAMPER
FIRE	FIRE DAMPER
SMOKE	SMOKE DAMPER
RADIATION	RADIATION DAMPER
RD	RD
(RVD)	REMOTE OPERATED VOLUME DAMPER
MOD	MOTOR OPERATED DAMPER
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
RE	RELIEF AIR
OA	OUTSIDE AIR

DUCT TAG NOMENCLATURE:	





<tbl\_r cells="2"



1  
M800  
Roof Plan - HVAC



EXISTING CARRIER ROOFTOP UNIT INFORMATION

ROOFTOP UNITS #5 & #6 REPLACEMENT:

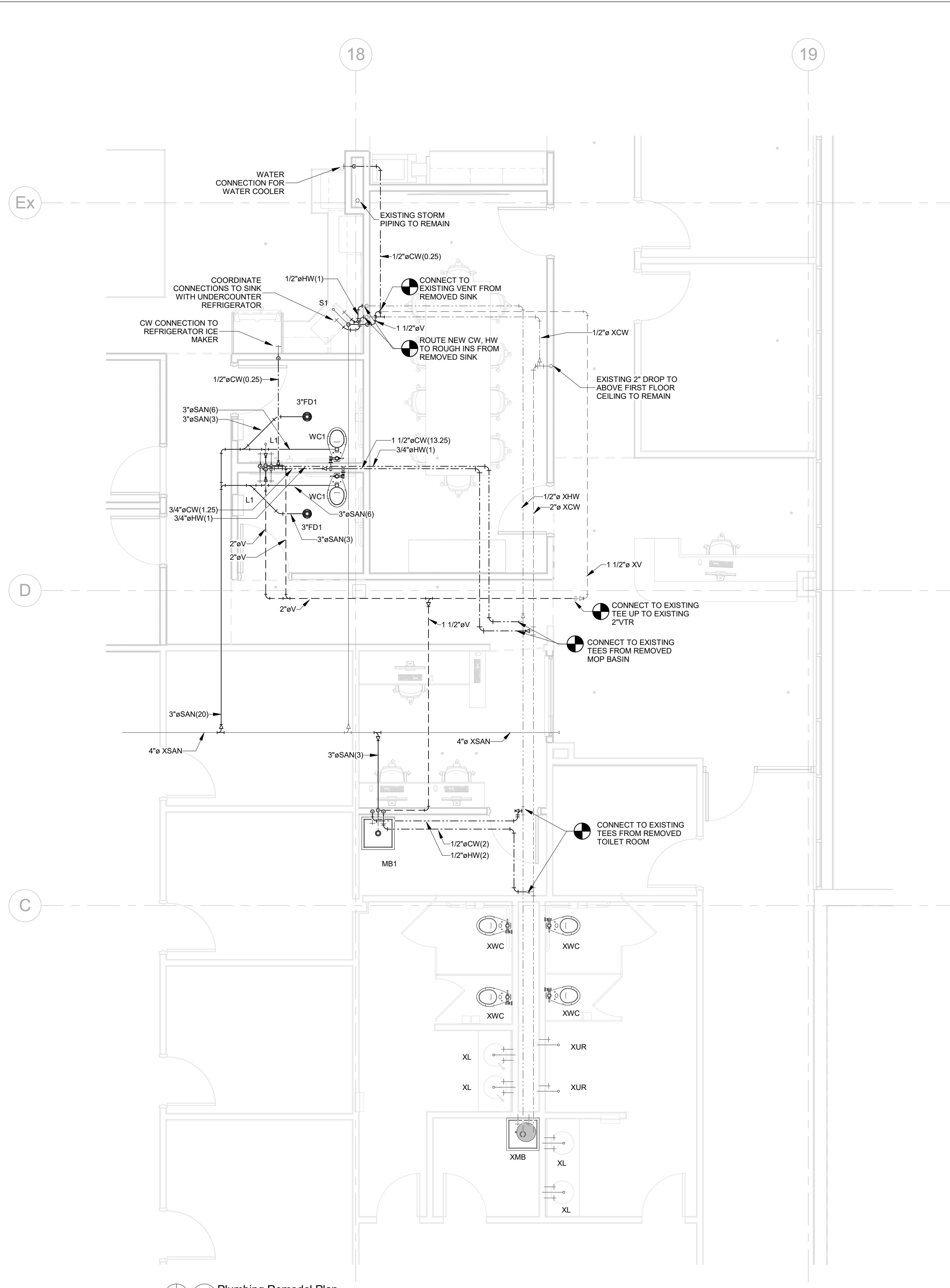
1. SHUTDOWN, REMOVE AND SITE CLEAR (2) EXISTING CARRIER ROOFTOP UNITS. TEMPORARILY DISCONNECT EXISTING ELECTRICAL AND GAS SERVICES TO THESE UNITS. RETAIN EXISTING REGULATOR FOR REUSE WITH NEW UNITS.
2. PROVIDE AND INSTALL (2) NEW PACKAGED ROOFTOP UNITS WITH EQUIVALENT CAPACITY WITH BACnet, INCLUDING ALL PIPING AND FITTINGS AS REQUIRED.
3. CONNECT GAS AND ELECTRICAL TO (2) NEW UNITS. FURNISH AND INSTALL NEW CONDENSATE DRAINS.
4. INCLUDE STANDARD MANUFACTURER PARTS WARRANTY AND 1-YEAR CONTRACTOR PARTS AND LABOR WARRANTY. INCLUDE GAS INTEGRATION WITH CONTROL WORK THROUGH AES.
5. PROVIDE AND INSTALL NEW EQUIPMENT CURBS OR MODIFY EXISTING TO FIT NEW UNITS. COORDINATE INSTALLATION OR MODIFICATION OF CURBS WITH ROOFING VENDOR. ROOFING VENDOR TO FLASH AT CURBS.

Air Wisconsin South Building Alterations  
W6390 Challenger Drive  
Appleton

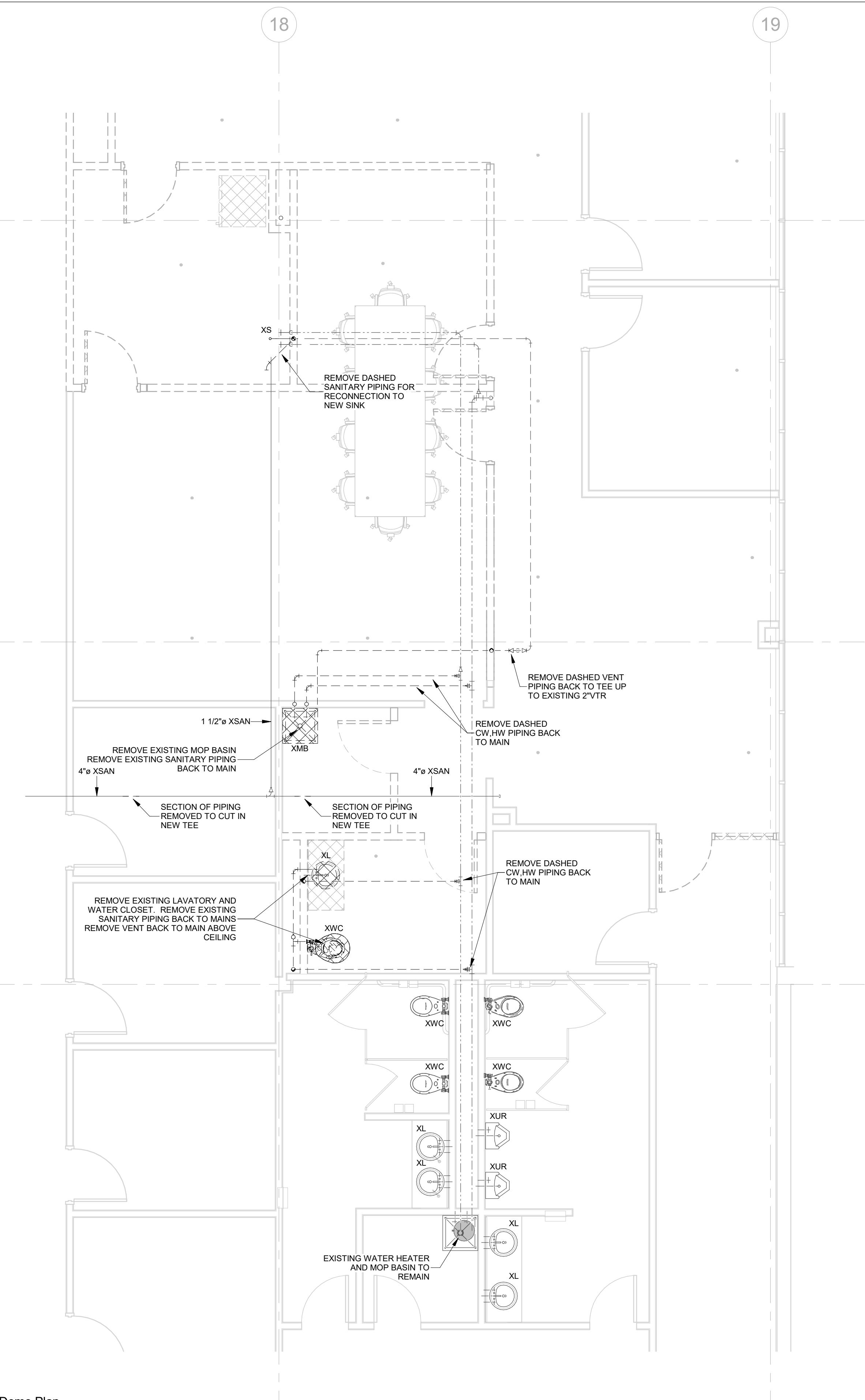
Sheet Description
ALTERNATE BID 2 - Rooftop HVAC Unit Replacement
PROJECT MANAGER: A.Kiesau
PROJ NO: A1536A19
DATE: 05/04/2020
CONSTRUCTION SET
DRAWING NO.
<b>M800</b>

