



U.S. COAST GUARD
CIVIL ENGINEERING UNIT
JUNEAU



522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbalott.com



Engineering, Inc.

MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS
670 West Fireweed Lane, Suite 200
Anchorage, AK 99503
Phone (907) 276-0521
Corporate No.: AECC542



ENGINEERS, INC.
9360 Glacier Highway, Ste. 100
JUNEAU, ALASKA 99801
PHONE (907) 586-2093
FAX (907) 586-2099
PND Project No.: 202093
C.A.N: AECC250

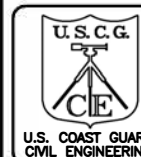


EHS ALASKA
INCORPORATED

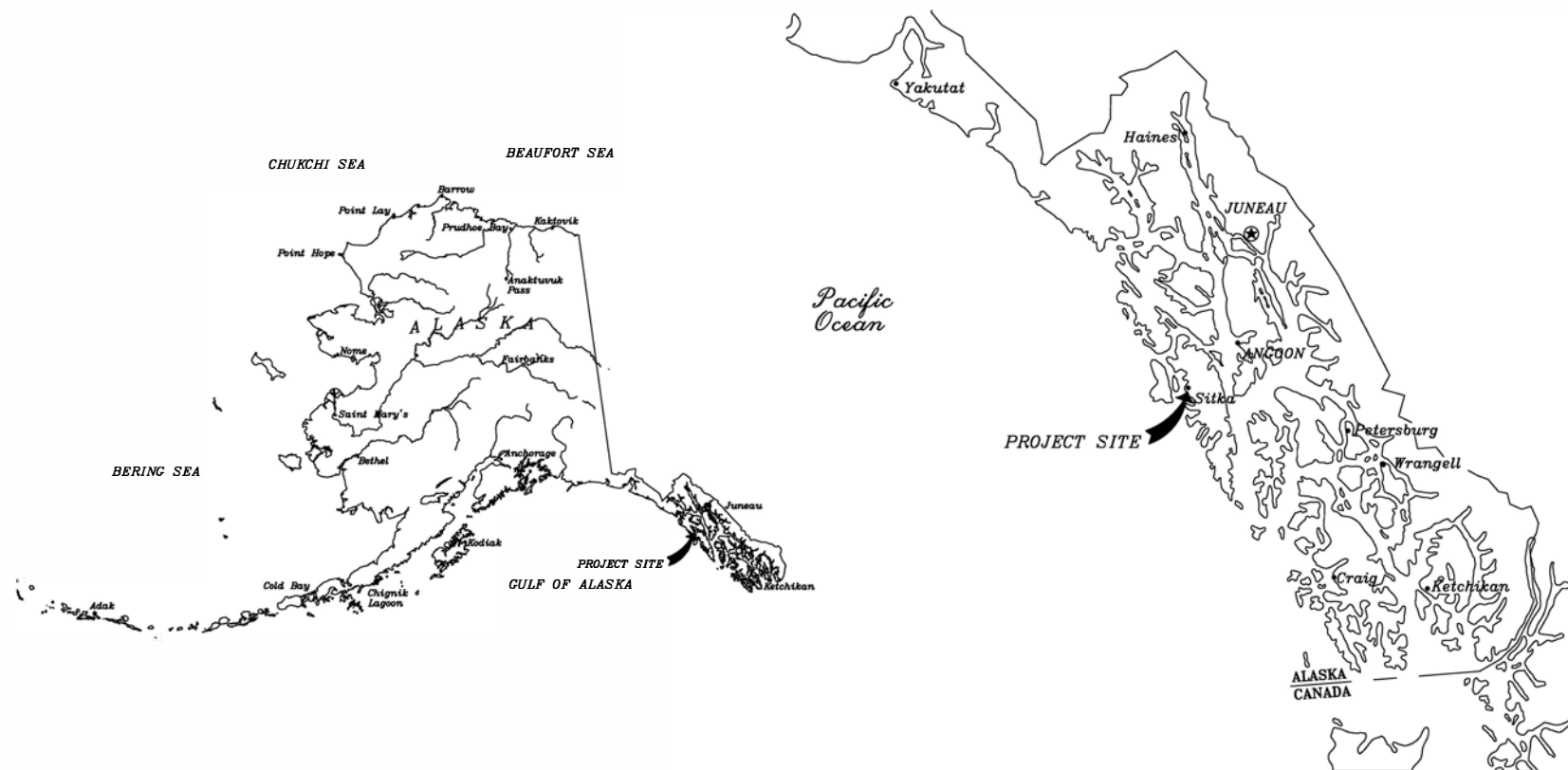
ENGINEERING, HEALTH & SAFETY CONSULTANTS
11901 Business Blvd, Suite 208, Eagle River, AK 99577-7701
PH: 907-694-1383 FAX: 907-694-1382



4975 CASTLE COURT
ANCHORAGE, AK 99508
PH. (907) 306-8994



USCG AIR STATION SITKA SITKA, ALASKA REPAIR HANGAR FOR CrVI MGMT



VICINITY MAP
SCALE: NTS

LOCATION MAP
SCALE: NTS

DRAWING INDEX

SHEET ID	SHEET NO.	SHEET TITLE
01	G-001	COVER SHEET
02	H-001	GENERAL AND SHEET NOTES
03	H-101	PARTIAL FLOOR PLAN
04	S-001	GENERAL NOTES
05	S-103	PLAN AND DETAILS
06	A-001	SCHEDULES
07	A-101	OVERALL 1ST FLOOR PLAN
08	A-102	OVERALL 2ND FLOOR PLAN
09	A-103	OVERALL ROOF PLAN
10	AD401	DEMO 1ST FLOOR PLAN
11	AD402	DEMO 2ND FLOOR PLAN
12	AD403	DEMO ROOF PLAN
13	A-301	BUILDING SECTIONS
14	A-401	1ST FLOOR PLAN
15	A-401A	ENLARGED PLAN @ DIRTY RM
16	A-402	2ND FLOOR PLAN
17	A-403	ROOF PLAN
18	A-501	DETAILS
19	A-701	REFLECTED CEILING PLAN
20	M-001	MECHANICAL LEGENDS
21	MD-101	PLUMB & FIRE DEMO PLAN
22	MD-102	HEATING DEMOLITION PLAN
23	MD-103	1ST FLR VENT DEMO PLAN
24	MD-104	2ND FLR VENT DEMO PLAN
25	M-101	PLUMB & FIRE PLAN
26	M-102	HEATING PLAN
27	M-103	1ST FLOOR VENT PLAN
28	M-104	2ND FLOOR&ROOF VENT PLAN
29	M-301	SECTIONS
30	M-302	SECTIONS
31	M-501	DETAILS
32	M-502	DETAILS
33	M-601	CONTROL DIAGRAMS
34	M-602	SEQUENCE OF OPERATIONS
35	M-603	MECHANICAL SCHEDULES
36	ED-101	DEMOLITION PLAN
37	E-001	LEGEND & FIXTURE SCHDL
38	E-101	REMODEL PLAN
39	E-102	HAZARDOUS BOUNDARIES
40	E-601	ONE- LINE DIAGRAMS

BRIAN J. GOETTLER 26 JUN 2023
APPROVING OFFICER DATE

BRIAN J. GOETTLER
TECHNICAL DIRECTOR

LAURA W. KELLY
BRANCH CHIEF

REPAIR HANGAR FOR CrVI MGMT
USCG AIR STATION SITKA
SITKA

ALASKA
ARCHITECTURAL
COVER SHEET

SHEET ID

G-001

A/E COMPANY:
JENSEN YORBA WALL, INC.
JUNEAU, ALASKA
(907)586-1070

A/E PROJECT NO.:
20055

CONSULTING A/E:
N/A

CIVIL ENGINEERING UNIT JUNEAU
709 W. 9TH ST. RM 817
JUNEAU, AK 99801

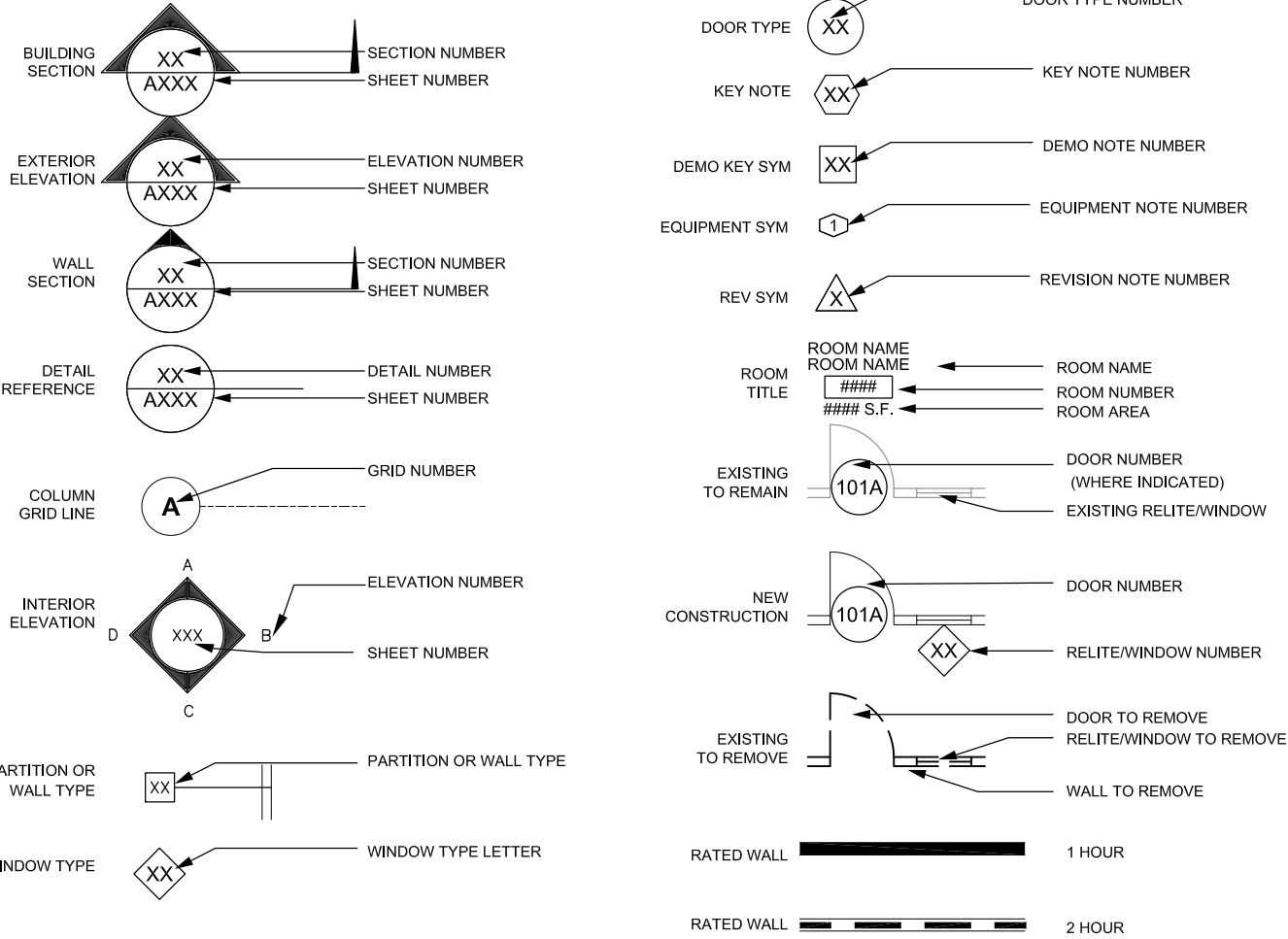
PROJECT ENGINEER:
SMITH, JENNIFER L.

DESIGNED BY:
JENSEN, WAYNE

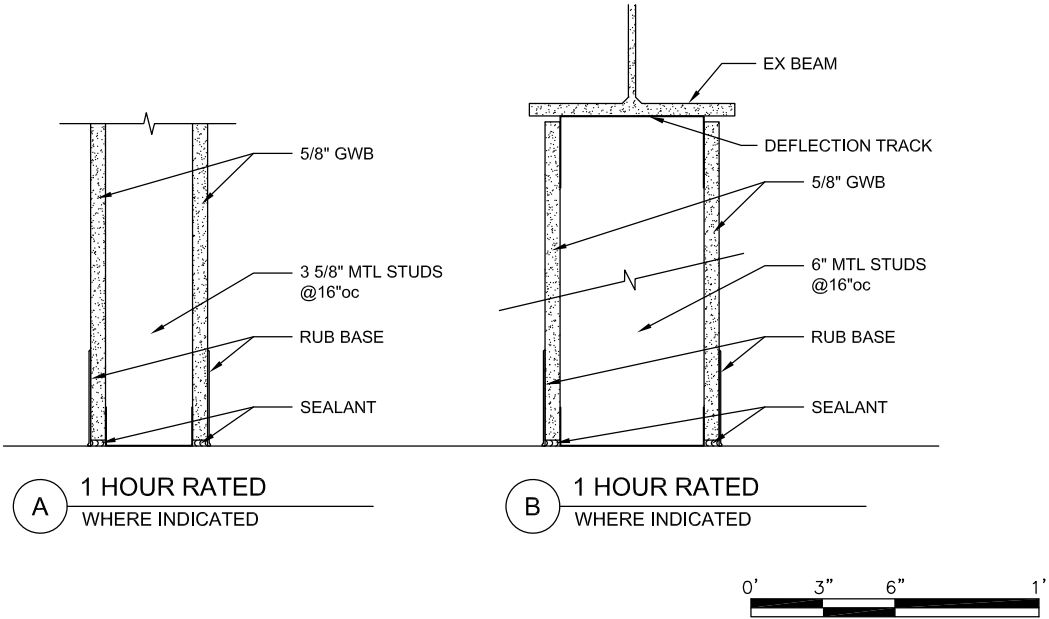
DRAWN BY: WOOD, BENJAMIN		CHECKED BY: JENSEN, WAYNE
USCG PROJECT NO. 10925308		USCG DRAWING NO. 10925308G-001
USCG FILENAME 10925308G-001.dwg		SHEET 01 OF 40

</

SYMBOLS



PARTITION SCHEDULE

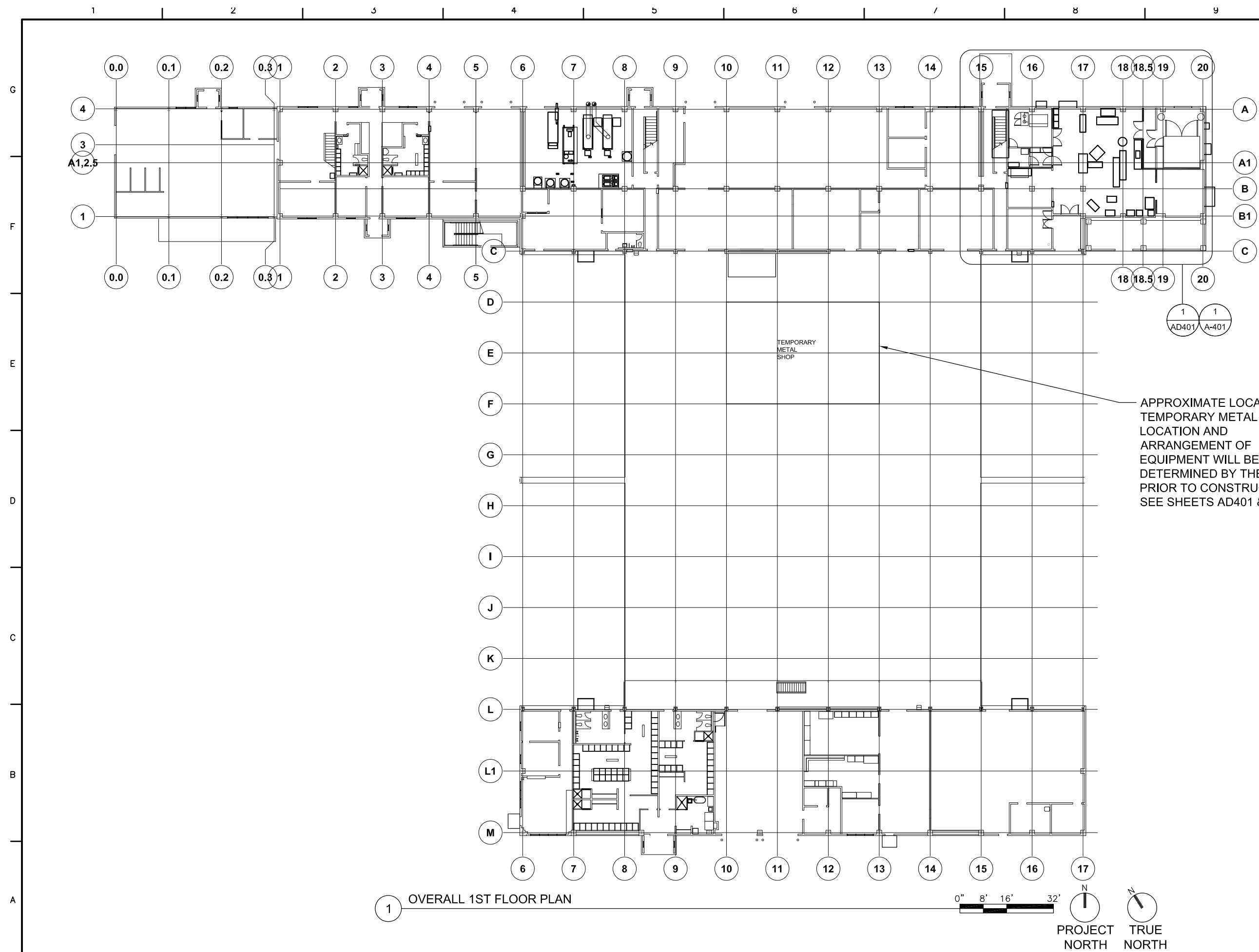


100% SUBMITTAL	NOV 2022	DATE
MARK DESCRIPTION	SCALE: AS SHOWN	PLOTTING SCALE: 1:1

A/E COMPANY:	JENSEN YORBA WALL, INC.
JUNEAU, ALASKA	(907)586-1070
A/E PROJECT NO.:	20055
CONSULTING A/E:	N/A
DRAWN BY:	WOOD, BENJAMIN
CHECKED BY:	JENSEN, WAYNE
DESIGNED BY:	JENSEN, WAYNE
EDITED BY:	WOOD, BENJAMIN
CIVIL ENGINEERING UNIT	JUNEAU, AK 99801
709 WEST 9TH ST., RM. 817	
USCG PROJECT NO.	10925308
USCG DRAWING NO.	10925308A-001
USCG FILENAME	10925308A-001dwg
SHEET 06	OF 40

REPAIR HANGAR FOR Civi MGMT	ALASKA
USCG AIR STATION SITKA	ARCHITECTURAL
SITKA	SCHEDULES

SHEET ID
A-001



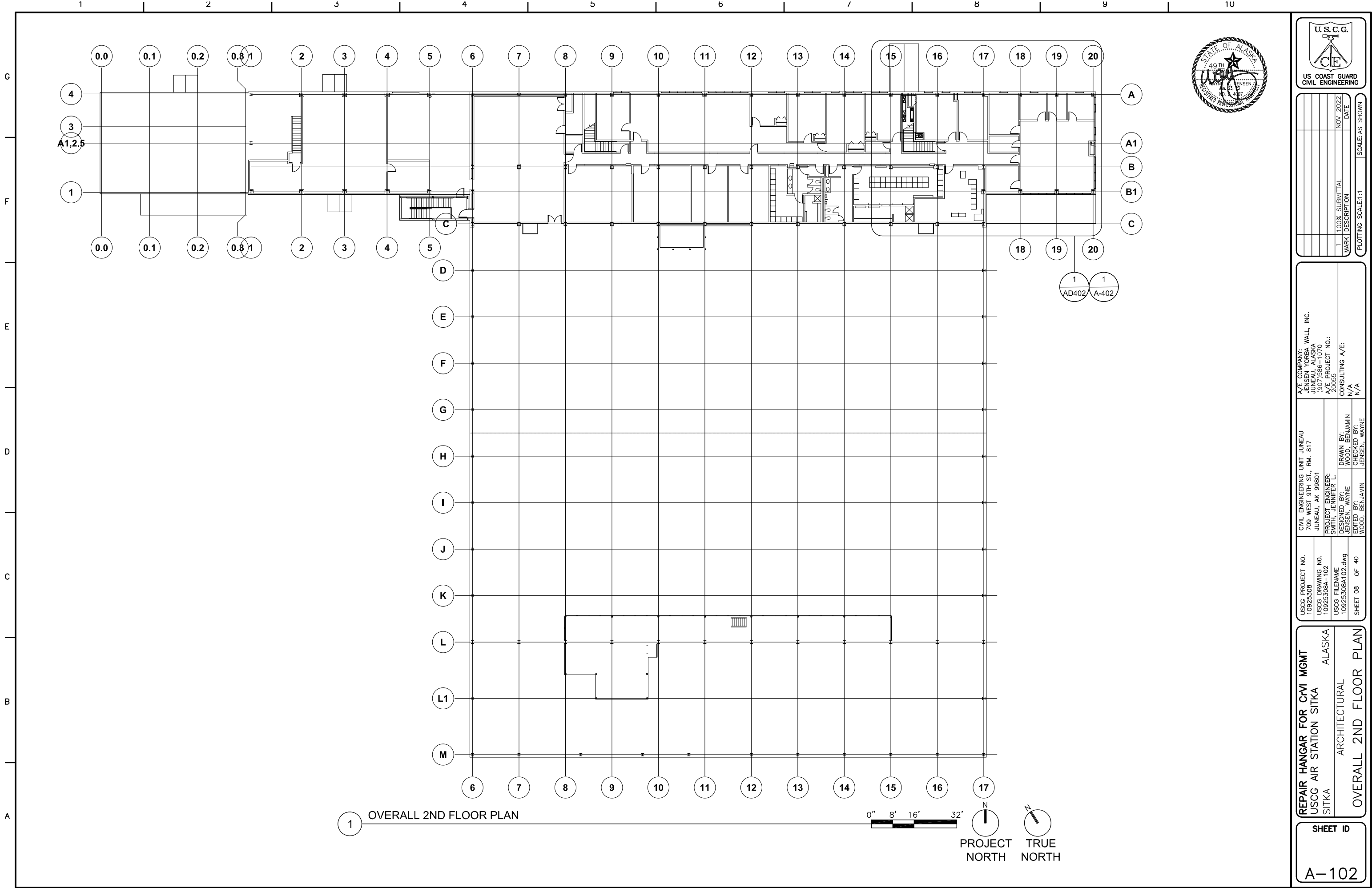
1	100% SUBMITTAL	NOV 2022
MARK	DESCRIPTION	DATE
PLOTTING SCALE: 1:1		
SCALE: AS SHOWN		

