



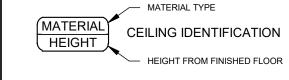
#### UMA RANDALL WELCOME CENTER

AUGUS'	AUGUSTA, MAINE		
Harriman Project No.	21107		
	Proj North		

#### **GENERAL NOTES**

- 1. CONTRACTOR TO COORDINATE
  PROTECTION OF ALL EXISTING CEILING TO
  REMAIN. ANY DAMAGED CEILING SHALL BE
  REPLACED TO MATCH EXISTING.
  2. DIRTT WALL SYSTEM SOWN FOR
- 2. DIRTT WALL SYSTEM SOWN FOR REFERENCE ONLY, N.I.C.
  3. SEE ELEC DRAWINGS FOR FIXTURE

#### SYMBOLS LEGEND



LOCATIONS.

MECHANICAL SUPPLY DIFFUSER

MECHANICAL SUPPLY DIFFUSER

iviechanical retorn diffose

MECHANICAL RETURN TRANSFER

MECHANICAL RADIANT PANEL

LIGHT FIXTURE

LIGHT FIXTURE

LIGHT FIXTURE

O LIGHT FIXTURE

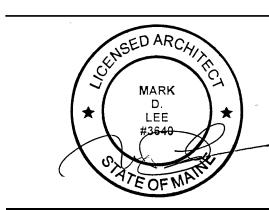
## CONSTRUCTION DOCUMENTS

MAY 14, 2021

Rev Date Revision Description