**OMNI**  
ASSOCIATES

ONE SYSTEMS DRIVE PHONE (920) 755-6500  
APPLETON, WI 54914 FAX (920) 633-6100

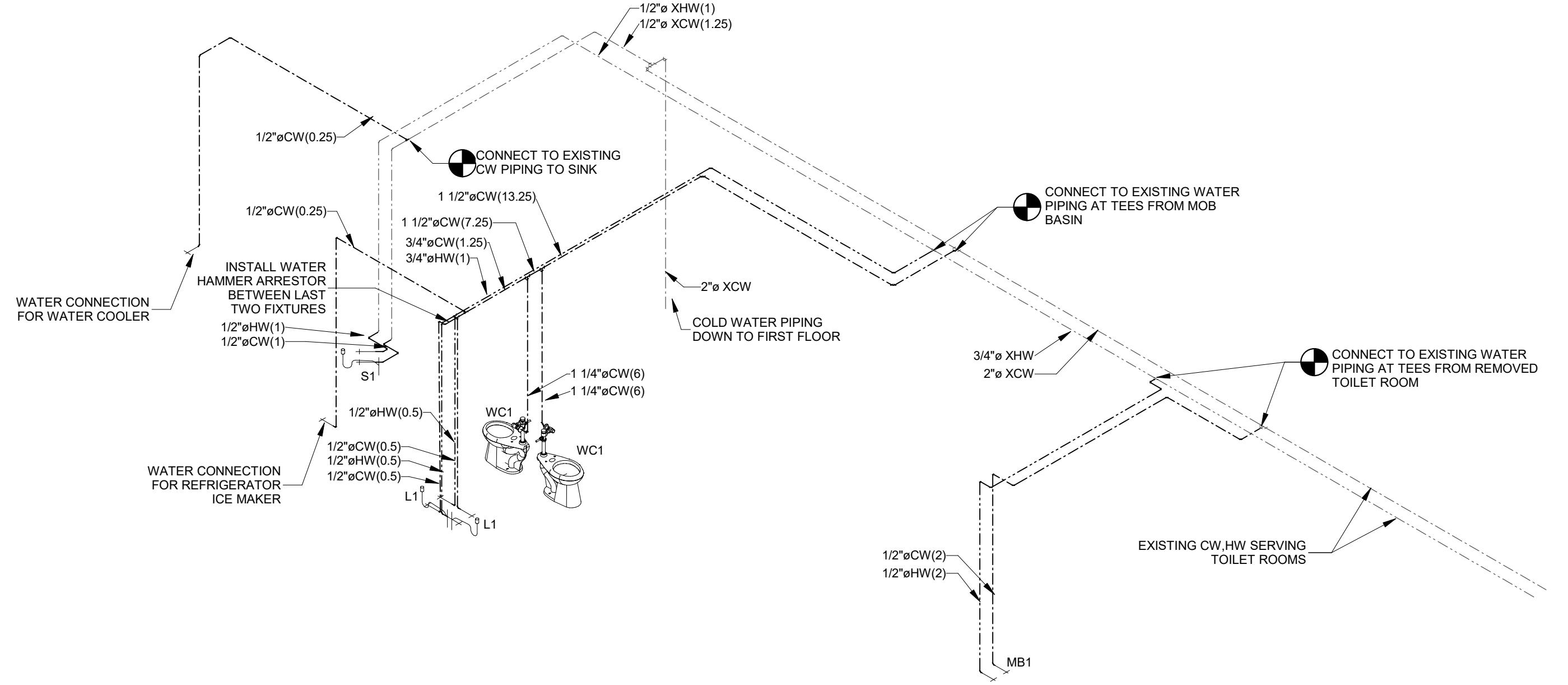


2 Plumbing Remodel Plan  
P100 SCALE: 1/4" = 1'-0"



1 Plumbing Demo Plan  
P100 SCALE: 1/4" = 1'-0"

Plumbing Sheet List	
Sheet Number P100	Sheet Name PLUMBING FLOOR PLANS
P200	PLUMBING ISOMETRICS AND DETAILS



**DOMESTIC WATER ISOMETRIC**  
SCALE: NO SCALE

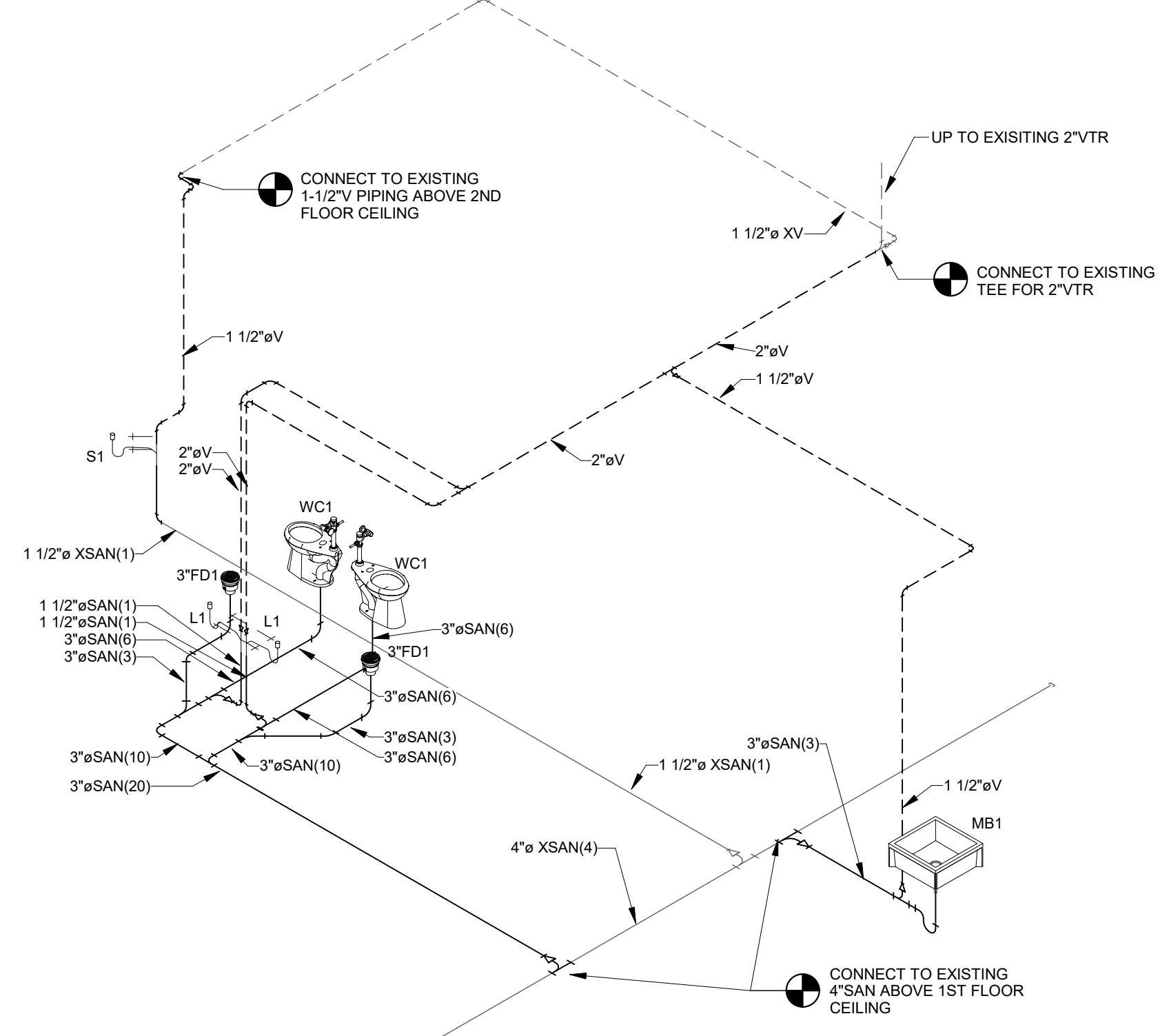
1200 SCALE: NO SCALE

## **PIPE TAG NOMENCLATURE:**

XSAN (21)