USCG PROJECT NO. 10925308A	USCG DRAWING NO. 10925308A-101	USCG FILENAME 10925308A-101.dwg	DESIGNED BY: JENSEN, WAYNE	DRAWN BY: WOOD, BENJAMIN	CONSULTING A/E: N/A	JENSEN FORBA WALL, INC. JUNEAU, ALASKA (907)586-1070 A/E PROJECT NO.: 220055
			EDITED BY: JENSEN, WAYNE	CHECKED BY: JENSEN, WAYNE	N/A	

REPAIR HANGAR FOR CMI MGMI	ALASKA
USCG AIR STATION SITKA	ALASKA
SITKA	ALASKA
ARCHITECTURAL	ALASKA
OVERALL 1ST FLOOR PLAN	ALASKA

SHEET ID

A-101

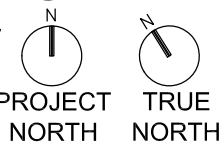


100% SUBMITTAL	NOV 2022
MARK DESCRIPTION	DATE
100% SUBMITTAL	NOV 2022
MARK DESCRIPTION	DATE

USCG PROJECT NO. 10925308	CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801	A/E COMPANY: JENSEN YORBA WALL, INC. JUNEAU, ALASKA (907)586-1070
USCG DRAWING NO. 10925308A-102	PROJECT ENGINEER: SMITH, JENNIFER L.	A/E PROJECT NO.: 20055
USCG FILENAME 10925308A102.dwg	DESIGNED BY: JENSEN, WAYNE	CONSULTING A/E: N/A
SHEET 08 OF 40	DRAWN BY: WOOD, BENJAMIN	CHECKED BY: JENSEN, WAYNE

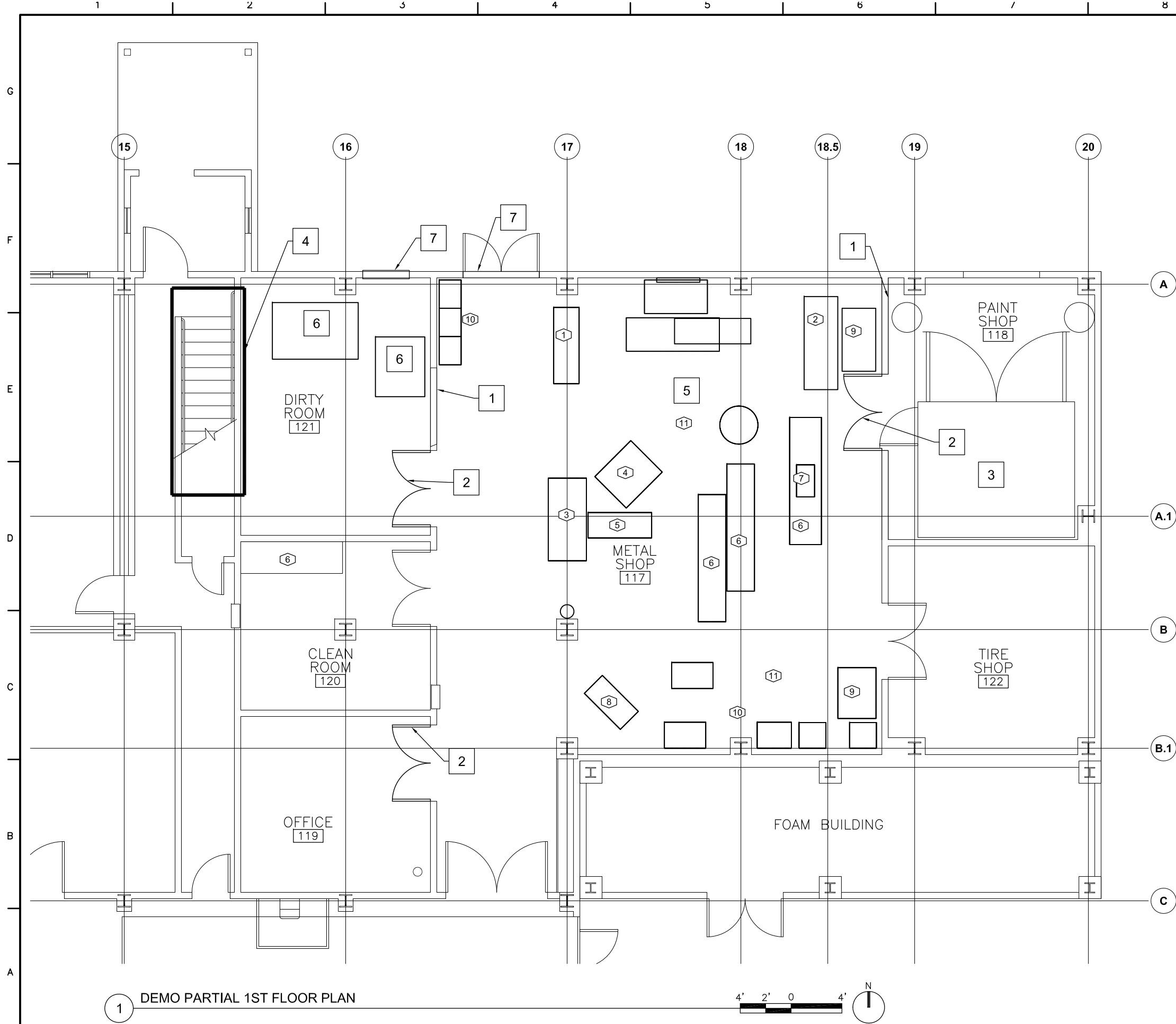
REPAIR HANGAR FOR CIVI MGMT	ALASKA
USCG AIR STATION SITKA	SITKA
ARCHITECTURAL	OVERALL 2ND FLOOR PLAN

SHEET ID
A-102

[illegible][illegible]

SITKA	ALASKA
ARCHITECTURAL	
OVERALL ROOF PLAN	

SHEET ID
A-103



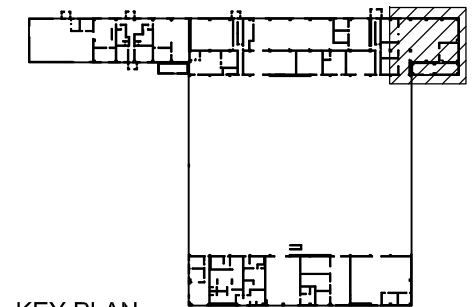
1 DEMO PARTIAL 1ST FLOOR PLAN

KEYNOTE LEGEND

- 1 REMOVE EXISTING WALL AS REQUIRED FOR DOORS & MECH DEVICES
- 2 REMOVE EXISTING DOOR AND FRAME
- 3 EXISTING PAINT BOOTH TO REMAIN
- 4 REMOVE WALL AND CEILING FOR NEW DUCTS AS REQUIRED
- 5 RELOCATE EXISTING EQUIP TO TEMP LOCATION ON HANGAR DECK UNLESS NOTED OTHERWISE. DURING CONSTRUCTION, PROTECT EXISTING EQUIP TO REMAIN. REINSTALL EQUIP AFTER CONSTRUCTION
- 6 REMOVE EXISTING DOWN DRAFT TABLES AND ASSOCIATED COMPONENTS
- 7 REMOVE WALL FOR HOOD -SEE MECH

EXISTING EQUIPMENT

- 1 BREAK TO REMAIN
- 2 SHEAR 5
- 3 BAND SAW 5
- 4 DRILL PRESS 5 5
- 5 SANDER 5 5
- 6 TABLE 5
- 7 BREAK 5
- 8 PRESS 5
- 9 METAL SCRAPS CART 5
- 10 CABINETS 5
- 11 MISCELLANEOUS EQUIP NOT SHOWN OR LABELED 5



KEY PLAN

NOT TO SCALE

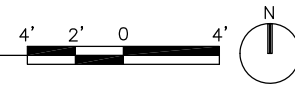


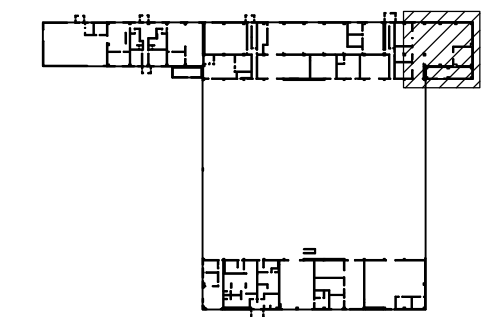
MARK	DESCRIPTION	DATE	SCALE: AS SHOWN
1	100% SUBMITTAL	NOV 2022	

USCG PROJECT NO. 1092530B	CIVIL ENGINEERING UNIT JUNEAU, AK 99801	A/E COMPANY: JENSEN YORBA WALL, INC. JUNEAU, ALASKA (907)586-1070
USCG DRAWING NO. 1092530B-AD401	PROJECT ENGINEER: SMITH, JENNIFER L.	A/E PROJECT NO.: 20055
USCG FILENAME 1092530B-AD401.dwg	DESIGNED BY: JENSEN, WAYNE	CONSULTING A/E: N/A
SHEET 10 OF 40	DRAWN BY: WOOD, BENJAMIN	CHECKED BY: JENSEN, WAYNE

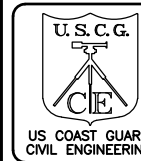
REPAIR HANGAR FOR CMI MGMT	ALASKA
USCG AIR STATION SITKA	ARCHITECTURAL
SITKA	DEMO 1ST FLOOR PLAN

SHEET ID
AD401





NOT TO SCALE



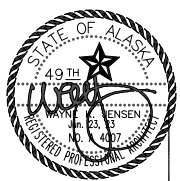
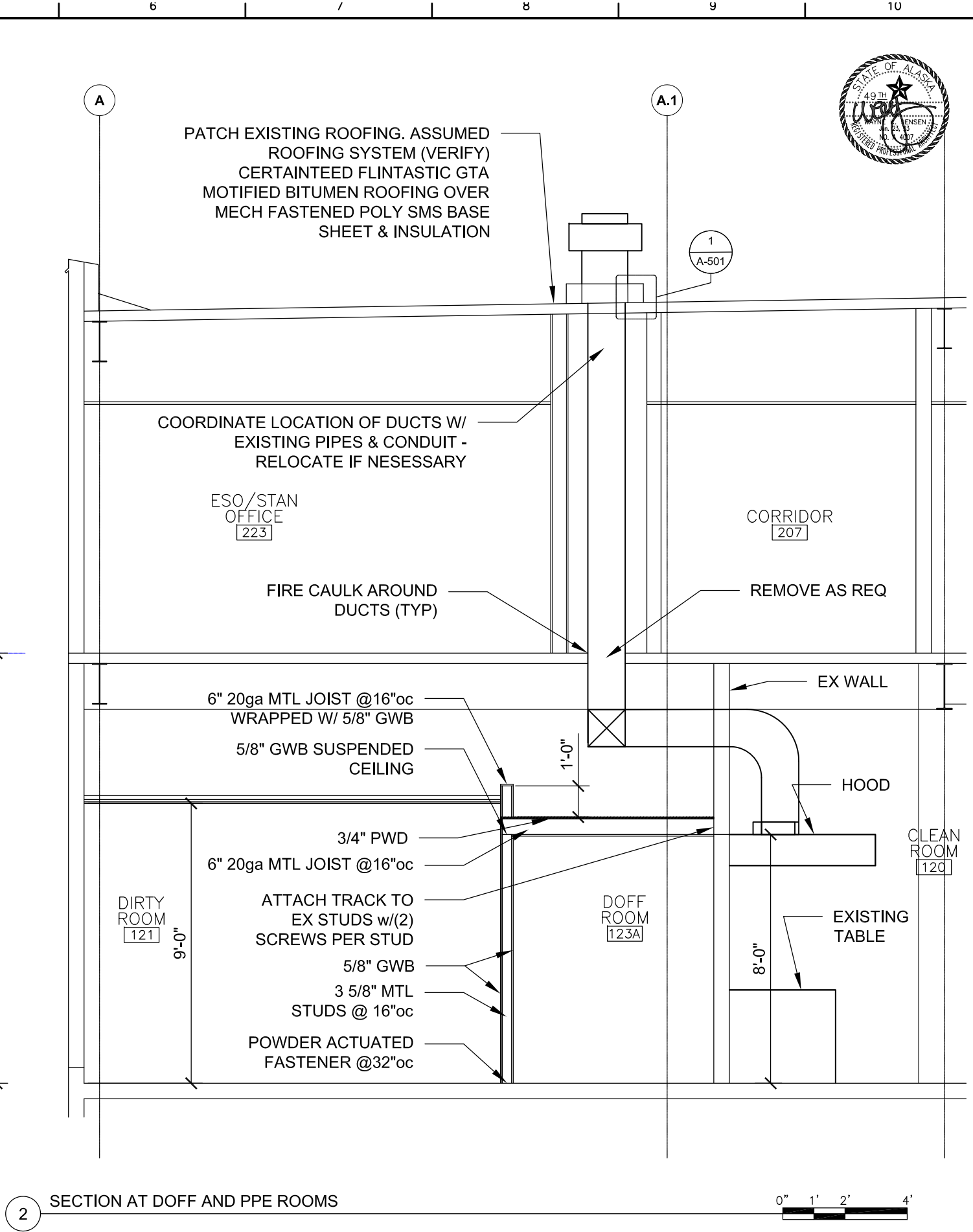
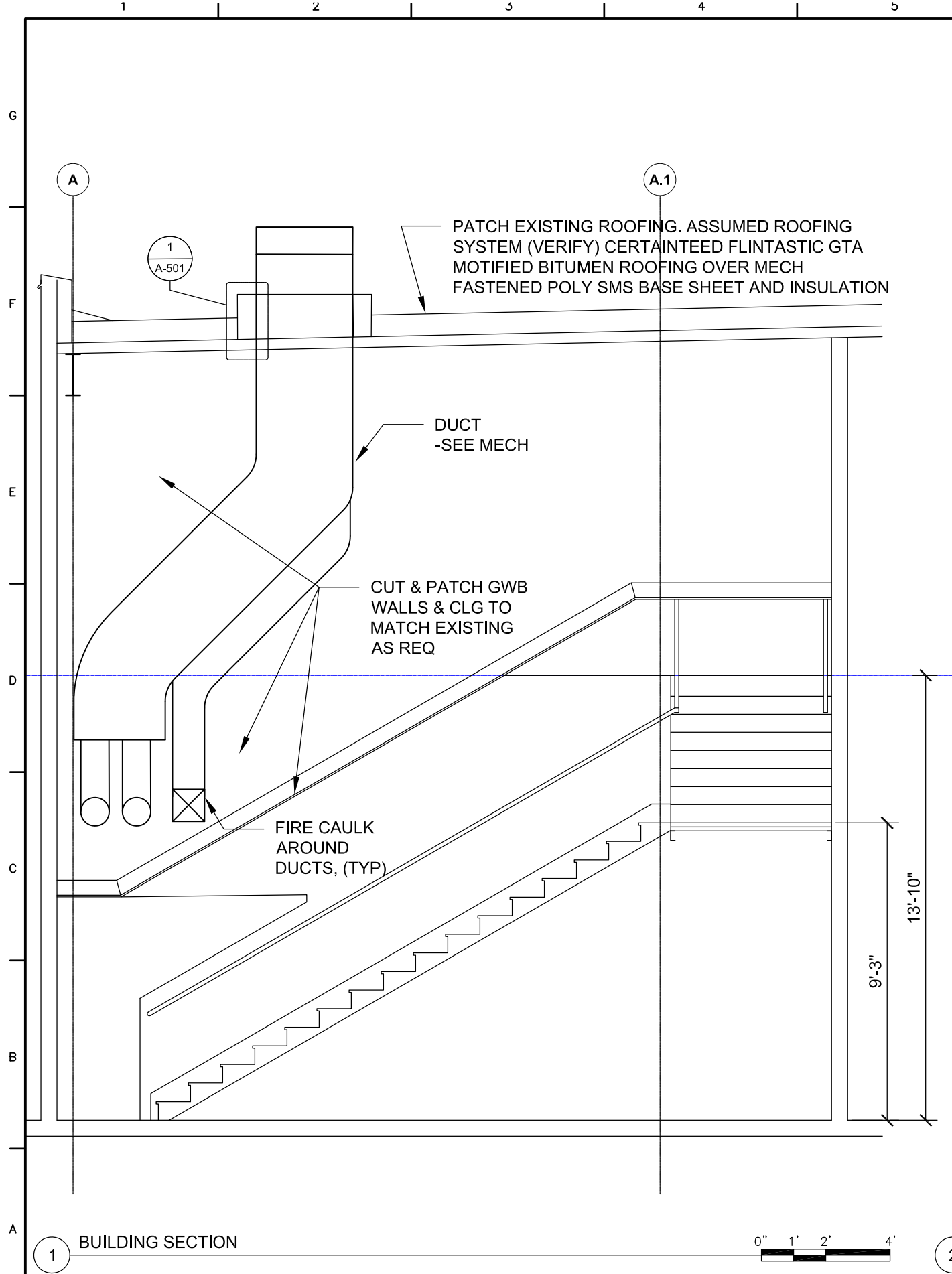
1	100% SUBMITTAL	NOV 2022
MARK:	DESCRIPTION	DATE

USCG PROJECT NO.	CIVIL ENGINEERING UNIT	JUNEAU	A/E COMPANY:	WALL, INC.
10925308	709 WEST 9TH ST.,	RM. 817	JUNEN YORSEKA	
USCG DRAWING NO.	JUNEAU, AK	99801	JUNEN YORSEKA	
10925308AD403	PROJECT ENGINEER:		(907)5566-1070	
USCG FILENAME	SMITH, JENNIFER L.		A/E PROJECT NO.:	
10925308AD403.dwg	DESIGNED BY:		20055	
	JENSEN, WAYNE		CONSULTING A/E:	N/A