05-24-2021 ADDENDUM 1

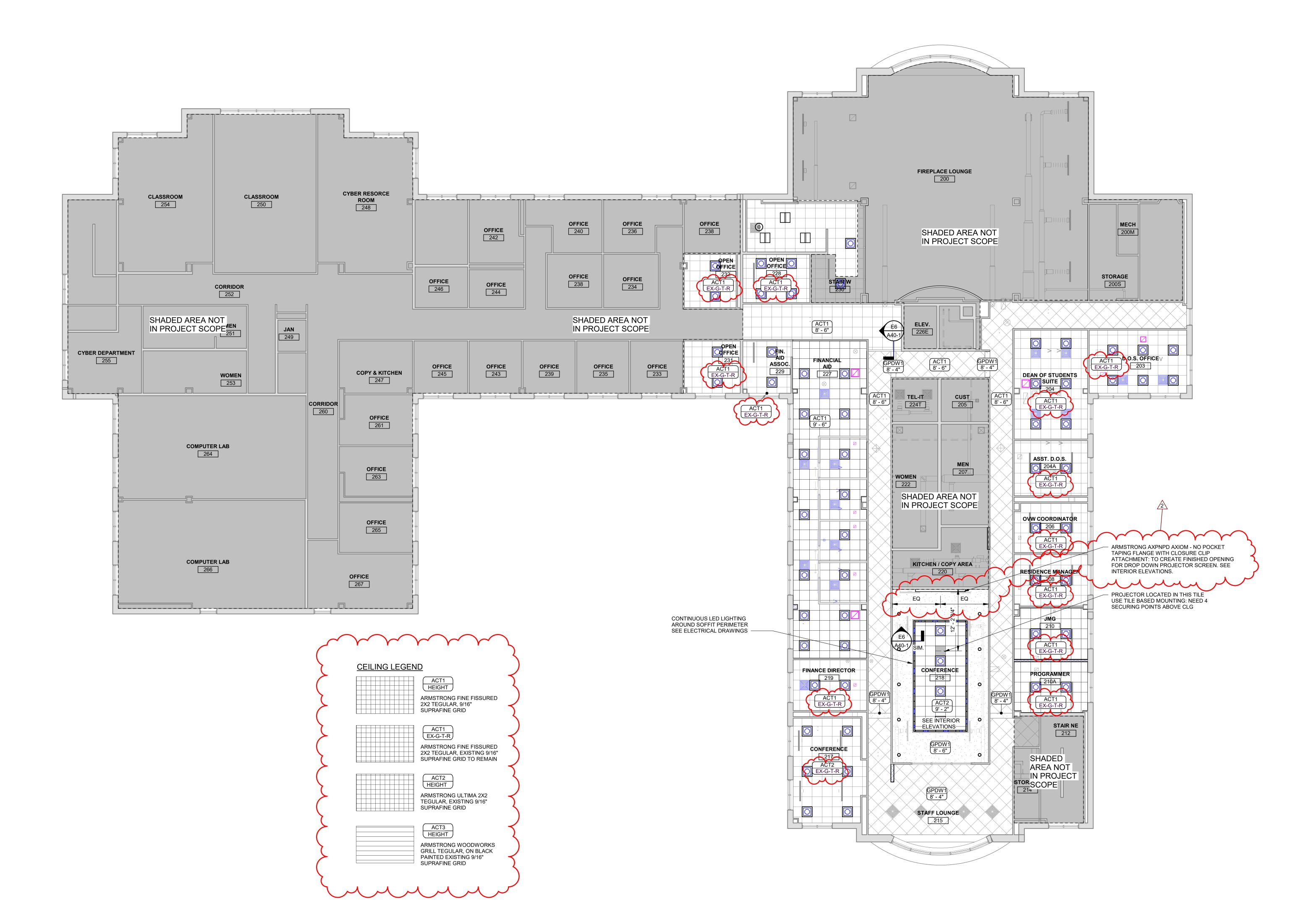
05-27-2021 ADDENDUM 2



0 4' 8' 12' 1/8" = 1'-0"	
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FIRST FLOOR CEILING PLAN

A70-1





### UMA RANDALL WELCOME CENTER

AUGUSTA, MAINE		
Harriman Project No.	21107	
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#### SYMBOLS LEGEND

MATERIAL TYPE

MATERIAL CEILING IDENTIFICATION
HEIGHT FROM FINISHED FLOOR

- MECHANICAL SUPPLY DIFFUSER

MECHANICAL SUPPLY DIFFUSER

MECHANICAL RETURN DIFFUSER

MECHANICAL RADIANT PANEL

LIGHT FIXTURE

LIGHT FIXTURE

LIGHT FIXTURE

LIGHT FIXTURE

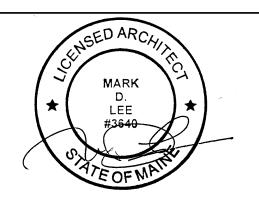
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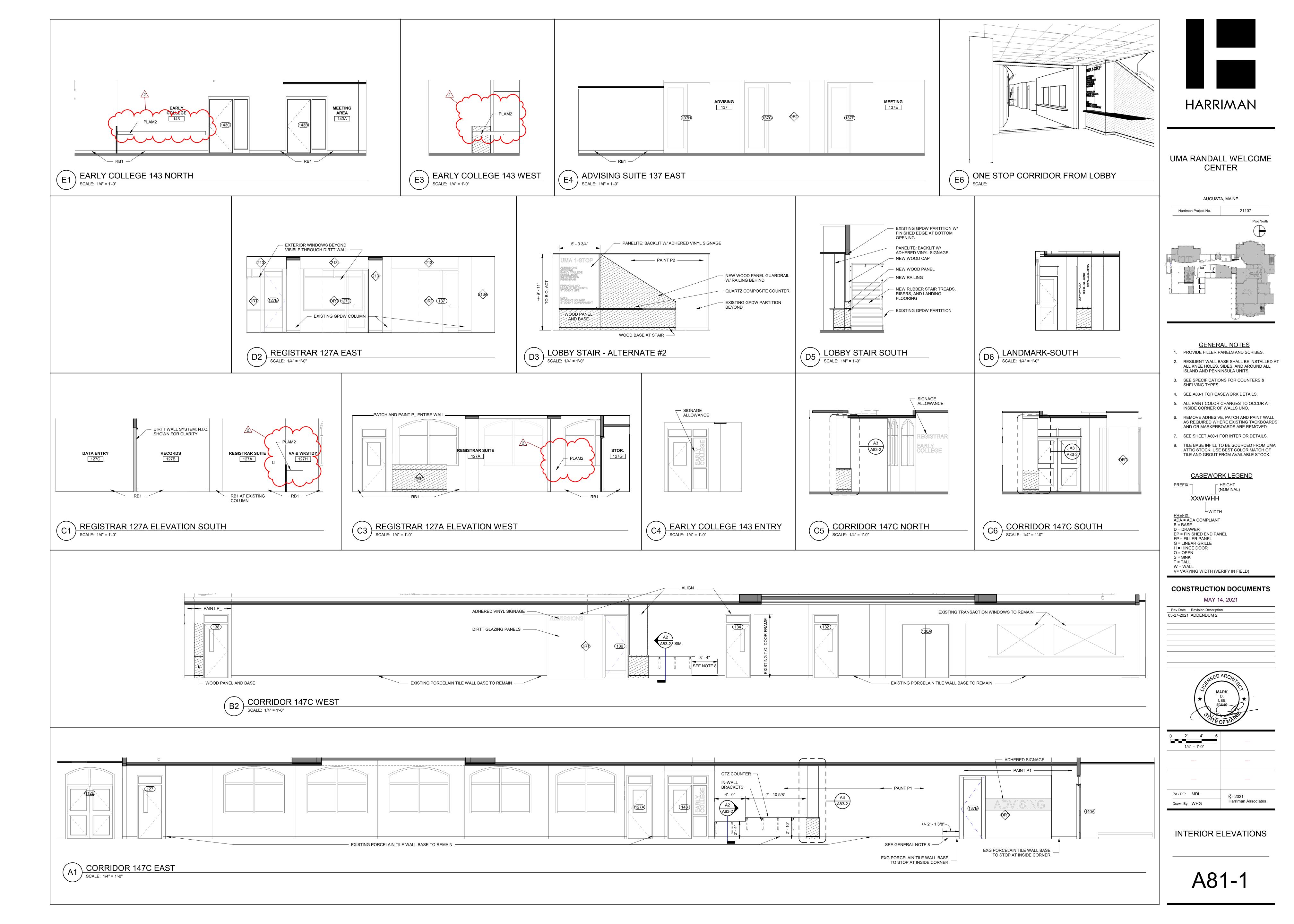
05-27-2021 ADDENDUM 2