2 3 4

- PIPE SIZE
- MODIFIER (E.G. X-EXISTING, F-FILTERED, S-SOFT)
- SYSTEM TYPE (E.G. SAN - SANITARY,  
CW - COLD WATER, ETC.)
- QUANTITY OF FLOW,  
SAN - DFU (DRAINAGE FIXTURE UNITS)  
CW, HW - WSFU (WATER SERVICE FIXTURE UNITS)  
STORM - GPM (GALLONS PER MINUTE)  
GAS - CFH (CUBIC FEET PER HOUR)



**2 SANITARY AND VENT ISOMETRIC**  
**P200 SCALE: NO SCALE**

P200 SCALE: NO SCALE

Sheet Description	
PLUMBING ISOMETRICS AND DETAILS	
PROJECT MANAGER: E ASHLEY	
PROJ NO: A1536A19	
DATE: 05/04/2020	
CONSTRUCTION SET	
DRAWING NO.	
<b>P200</b>	
REV.	DATE
●	
ONE SYSTEMS DRIVE APPLETON, WI 54914	PHONE (920) 735-6900 FAX (920) 830-6100
WI	
 <b>OMNI</b> <b>ASSOCIATES</b>	
<b>Appleton International Airport</b> <b>W6390 Challenger Drive</b> <b>Appleton</b>	

Appleton International Airport  
WV6390 Challenger Drive

## Administrative Office Remodel

Sheet Description
Symbols and Abbreviations

## LIGHTING

- Lighting fixture
- Under cabinet lighting fixture
- Wall mounted lighting fixture
- Emergency battery unit
- Light track assembly
- Pole mounted light fixtures
- Post top mounted light fixture or bollard
- Flood light
- Ceiling recessed lighting fixture
- Wall recessed lighting fixture
- Ceiling mounted lighting fixture
- Wall mounted lighting fixture
- Exit lighting fixture - wall or ceiling mounted with direction arrows as required
- Local line voltage switch - mounted 48" AFF
- Switch designation
- Switch type
  - C - MOUNTED 6" ABOVE COUNTER
  - DM - DIMMER
  - DLS - DUAL LEVEL SWITCHING (INNER/OUTER LAMPS)
  - E - EXPLOSION PROOF
  - K - KEY OPERATED
  - P - PULL
  - SD - STEP-DIM (DUAL LEVEL SWITCHING)
  - SX - SWITCH STATION
  - TS - TIMER SWITCH
  - WP - WEATHER PROOF
  - 2 - DOUBLE POLE
  - 3 - 3 WAY
  - 4 - 4 WAY

- OCCUPANCY SENSOR
  - CW - COLD WEATHER (PIR)
  - DW - DUAL TECHNOLOGY (PIR/ULTRASONIC)
  - DLS - DUAL LEVEL SWITCHING (INNER/OUTER LAMPS)
  - PP - POWER PACK
  - PI - PASSIVE INFRARED
  - SP - SLAVE PACK
  - UA - ULTRASONIC AREA COVERAGE
  - UH - ULTRASONIC HALL COVERAGE
  - WD - WALL DUAL TECHNOLOGY (1-BUTTON/2-BUTTON)
  - WDD - WALL DUAL TECHNOLOGY DIMMING
  - WT - WALL TIMER
  - WP - WALL PIR
  - 2 - TWO INDEPENDENT LTG. LOADS
  - 3 - 3 WAY

- NETWORK LIGHTING CONTROL MODULE (MODULES CONNECTED VIA CAT.5e OR BETTER CABLE)
  - 1 - ONE LEVEL SWITCHING
  - 2 - TWO LEVEL SWITCHING
  - DM - DIMMING WITH RELAY (0-10VDC)
  - EM - EMERGENCY DIMMING
  - KS - KEY SWITCH (MOMENTARY WITH OR WITHOUT DIMMING)
  - PBX - PUSH BUTTON (X = TYPE)
  - PD - PHOTO CONTROL
  - PDT - PASSIVE DUAL TECHNOLOGY (PIR/MICROPHONIC)
  - PR - PASSIVE PIR/RED
  - PS - PHOTO SENSOR
  - W - WIRELESS
  - WP - WALL POS
  - WS - WIRELESS SITE PIR

- MOMENTARY CONTACT SWITCH
  - SUBSCRIPT DESIGNATION INDICATES CONTACTOR CONTROLLED

- LOCAL SWITCH, SINGLE POLE, WITH DUPLEX RECEPTACLE - MOUNTED 48" AFF

- LOCAL SWITCH, SINGLE POLE, WITH DUPLEX RECEPTACLE - MOUNTED 6" ABOVE COUNTER

- LOW VOLTAGE SWITCH STATION

- DENOSES THE FOLLOWING:

- DLS - DUAL LEVEL SWITCHING
- K - KEYED SWITCH
- OR - OVERRIDE

- LCP - LIGHTING CONTROL PANEL

- LRR - LIGHTING REMOTE RELAY

- LER - LIGHTING EMERGENCY RELAY

- LS - LIGHT SENSOR

- ZONE X-X: LIGHTING CONTROL

- DENOSES THE FOLLOWING:

- RELAY/DIMMER CONNECTION POINT

- MODULE NO.

- LIGHTING PANEL NO.

## INTERCOM/CLOCK/SOUND

- INTERCOM DOOR STATION
- INTERCOM MASTER STATION
- INTERCOM SWITCHING EQUIPMENT
- SYSTEM CLOCK - MOUNTED 1'-0" BELOW FINISHED CEILING
- SYSTEM CLOCK - DUAL FACE - MOUNTED 1'-0" BELOW FINISHED CEILING
- ELAPSE TIMER
- CLASSROOM PANEL
- TIME-TONE UNIT (IP CLOCK & SPEAKER) - SINGLE FACE, UNLESS NOTED

- DENOSES THE FOLLOWING:

- C - CEILING (12" BELOW CEILING)
- D - DUAL FACE
- L - LARGE
- W - WALL (86" AFF TO TOP)

- CALL-IN DEVICE - MOUNTED AT 48" AFF

- DENOSES THE FOLLOWING:

- A - ADMINISTRATIVE TELEPHONE
- C - CALL BUTTON
- H - HAND SET

- MICROPHONE OUTLET - MOUNTED AT 18" AFF

- MICROPHONE OUTLET - MOUNTED FLUSH IN FLOOR

- LOUDSPEAKER - FLUSH MOUNTED ON CEILING

- DENOSES THE FOLLOWING:

- IP - IP CONNECTED

- IP(S) - IP CONNECTED SATELLITE UNIT

- LOUDSPEAKER - SURFACE MOUNTED ON CEILING (VR - VANDAL RESISTANT)

- LOUDSPEAKER - FLUSH MOUNTED ON WALL

- LOUDSPEAKER - SURFACE MOUNTED ON WALL

- EMERGENCY MUSHROOM HEAD PUSH BUTTON

- CEILING SPEAKER - DUAL TAP, COMBINATION PAGING AND INTERCOM

- HORN LOUDSPEAKER - SURFACE MOUNTED

- PUSH BUTTON

- MOTOR - SEE SCHEDULE

- VOLUME CONTROL - MOUNTED AT 48" AFF

- BELL

- DENOSES THE FOLLOWING:

- 1 - ONE LEVEL SWITCHING

- 2 - TWO LEVEL SWITCHING

- DM - DIMMING WITH RELAY (0-10VDC)

- EM - EMERGENCY DIMMING

- KS - KEY SWITCH (MOMENTARY WITH OR WITHOUT DIMMING)

- PBX - PUSH BUTTON (X = TYPE)

- PD - PHOTO CONTROL

- PDT - PASSIVE DUAL TECHNOLOGY (PIR/MICROPHONIC)

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- PS - PHOTO SENSOR

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- DENOSES THE FOLLOWING:

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- LRR - LIGHTING REMOTE RELAY

- LER - LIGHTING EMERGENCY RELAY

- LS - LIGHT SENSOR

- ZONE X-X: LIGHTING CONTROL

- DENOSES THE FOLLOWING:

- RELAY/DIMMER CONNECTION POINT

- MODULE NO.