REPAIR HANGAR FOR C-171 MGMT USCG AIR STATION SITKA SITKA	ALASKA
ARCHITECTURAL	

SHEET ID

AD403

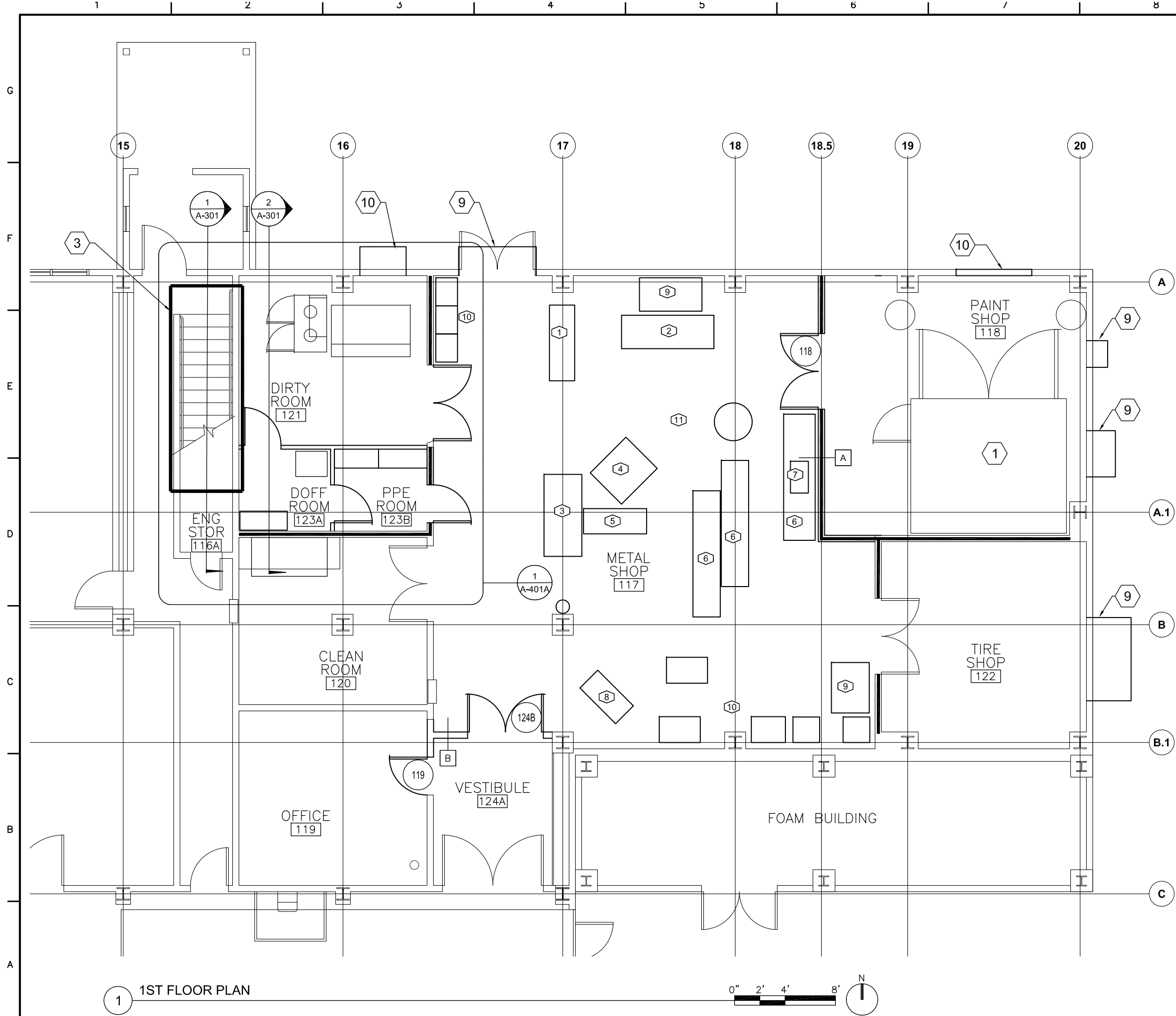


MARK	DESCRIPTION	DATE	SCALE
1	100% SUBMITTAL	NOV 2022	AS SHOWN

A/E COMPANY:	JENSEN YORBA WALL, INC.
JUNEAU, ALASKA	(907)586-1070
A/E PROJECT NO.:	20055
CONSULTING A/E:	N/A
DRAWN BY:	WOOD, BENJAMIN
CHECKED BY:	JENSEN, WAYNE
DESIGNED BY:	SMITH, JENNIFER L.
EDITED BY:	WOOD, BENJAMIN
CIVIL ENGINEERING UNIT	JUNEAU, AK 99801
709 WEST 9TH ST., RM. 817	
USCG PROJECT NO.	10925308
USCG DRAWING NO.	10925308-A301
USCG FILENAME	10925308-A301.dwg
SHEET 13	OF 40

REPAIR HANGAR FOR CMI MGMT	ALASKA
USCG AIR STATION SITKA	ARCHITECTURAL
SITKA	BUILDING SECTIONS

SHEET ID
A-301

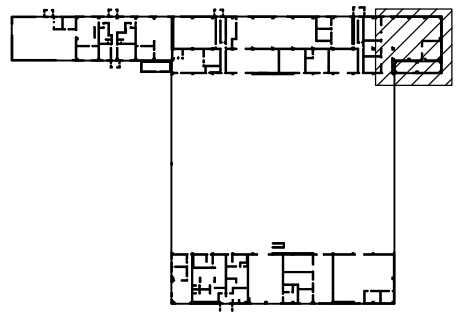


KEYNOTE LEGEND

- 1 EXISTING PAINT BOOTH
- 2 DOWNDRAFT TABLE
- 3 PATCH CEILING & WALLS TO MATCH EXISTING
- 4 EXISTING WORK BENCH
- 5 PPE DISCARD (NIC)
- 6 BENCH (NIC)
- 7 FUME HOOD
- 8 PATCH WALL TO MATCH EX WHERE WALL IS REMOVED, TYP
- 9 SEAL AROUND HOOD -SEE MECH
- 10 PATCH WALL TO MATCH EX WHERE LOUVER WAS REMOVED

EXISTING EQUIPMENT

- 1 BREAK TO REMAIN
- 2 SHEAR
- 3 BAND SAW
- 4 DRILL PRESS
- 5 SANDER
- 6 TABLE
- 7 BREAK
- 8 PRESS
- 9 METAL SCRAPS CART
- 10 CABINETS
- 11 MISCELLANEOUS EQUIP NOT SHOWN



KEY PLAN

NOT TO SCALE

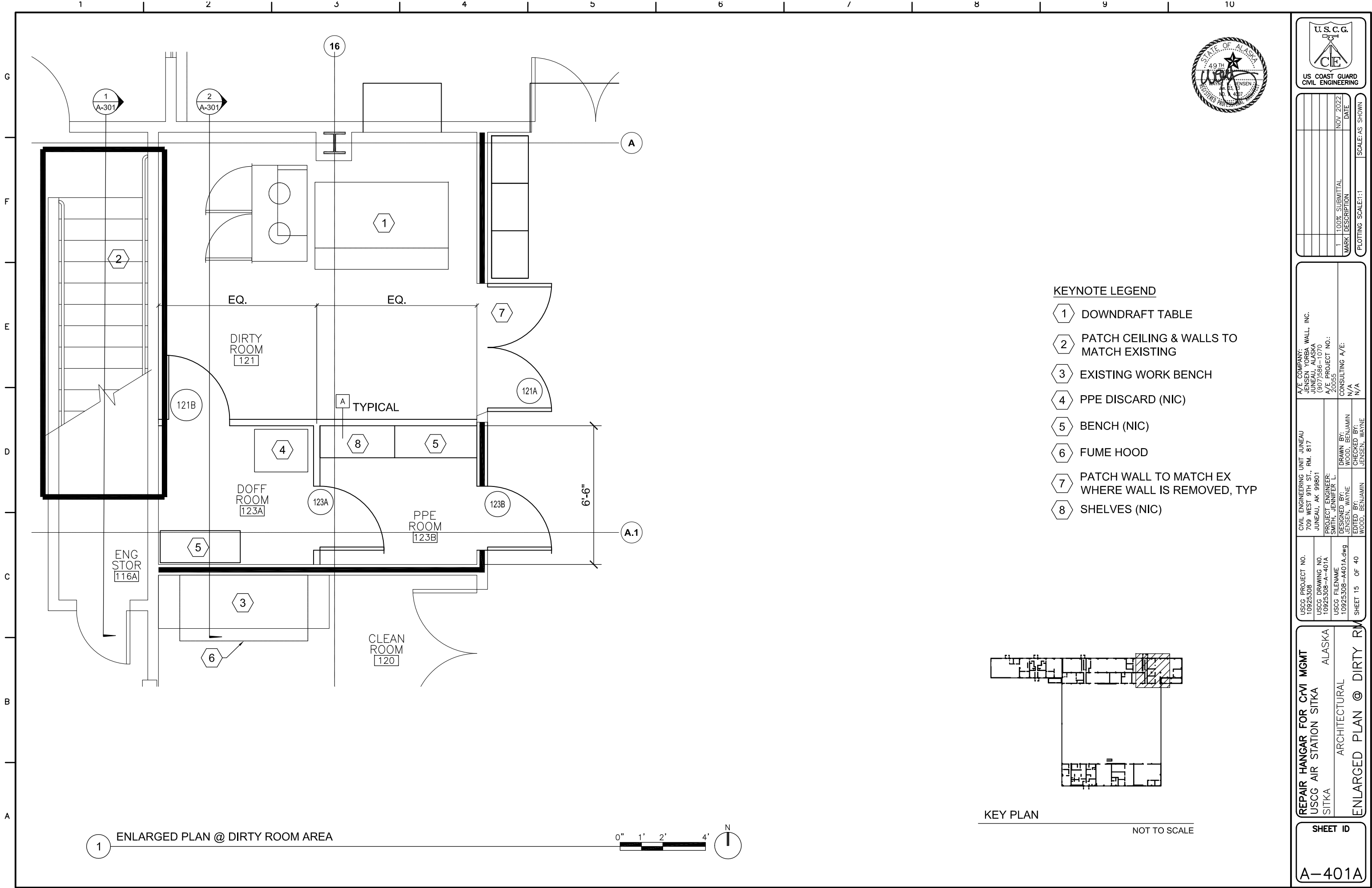


MARK	DESCRIPTION	DATE	SCALE: AS SHOWN
1	100% SUBMITTAL	NOV 2022	

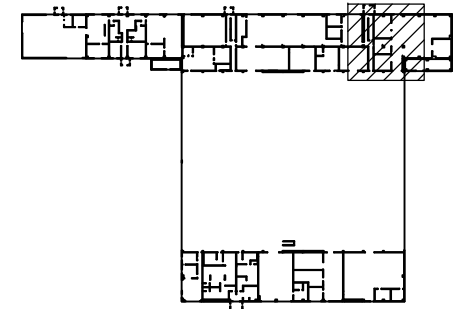
USCG PROJECT NO. 10925308	USCG DRAWING NO. 10925308-A401	USCG FILENAME 10925308-A401.dwg	SHEET 14 OF 40	CIVIL ENGINEERING UNIT JUNEAU, AK 99801 709 WEST 9TH ST., RM. 817	A/E COMPANY: JENSEN YORBA WALL, INC. JUNEAU, ALASKA (907)586-1070 A/E PROJECT NO.: 20055
				DESIGNED BY: JENSEN, WAYNE	CONSULTING A/E: N/A
				DRAWN BY: WOOD, BENJAMIN	CHECKED BY: JENSEN, WAYNE

REPAIR HANGAR FOR Civi MGMT
USCG AIR STATION SITKA
SITKA
ALASKA
ARCHITECTURAL
1ST FLOOR PLAN

SHEET ID
A-401



- KEYNOTE LEGEND
- 1 DOWNDRAFT TABLE
 - 2 PATCH CEILING & WALLS TO MATCH EXISTING
 - 3 EXISTING WORK BENCH
 - 4 PPE DISCARD (NIC)
 - 5 BENCH (NIC)
 - 6 FUME HOOD
 - 7 PATCH WALL TO MATCH EX WHERE WALL IS REMOVED, TYP
 - 8 SHELVES (NIC)



KEY PLAN
NOT TO SCALE



100% SUBMITTAL	NOV 2022	DATE
MARK DESCRIPTION	NOV 2022	DATE
100% SUBMITTAL	NOV 2022	DATE
MARK DESCRIPTION	NOV 2022	DATE
100% SUBMITTAL	NOV 2022	DATE
MARK DESCRIPTION	NOV 2022	DATE
100% SUBMITTAL	NOV 2022	DATE
MARK DESCRIPTION	NOV 2022	DATE
100% SUBMITTAL	NOV 2022	DATE
MARK DESCRIPTION	NOV 2022	DATE

USCG PROJECT NO. 10925308	CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801	A/E COMPANY: JENSEN YORBA WALL, INC. JUNEAU, ALASKA (907)586-1070 A/E PROJECT NO.: 20055
USCG DRAWING NO. 10925308-A-401A	PROJECT ENGINEER: SMITH, JENNIFER L.	CONSULTING A/E: N/A
USCG FILENAME 10925308-A401A.dwg	DESIGNED BY: JENSEN, WAYNE	DRAWN BY: WOOD, BENJAMIN
SHEET 15 OF 40	EDITED BY: WOOD, BENJAMIN	CHECKED BY: JENSEN, WAYNE

REPAIR HANGAR FOR CIVI MGMT
USCG AIR STATION SITKA
SITKA
ARCHITECTURAL
ENLARGED PLAN @ DIRTY ROOM

SHEET ID
A-401A

[illegible]

1 PATCH CEILING & WALLS & FLOORS TO MATCH EXISTING

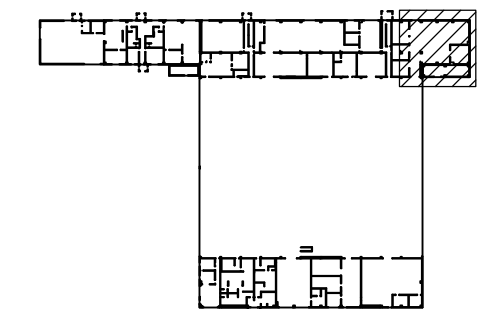


CIVIL ENGINEERING UNIT	JUNEAU	A/E COMPANY:	WALL, INC.
709 WEST 9TH ST., RM. 817			
JUNEAU, AK 99801			
		A/E PROJECT NO.:	20035
PROJECT ENGINEER:			
SMITH, JENNIFER L.			
DRAWN BY:	BENJAMIN WOOD	CONSULTING A/E:	N/A
CHECKED BY:	JENSEN WAYNE		N/A
EDITED BY:			
SHEET 16 OF 40			

REPAIR HANGAR FOR C-174	MGMT
USCG AIR STATION	SITKA
SITKA	ALASKA
ARCHITECTURAL	
2ND FLOOR PLAN	

SHEET ID

A-402



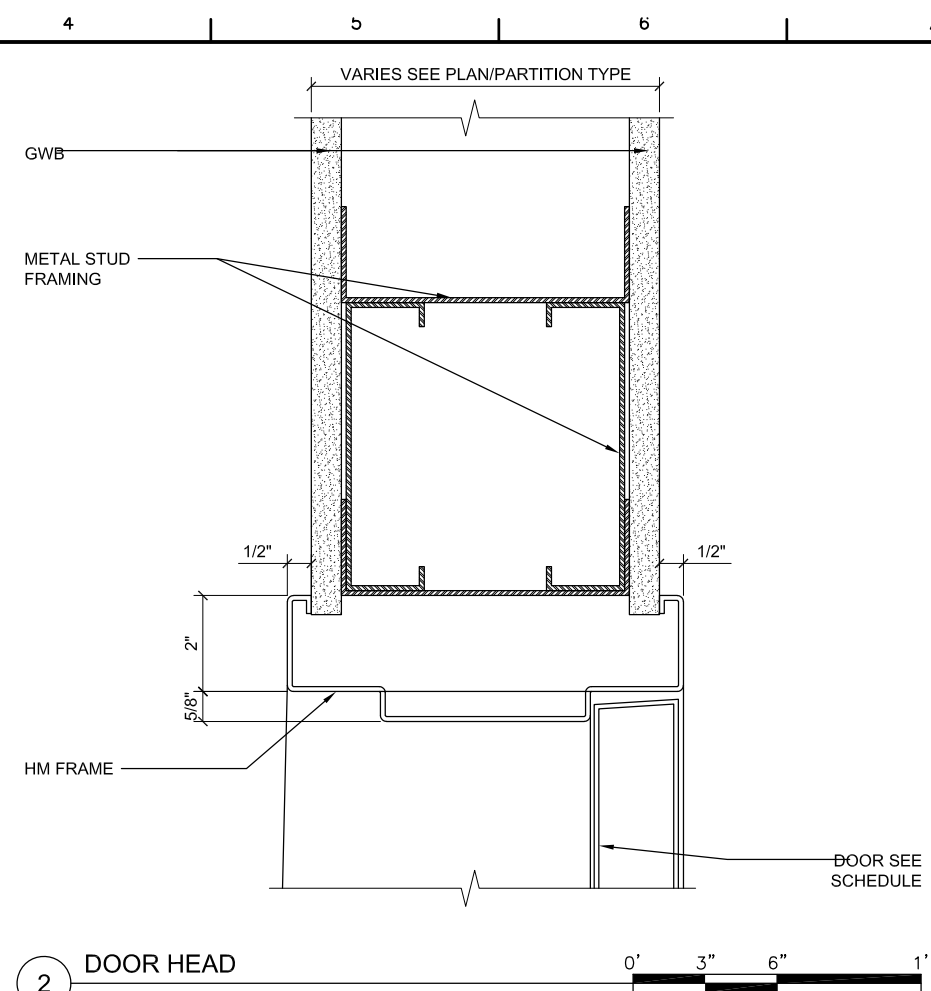
NOT TO SCALE

[illegible][illegible]