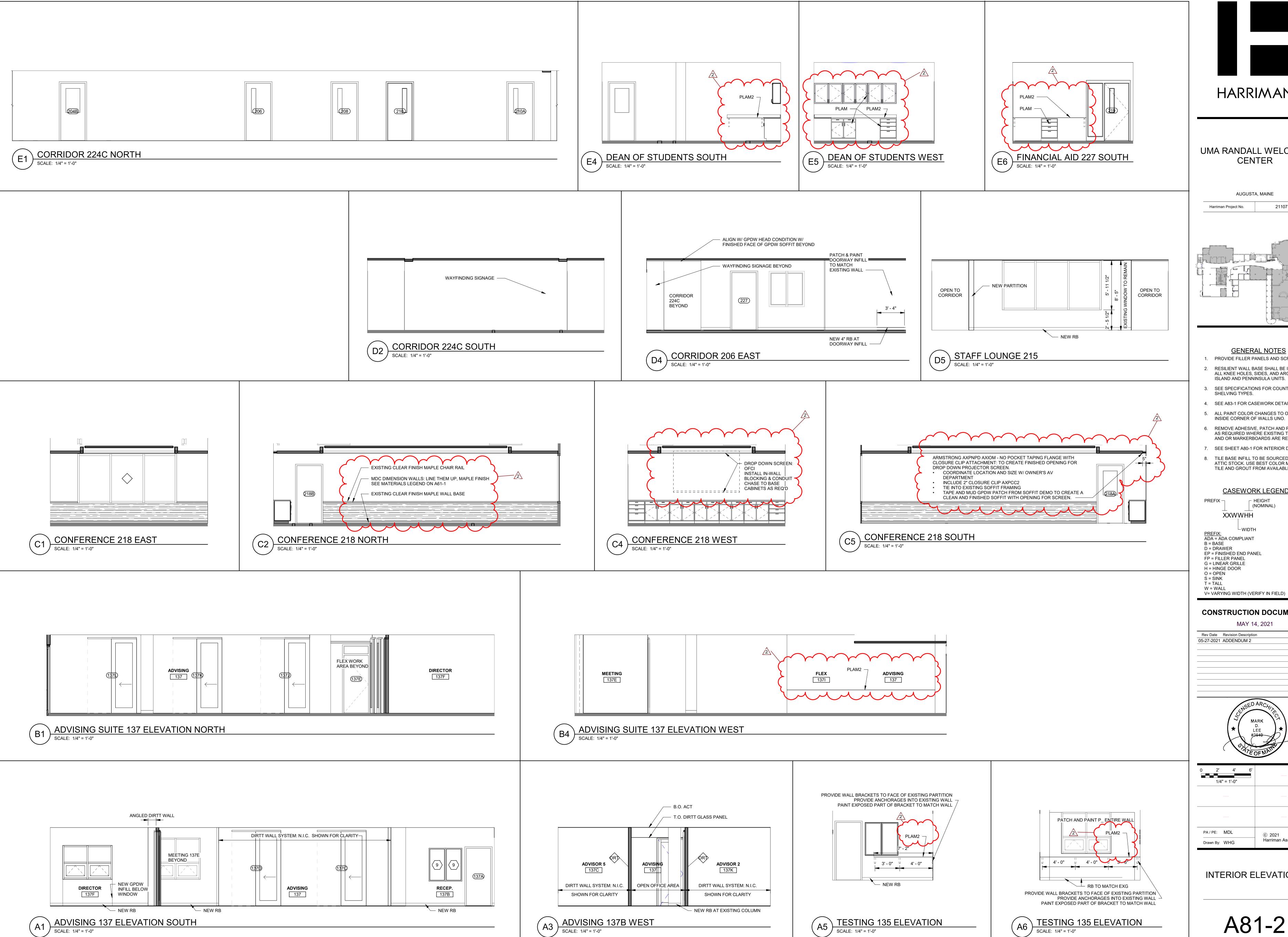


0 4' 8' 12'	months from
1/8" = 1'-0"	
and and	and the same
make Nam	
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SECOND FLOOR CEILING PLAN

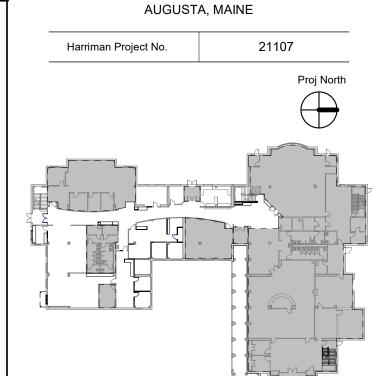
A70-2





HARRIMAN

UMA RANDALL WELCOME CENTER



## **GENERAL NOTES**

- 1. PROVIDE FILLER PANELS AND SCRIBES. RESILIENT WALL BASE SHALL BE INSTALLED AT
- ALL KNEE HOLES, SIDES, AND AROUND ALL ISLAND AND PENNINSULA UNITS.
- 3. SEE SPECIFICATIONS FOR COUNTERS &
- 4. SEE A83-1 FOR CASEWORK DETAILS.
- 5. ALL PAINT COLOR CHANGES TO OCCUR AT
- INSIDE CORNER OF WALLS UNO.
- 6. REMOVE ADHESIVE, PATCH AND PAINT WALL AS REQUIRED WHERE EXISTING TACKBOARDS AND OR MARKERBOARDS ARE REMOVED.
- 7. SEE SHEET A80-1 FOR INTERIOR DETAILS.
- 8. TILE BASE INFILL TO BE SOURCED FROM UMA
- ATTIC STOCK. USE BEST COLOR MATCH OF TILE AND GROUT FROM AVAILABLE STOCK.

**CASEWORK LEGEND** ┌ HEIGHT (NOMINAL)

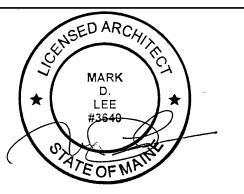
XXWWHH └WIDTH PREFIX: ADA = ADA COMPLIANT

EP = FINISHED END PANEL FP = FILLER PANEL G = LINEAR GRILLE H = HINGE DOOR

## CONSTRUCTION DOCUMENTS

MAY 14, 2021

Rev Date Revision Description 05-27-2021 ADDENDUM 2



1/4" = 1'-0"	
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INTERIOR ELEVATIONS