- LIGHTING PANEL NO.

## POWER AND DIAGRAMS

- SINGLE RECEPTACLE - MOUNTED 16" AFF TO BOTTOM, UNLESS NOTED.
- DUPLEX RECEPTACLE - MOUNTED 16" AFF TO BOTTOM, UNLESS NOTED.
- DENOSES THE FOLLOWING:
- C - MOUNTED 6" ABOVE COUNTER TO BOTTOM
- CLG - CEILING MOUNTED
- DD - FOURPLEX RECEPTACLE - COMBO DUELEX RECEPTACLE - MOUNTED ON COMBO OVERPLATE.
- EQ - MOUNTED ON EQUIPMENT OR MILLWORK
- GFI - GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE
- H - MOUNTED HORIZONTALLY
- IG - ISOLATED GROUND
- S - UPPER HALF SWITCH
- SP - SURGE PROTECTION
- TL - TWISTLOCK
- TP - TWIN POLE (CHILDSAFE) TYPE
- TS - MOUNTED HORIZONTALLY IN TOE SPACE
- TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSOR WITH ISOLATED GROUND
- USB - PORTABLE CHARGER PORTS
- WP - WEATHER PROOF WITH GFI
- WPIU - WEATHER PROOF WITH GFI AND IN-USE COVER

- CALL-IN DEVICE - MOUNTED AT 48" AFF
- DENOSES THE FOLLOWING:
- A - ADMINISTRATIVE TELEPHONE
- C - CALL BUTTON
- H - HAND SET

- MICROPHONE OUTLET - MOUNTED AT 18" AFF

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- LOUDSPEAKER - SURFACE MOUNTED ON WALL

- EMERGENCY MUSHROOM HEAD PUSH BUTTON

- CEILING SPEAKER - DUAL TAP, COMBINATION PAGING AND INTERCOM

- HORN LOUDSPEAKER - SURFACE MOUNTED

- PUSH BUTTON

- MOTOR - SEE SCHEDULE

- VOLUME CONTROL - MOUNTED AT 48" AFF

- BELL

- DENOSES THE FOLLOWING:

- 1 - ONE LEVEL SWITCHING

- 2 - TWO LEVEL SWITCHING

- DM - DIMMING WITH RELAY (0-10VDC)

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- KS - KEY SWITCH (MOMENTARY WITH OR WITHOUT DIMMING)

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- LOW VOLTAGE SWITCH STATION

- DENOSES THE FOLLOWING:

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- K - KEYED SWITCH

- OR - OVERRIDE

- LCP - LIGHTING CONTROL PANEL

- LRR - LIGHTING REMOTE RELAY

- LER - LIGHTING EMERGENCY RELAY

- LS - LIGHT SENSOR

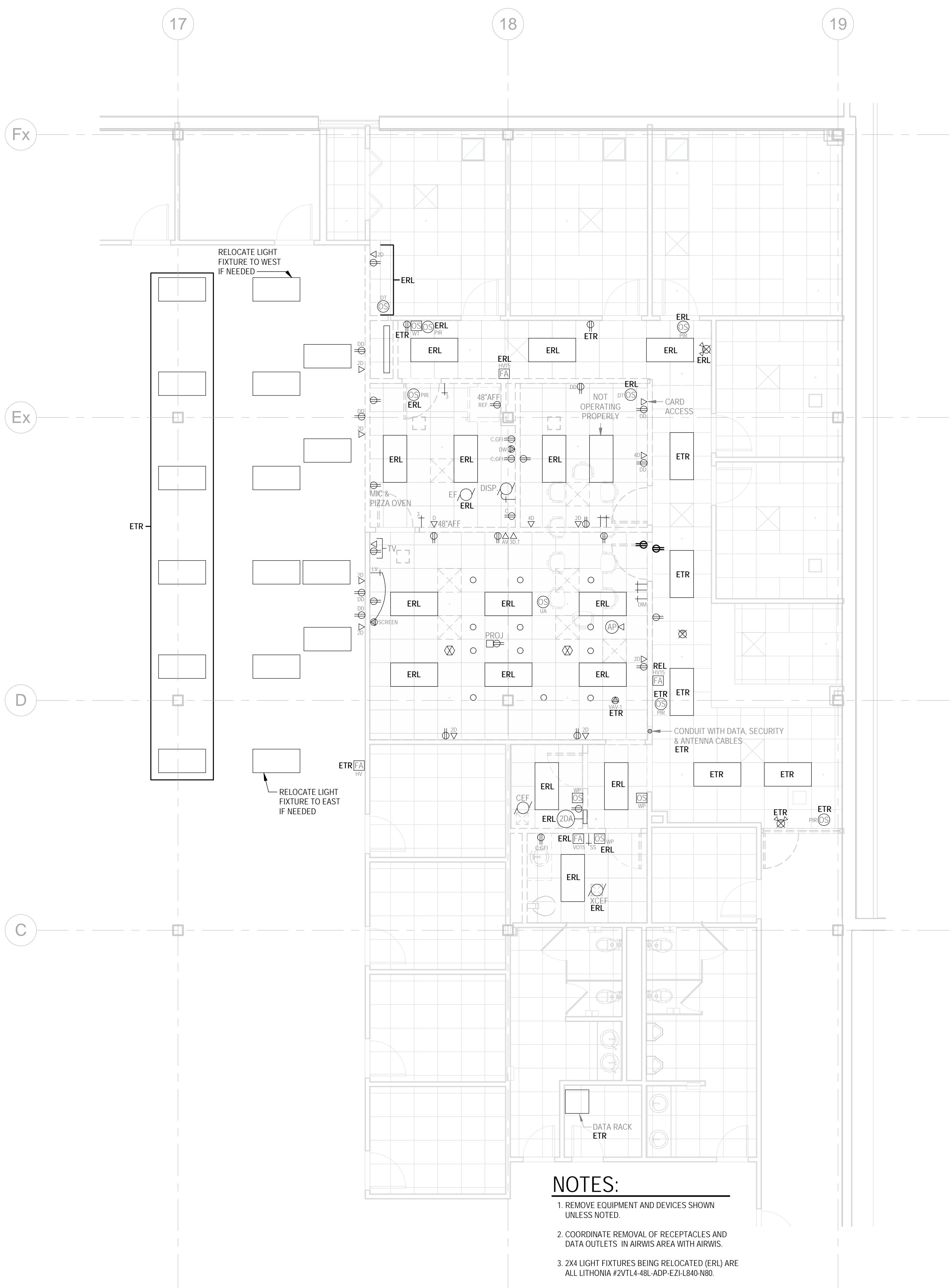
- ZONE X-X: LIGHTING CONTROL

- DENOSES THE FOLLOWING:

- RELAY/DIMMER CONNECTION POINT

- MODULE NO.

- LIGHTING PANEL NO.



2nd Floor Electrical Demolition Plan  
E200  
3/16" = 1'-0"

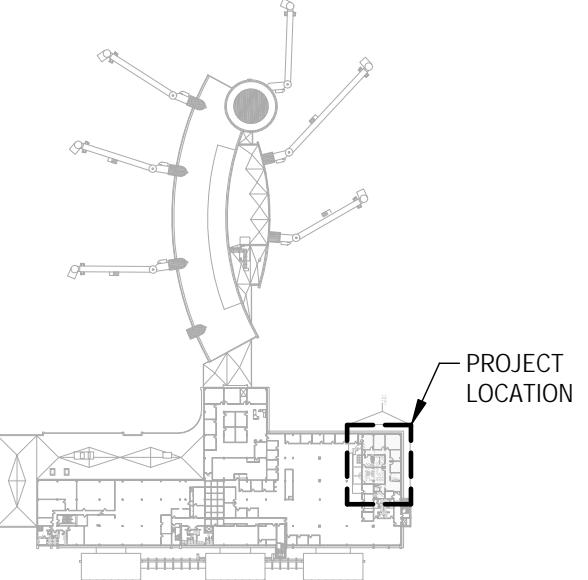
## NOTES:

1. REMOVE EQUIPMENT AND DEVICES SHOWN UNLESS NOTED.
2. COORDINATE REMOVAL OF RECEPTACLES AND DATA OUTLETS IN AIRWIS AREA WITH AIRWIS.
3. 2X4 LIGHT FIXTURES BEING RELOCATED (ERL) ARE ALL LITHONIA #2VTL4-48L-ADP-EZI-L840-N80.