SITKA	ALASKA
ARCHITECTURAL	
ROOF PLAN	

SHEET ID

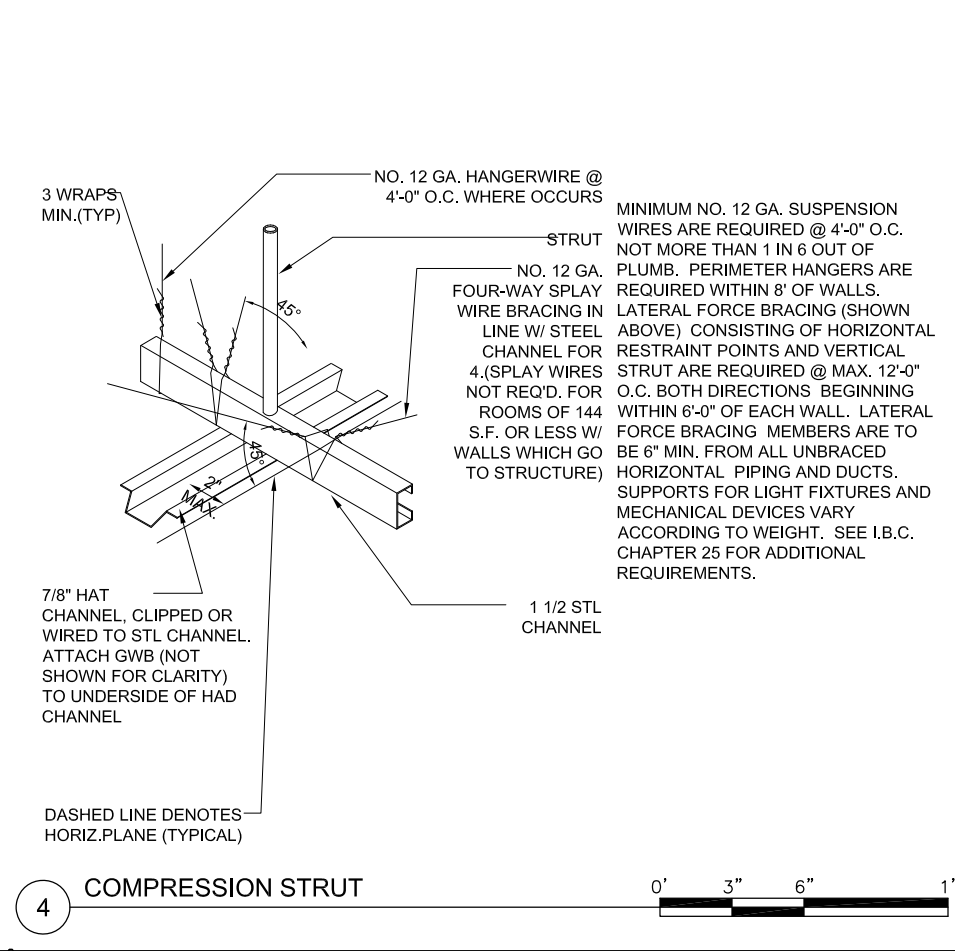
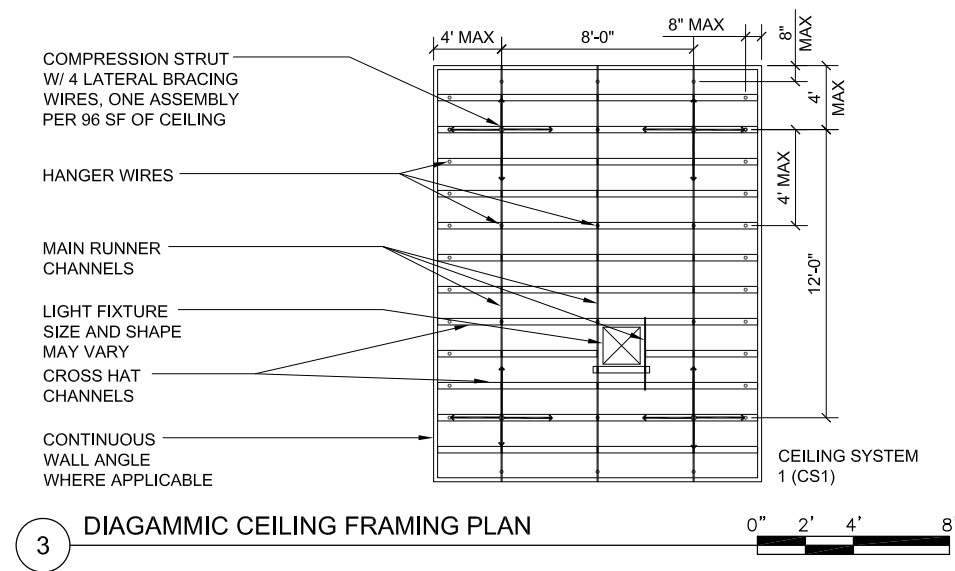
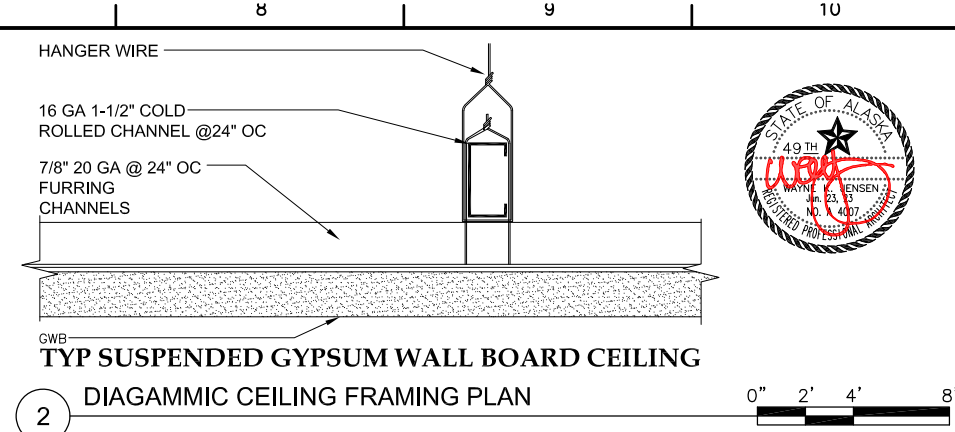
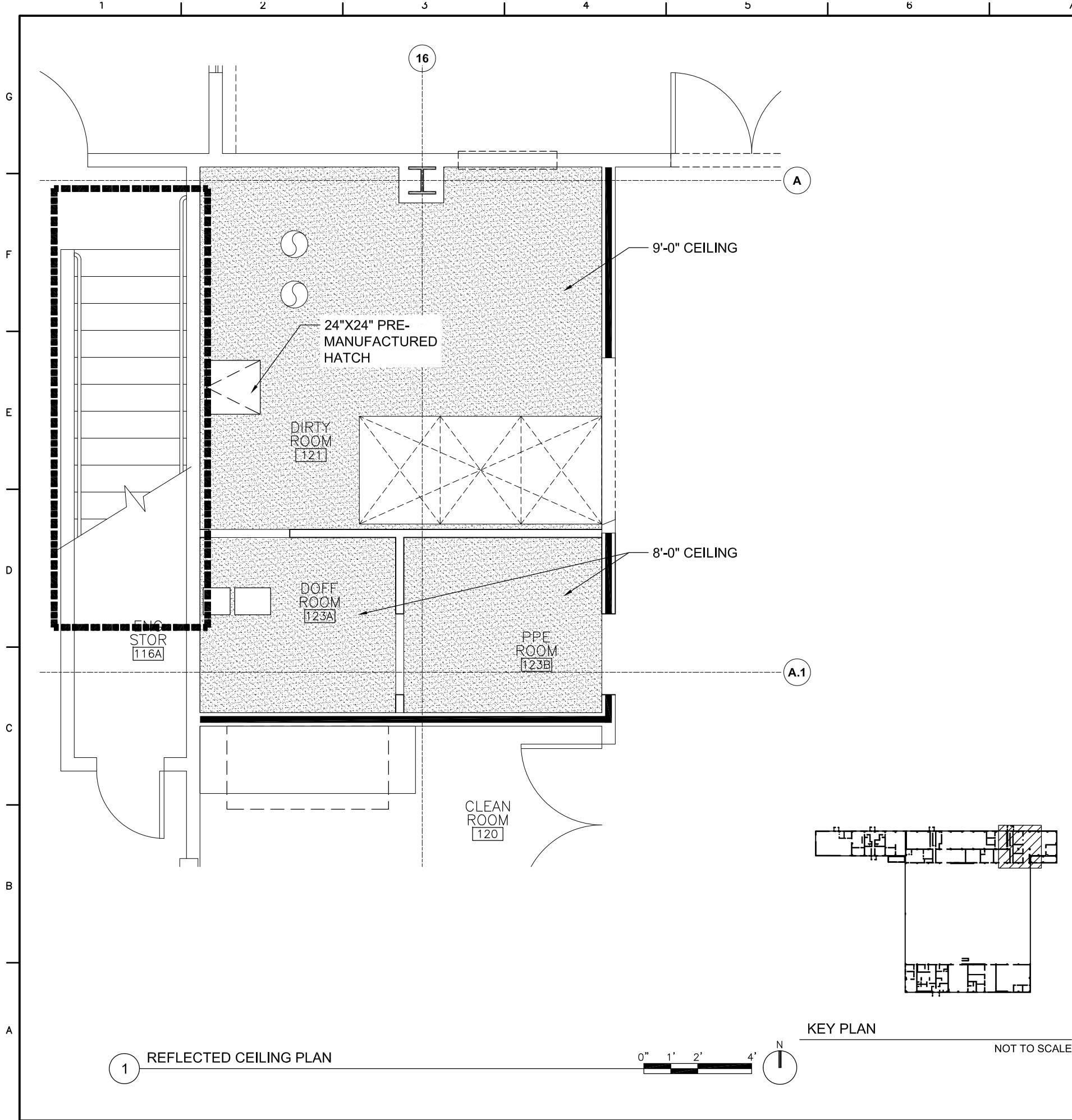
A-403]

[illegible]

USCSC PROJECT NO. 10925308	CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801	A/E COMPANY: HASSAN, KUTUB & WALL, INC. JUNEAU, ALASKA (907)586-1070
USCSC DRAWING NO. 10925308A-501	PROJECT ENGINEER: SMITH, JENNIFER L.	A/E PROJECT NO.: 20055
USCSC FILENAME 10925308A-501.dwg	DESIGNED BY: JAMES WAYNE CHECKED BY: JAMES WAYNE	CONSULTING A/E: N/A

REPAIR HANGAR FOR C-171 MGMT	ALASKA
USCG AIR STATION SITKA	ARCHITECTURAL
SITKA	RETAIL C

SHEET ID
A-501



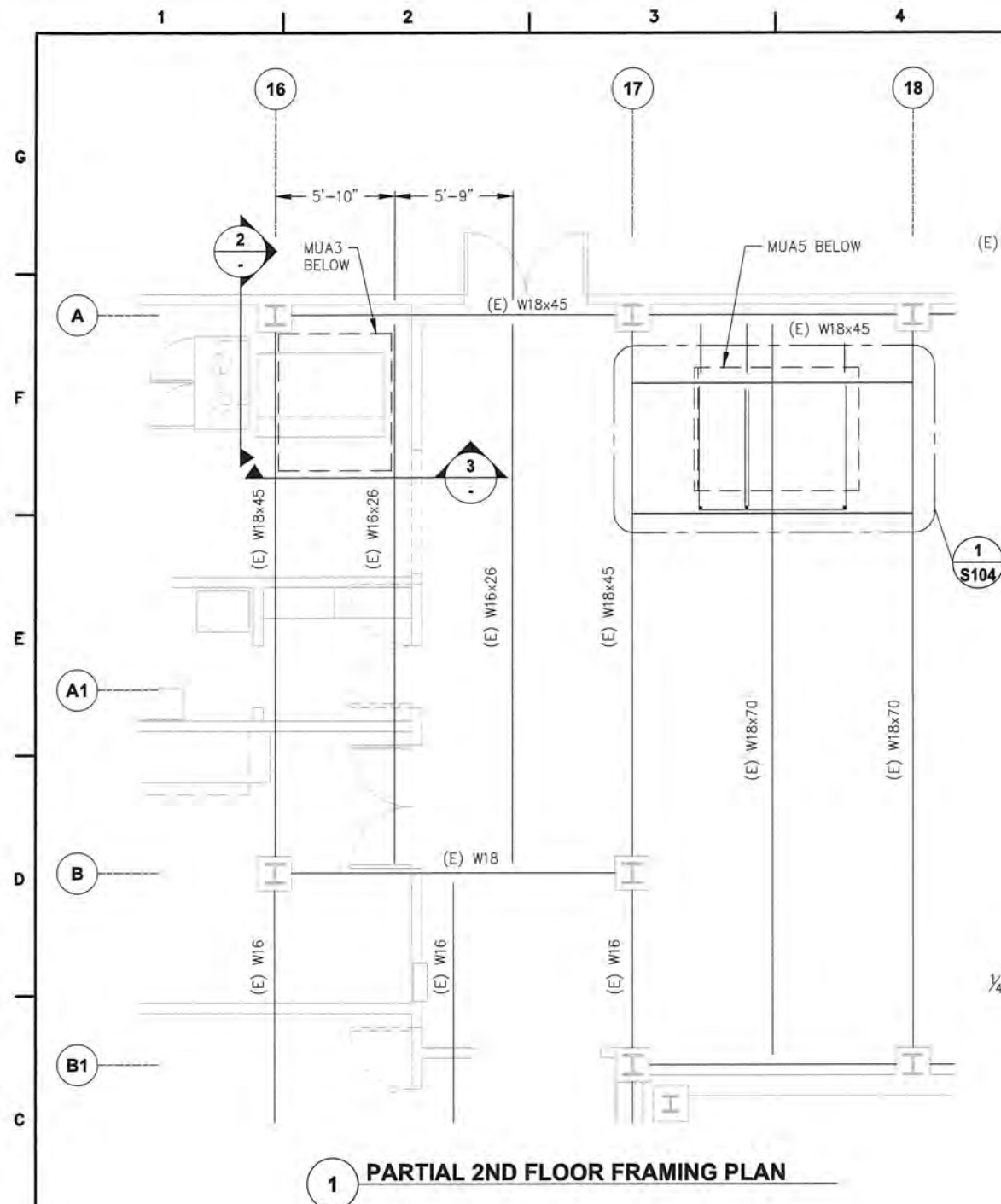
MARK	DESCRIPTION	DATE
1	100% SUBMITTAL	NOV 2022

SCALE: AS SHOWN

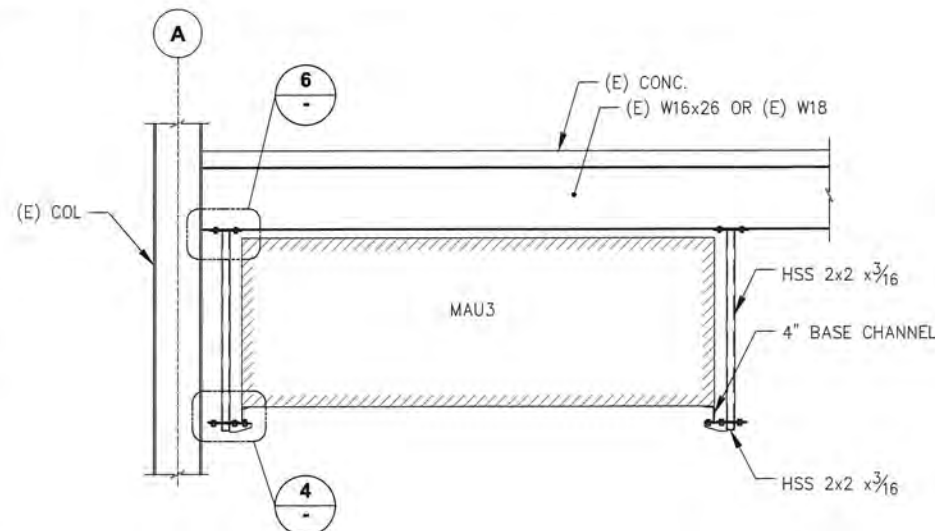
PLOTTING SCALE: 1:1

A/E COMPANY:	JENSEN YORBA WALL, INC.
JUNEAU, ALASKA	(907)586-1070
A/E PROJECT NO.:	20055
CONSULTING A/E:	N/A
DRAWN BY:	WOOD, BENJAMIN
CHECKED BY:	JENSEN, WAYNE
DESIGNED BY:	SMITH, JENNIFER L.
CIVIL ENGINEERING UNIT	JUNEAU
709 WEST 9TH ST., RM. 817	JUNEAU, AK 99801
USCG PROJECT NO.	10925308
USCG DRAWING NO.	10925308-A-701
USCG FILENAME	10925308-A701.dwg
SHEET 19	OF 40

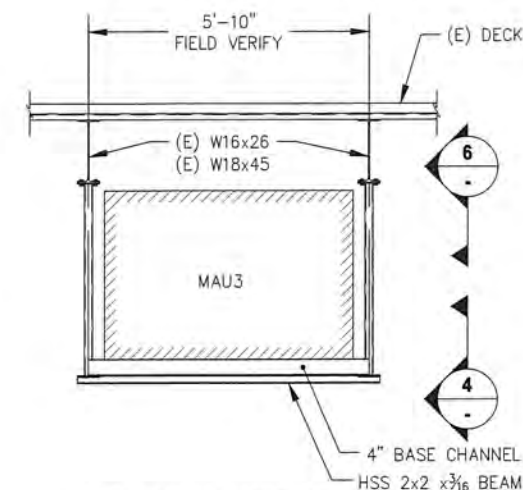
REPAIR HANGAR FOR CVM MGMT	ALASKA
USCG AIR STATION SITKA	ARCHITECTURAL
SITKA	REFLECTED CEILING PLAN



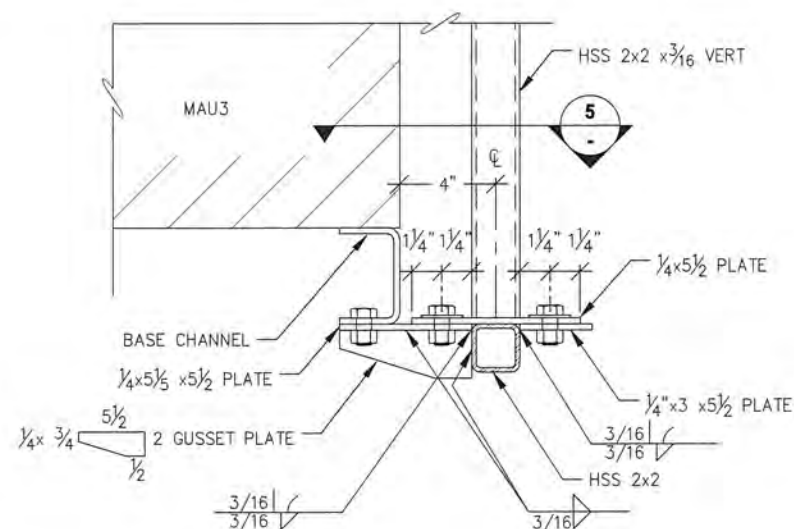
1 PARTIAL 2ND FLOOR FRAMING PLAN



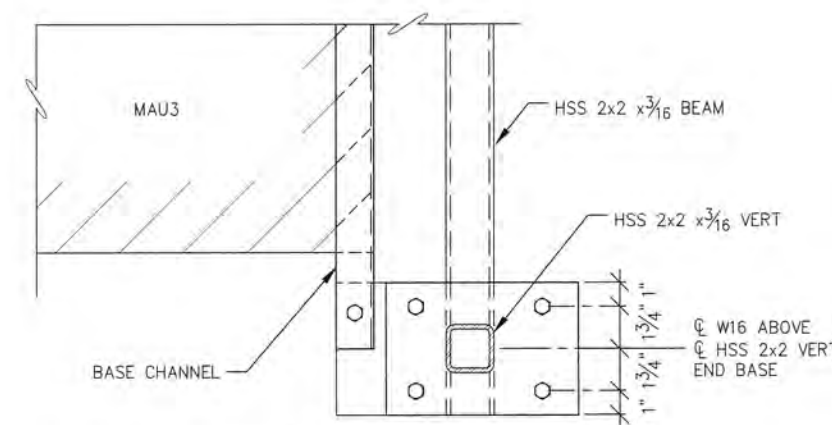
2 MAU3 SUPPORT SIDE VIEW



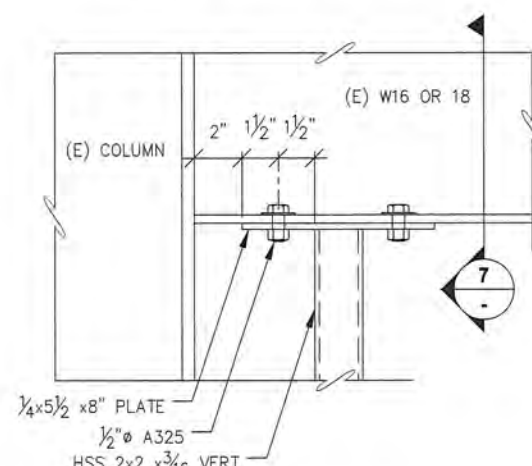
3 MAU3 SUPPORT SECTION



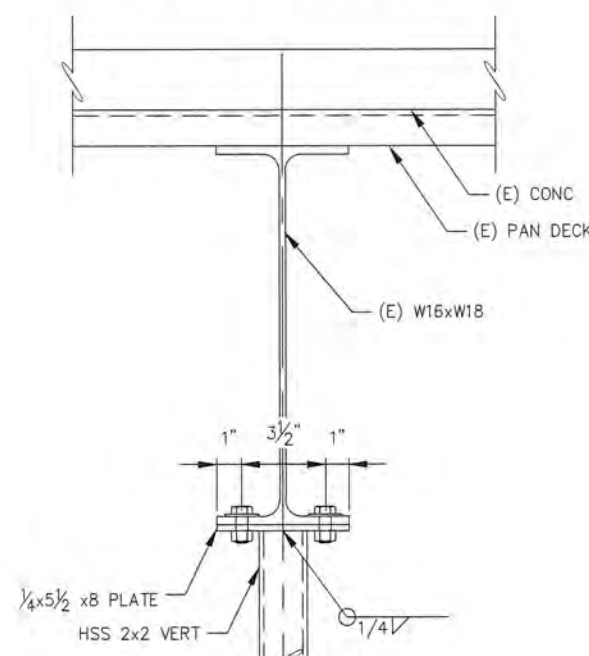
4 SIDE VIEW VERT/BEAM/BASE MAU3



5 PLAN VERT/BEAM/ BASE MAU3



6 VERT TO (E) W16 SIDE



7 VERT TO (E) W16 SECTION

1

2

3

4

5

6

7

8

9

10

G

F

E

D

C

B

A

SD

STORM DRAIN PIPING

V

VENT PIPING

SAN

SANITARY SEWER PIPING DEMOLITION

SAN

SANITARY SEWER PIPING

SP

FIRE SPRINKLER PIPING DEMOLITION

SP

FIRE SPRINKLER PIPING

A

COMPRESSED AIR PIPING DEMOLITION

A

COMPRESSED AIR PIPING

A

COMPRESSED AIR PIPING NEW

DCW

COLD WATER PIPING DEMOLITION

DCW

COLD WATER PIPING

DCW

COLD WATER PIPING NEW

DHW

DOMESTIC HOT WATER PIPING

DHW

DOMESTIC HOT WATER PIPING NEW

G

GAS PIPING DEMOLITION

G

GAS PIPING

G

GAS PIPING NEW

F

F

FIRE WATER PIPING

HWS

HEATING WATER SUPPLY PIPING DEMOLITION

HWS

HEATING WATER SUPPLY PIPING

HWS

HEATING WATER SUPPLY PIPING NEW

HWR

HEATING WATER RETURN PIPING DEMOLITION

HWR

HEATING WATER RETURN PIPING

HWR

HEATING WATER RETURN PIPING NEW

PIPING CAP

CONNECTION POINT SYMBOL

GAS VALVE

COMPRESSED AIR OUTLET

PIPE DOWN SYMBOL

PIPE UP SYMBOL

SHEET NOTE SYMBOL

FLOOR DRAIN

FIRE SPRINKLER

SENSOR DEMO/EXIST/NEW

ROOM DIFFERENTIAL PRESSURE SENSOR

BALANCE VALVE

ISOLATION VALVE

FLOW CONTROL VALVE

2-WAY MOTORIZED VALVE

3-WAY MOTORIZED VALVE

STRAINER W/ BLOWDOWN

UNION

THERMOSTAT

FLEXIBLE PIPE

HOSE BIBB

36/60

1250

GRILLE CALLOUT - GRILLE#

SIZE

CFM

VOLUME DAMPER

FIRE DAMPER

DIFFUSER DEMO/NEW

EXHAUST AIR DUCTWORK DEMO/NEW

SUPPLY AIR DUCTWORK DEMO/NEW

TURNING VEINS

FAN

VENTILATION LEGEND

1

36/60

1250

GRILLE CALLOUT - GRILLE#

SIZE

CFM

VOLUME DAMPER

FIRE DAMPER

DIFFUSER DEMO/NEW

EXHAUST AIR DUCTWORK DEMO/NEW

SUPPLY AIR DUCTWORK DEMO/NEW

TURNING VEINS

FAN

ABBREVIATIONS

A

COMPRESSED AIR

AFF

ABOVE FINISHED FLOOR

AI

AI

BI

BI

BO

BO

CFM

CUBIC FEET PER MINUTE

Ø

DIAMETER

DCW

DOMESTIC COLD WATER

DHW

DOMESTIC HOT WATER

DT-X

DOWN DRAFT TABLE DESIGNATOR

(E)

EXISTING

E/A

EXHAUST AIR

EAT

ENTERING AIR TEMPERATURE

EF-X

EXHAUST FAN DESIGNATOR

ESP

EXTERNAL STATIC PRESSURE

F

FIRE WATER

F

DEGREES FARENHEIGHT

FD

FIRE DAMPER

FPM

FOOT PER MINUTE

HC-X

HEATING COIL DESIGNATOR

HP

HORSE POWER

HWR

HOT WATER RETURN

HWS

HOT WATER SUPPLY

LAT

LEAVING AIR TEMPERATURE

MAU-X

MAKE-UP AIR UNIT DESIGNATOR

N.C.