A81-2

<b>ABBREV</b>	<b>DESCRIPTION</b>	<b>ABBREV</b>	<b>DESCRIPTION</b>
ACV	AUTOMATIC CONTROL VALVE		
AFF	ABOVE FINISHED FLOOR	IN	INCHES
AFG	ABOVE FINISHED GRADE		
ALD	ACOUSTICAL LINED DUCT	LAT	LEAVING AIR TEMPERATURE
AMS	AIRFLOW MEASURING STATION	LPCR	LOW PRESSURE CONDENSATE
APD	AIR PRESSURE DROP		RETURN (LESS THAN 15 PSI)
ATC	AUTOMATIC TEMPERATURE CONTROL	LPS	LOW PRESSURE STEAM(LESS THAN 15 PSI)
		LRA	LOCKED ROTOR AMPS
В	BAROMETRIC DAMPER	LSGV	LOCK & SHIELD GATE VALVE
BD	BACKDRAFT DAMPER	LWT	LEAVING WATER TEMPERATURE
BHP	BRAKE HORSEPOWER		
BPD	BYPASS DAMPER	M	MOTORIZED DAMPER
BTU	BRITISH THERMAL UNITS	MAX	MAXIMUM
		MBH	1000 BRITISH THERMAL UNITS
CBD	COUNTERBALANCED BACKDRAFT DAMPER	MCA MIN	MINIMUM CIRCUIT AMPS MINIMUM
CFM	CUBIC FEET PER MINUTE	MOPD	MAXIMUM OVERCURRENT
CHWR	CHILLED WATER RETURN	MOPD	PROTECTIVE DEVICE
CHWS	CHILLED WATER SUPPLY	MPCR	MEDIUM PRESSURE CONDENSATE
CO	CLEANOUT	WII OIX	RETURN(16-30 PSIG)
CTE	CONNECT TO EXISTING	MPS	MEDIUM PRESSURE STEAM (16-30
CWR	CONDENSER WATER RETURN	Wii C	PSIG)
CWS	CONDENSER WATER SUPPLY		
0110	CONDENCE (WATER COLLET	NA	NOT APPLICABLE
DCW	DOMESTIC COLD WATER	NC	NOISE CRITERIA
DEG.F	DEGREES FAHRENHEIT	NIC	NOT IN CONTRACT
		NO	NORMALLY OPEN
DHW	DOMESTIC HOT WATER	NTS	NOT TO SCALE
DIA	DIAMETER		
DN	DOWN	OA	OUTSIDE AIR
DTR	DUAL TEMPERATURE RETURN	OC	ON CENTER
DTS	DUAL TEMPERATURE SUPPLY	OED	OPEN END DUCT
EAT	ENTERING AIR TEMPERATURE	OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
ESP	EXTERNAL STATIC PRESSURE		
EWT	ENTERING WATER TEMPERATURE	PD	PRESSURE DROP
EXG	EXISTING	PRD	PRESSURE RELIEF DAMPER
EXH	EXHAUST	PRV	PRESSURE REDUCING VALVE
		PSI	POUNDS PER SQUARE INCH
F&T	FLOAT & THERMOSTATIC TRAP	PSIG	POUNDS PER SQUARE INCH GAUGE
F/S	FIRE AND SMOKE COMBINATION DAMPER	RET	RETURN
FC	FLEXIBLE CONNECTION		
FD	FIRE DAMPER	RET	RETURN
FL	FINNED LENGTH OF RADIATION	RL	REFRIGERANT LIQUID
FM	FLOW METER	RLA	RATED LOAD AMPERES
FOR	FUEL OIL RETURN	RPM	REVOLUTIONS PER MINUTE
FOS	FUEL OIL SUPPLY	RS	REFRIGERANT SUCTION
FPF	FINS PER FOOT	_	
FPI	FINS PER/INCH	S	SMOKE DAMPER
FPM	FEET PER MINUTE	SP	STATIC PRESSURE
FT	FEET	SS	STAINLESS STEEL
FT-HD	FEET OF HEAD	SUP	SUPPLY
FT-WG	FEET WATER GAUGE		
FTR	FIN TUBE RADIATOR	TEMP	TEMPERATURE
	THE TOBE TO LOW COM	TT	THERMOSTATIC TRAP
GAL	GALLONS	TYP	TYPICAL
GPM	GALLONS PER MINUTE		
GFIVI	GALLONS FER WING I	V	VOLUME DAMPER
UD	HODGEDOWED	VFD	VARIABLE FREQUENCY DRIVE
HP	HORSEPOWER		
HPCR	HIGH PRESSURE CONDENSATE RETURN (OVER 30 PSIG)	W/	WITH
	HIGH PRESSURE STEAM (OVER	W/O	WITHOUT
HPS	30PSIG)	WC	WATER COLUMN
HRR	HEAT RECOVERY RETURN	WG	WATER GAUGE
HRS	HEAT RECOVERY SUPPLY	WMS	WELDED WIRE MESH SCREEN
HWR	HOT WATER RETURN	WPD	WATER PRESSURE DROP
⊓VVK H\MS	HOT WATER SUPPLY		