The image shows an architectural drawing header. On the left is a black north arrow pointing upwards. To its right is a circular logo containing the number '3' at the top and 'E200' at the bottom. To the right of the logo is the text '2nd Floor Electrical Overall Plan'. Below the logo is the scale '1" = 20'-0".

PROJECT  
LOCATION

# Administrative Office Remodel Appleton International Airport W6390 Challenger Drive



## KEY PLAN. ---

# KEY PLAN.

---

## N.T.S.

### 2nd Floor Electrical Demolition Plans



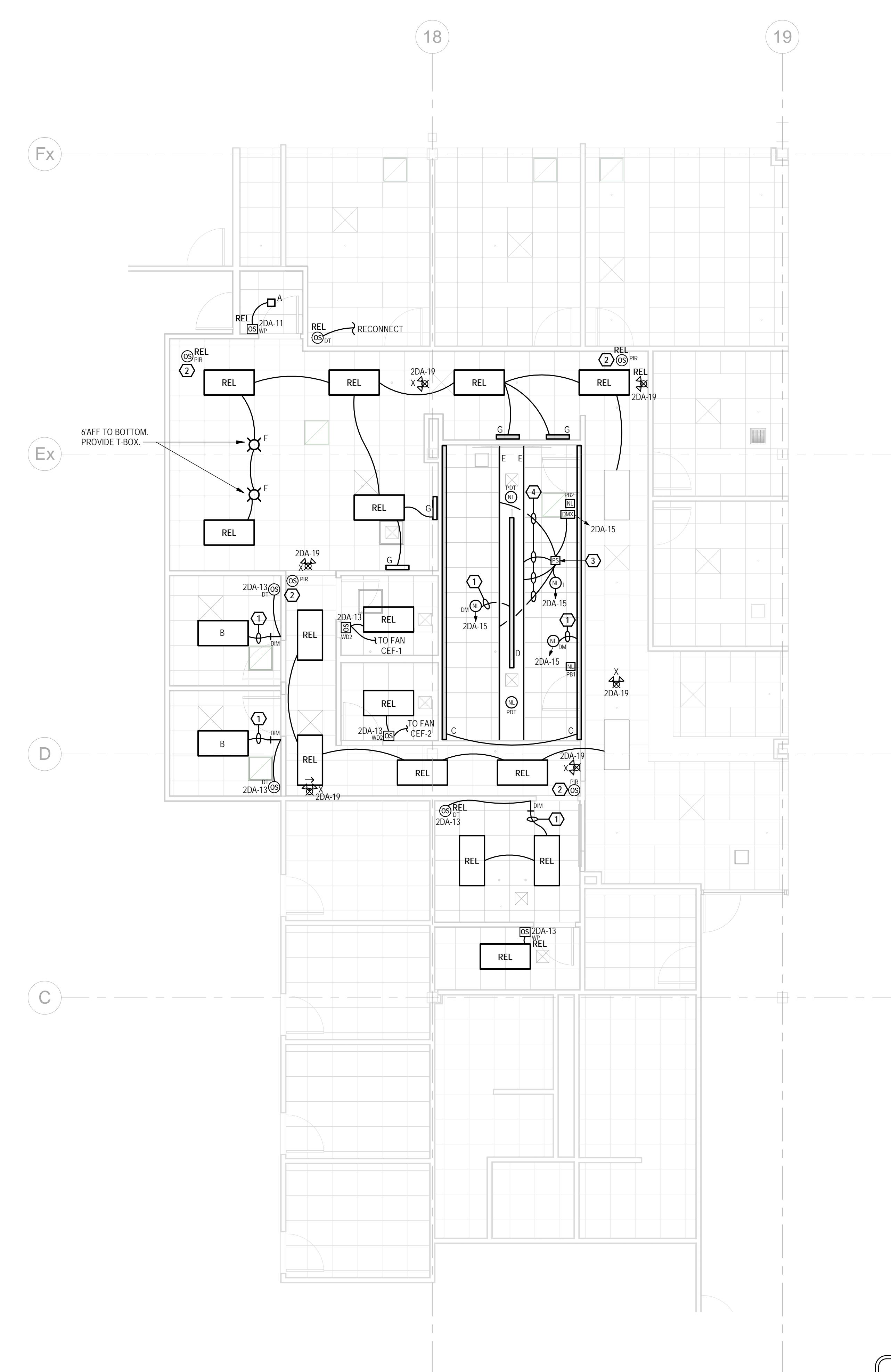
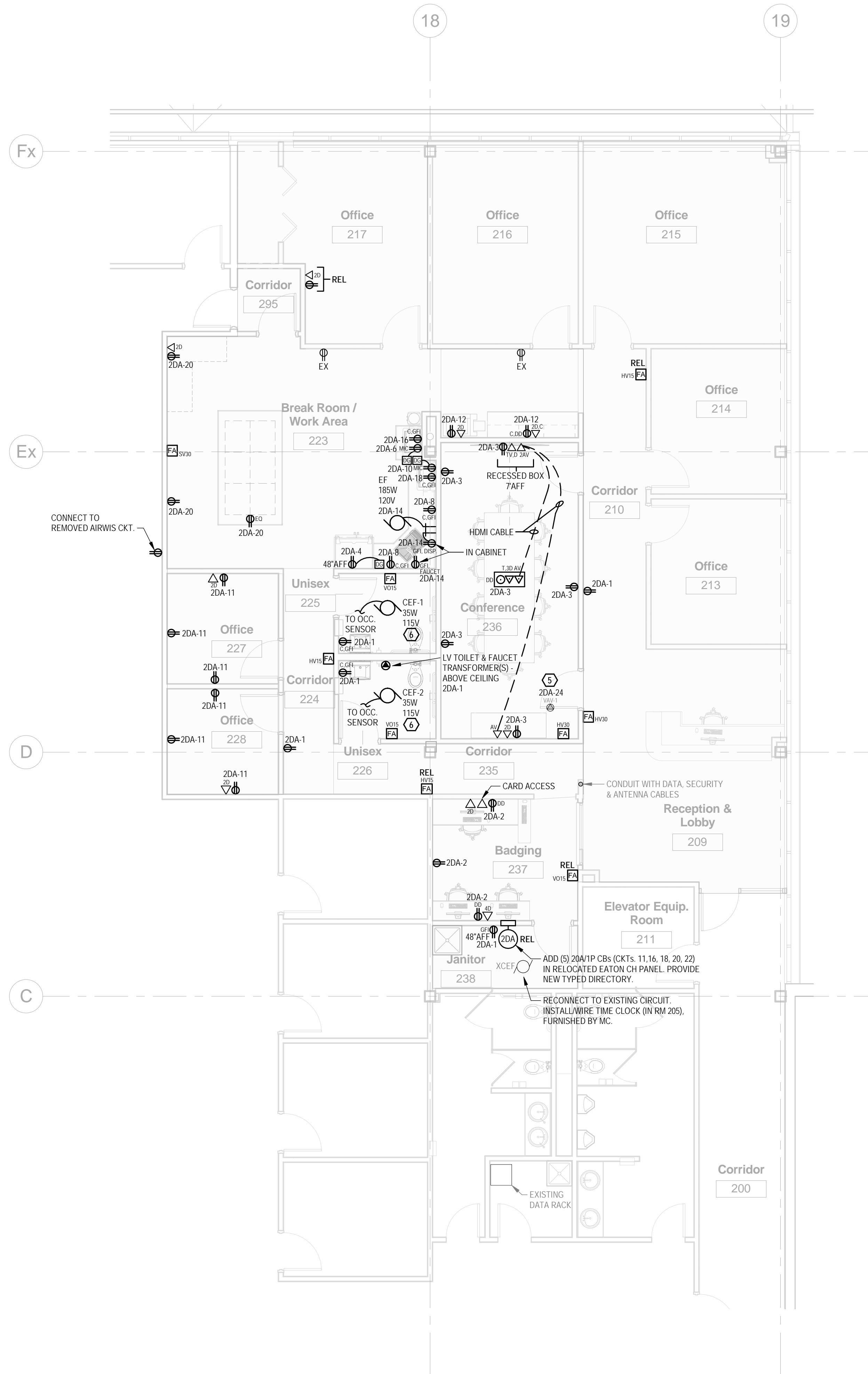
20711 WATERTOWN RD., SUITE C  
WAUKESHA, WI 53186  
VOICE: 262-827-9575  
FAX: 262-827-9615