NORMALLY COLOSED

N.O.

NORMALLY OPEN

O/A

OUTSIDE AIR

PH

PHASE

R/A

RETURN AIR

RPM

REVOLUTIONS PER MINUTE

S/A

SUPPLY AIR

SP

SPRINKLER PIPING

T/A

TRANSFER AIR

THW

TEMPERED HOT WATER

TSP

TOTAL STATIC PRESSURE

TYP

TYPICAL

UH-X

UNIT HEATER DESIGNATOR

V

VENT

VFD

VARIABLE FREQUENCY DRIVE

WH-X

WATER HEATER DESIGNATOR

VH-X

VENT HOOD DESIGNATOR

W.C.

WATER COLUMN

STATE OF ALASKA

49TH

ADAM W. WILSON

ME-12819

12/15/20

CERTIFIED PROFESSIONAL ENGINEER

U.S.C.G.

US COAST GUARD

CIVIL ENGINEERING

MARK

DESCRIPTION

DATE

SCALE: AS SHOWN

A/E COMPANY:

JENSEN YORBA WALL, INC.

ANCHORAGE, ALASKA

(907) 586-1070

A/E PROJECT NO.:

M103020

CONSULTING A/E:

RSA ENGINEERING, INC. CORP.

ANCHORAGE, AK 99503

#AEC0542

CIVIL ENGINEERING UNIT JUNEAU

709 WEST 9TH ST., RM. 817

JUNEAU, AK 99801

PROJECT ENGINEER:

SMITH, JENNIFER L.

DESIGNED BY:

WILSON, ADAM

EDITED BY:

WILSON, ADAM

DRAWN BY:

NOTESTINE, ALAN

CHECKED BY:

WILSON, ADAM

USCG PROJECT NO.

10925308

USCG DRAWING NO.

10925308M-001

USCG FILENAME

10925308-M-001.DWG

SHEET 17

OF 37

REPAIR HANGAR FOR C-171 MGMT

USCG AIR STATION SITKA

SITKA

ALASKA

MECHANICAL

MECHANICAL LEGENDS

SHEET ID

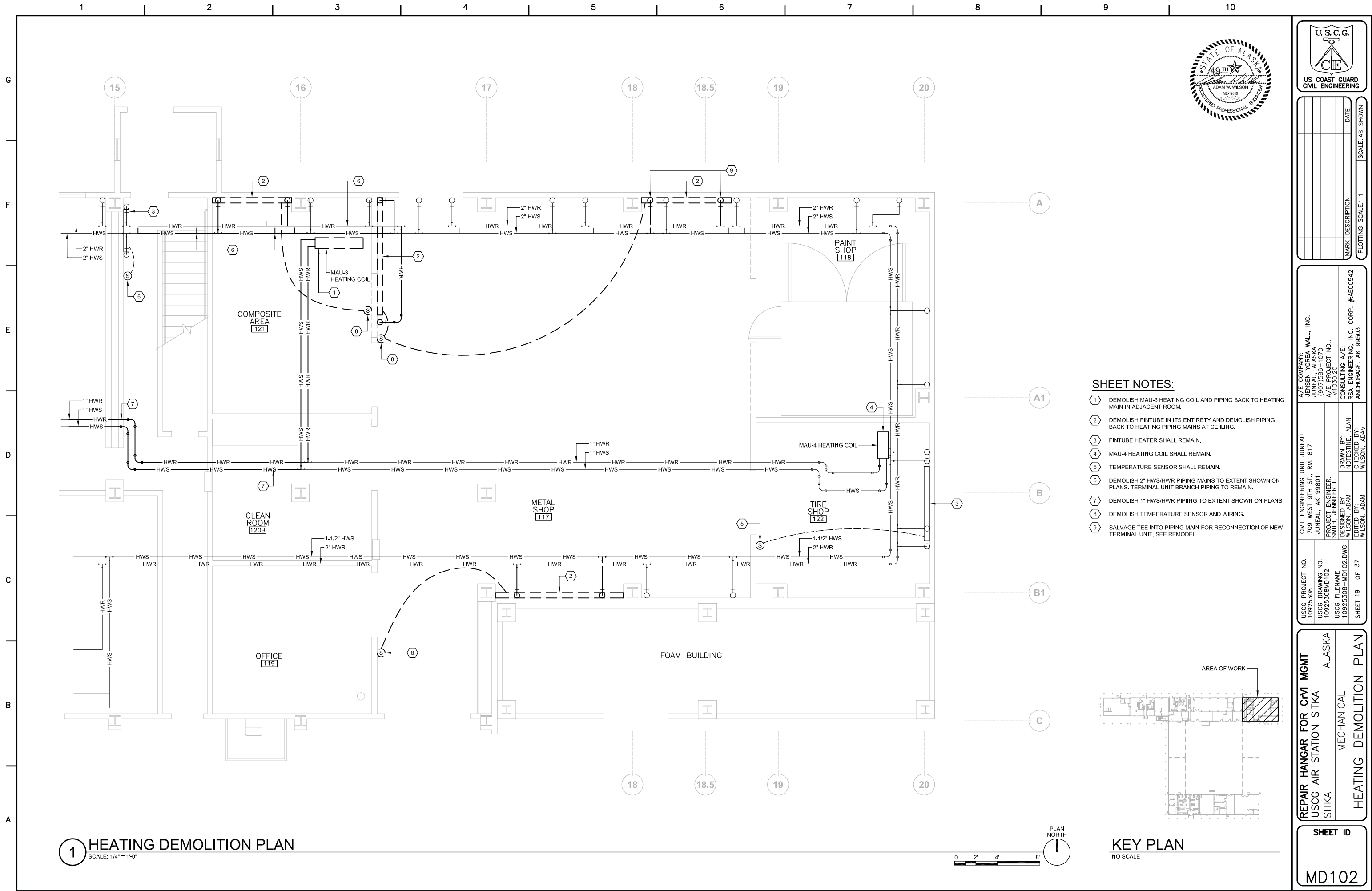
M-001

SOLICITATION NO.:

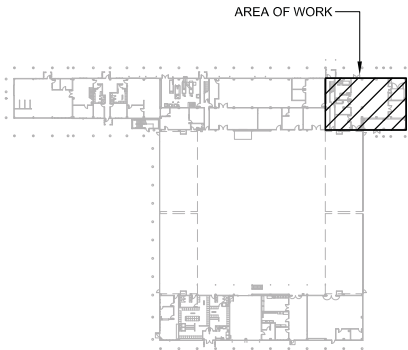
N/A

CONTRACT NO.:

N/A



- SHEET NOTES:**
- 1 DEMOLISH MAU-3 HEATING COIL AND PIPING BACK TO HEATING MAIN IN ADJACENT ROOM.
 - 2 DEMOLISH FINITUBE IN ITS ENTIRETY AND DEMOLISH PIPING BACK TO HEATING PIPING MAINS AT CEILING.
 - 3 FINITUBE HEATER SHALL REMAIN.
 - 4 MAU-4 HEATING COIL SHALL REMAIN.
 - 5 TEMPERATURE SENSOR SHALL REMAIN.
 - 6 DEMOLISH 2" HWS/HWR PIPING MAINS TO EXTENT SHOWN ON PLANS. TERMINAL UNIT BRANCH PIPING TO REMAIN.
 - 7 DEMOLISH 1" HWS/HWR PIPING TO EXTENT SHOWN ON PLANS.
 - 8 DEMOLISH TEMPERATURE SENSOR AND WIRING.
 - 9 SALVAGE TEE INTO PIPING MAIN FOR RECONNECTION OF NEW TERMINAL UNIT, SEE REMODEL.

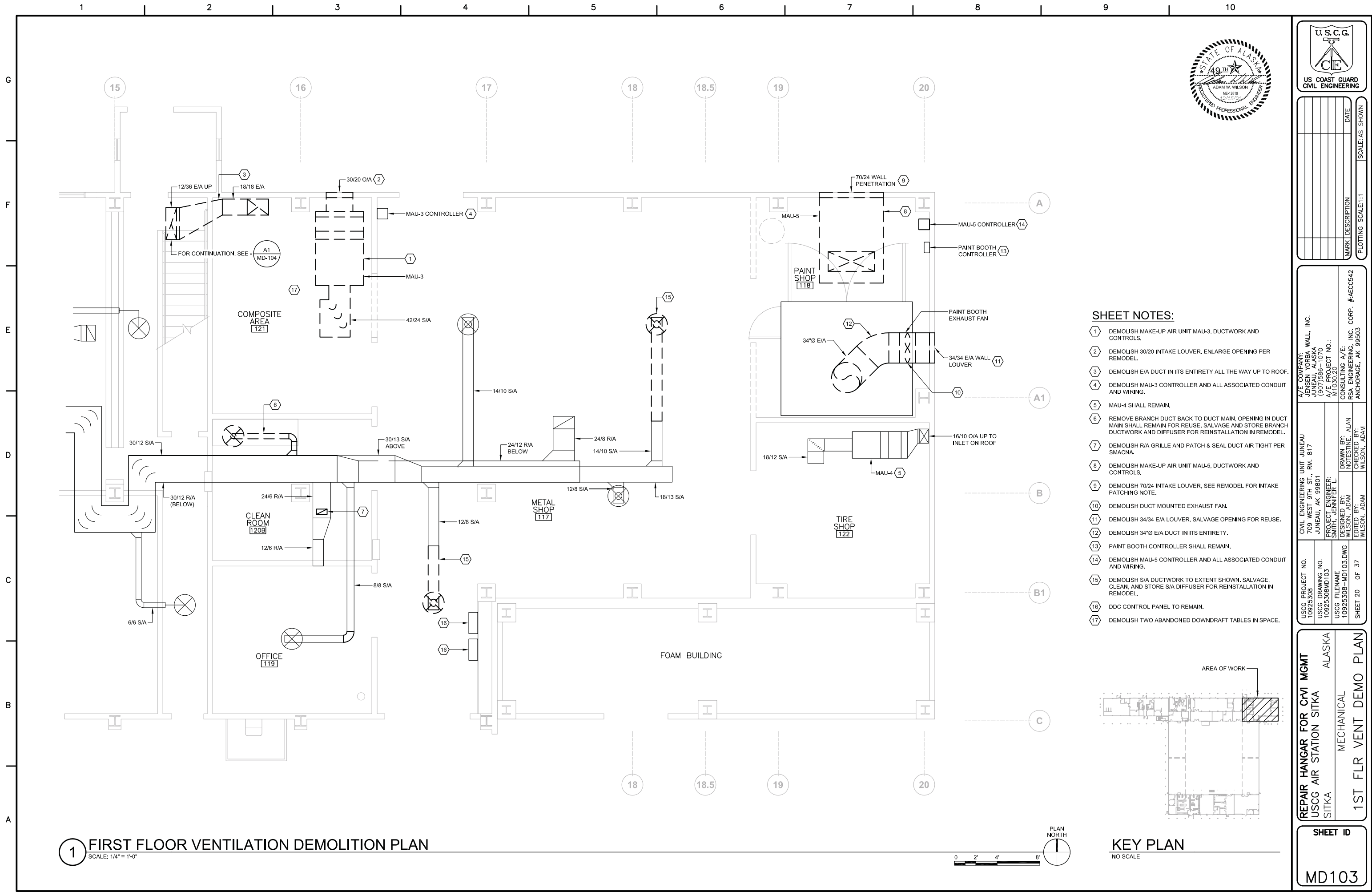


KEY PLAN
NO SCALE

USCG PROJECT NO. 10925308	CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801	A/E COMPANY: JENSEN YORBA WALL, INC. ANCHORAGE, AK 99503 (907) 586-1070 A/E PROJECT NO.: M103020
USCG DRAWING NO. 10925308MD102	PROJECT ENGINEER: SMITH, JENNIFER L.	CONSULTING A/E: RSA ENGINEERING, INC. CORP. #AEC0542 ANCHORAGE, AK 99503
USCG FILENAME 10925308-MD102.DWG	DESIGNED BY: WILSON, ADAM	DRAWN BY: NOTESTINE, ALAN
SHEET 19 OF 37	EDITED BY: WILSON, ADAM	CHECKED BY: WILSON, ADAM

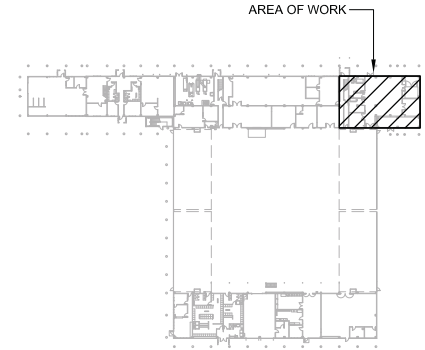
REPAIR HANGAR FOR CVI MGMT
USCG AIR STATION SITKA
SITKA
ALASKA
MECHANICAL
HEATING DEMOLITION PLAN

SHEET ID
MD102



MARK	DESCRIPTION	DATE	SCALE: AS SHOWN

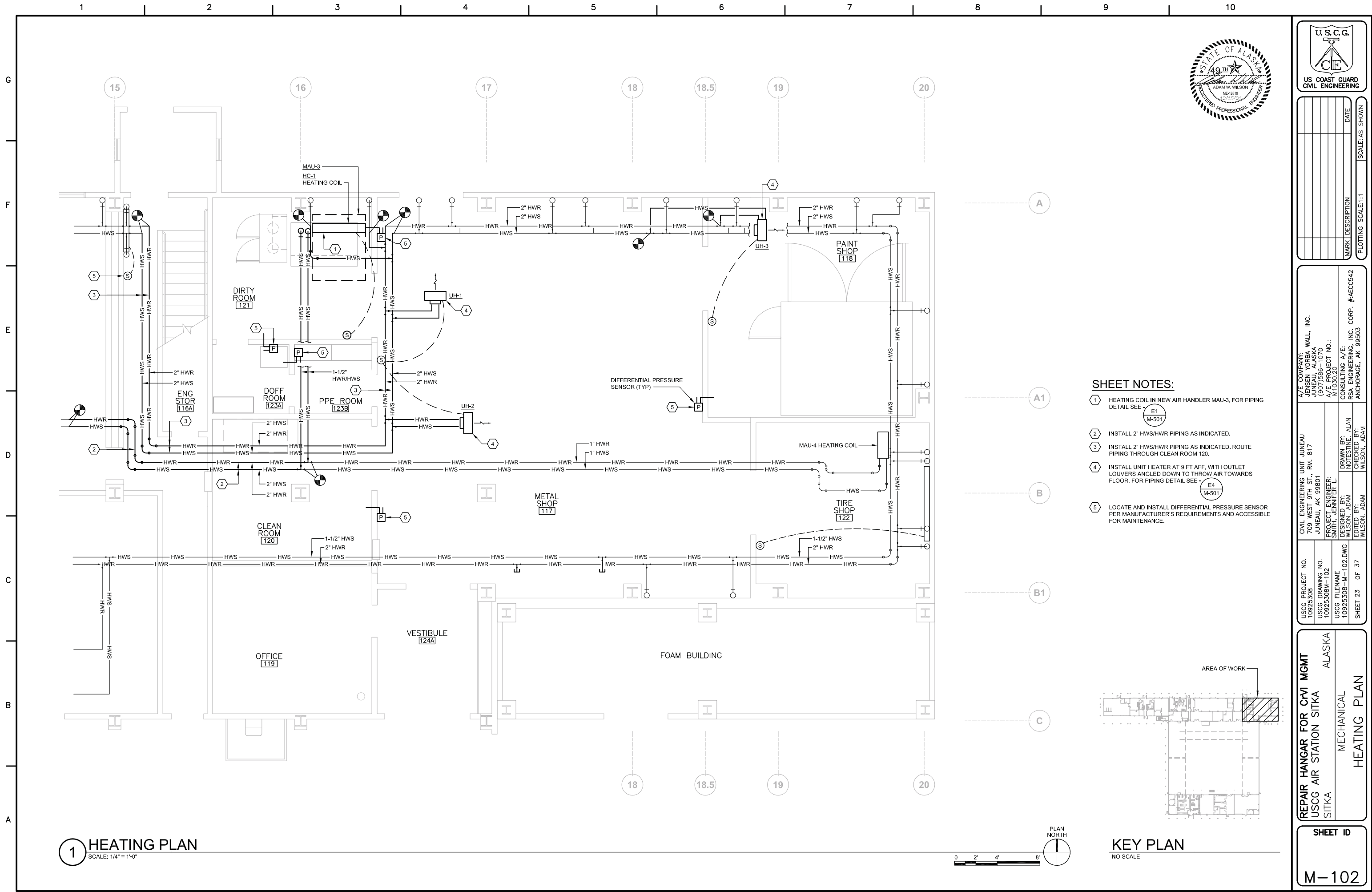
- SHEET NOTES:**
- 1 DEMOLISH MAKE-UP AIR UNIT MAU-3, DUCTWORK AND CONTROLS.
 - 2 DEMOLISH 30/20 INTAKE LOUVER, ENLARGE OPENING PER REMODEL.
 - 3 DEMOLISH E/A DUCT IN ITS ENTIRETY ALL THE WAY UP TO ROOF.
 - 4 DEMOLISH MAU-3 CONTROLLER AND ALL ASSOCIATED CONDUIT AND WIRING.
 - 5 MAU-4 SHALL REMAIN.
 - 6 REMOVE BRANCH DUCT BACK TO DUCT MAIN, OPENING IN DUCT MAIN SHALL REMAIN FOR REUSE, SALVAGE AND STORE BRANCH DUCTWORK AND DIFFUSER FOR REINSTALLATION IN REMODEL.
 - 7 DEMOLISH R/A GRILLE AND PATCH & SEAL DUCT AIR TIGHT PER SMACNA.
 - 8 DEMOLISH MAKE-UP AIR UNIT MAU-5, DUCTWORK AND CONTROLS.
 - 9 DEMOLISH 70/24 INTAKE LOUVER, SEE REMODEL FOR INTAKE PATCHING NOTE.
 - 10 DEMOLISH DUCT MOUNTED EXHAUST FAN.
 - 11 DEMOLISH 34/34 E/A LOUVER, SALVAGE OPENING FOR REUSE.
 - 12 DEMOLISH 34"Ø E/A DUCT IN ITS ENTIRETY.
 - 13 PAINT BOOTH CONTROLLER SHALL REMAIN.
 - 14 DEMOLISH MAU-5 CONTROLLER AND ALL ASSOCIATED CONDUIT AND WIRING.
 - 15 DEMOLISH S/A DUCTWORK TO EXTENT SHOWN, SALVAGE, CLEAN, AND STORE S/A DIFFUSER FOR REINSTALLATION IN REMODEL.
 - 16 DDC CONTROL PANEL TO REMAIN.
 - 17 DEMOLISH TWO ABANDONED DOWNDRAFT TABLES IN SPACE.