ZONE DAMPER

**EXISTING** 

PREFIX OF X

HOT WATER SUPPLY

# PIPING LEGEND

A 10'-0" FL RADIATION I.D. (TYPE A, 10'-0" FINNED LENGTH, BALANCED TO 1.2 GPM) WITHOUT DAMPER

	<u> </u>	SYMBOL	DESCRIPTION
SYMBOL DESCRI	DESCRIPTION	<u> </u>	EXISTING DUCTWORK TO REMAIN
	EXISTING SUPPLY PIPING TO REMAIN	<del></del>	NEW DUCTWORK
		<del>}                                    </del>	nen been en
	EXISTING RETURN PIPING TO REMAIN		ACOUSTICALLY LINED DUCT
	NEW SUPPLY PIPING	AMS —	AIRFLOW MEASURING STATION
	NEW RETURN PIPING	BD₩	BACKDRAFT DAMPER
	ACV 2 - WAY	СВ	COUNTERBALANCED DAMPER
	ACV 3 - WAY	Ø	SPIRAL DUCT DIAMETER
[	CAP - PIPE	$\boxtimes$	DUCT SECTION - SUPPLY/OUTDOOR AIR
	CHECK VALVE		DUCT SECTION - RETURN AIR
KJ	COMBINATION BALANCING, FLOW MEASURING &	$\boxtimes$	DUCT SECTION - EXHAUST AIR
	TIGHT SHUT-OFF VALVE	CC	DUCT TURNING VANES
DPS	DIFFERENTIAL PRESSURE SENSOR	F	FIRE DAMPER (1 1/2 HOUR RATED)
		F/S	FIRE AND SMOKE DAMPER (1 1/2 HOUR RATED)
<i>-</i> U	_	O (3 HR) ──	FIRE DAMPER (3 HOUR RATED)
	ISOLATION VALVE	111111	FLEXIBLE DUCT
<b>─</b>	GLOBE VALVE		LOUVER
$-\!$	INVERTED BUCKET TRAP	M	MOTORIZED DAMPER
	LOCKSHIELD GATE VALVE	PRD	PRESSURE RELIEF DAMPER
—(V)	MANUAL AIR VENT	<b>-√-</b>	RETURN OR EXHAUST AIR
	OS&Y GATE VALVE	S	SMOKE DAMPER
1.		(SD)+	DUCT MOUNTED SMOKE DETECTOR
	PETCOCK FOR GAUGE CONNECTION		STRAINER
<del></del>	PIPE ANCHOR	SPS	STATIC PRESSURE SENSOR
C—	PIPE DOWN		SUPPLY OR OUTSIDE AIR
<u> </u>	PIPE UP	V	VOLUME DAMPER
_=_	PIPE GUIDE		−S (SUPPLY) R (RETURN)
<u></u>	PLUG VALVE		E (EXHAUST) T (TRANSFER) SUPPLY DIFFUSER ( TYPE 2 )
P	PRESSURE GAUGE		-DIFFUSER DESCRIPTION (SEE REG., GRILLES & DIFF SCHEDULE)
	PRESSURE REDUCING VALVE	<u>\$2</u> 4	—QUANTITY
$\triangle$	PRESSURE RELIEF VALVE		-400 CFM EA
	REDUCER - CONCENTRIC		T400 OFIVI EA
	REDUCER - ECCENTRIC		

## CONTROL CLECEND

**DUCTWORK LEGEND** 

<del></del>		CONT	<u> </u>
TAKE - OFF FF	ROM BOTTOM OF PIPE	SYMBOL	DESCRIPTION
— →  TAKE - OFF FF	ROM TOP OF PIPE	$\bigcirc$	HUMIDISTAT
		HS	HUMIDITY SENSOR
THERMOMETE	≣R	TS	TEMPERATURE SENSOR
THERMOMETE	ER WELL	T	THERMOSTAT
		To	THERMOSTAT COOLING
—T— THERMOSTAT	IC TRAP	T"	THERMOSTAT HEATING
— JIII JIMON		Tn	THERMOSTAT - NIGHT
—— —— UNION	LD / TVDE A 4010# FINNED LENG	The	THERMOSTAT - HEATING/COOLING
	I.D. ( TYPE A, 10'-0" FINNED LENG TO 1.2 GPM) WITH DAMPER	ın,	