PROJECT MANAGER: GWS  
PROJ NO: A1536A19  
DATE: 05/04/2020

**CONSTRUCTION SET**

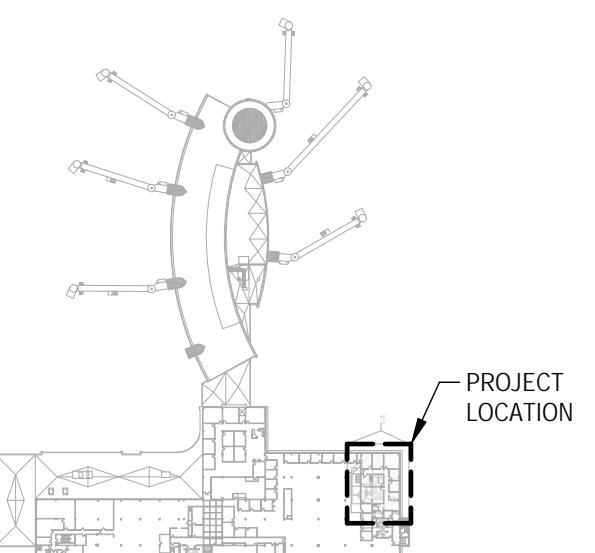
DRAWING NO.

**E200**



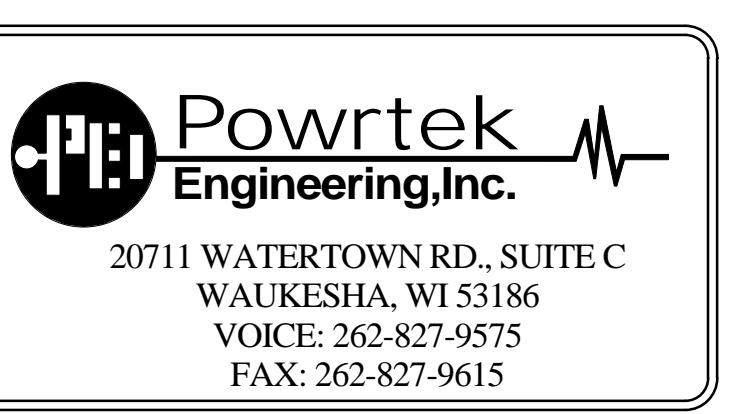
#### KEYED NOTES:

- ① PWR & 0-10V WIRING.
- ② SENSOR INTERFACED WITH EXISTING SENSOR/SWITCH FOR CONTROL OF COMMON AREA LIGHTING.
- ③ DMX POWER SUPPLY (IN CEILING).
- ④ 5/C #14 (24VDC) WIRING. BREAK UP RUNS AS NEEDED PER MANUFACTURER.
- ⑤ RECONNECT EXISTING VAV-1 TO NEW CIRCUIT INDICATED.
- ⑥ PLUG CONNECTED. WIRE/INSTALL SPEED SWITCH FURNISHED BY MC.



#### KEY PLAN

N.T.S.



# Appleton International Airport W6390 Challenger Drive Appleton

Administrative Office Remodel

REV.	DATE	DESCRIPTION

**OMNI**  
ASSOCIATES

ONE SYSTEMS DRIVE PHONE (262) 735-6500  
APPLETON, WI 54914 FAX (920) 833-9610

CIRCUIT DESCRIPTION	AMPS			CIRKT	CB	AMPS	CIRKT	REMARKS:				
	A	B	C					MOUNTING				
	9.0	10.5	6.0					SURFACE	RELOCATED EATON CH PANEL, 10KAIC			
HALL-JAN-TLT-VEST RCPT	9.0			20	1	2	20	6.0	RM 204 RCPT			
CONF. RM RCPT		10.5		20	3	4	20	10.0	REFRIGERATOR			
RECEPTION RCPT			6.0	20	5	6	20		E. MICROWAVE			
RM 207-208 RCPT	7.5			20	7	8	20	12.0	E. BREAKRM COUNTER RCPTS			
RM 209-214-215 RCPT		9.0		20	9	10	20	12.0	E. MICROWAVE			
RM 218/219 RCPT			9.0	20*	11	12	20	12.0	COPIER/COUNTER RCPT 210			
LTS & CEFS - S&W	6.5			20	13	14	20	5.2	DISPOSAL/FAUCET/EF			
CONF. RM LTS		4.0		20	15	16	20*	12.0	W. BREAKRM COUNTER RCPT			
LTS - N			3.0	20	17	18	20*		C. BREAKRM COUNTER RCPT			
EXITS/HALL LTS	5.5			20	19	20	20*	4.5	WORK AREA RCPTS			
				21		22						
				23		24	20*		3.6 VAV BOX			
				25		26						
				27		28						
				29		30						
				31		32						
TOTAL 56.1 57.5 57.6 CONNECTED												
* ADDED CB												

NETWORK SWITCH SCHEDULE			
ID	DESCRIPTION	MFR	CAT. NO.
PB1	ON/OFF (1 SCENE)	NLIGHT	NPODM-1SB
PB2	ON/OFF, 4 SCENES, DIMMING	NLIGHT	NPODM-4S-DX

LIGHTING FIXTURE SCHEDULE										
ABBREVIATIONS										
C - CONCRETE	CB - CONCRETE BASE	F - FLUSH	P - PENDANT	U - UNIVERSAL						
CH - CHAIN	ES - EXPOSED STRUCTURE	G - GYP BOARD	R - RECESSED	V - VARIES						
		LG - LAYIN GRID	S - SURFACE	W - WALL						
				WD - WOOD						
DES.	DESCRIPTION	VOLT	DEPTH	MFR.	CAT. NO.	MTG.	MTG.	SEE	NOTE	LFX
A	6" SQUARE LED DOWNLIGHT (4000K, 790LM, 11W, L70=50,000HRS, 90CRI)	120-277	4.6"	LITHONIA	6JBK-SQ-40K-90CRI-MW			R	LG	
B	2' X 4' LED VOLUMETRIC (4000K, 7434LM, 59W, L80=60,000HRS, 80CRI)	120-277	4.4"	LITHONIA	2VTL4-72L-ADP-EZ1-LP840-N80			R	LG	
C	4" LED PERIMETER LINEAR (REGRESSED 2") (4000K, 300LM/FT, 2.7W/FT, L85=50,000HRS, 80CRI)	120-277	6"	AXIS	BBPRLLED-300-80-40-RG2-XX-W-UNV-DP-1-TB15-TS			R	LG	LF1
D	4" LED RECESSED LINEAR (4000K, 400LM/FT, 3.6W/FT, L85=50,000HRS, 80CRI)	120-277	4"	AXIS	BBRLED-400-80-40-FL-12-W-UNV-DP-1-DF			R	G	
E	RGBW LED TAPE (244LM/FT, 5.3W/FT, L70=60,000HRS)	24V/DC	-	LUMEN-PULSE	TPL-RGBW-I24 LT02 (LUMENTOUCH 2.0 DMX CONTROL STATION)			S	ES	LF2
F	LED DECORATIVE PENDANT (4000K, 817LM, 15W, L70=50,000HRS, 90CRI)	120	-	KUZCO	PD61412-CL/WH-4000K			P	LG	LF3
G	LED UNDERCABINET (4000K, 867LM, 12W, L70=50,000HRS, 90CRI)	120	-	JUNO	UPLD-22IN-SWW4-90CRI-WH			S	CAB	LF4
X	COMBO EXIT/EM LIGHT (4.3W)	120/277	-	LITHONIA	LHQM-LED-R-SD			U	LG	LF5

#### LIGHTING FIXTURE SCHEDULE NOTES:

- LF1. PROVIDE LENGTH/CONFIGURATION AS REQUIRED BY PLANS TO EXTEND BETWEEN WALLS.
- LF2. INSTALL TAPE LIGHT INSIDE COVE (FACING UP). PROVIDE RUN LENGTHS AS NEEDED. PROVIDE #TPL-RGBW-I-LEAD-(CD) LEAD ENDS FOR EACH RUN AS NEEDED. PROVIDE #ADUL-320-3-4-24-DIN DMX POWER SUPPLY. PROVIDE #MCHAN-8-LP MOUNTING CHANNELS. PROGRAM SCENES PER OWNER.
- LF3. THIS FIXTURE HAS A LEAD TIME OF 12-15 WEEKS.
- LF4. LOCATE LIGHT AT BACK WALL BELOW CABINET. HARDWIRE LIGHTS. SET CCT SWITCH AT 4000K.
- LF5. USE CHEVRON(S) AS REQUIRED. ORIENT HEADS TO ILLUMINATE EGSS PATH AS APPROPRIATE.

#### LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

1. THE FIXTURE(S) HAS BEEN PROVIDED FOR THE PROPER LIGHTING LEVELS AND FOR ENERGY CODE COMPLIANCE. FOR THE ELECTRICAL CONTRACTOR TO FURNISH A DIFFERENT MANUFACTURER(S) OR FIXTURE(S) CATALOG NUMBER(S), THE ELECTRICAL CONTRACTOR SHALL FIRST SUBMIT LIGHTING AND ENERGY CALCULATIONS WITH DETAILED FIXTURE CUT SHEETS PROVING THE FIXTURE(S) MEET PROJECT REQUIREMENTS USING A LIGHTING SOFTWARE PROGRAM. THE ENGINEER WILL DETERMINE IF A REVIEW IS APPROPRIATE AND IF SO WILL PROVIDE ONE REVIEW ONLY OF THE ELECTRICAL CONTRACTOR'S SUBMITTAL, THE SUBSTITUTED FIXTURE(S) ARE NOT ACCEPTABLE AS DETERMINED BY THE ENGINEER, NO ADDITIONAL REVIEWS WILL BE PROVIDED BY THE ENGINEER AND THE SPECIFIED FIXTURE(S) THAT ARE SHOWN ON THE PLANS SHALL BE SUBMITTED DURING SHOP DRAWING REVIEW. IF THE SUBMITTED FIXTURE(S) SUBSTITUTES MEET PROJECT CONDITIONS THEN CALCULATIONS ARE ALSO REQUIRED FOR ON SITE STATE REVIEW BY THE ELECTRICAL CONTRACTOR, AND AS DETERMINED BY THE ENGINEER.
2. IT IS ALSO THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY THE CATALOG NUMBERS SHOWN ON THE PLANS AND UPDATE SAME BEFORE SUBMITTING SHOP DRAWINGS. ANY CATALOG NUMBER REVISIONS OR SUBSEQUENT FIXTURE COST INCREASES SHALL BE MADE AT NO ADDITIONAL COST TO THE CONTRACT WHETHER IT IS BECAUSE OF A DIFFERENT TYPE OR FIXTURE MOUNTING DUE TO PROJECT CONDITIONS, DISCONTINUED CATALOG NUMBERS OR OTHER SUCH ISSUES. IN THE CASE OF DISCONTINUED CATALOG NUMBERS, THE ELECTRICAL CONTRACTOR SHALL BRING IT TO THE ENGINEER'S ATTENTION BEFORE SHOP DRAWINGS ARE SUBMITTED SO THAT A NEW FIXTURE TYPE CAN BE SELECTED BY THE ENGINEER.

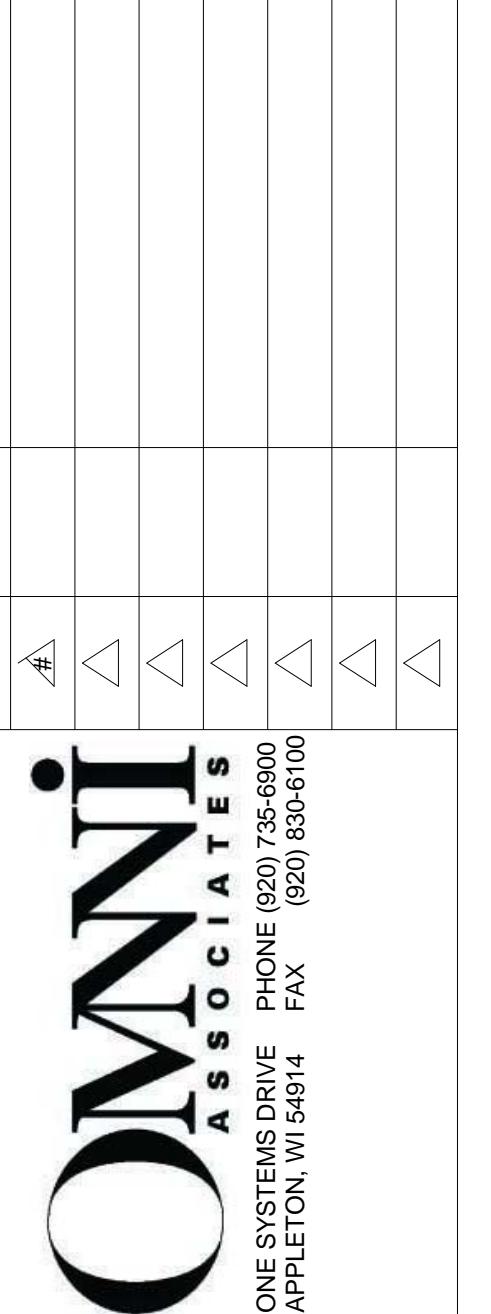
Administrative Office Remodel	Sheet Description
Appleton International Airport	Electrical Schedules

WV6390 Challenger Drive	PROJECT MANAGER: GWS
Appleton	PROJ NO: A1536A19
	DATE: 05/04/2020
	CONSTRUCTION SET
	DRAWING NO.
	E300