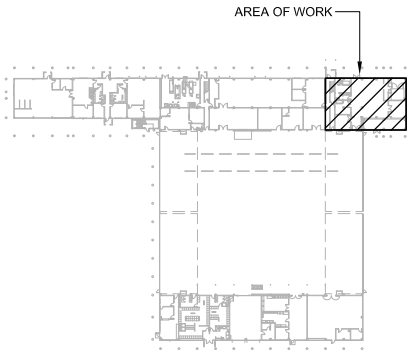
USCG PROJECT NO. 10925308	CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801	A/E COMPANY: JENSEN YORBA WALL, INC. 1007 S. 10TH AVE. (907) 586-1070	CONSULTING A/E: RSA ENGINEERING, INC. CORP. ANCHORAGE, AK 99503
USCG DRAWING NO. 10925308MD103	PROJECT ENGINEER: SMITH, JENNIFER L.	A/E PROJECT NO.: MD103.20	DESIGNED BY: WILSON, ADAM
USCG FILENAME 10925308-MD103.DWG	DESIGNED BY: WILSON, ADAM	DRAWN BY: NOTESTINE, ALAN	CHECKED BY: WILSON, ADAM
SHEET 20 OF 37			#AEC0542

REPAIR HANGAR FOR C-171 MGMT USCG AIR STATION SITKA SITKA	ALASKA MECHANICAL	1ST FLR VENT DEMO PLAN
---	----------------------	------------------------

SHEET ID
MD103



- SHEET NOTES:**
- 1 HEATING COIL IN NEW AIR HANDLER MAU-3, FOR PIPING DETAIL SEE - E1 M-501
 - 2 INSTALL 2" HWS/HWR PIPING AS INDICATED.
 - 3 INSTALL 2" HWS/HWR PIPING AS INDICATED. ROUTE PIPING THROUGH CLEAN ROOM 120.
 - 4 INSTALL UNIT HEATER AT 9 FT AFF. WITH OUTLET LOUVERS ANGLED DOWN TO THROW AIR TOWARDS FLOOR, FOR PIPING DETAIL SEE - E4 M-501
 - 5 LOCATE AND INSTALL DIFFERENTIAL PRESSURE SENSOR PER MANUFACTURER'S REQUIREMENTS AND ACCESSIBLE FOR MAINTENANCE.



KEY PLAN
NO SCALE



US COAST GUARD
CIVIL ENGINEERING

MARK	DESCRIPTION	DATE	SCALE: AS SHOWN

U.S.C.G.
ALASKA
JENSEN YORBA WALL, INC.
709 WEST 9TH ST., RM. 817
JUNEAU, AK 99801
(907) 586-1070
A/E PROJECT NO.: M103020

CONSULTING A/E:
RSA ENGINEERING, INC. CORP. #AEC0542
ANCHORAGE, AK 99503

CIVIL ENGINEERING UNIT JUNEAU
709 WEST 9TH ST., RM. 817
JUNEAU, AK 99801
(907) 586-1070
A/E PROJECT NO.: M103020

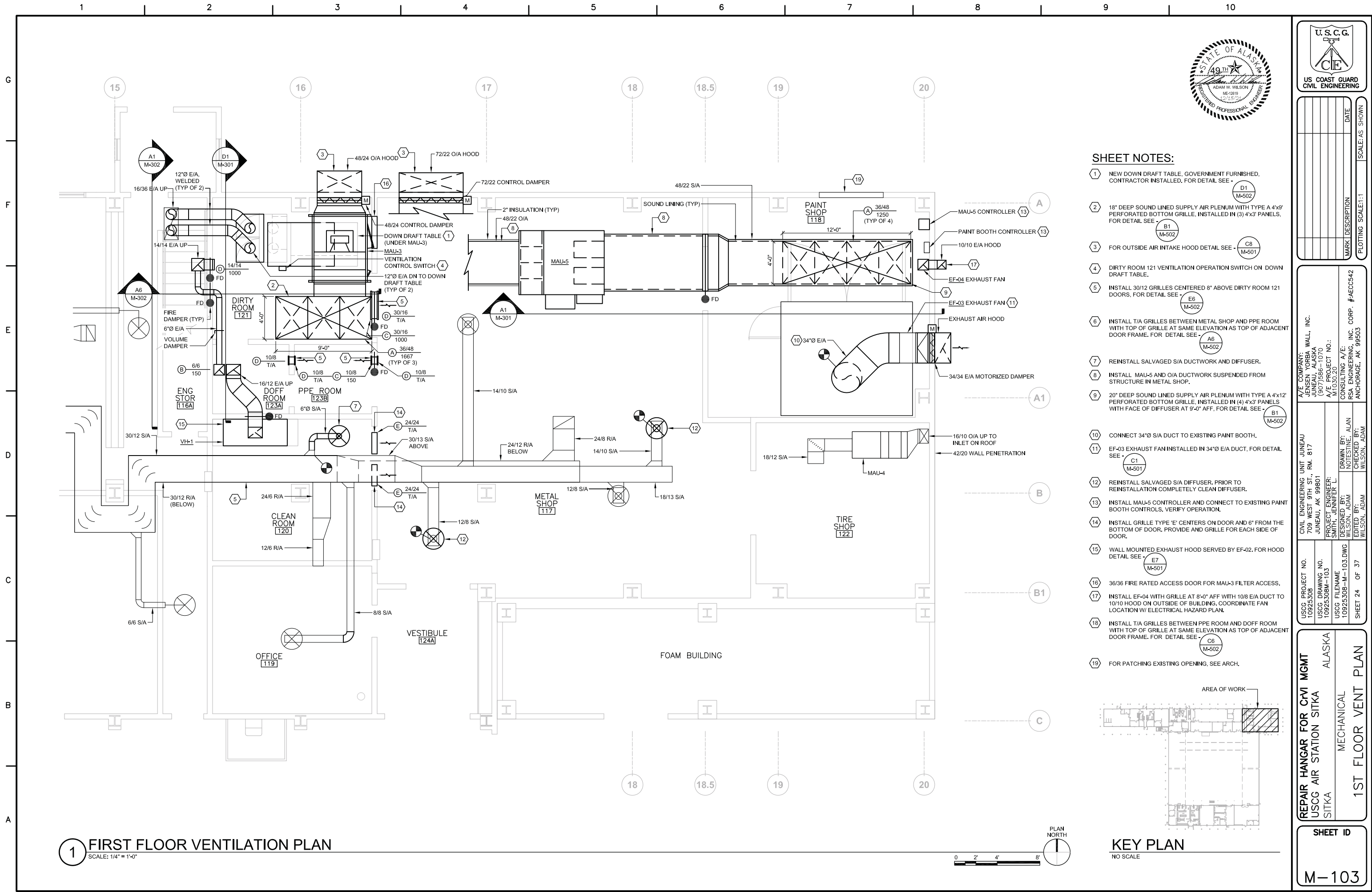
DESIGNED BY: SMITH, JENNIFER L.
DRAWN BY: NOTESTINE, ALAN
CHECKED BY: WILSON, ADAM
EDITED BY: WILSON, ADAM

USCG PROJECT NO. 10925308
USCG DRAWING NO. 10925308M-102
USCG FILENAME 10925308-M-102.DWG
SHEET 23 OF 37

REPAIR HANGAR FOR CVI MGMT
USCG AIR STATION SITKA
SITKA

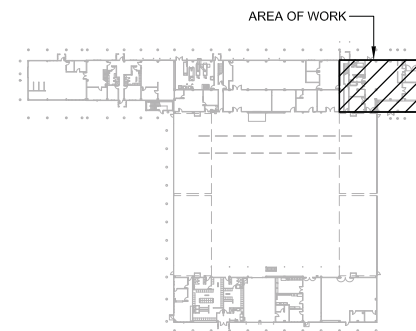
ALASKA
MECHANICAL
HEATING PLAN

SHEET ID
M-102



SHEET NOTES:

- NEW DOWN DRAFT TABLE, GOVERNMENT FURNISHED, CONTRACTOR INSTALLED, FOR DETAIL SEE - (D1 M-502)
- 18" DEEP SOUND LINED SUPPLY AIR PLENUM WITH TYPE A 4"x9" PERFORATED BOTTOM GRILLE, INSTALLED IN (3) 4"x3" PANELS, FOR DETAIL SEE - (B1 M-502)
- FOR OUTSIDE AIR INTAKE HOOD DETAIL SEE - (C8 M-501)
- DIRTY ROOM 121 VENTILATION OPERATION SWITCH ON DOWN DRAFT TABLE.
- INSTALL 30/12 GRILLES CENTERED 8" ABOVE DIRTY ROOM 121 DOORS, FOR DETAIL SEE - (E6 M-502)
- INSTALL T/A GRILLES BETWEEN METAL SHOP AND PPE ROOM WITH TOP OF GRILLE AT SAME ELEVATION AS TOP OF ADJACENT DOOR FRAME, FOR DETAIL SEE - (A6 M-502)
- REINSTALL SALVAGED S/A DUCTWORK AND DIFFUSER.
- INSTALL MAU-5 AND O/A DUCTWORK SUSPENDED FROM STRUCTURE IN METAL SHOP.
- 20" DEEP SOUND LINED SUPPLY AIR PLENUM WITH TYPE A 4"x12" PERFORATED BOTTOM GRILLE, INSTALLED IN (4) 4"x3" PANELS WITH FACE OF DIFFUSER AT 9'-0" AFF, FOR DETAIL SEE - (B1 M-502)
- CONNECT 34"x8" S/A DUCT TO EXISTING PAINT BOOTH.
- EF-03 EXHAUST FAN INSTALLED IN 34"x8" E/A DUCT, FOR DETAIL SEE - (C1 M-501)
- REINSTALL SALVAGED S/A DIFFUSER, PRIOR TO REINSTALLATION COMPLETELY CLEAN DIFFUSER.
- INSTALL MAU-5 CONTROLLER AND CONNECT TO EXISTING PAINT BOOTH CONTROLS. VERIFY OPERATION.
- INSTALL GRILLE TYPE 'E' CENTERS ON DOOR AND 6" FROM THE BOTTOM OF DOOR. PROVIDE AND GRILLE FOR EACH SIDE OF DOOR.
- WALL MOUNTED EXHAUST HOOD SERVED BY EF-02, FOR HOOD DETAIL SEE - (E7 M-501)
- 36/36 FIRE RATED ACCESS DOOR FOR MAU-3 FILTER ACCESS.
- INSTALL EF-04 WITH GRILLE AT 8'-0" AFF WITH 10/8 E/A DUCT TO 10/10 HOOD ON OUTSIDE OF BUILDING. COORDINATE FAN LOCATION W/ ELECTRICAL HAZARD PLAN.
- INSTALL T/A GRILLES BETWEEN PPE ROOM AND DOFF ROOM WITH TOP OF GRILLE AT SAME ELEVATION AS TOP OF ADJACENT DOOR FRAME, FOR DETAIL SEE - (C6 M-502)
- FOR PATCHING EXISTING OPENING, SEE ARCH.



KEY PLAN
NO SCALE

USCG PROJECT NO. 10925308	CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801	A/E COMPANY: JENSEN YORBA WALL, INC. 907/586-1070 A/E PROJECT NO.: M103020	CONSULTING A/E: RSA ENGINEERING, INC. CORP. #AEC0542 ANCHORAGE, AK 99503
USCG DRAWING NO. 10925308M-103	PROJECT ENGINEER: SMITH, JENNIFER L.	DRAWN BY: NOTESTINE, ALAN	CHECKED BY: WILSON, ADAM
USCG FILENAME 10925308-M-103.DWG	DESIGNED BY: WILSON, ADAM	EDITED BY: WILSON, ADAM	
SHEET 24 OF 37			

REPAIR HANGAR FOR C-130 USCG AIR STATION SITKA SITKA	ALASKA MECHANICAL 1ST FLOOR VENT PLAN
--	---

SHEET ID

M-103

[illegible]

JUNEAU, ALASKA
(907)586-1070
A/E PROJECT NO.:
M1030.20
CONSULTING A/E:
ARSA ENGINEERING, INC. CORP. #AEC542
ANCHORAGE, AK 99503

DRAWN BY: THOMPSON, COLIN
CHECKED BY: WILSON, ADAM

JUNEAU, AK 99801
PROJECT ENGINEER: SMITH, JENNIFER L.
DESIGNED BY: WILSON, ADAM
EDITED BY: WILSON, ADAM

USCG DRAWING NO.
10925308M-104
USCG FILENAME
10925308-M-104.DWG
SHEET 28 OF 40

USCG AIR STATION SITKA

SITKA

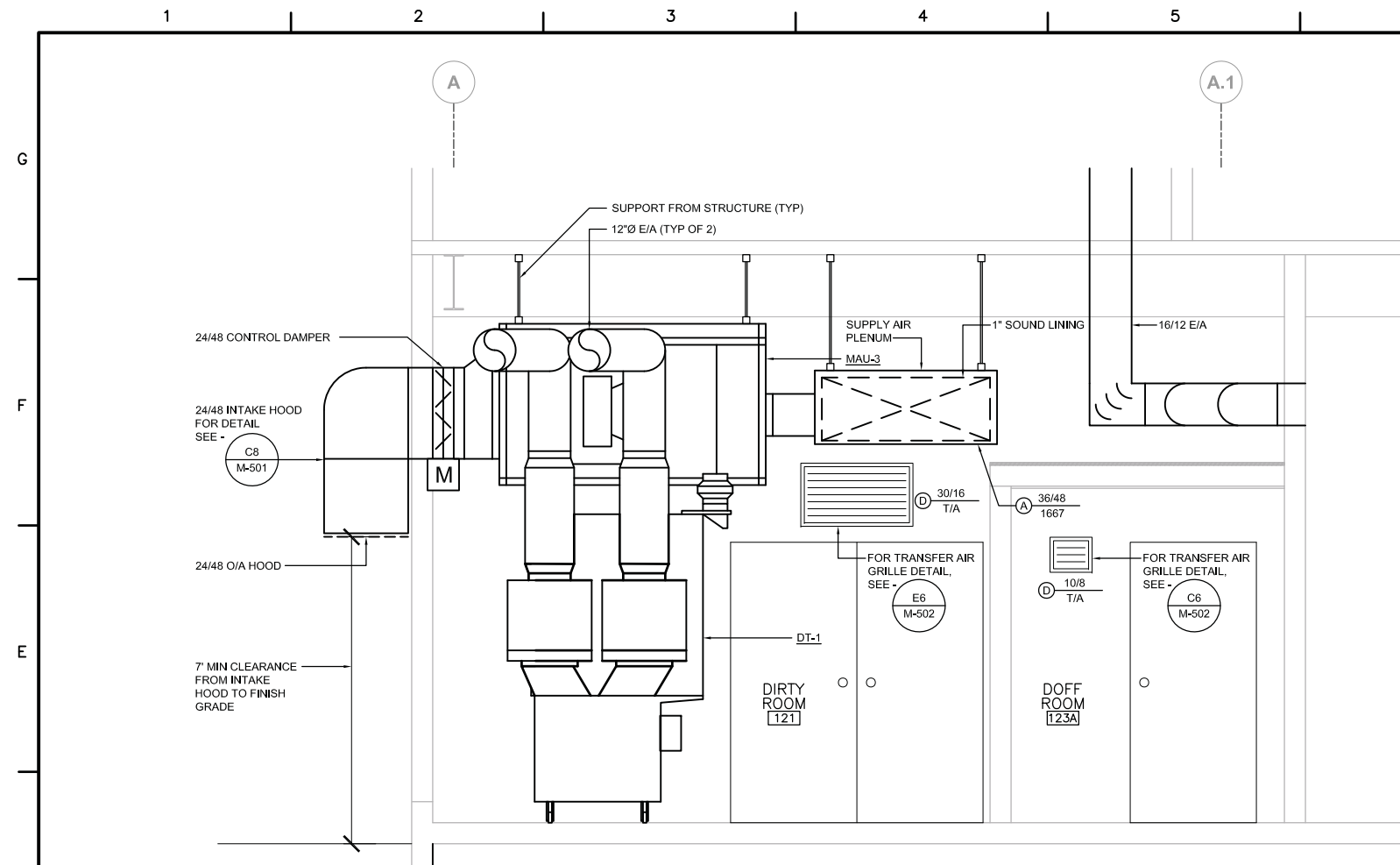
ALASKA

MECHANICAL

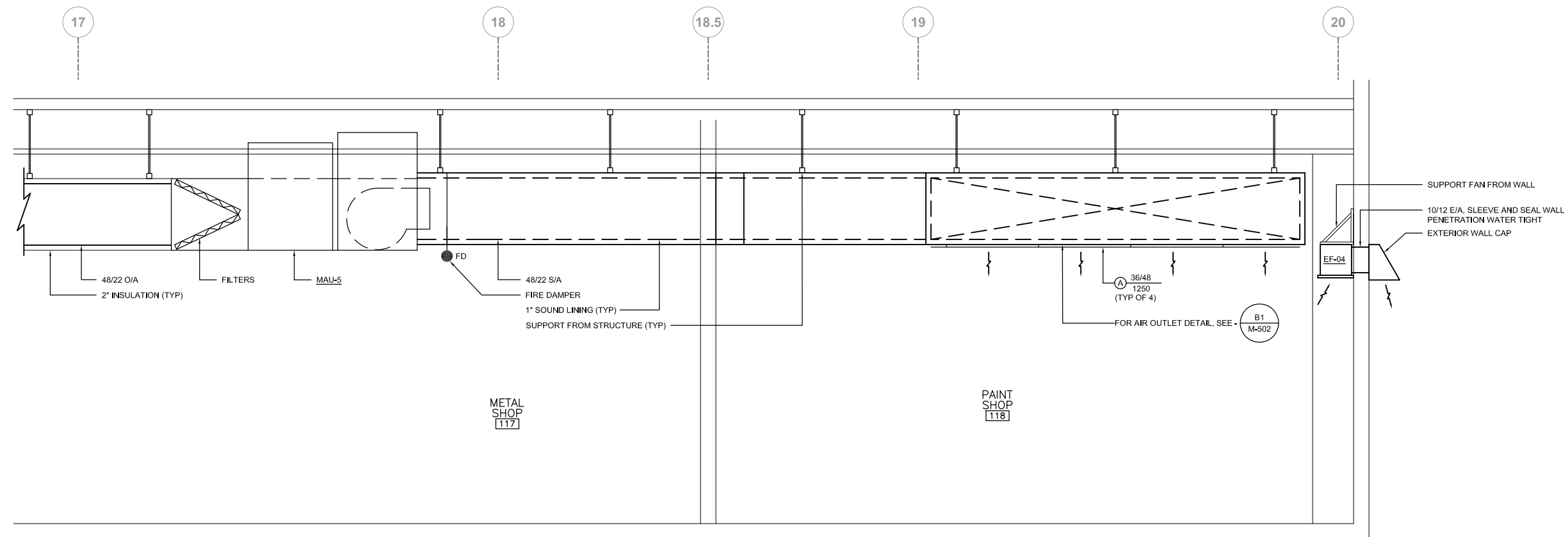
2ND FLR&ROOF VENT PLAN

SHEET ID

1-104 J



(D1) DIRTY ROOM 121 VENTILATION SECTION 1
SCALE: 1/2" = 1'-0"



A1 MAU-5 SECTION
SCALE: 1/2" = 1'-0"

[illegible]

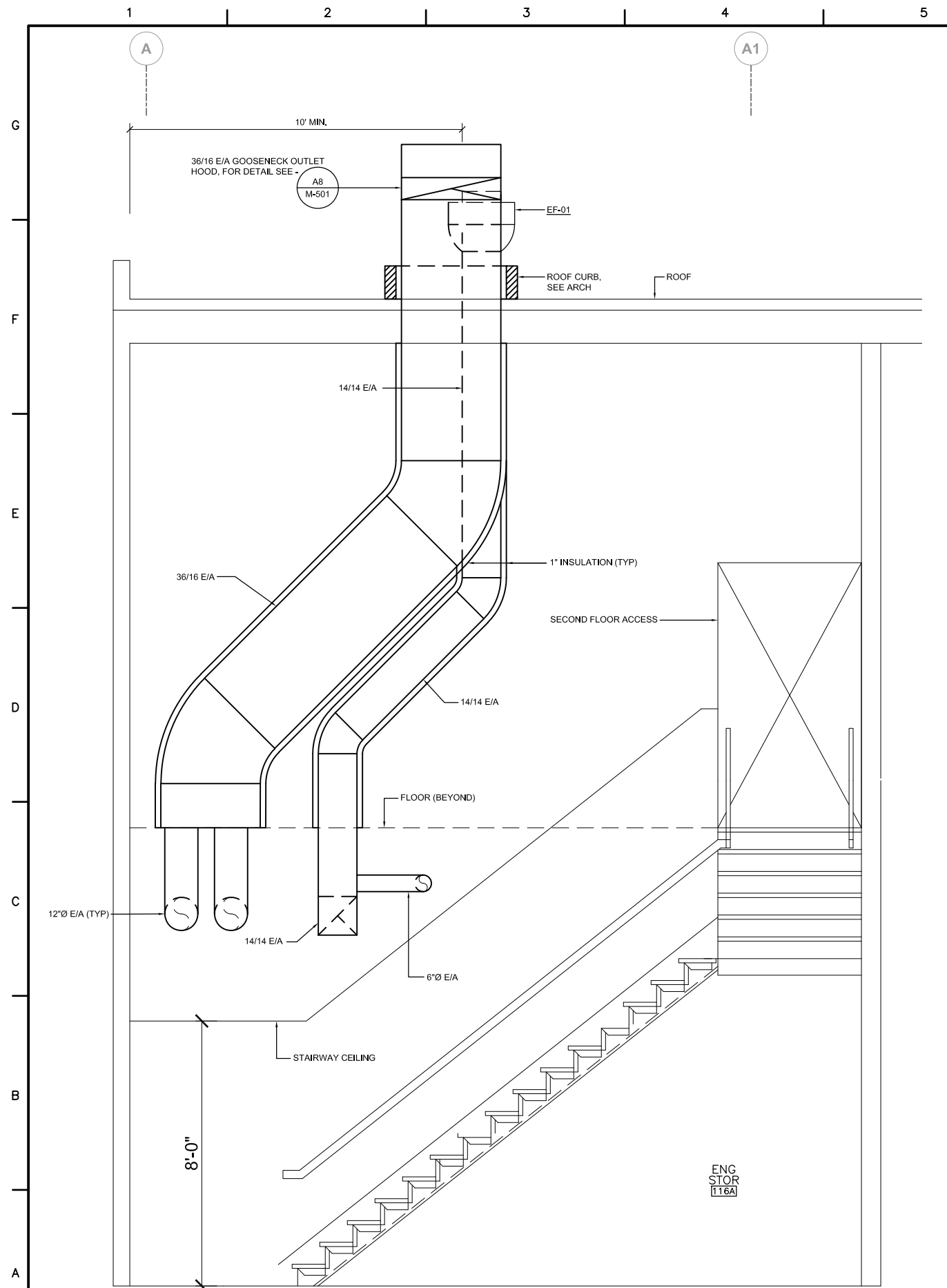
A/E COMPANY: JENSEN YORBA WALL, INC. JUNEAU, ALASKA (907)586-1070 A/E PROJECT NO.: M1030.20	CONSULTING A/E: VERSA ENGINEERING, INC. CORP. #AEC0542 ANCHORAGE, AK 99503
---	---

CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801	DESIGNED BY: WILSON, ADAM	DRAWN BY: NOTESTINE, ALAN
PROJECT ENGINEER: SMITH, JENNIFER L.	EDITED BY: WILSON, ADAM	CHECKED BY: WILSON, ADAM

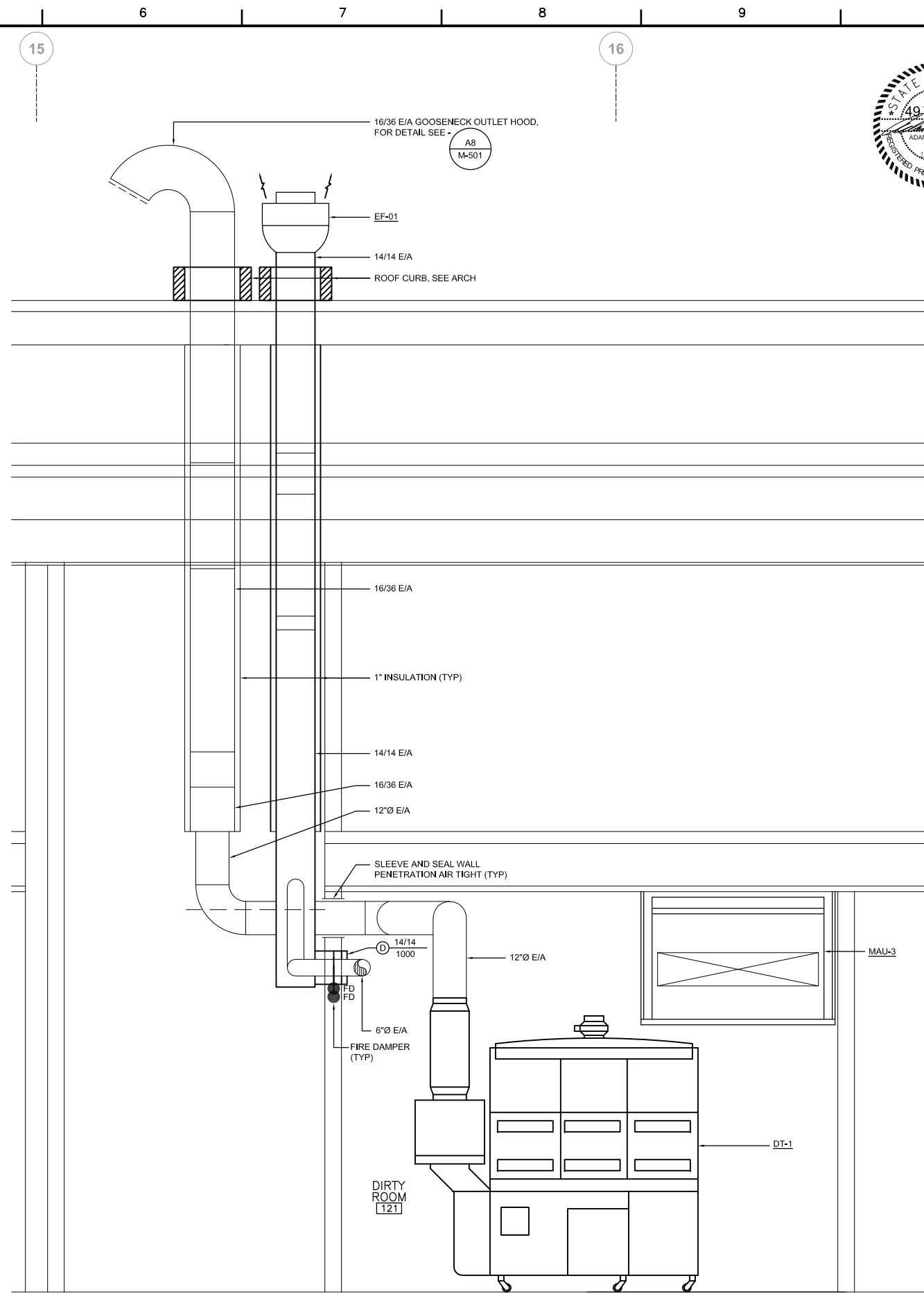
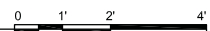
USCG PROJECT NO. 10925308
USCG DRAWING NO. 10925308M-301
USCG FILENAME 10925308-M-301.DWG
SHEET 26 OF 37

REPAIR HANGAR FOR CrV MGMT USCG AIR STATION SITKA SITKA	ALASKA
MECHANICAL SECTIONS	

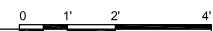
SHEET ID
M-301



A1 STAIRWAY SECTION
1/2" = 1'-0"



A6 DIRTY ROOM VENTILATION SECTION 2
1/2" = 1'-0"



MARK	DESCRIPTION	DATE	SCALE: AS SHOWN

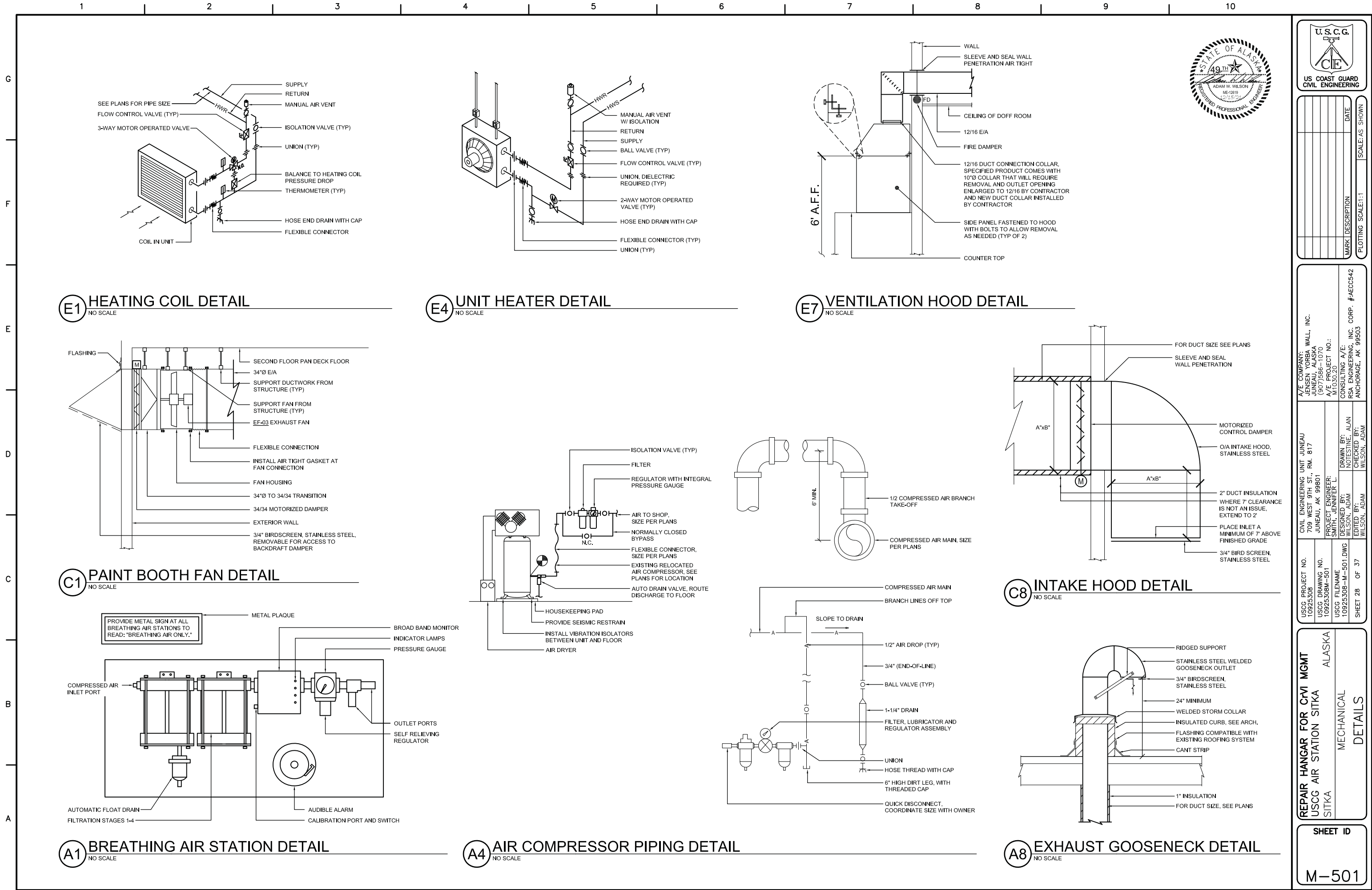
A/E COMPANY:
JENSEN YORBA WALL, INC.
JUNEAU, AK 99801
(907) 586-1070
A/E PROJECT NO.:
M103020
CONSULTING A/E:
RSA ENGINEERING, INC. CORP. #AEC0542
ANCHORAGE, AK 99503

CIVIL ENGINEERING UNIT JUNEAU
709 WEST 9TH ST., RM. 817
JUNEAU, AK 99801
PROJECT ENGINEER:
SMITH, JENNIFER L.
DESIGNED BY:
WILSON, ADAM
DRAWN BY:
NOTESTINE, ALAN
CHECKED BY:
WILSON, ADAM

USCG PROJECT NO.
10925308
USCG DRAWING NO.
10925308-M-302
USCG FILENAME
10925308-M-302.DWG
SHEET 27 OF 37

REPAIR HANGAR FOR C-130
USCG AIR STATION SITKA
SITKA
ALASKA
MECHANICAL
SECTIONS

SHEET ID
M-302



US COAST GUARD
CIVIL ENGINEERING

MARK	DESCRIPTION	DATE	SCALE
			AS SHOWN

USCG PROJECT NO.
10925308

USCG DRAWING NO.
10925308M-501

USCG FILENAME
10925308-M-501.DWG

SHEET 28 OF 37

CIVIL ENGINEERING UNIT JUNEAU
709 WEST 9TH ST., RM. 817
JUNEAU, AK 99801
A/E PROJECT NO.:
M103020

DESIGNED BY:
WILSON, ADAM

DRAWN BY:
NOTESTINE, ALAN

CHECKED BY:
WILSON, ADAM

A/E COMPANY:
JENSEN YORBA WALL, INC.
1000 W. 10TH AVE.
ANCHORAGE, AK 99503
A/E PROJECT NO.:
M103020

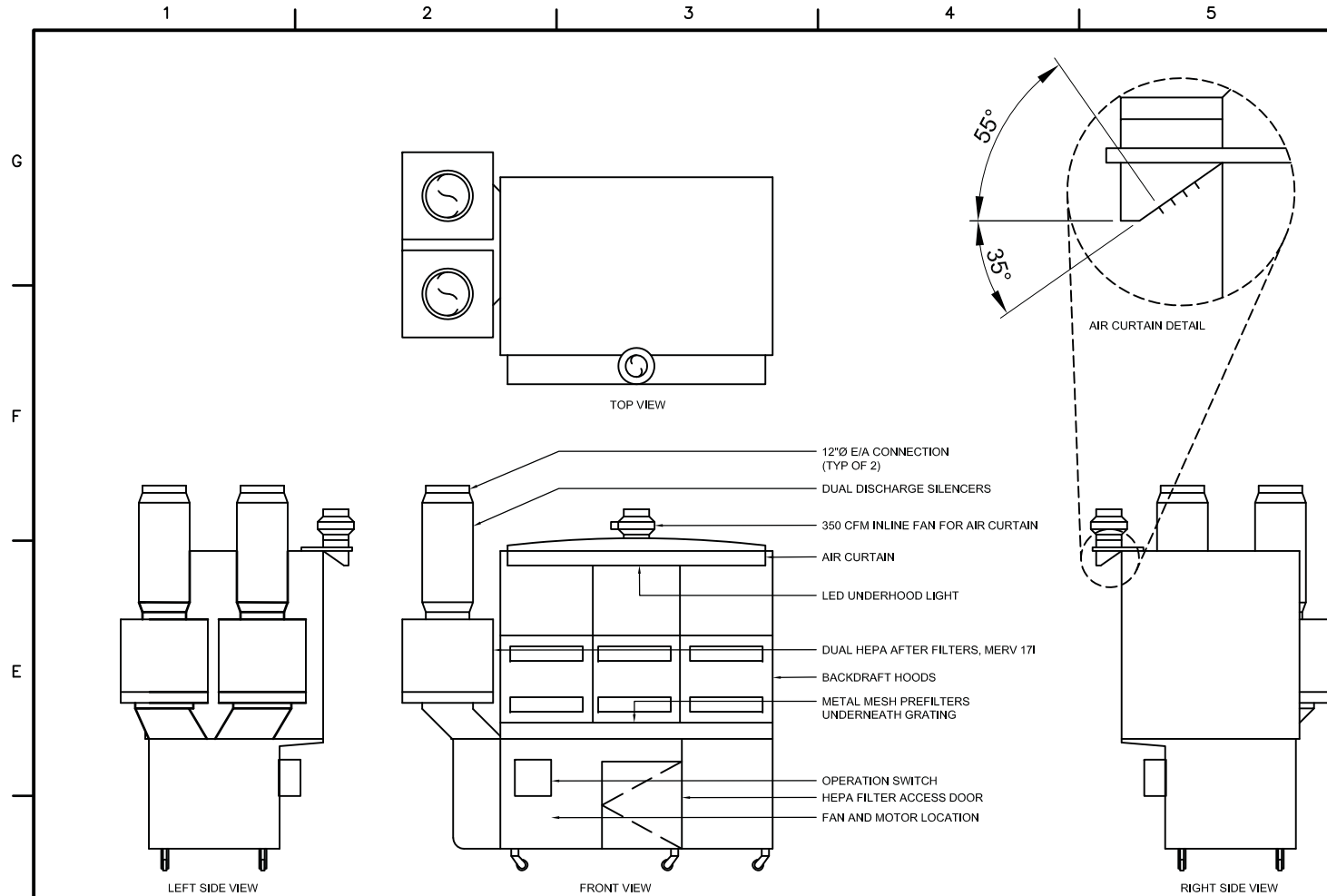
CONSULTING A/E:
RSA ENGINEERING, INC. CORP.
ANCHORAGE, AK 99503

REPAIR HANGAR FOR C-130
USCG AIR STATION SITKA
SITKA

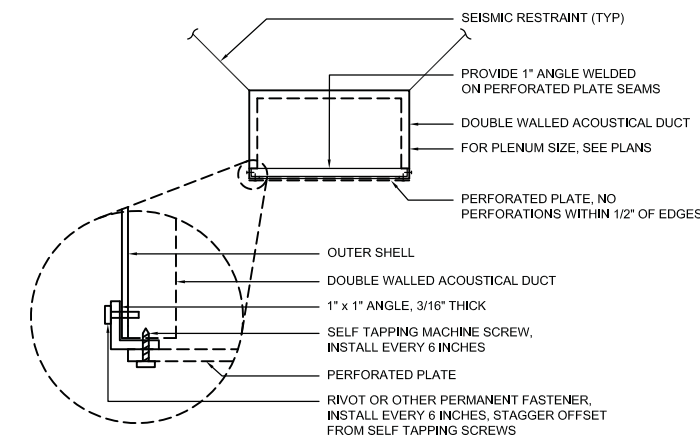
ALASKA

MECHANICAL
DETAILS

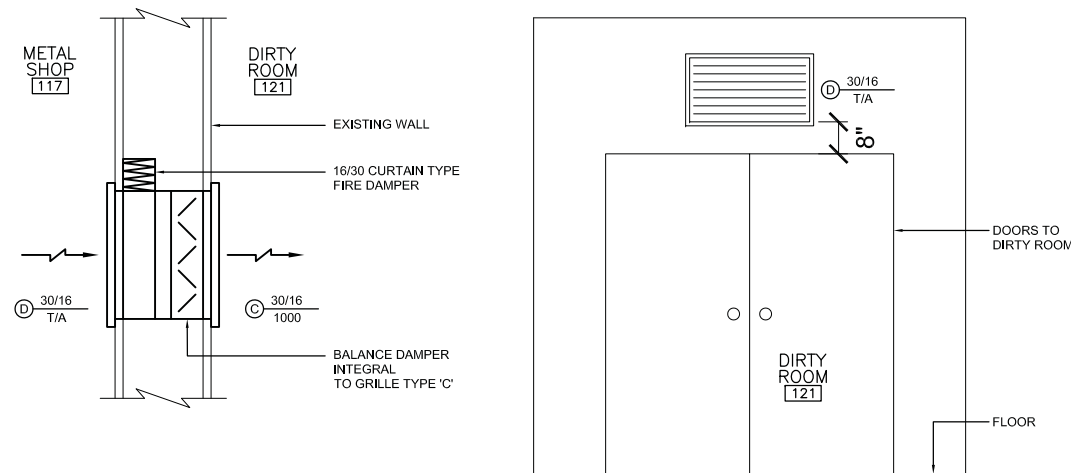
SHEET ID
M-501



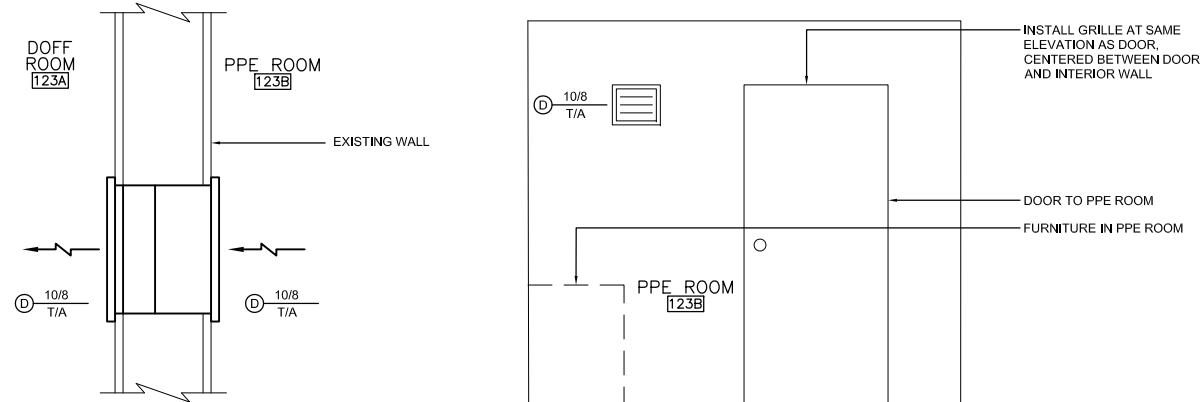
D1 AIR CURTAIN DETAIL
NO SCALE



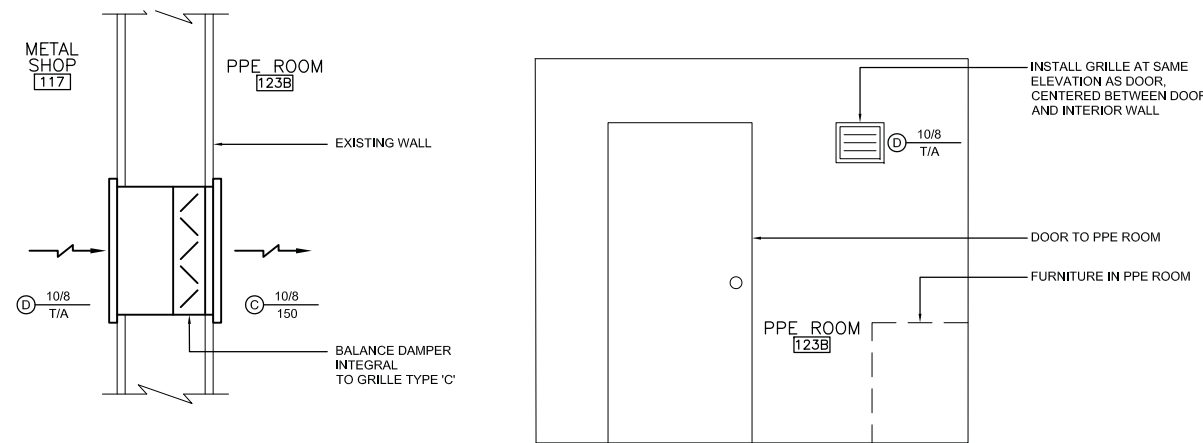
B1 PERFORATED GRILLE DETAIL
NO SCALE



E6 METAL SHOP TO DIRTY ROOM T/A DETAIL
NO SCALE



C6 PPE ROOM TO DOFF ROOM T/A DETAIL
NO SCALE



A6 METAL SHOP TO PPE ROOM T/A DETAIL
NO SCALE



MARK	DESCRIPTION	DATE	SCALE: AS SHOWN

USCG PROJECT NO. 10925308	CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801	A/E COMPANY: JENSEN YORBA WALL, INC. JUNEAU, AK (907) 586-1070	CONSULTING A/E: RSA ENGINEERING, INC. CORP. ANCHORAGE, AK 99503
USCG DRAWING NO. 10925308-M-502	PROJECT ENGINEER: SMITH, JENNIFER L.	A/E PROJECT NO.: M103020	DESIGNED BY: WILSON, ADAM
USCG FILENAME 10925308-M-502.DWG	DESIGNED BY: WILSON, ADAM	DRAWN BY: NOTESTINE, ALAN	CHECKED BY: WILSON, ADAM
SHEET 29 OF 37			