## **GENERIC LEGEND**

SYMBOL	DESCRIPTION
•	CONNECT NEW TO EXISTING
[]	COMPLETELY REMOVE EQUIPMENT, DUCTWORK, OR PIPING
	EXISTING EQUIPMENT TO REMAIN
	NEW EQUIPMENT

SECTION I.D. (SECTION A SHOWN ON DWG. M10.1)

## **GENERAL NOTES**

 $\lambda$ 

1 VISIT THE BUILDING SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS, AND TO TAKE MEASUREMENTS AS NECESSARY FOR COMPLETION OF THE WORK ASSOCIATED WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.

2 COORDINATE WORK OF MECHANICAL SUBCONTRACTOR WITH WORK OF OTHER

- 3 DUCTWORK, PIPING AND EQUIPMENT ARE INDICATED DIAGRAMMATICALLY. FIELD-VERIFY LOCATIONS.
- 4 PRIOR TO FABRICATING DUCTWORK, COORDINATE WITH OTHER TRADES TO ENSURE THAT THE DUCTWORK CAN BE INSTALLED WITH THE INDICATED SIZES AND LOCATIONS.FIELD-VERIFY EXISTING DUCT SIZES AND CONDITIONS.SUBMIT ANY DISCREPANCIES OR PROPOSED CHANGES.
- 5 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF CEILING DIFFUSERS AND REGISTERS.PROVIDE VOLUME DAMPERS SO THAT EVERY REGISTER, GRILLE AND DIFFUSER (SUPPLY, RETURN, AND EXHAUST) CAN BE INDIVIDUALLY BALANCED.
- 6 VERIFY INSTALLATION OF EXISTING VOLUME DAMPERS AT EACH BRANCH IN EXISTING SUPPLY DUCT. PROVIDE ADDITIONAL VOLUME DAMPERS WHERE REQUIRED.
- 7 DUCT ELBOWS SHALL BE LONG-RADIUS TYPE (THROAT RADIUS EQUAL TO OR GREATER THAN DUCT WIDTH IN THE PLANE OF THE TURN) WHEREVER SPACE ALLOWS. IF SPACE IS NOT ADEQUATE, PROVIDE MITERED ELBOWS WITH TURNING
- 8 PROVIDE 16 GAUGE SINGLE-THICKNESS TURNING VANES AT MITERED DUCT ELBOWS. VANE EDGES (LEADING AND TRAILING) SHALL BE TANGENTIAL TO
- 9 FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 5'-0"
- 10 PAINT DUCTWORK VISIBLE THRU CEILING OPENINGS, DUCT OPENINGS, AND REGISTERS, GRILLES, AND DIFFUSERS WITH BLACK PAINT IN ACCORDANCE WITH DIVISION 09 SECTION "PAINTING."
- 11 MOUNT THERMOSTATS AND TEMPERATURE AND HUMIDITY SENSORS AT 48 INCHES AFF TO TOP OF ITEM. PROVIDE ELECTRICAL WALL BOX ATTACHED TO FRAMING.
- 12 WHERE THERMOSTATS/TEMPERATURE SENSORS ARE LOCATED NEAR LIGHT SWITCHES, INSTALL SO THAT LIGHT SWITCHES ARE NEARER TO THE DOOR JAMBS. THE INTENT IS TO LOCATE THERMOSTATS/ TEMPERATURE SENSORS SO THEY WILL NOT INTERFERE WITH ACCESSIBILITY OF LIGHT SWITCHES.
- 13 PIPING INDICATED IN OUTSIDE WALLS SHALL BE RUN ON THE WARM SIDE OF BUILDING INSULATION AND VAPOR BARRIER. BUILDING INSULATION BEHIND SUCH PIPING SHALL BE CONTINUOUS, WITHOUT JOINTS OR GAPS.
- 14 PIPING SHALL BE CONCEALED EXCEPT IN MECHANICAL ROOMS AND AS INDICATED. WHERE PIPES DROP IN BLOCK WALLS, PROVIDE 1/2" THICK INSULATION MINIMUM.
- 15 SEAL DUCTWORK AND PIPING THRU MECHANICAL ROOM FLOORS AND PARTITIONS, AND THRU FIRE-RATED ASSEMBLIES, WITH FIRESTOP MATERIAL AS SPECIFIED.
- 16 PROVIDE ALL REQUIRED PENETRATIONS IN RATED ASSEMBLIES, INCLUDING BUT LIMITED TO WALLS AND FLOORS WITH A UL APPROVED FIRESTOPPING ASSEMBLY INCLUDING LISTING LABEL OF PENETRATION AFTER PASSING THROUGH UTILITIES.
- 17 PROJECT SCOPE DOES NOT INCLUDE THE ENTIRE RANDALL HALL BUILDING. REFER TO ARCHITECTURAL DRAWINGS A10-1 AND A10-2 AND OTHER ARCHITECTURAL PLAN SHEETS FOR CLARIFICATION ON AREAS NOT INCLUDED IN THIS PROJECT SCOPE.