# Appleton International Airport W6390 Challenger Drive Appleton

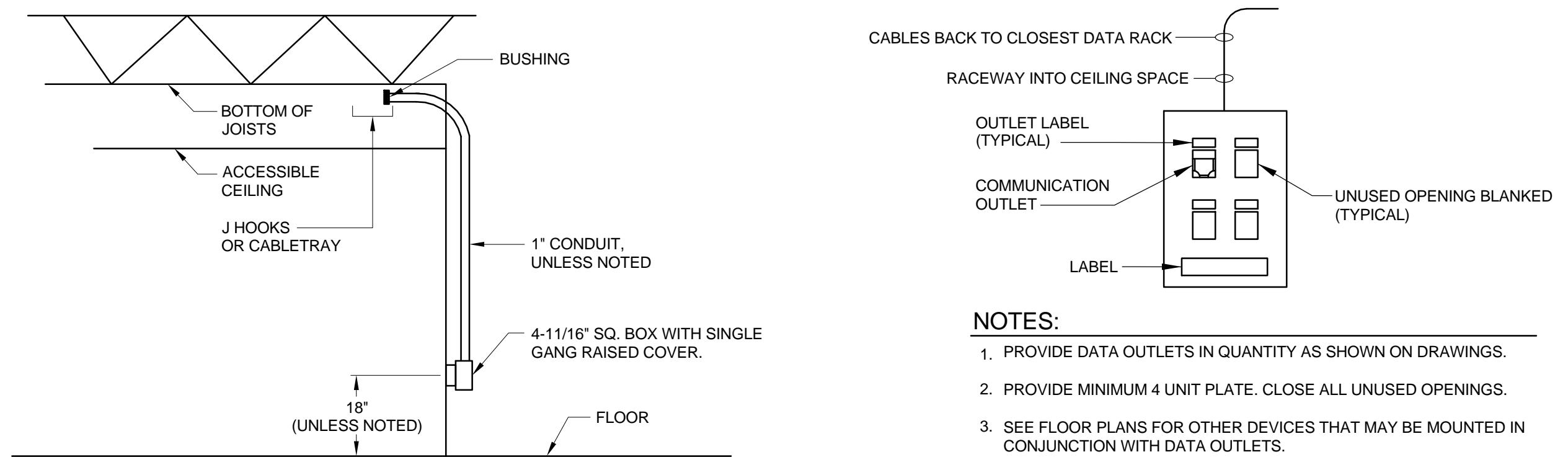
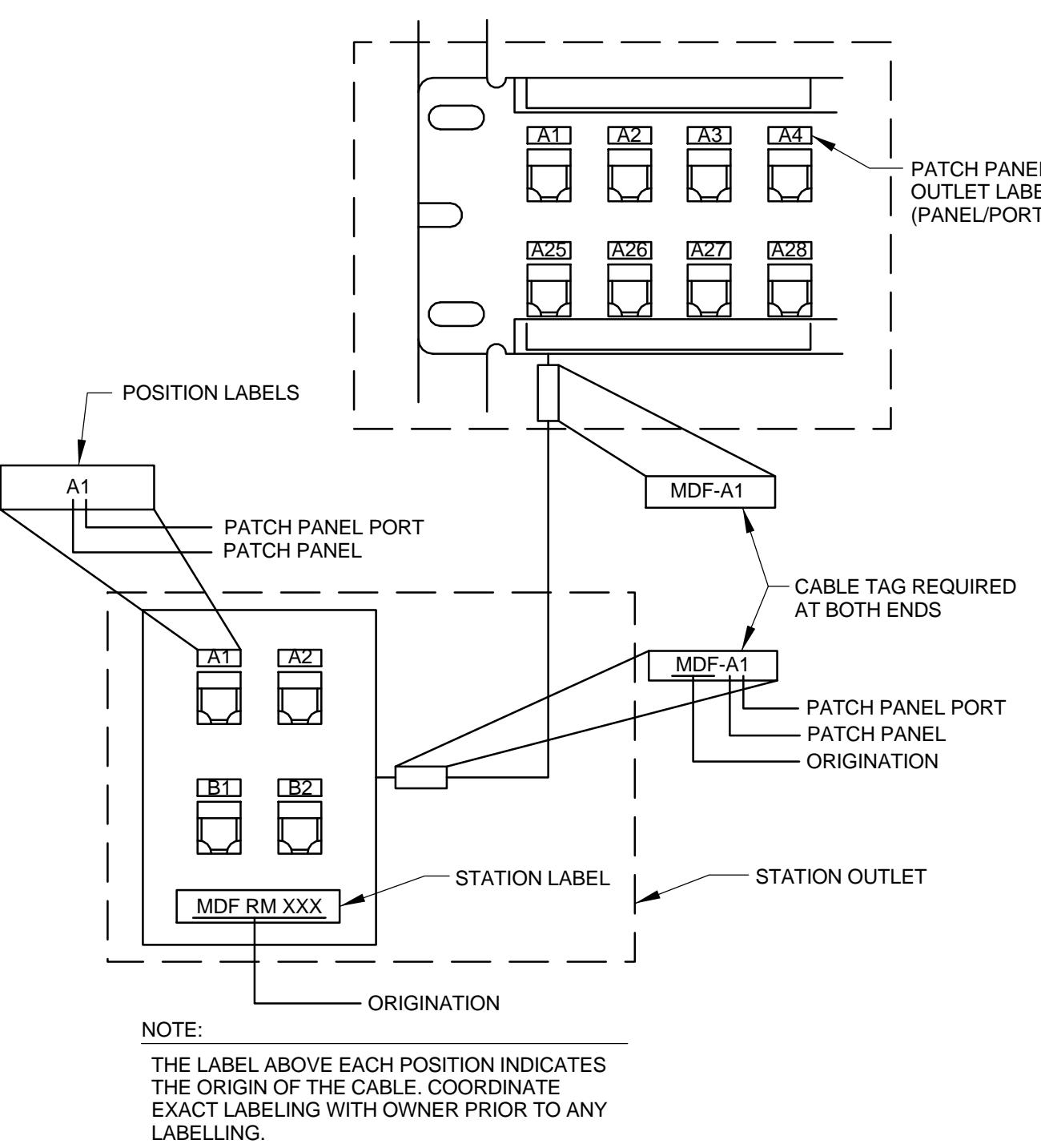
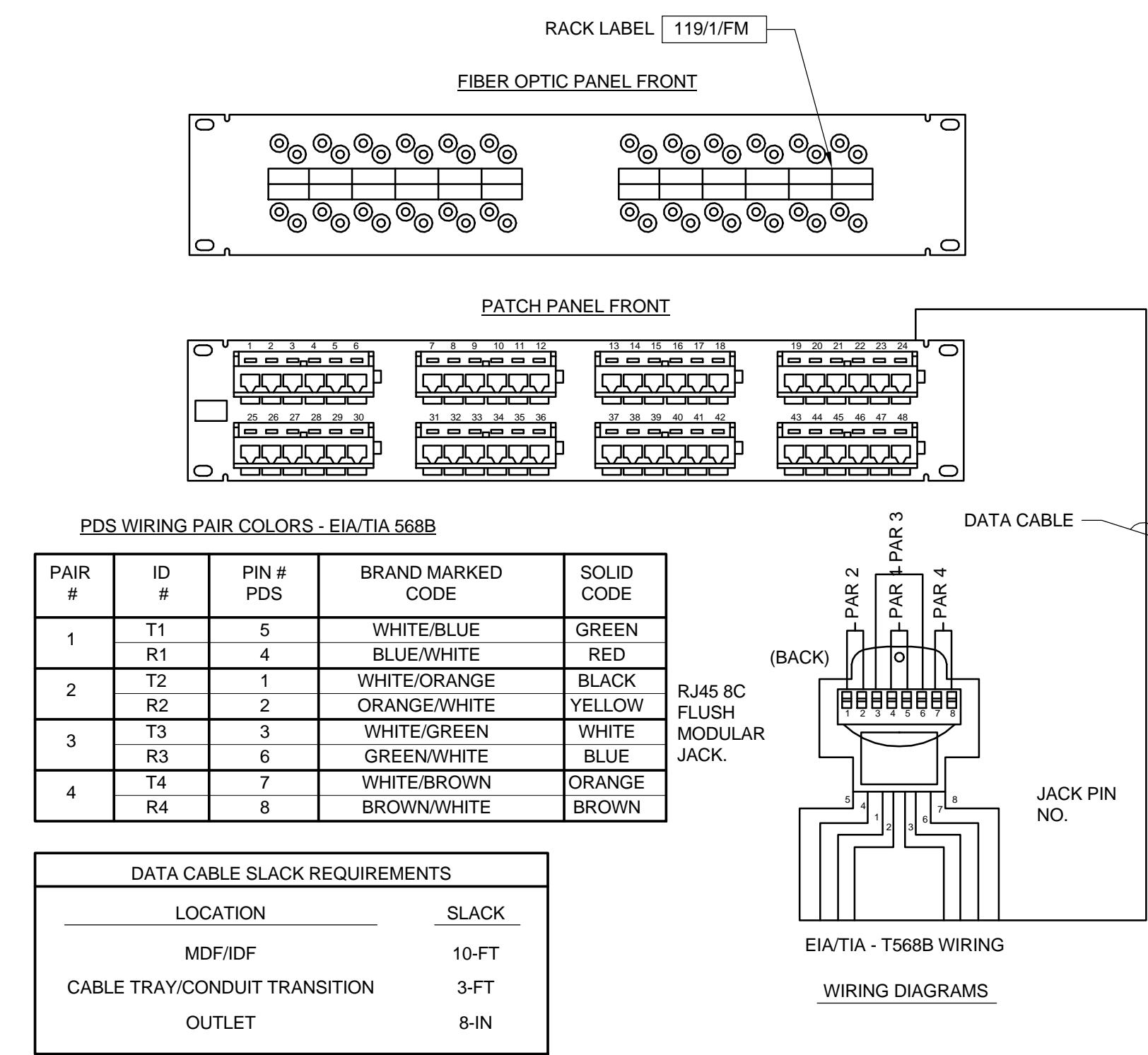
Administrative Office Remodel



Sheet Description

Electrical Details

PROJECT MANAGER: GWS  
PROJ NO: A1536A19  
DATE: 05/04/2020  
CONSTRUCTION SET  
DRAWING NO.  
E400



**NOTES:**

1. PROVIDE DATA OUTLETS IN QUANTITY AS SHOWN ON DRAWINGS.
2. PROVIDE MINIMUM 4 UNIT PLATE. CLOSE ALL UNUSED OPENINGS.
3. SEE FLOOR PLANS FOR OTHER DEVICES THAT MAY BE MOUNTED IN CONJUNCTION WITH DATA OUTLETS.
4. PROVIDE OUTLET LABELING AS SHOWN IN DETAIL.

**TELECOM COPPER WIRING**  
**DETAIL**  
1 N.T.S.  
E400

**TELECOM OUTLET NUMBERING**  
**SCHEME**  
2 N.T.S.  
E400

**TELECOMMUNICATIONS**  
**OUTLET DETAIL**  
3 N.T.S.  
E400

**TYPICAL TELECOM OUTLET**  
**CONFIGURATION**  
4 N.T.S.  
E400