# **DEMOLITION NOTES**

- 1 DURING DEMOLITION PROPERLY CAP AND PROTECT ALL PIPING & DUCTWORK THAT WILL REMAIN IN
- 2 WHERE EXISTING INSULATION TO REMAIN IS DAMAGED BY THE REQUIREMENTS OF WORK, REPLACE ANY DAMAGED INSULATION IN KIND
- 3 MECHANICAL CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR DISTRIBUTION OF RESPONSIBILITY AMONGST CONTRACTORS FOR SPECIFIC PORTIONS OF CUTTING AND PATCHING WORK. PLUMBING CONTRACTOR SHALL COORDINATE ALL CUTTING AND PATCHING WORK WITH ALL OTHER CONTRACTORS INVOLVED AS DEFINED IN THE SPECIFICATIONS
- 4 LOCATION OF EXISTING PIPING & DUCTWORK AS SHOWN ON DRAWINGS IS APPROXIMATE
- 5 COMPLETELY REMOVE ALL EQUIPMENT AS INDICATED & OR MISCELLANEOUS ARTICLES IN THEIR ENTIRETY INCLUDING AUXILLARY EQUIPMENT, PIPING, WIRING & CONDUIT
- 6 INCLUDE ALL DEMOLITION OF SYSTEMS AND COMPONENTS WHERE SYSTEMS SHALL BE REPLACED BY NEW WORK. REFER TO THE DRAWINGS & SPECIFICATIONS FOR SCOPE OF NEW & RECONNECTED WORK. THE INTENT OF THIS REQUIREMENT IS TO HAVE THE CONTRACTOR DISCONNECT, DEMOLISH & REMOVE ALL EXPOSED & CONCEALED WORK WHERE BEING REPLACED OR CONNECTED TO THE PROPOSED LAYOUTS
- 7 COORDINATE ELECTRICAL POWER DISCONNECTION PRIOR TO DEMOLITION WITH ELECTRICAL CONTRACTOR
- 8 ALL PIPING & DUCTWORK TO REMAIN SHALL HAVE ENDS TERMINATED IN A NEAT MANNER READY FOR CONNECTION OF NEW WORK. ALL EXPOSED ENDS OF PIPING SHALL BE CAPPED
- 9 NO DEAD LEGS LONGER THAN 12" SHALL BE LEFT ON ANY PIPING UPON COMPLETION OF JOB
- 10 EXISTING PIPING NOT TO BE REUSED, NOT SUPPLYING ANY EQUIPMENT AND NOT SPECIFICALLY NOTED OR SHOWN ON DRAWINGS TO BE ABANDONED, SHALL BE COMPLETELY REMOVED
- 11 CONTRACTOR SHALL CLEAN UP. REMOVE AND DISPOSE OF ALL DEBRIS AND DISCARDED ITEMS UPON COMPLETION OF CONSTRUCTION TO BE READY FOR A NEW OCCUPANCY CONDITION
- 12 DEMOLISH & COMPLETLY REMOVE EXISTING CONDITIONS DESIGNATED BY A HEAVY DASHED LINE UNLESS NOTED OTHERWISE. REFER TO LEGEND AND DEMOLITION PLANS FOR SCOPE OF WORK

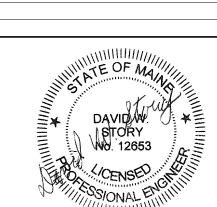


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> LEGEND & GENERAL NOTES