REPAIR HANGAR FOR CVI MGMT USCG AIR STATION SITKA SITKA	ALASKA	MECHANICAL DETAILS
---	--------	-----------------------

SHEET ID
M-502

G

F

E

D

C

B

A

[illegible]

CONTROL POINT ABBREVIATIONS:

DIRTY ROOM (DT-1, MAU-3, EF-01)	
CONTROL POINT	DESCRIPTION
AI	SUPPLY AIR TEMPERATURE
AI	FILTER DIFFERENTIAL PRESSURE
AI	DIRTY ROOM DIFFERENTIAL PRESSURE
AO	HEATING VALVE
BI	LOW TEMPERATURE ALARM
BI	SUPPLY FAN STATUS
BI	SUPPLY FAN VFD FAULT
BI	EXHAUST FAN STATUS
BI	DOWNDRAFT TABLE FAN STATUS
BO	SUPPLY FAN START/STOP
BO	EXHAUST FAN START/STOP
BO	CONTROL DAMPER
ALARMS:	
BV	LOW SUPPLY AIR TEMPERATURE (MAU-3)
BV	HIGH SPACE PRESSURE
BV	LOW SPACE PRESSURE
BV	SUPPLY FAN FAIL
BV	SUPPLY FAN VFD FAULT
BV	EXHAUST FAN FAIL
BV	DOWNDRAFT TABLE FAN FAIL
BV	DIRTY FILTER
PAINT SHOP (MAU-5, EF-03, EF-04)	
CONTROL POINT	DESCRIPTION
AI	SUPPLY AIR TEMPERATURE
AI	FILTER DIFFERENTIAL PRESSURE
AI	PAINT ROOM DIFFERENTIAL PRESSURE
BI	LOW TEMPERATURE ALARM
BI	SUPPLY FAN STATUS
BI	EXHAUST FAN STATUS
BI	PROPANE SEISMIC VALVE STATUS
BO	CONTROL DAMPER (MAU-5)
BO	CONTROL DAMPER (EF-03)
BO	EXHAUST FAN START/STOP
ALARMS:	
BV	LOW SUPPLY AIR TEMPERATURE
BV	SUPPLY FAN FAIL
BV	EXHAUST FAN FAIL (EF-03, EF-04)
BV	DIRTY FILTER
BV	PROPANE SEISMIC VALVE
BV	PAINT SHOP HIGH PRESSURE
BV	PAINT SHOP LOW PRESSURE
	CLEAN ROOM (EF-02)
CONTROL POINT	DESCRIPTION
AI	CLEAN ROOM DIFFERENTIAL PRESSURE
BI	EXHAUST FAN STATUS
BO	EXHAUST FAN START/STOP
ALARMS:	
BV	EXHAUST FAN FAIL
BV	CLEAN ROOM HIGH PRESSURE
BV	CLEAN ROOM LOW PRESSURE

SEQUENCE OF OPERATIONS:

- DIRTY ROOM 121 AND DOFF ROOM 123A (DT-1, MAU-3, EF-01):
 - a. EF-01 WILL OPERATE CONTINUOUSLY TO MAINTAIN DIRTY ROOM AT -0.05" W.C. WITH RESPECT TO METAL SHOP 117.
 - b. EF-01 WILL OPERATE CONTINUOUSLY TO MAINTAIN DOFF ROOM AT -0.02" W.C. WITH RESPECT TO DIRTY ROOM.
 - c. DT-1 SHALL BE MANUALLY STARTED FROM THE ON/OFF SWITCH MOUNTED ON THE UNIT.
 - d. MAU-3 OPERATES WHEN DT-1 IS OPERATING.
 - e. MAU-3 AND DT-1 WILL BE ENABLED WHEN MAU-3 CONTROL DAMPER IS COMPLETELY OPEN.
 - f. MAU-3 VFD WILL MODULATE SPEED TO MAINTAIN DIRTY ROOM 121 SPACE PRESSURE AT -0.05" W.C. WITH RESPECT TO METAL SHOP 117.
 - g. MAU-3 HEATING COIL WILL MODULATE TO PROVIDE 65°F (ADJUSTABLE) AIR TO THE ROOM.
 - h. IF THE SUPPLY AIR FALLS BELOW 38°F FOR MORE THAN 45 SECONDS:
 - DT-1 AND MAU-3 FANS WILL BE DISABLED
 - MAU-3 OUTSIDE AIR DAMPER WILL CLOSE
 - MAU-3 HEATING COIL VALVE WILL OPEN 100%
 - PROVIDE AUTOMATIC RESET
 - i. WHEN MAU-3 IS OFF THE HEATING COIL THREE WAY VALVE SHALL MODULATE TO MAINTAIN SPACE UNOCCUPIED SET POINT OF 55°F (ADJUSTABLE).
 - j. WHEN MAU-3 STARTS, THE HEATING COIL SHALL GO TO 100% OPEN BEFORE MODULATING TO SET POINT, AND THE SUPPLY FAN SHALL TAKE 30 SECONDS TO RAMP UP TO FULL SPEED.
 - k. ALARMS:
 - MAU-3 LOW DISCHARGE AIR TEMPERATURE
 - MAU-3 DIRTY FILTER
 - MAU-3 FAN FAIL
 - MAU-3 VFD FAULT
 - DT-1 FAN FAIL
 - EF-01 FAIL
 - DIRTY ROOM HIGH/LOW SPACE PRESSURE
 - DOFF ROOM HIGH/LOW SPACE PRESSURE
2. CLEAN ROOM 120 (EF-02):
 - a. EF-02 WILL OPERATE CONTINUOUSLY AT LOW SPEED TO MAINTAIN SPACE AT 0.02-0.05" W.C. WITH RESPECT TO METAL SHOP 117.
 - b. TIMER SWITCH ON WALL WILL SWITCH FAN TO HIGH SPEED FOR THE DURATION OF TIME SET BY THE TIMER.
 - c. ALARMS:
 - EF-02 FAIL
 - CLEAN ROOM HIGH/LOW SPACE PRESSURE
3. PAINT SHOP (MAU-5, EF-03, EF-04):
 - a. EF-04 WILL OPERATE CONTINUOUSLY TO MAINTAIN PAINT SHOP 118 AT -0.05" W.C. WITH RESPECT TO METAL SHOP 117.
 - b. MAU-5 WILL BE MANUALLY ACTIVATED BY A WALL-MOUNTED CONTROLLER FROM THE MANUFACTURE.
 - c. EF-03 WILL BE INTERLOCKED TO OPERATE WITH MAU-5.
 - d. MAU-5 AND EF-03 WILL BE ENABLED WHEN BOTH CONTROL DAMPERS ARE COMPLETELY OPEN.
 - e. WHEN THE UNIT IS 'ON' THE FACTORY MOUNTED CONTROLS WILL MODULATE THE UNIT'S PROPANE BURNER TO MAINTAIN A 75°F SUPPLY AIR TEMPERATURE (ADJUSTABLE) TO THE ROOM.
 - f. IF THE SUPPLY AIR FALLS BELOW 38°F FOR MORE THAN 45 SECONDS:
 - MAU-5 AND EF-03 FANS WILL BE DISABLED
 - THE OUTSIDE AIR DAMPER WILL CLOSE
 - PROVIDE AUTOMATIC RESET
 - g. ALARMS:
 - MAU-5 LOW DISCHARGE AIR TEMPERATURE
 - MAU-5 DIRTY FILTER
 - MAU-5 FAN FAIL
 - EF-03 FAIL
 - EF-04 FAIL
 - PAINT SHOP HIGH/LOW SPACE PRESSURE
 - SEISMIC VALVE

A/E COMPANY:
JENSEN YORBA WALL, INC.

(907) 386-1070
A/E PROJECT NO.: 1407000

CONSULTING A/E:
CSA ENGINEERING

CIVIL ENGINEERING UNIT JUNEAU
709 WEST 9TH ST.: RM. 817

PROJECT ENGINEER:

DESIGNED BY: WILSON, ADAM	DRAWN BY: NOTESTINE, ALA
------------------------------	-----------------------------

USCG PROJECT NO.
10925308

10925308M-602

10925308-M-602.1

SHEET 31 OF 37

REPAIR HANGAR FOR CrVI MGMT

SITKA

SEQUENCE OF OPERATIONS

SHEET ID

M-602

FAN SCHEDULE

						TSP		MOTOR DATA				
SYMBOL	MANUFACTURER	MODEL	TYPE	SERVICE	CFM	IN W.C.	RPM	POWER	VOLTS/PH	DRIVE	SONES	REMARKS
EF-01	GREENHECK	CUE-120-VG	CENTRIFUGAL	DIRTY RM/DOFF RM	1150	0.35	1,166	1/4 HP	120/1	DIRECT	8.6	ROOF MOUNTED FAN, ECM MOTOR WITH INTEGRAL SPEED CONTROL FOR BALANCING, UP-BLAST CONFIGURATION.
EF-02	GREENHECK	CUE-160-VG	CENTRIFUGAL	CLEAN ROOM	1,800	0.35	817	1/2 HP	120/1	DIRECT	8.1	ROOF MOUNTED FAN, ECM MOTOR WITH INTEGRAL SPEED CONTROL FOR BALANCING, UP-BLAST CONFIGURATION.
EF-03	SPRAY SYSTEMS	I-1287-FD	VANE AXIAL	PAINT BOOTH	9,600	0.875	1,248	3 HP	208/3	BELT	--	NON-SPARKING FAN BLADE, MOTOR AND DRIVE ASSEMBLY OUT OF AIRSTREAM, PROVIDE SPARE BELTS.
EF-04	GREENHECK	SP-A710	CENTRIFUGAL	PAINT SHOP	500	0.25	901	588 WATTS	120/1	DIRECT	3.5	CEILING MOUNT, WHITE STEEL INLET GRILLE, INTEGRAL OUTLET BACKDRAFT DAMPER, PROVIDE WITH VIBRATION ISOLATORS FROM MANUFACTURE AND HOUSING MOUNTED FAN SPEED CONTROLLER.

HEATING COIL SCHEDULE

						AIR P.D.	FACE VEL.	EAT	LAT			EWT	LWT	WPD	
SYMBOL	MANUFACTURER	MODEL	CAPACITY (MBH)	SIZE	CFM	IN. W.C.	FPM	DEG F	DEG F	GPM	MEDIUM	DEG F	DEG F	FT HD	REMARKS
HC-1	DAIKIN	5WH0802B	320.3	46"L X 33"H	4,800	0.14	455	15	76	12.6	WATER	180	130	1.0	COIL PROVIDED WITH MAU-3, PROVIDE WITH 3-WAY VALVE AND FREEZE STAT ON LEAVING AIR SIDE OF COIL.

HYDRONIC HEAT MAKE UP AIR UNIT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	AREA SERVED	COIL TAG	FAN				TSP / ESP	FILTERS		MOTOR DATA		REMARKS
					SIZE	TYPE	CFM	ARRANGEMENT	IN. W.C.	SQ. FT.	EFFICIENCY	HP	VOLTS/PH	
MAU-3	DAIKIN	CAH012GHGM	DIRTY ROOM	HC-1	20"	CENT.	4,800	DRAW THROUGH	1.46/0.6	13.1	MERV-13	3	208/3	100% OUTSIDE AIR, CEILING MOUNTED, RIGHT HAND FAN AND COIL ACCESS, LEFT HAND FILTER ACCESS, STAINLESS STEEL DRAIN PAN IN MIXING BOX AND FILTER SECTION, VFD WITH INTEGRAL DISCONNECT PROVIDED BY CONTROL CONTRACTOR.

FUEL FIRED MAKE-UP AIR UNIT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	AREA SERVED	FUEL	MAX CAPACITY INPUT(MBH)	MAX. TEMP. RISE	FAN		MOTOR DATA		
							CFM	ESP	HP	VOLTS/PH	
MAU-5	WEATHER-RITE	ARTT 215 HHL INDOOR	PAINT SHOP	PROPANE	1,004	100 DEG F	9,300	0.25	5	208/3	100% OUTSIDE AIR, CEILING MOUNTED, INTEGRAL FILTER SECTION, BURNER CONTROLS INTEGRAL TO UNIT, REMOTE OPERATING PANEL WITH "SUMMER/OFF/WINTER", BLOWER/BURNER/FLAME FAIL LIGHTS, DISCHARGE AIR TEMPERATURE SELECTION DIAL, BELT DRIVE, PROVIDE SPARE BELTS.

AIR INLET/OUTLET SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	USE	MATERIAL	FINISH	CFM	FACE SIZE (IN.)	NC	REMARKS
A	CONTRACTOR	--	CEILING	S/A	ALUMINUM	MILL.	PER PLANS	48" x 36"	<40	CONTRACTOR-FABRICATED PERFORATED METAL SHEET WITH 5/16"Ø HOLES DRILLED ON 7/16" CENTERS, ATTACH TO SUPPLY AIR PLENUM WITH HARDWARE TO ALLOW REMOVAL OF SHEET, SEE SPECIFICATIONS FOR METAL GAUGES.
B	TITUS	50F	CEILING	E/A	ALUMINUM	WHTIE	PER PLANS	12"x12"	<35	LAY-IN LOUVER, PROVIDE W/EARTHQUAKE TABS.
C	TITUS	350RL	WALL	T/A	STEEL	WHITE	PER PLANS	PER PLANS	<35	INTEGRAL OPPOSED BLADE BALANCING DAMPER, WALL-MOUNT FRAME WITH RECESSED SCREW HOLES, STATIONARY BLADES AT 30-DEGREE ANGLE.
D	TITUS	350RL	WALL	T/A	STEEL	WHITE	PER PLANS	PER PLANS	<35	WALL-MOUNT FRAME WITH RECESSED SCREW HOLES, STATIONARY BLADES AT 30-DEGREE ANGLE.
E	TITUS	T700L	DOOR	T/A	STEEL	PER ARCH	PER PLANS	PER PLANS	<35	GRILLE FOR INSTALLATION IN DOOR, PROVIDE WITH FRAMES FOR BOTH SIDES OF DOOR, PROVIDE CHART OF STANDARD COLOR FINISHES FOR SELECTION.

DOWNDRAFT TABLE SCHEDULE

						ESP/TSP	MOTOR DATA				
SYMBOL	MANUFACTURER	MODEL	FAN TYPE	SERVICE	CFM	IN W.C.	POWER	VOLTS/PH	MAX AMPS	DRIVE	REMARKS
DT-1	DIVERSITECH	DD 3X6 EO-CAW	CENTRIFUGAL	DIRTY ROOM	4800	0.75/4.75	10 HP	208/3 **	11.3	DIRECT	THE DOWNDRAFT TABLE IS GOVERNMENT PROVIDED EQUIPMENT EXISTING ON SITE TO BE INSTALLED BY THE CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE TO ORDER A CUSTOM AIR CURTAIN KIT FROM THE MANUFACTURER REFERENCING QUOTATION NUMBER 021Q16644, AIR CURTAIN KIT INCLUDES LINEAR GRILLE, AIR PLENUM, MOUNTING HARDWARE, AND INLINE FAN MODEL VTx600 MANUFACTURED BY VORTEX POWERFANS, 350 CFM @ 0.75" W.C., 140 WATTS/120V/1PH, TO BE INSTALLED BY CONTRACTOR. ** EXISTING UNIT ON SITE PROVIDED AS 460 VOLTS, 3-PHASE POWER. CONTRACTOR SHALL ORDER AND INSTALL NEW MOTOR AND CONTROL PANEL FROM DOWNDRAFT TALBE MANUFACTURER TO CONVERT TO 208 VOLTS, 3-PHASE POWER. DOWNDRAFT TABLE MANUFACTURER CONTACT: DARIN DULLUM, ABSOLENT AMERICAS, (919) 488-5195.

UNIT HEATER SCHEDULE

			CAPACITY			EWT	LWT	WPD			MOTOR DATA		
SYMBOL	MANUFACTURER	MODEL	MBH	MEDIUM	GPM	DEG F	DEG F	FT HD	CFM	RPM	HP	POWER	REMARKS
UH-1	MODINE	HC-18	9,200	WATER	1.5	180	160	0.7	340	1,550	1/60	120V/1PH	PROPELLER FAN SIDE CONNECTIONS, PROVIDE WITH ISOLATORS FROM MANUFACTURER, SUSPEND FROM STRUCTURE.
UH-2	MODINE	HC-18	9,200	WATER	1.5	180	160	0.7	340	1,550	1/60	120V/1PH	PROPELLER FAN SIDE CONNECTIONS, PROVIDE WITH ISOLATORS FROM MANUFACTURER, SUSPEND FROM STRUCTURE.
UH-3	MODINE	HC-18	9,200	WATER	1.5	180	160	0.7	340	1,550	1/60	120V/1PH	PROPELLER FAN SIDE CONNECTIONS, PROVIDE WITH ISOLATORS FROM MANUFACTURER, SUSPEND FROM STRUCTURE.

VENTILATION HOOD SCHEDULE

SYMBOL	MANUFACTURER	MODEL	CFM	MATERIAL	SIZE (L X W)	DUCT CONNECTION SIZE	REMARKS
VH-1	HEMCO	13060	1,800	FIBERGLASS	72" X 30"	10"Ø	SERVED FROM EF-02. PROVIDE SIDE PANELS WITH REMOVABLE HARDWARE FOR SIDE PANEL REMOVAL.

[illegible]

A/E COMPANY:
JENSEN YORBA WALL, INC.
JUNEAU, ALASKA
(907)586-1070
A/E PROJECT NO.:
M1030.20
CONSULTING A/E:
ANCHORAGE ENGINEERING, INC. CORP. #AEC542
ANCHORAGE, AK 99503

CIVIL ENGINEERING UNIT	JUNEAU
709 WEST 9TH ST.,	RM. 817
JUNEAU, AK 99801	
PROJECT ENGINEER:	
SMITH, JENNIFER L.	
DESIGNED BY:	DRAWN BY:
WILSON, ADAM	WILSON, ADAM
EDITED BY:	CHECKED BY:

USCG PROJECT NO. 10925308
USCG DRAWING NO. 10925308M-603
USCG FILENAME 10925308-M-603.DWG
SHEET 32 OF 37

REPAIR HANGAR FOR C-171 MGMT USCG AIR STATION SITKA SITKA	ALASKA
MECHANICAL	MECHANICAL SCHEDULES

SHEET ID
M-603

GENERAL NOTES

- A. LIGHTING CONTROL WIRING NOT SHOWN BUT SHALL BE PROVIDED BY CONTRACTOR TO COMPLY WITH SPECIFICATIONS, THE CIRCUIT NUMBERS, AND LIGHTING CONTROL SHOWN FOR EACH ROOM.
- B. SEE SHEET E-102 FOR HAZARDOUS BOUNDARY PLANS AND DETAILS. ALL WORK IN THESE AREAS SHALL BE DONE IN STRICT COMPLIANCE WITH ARTICLES 500, 501, 513, AND 516 OF THE NATIONAL ELECTRICAL CODE. PROVIDE SEAL-OFFS ON ALL CONDUIT PENETRATING CLASSIFIED LOCATIONS AS REQUIRED BY CODE.
- C. PROVIDE EXTENSION OF LOCAL LIGHTING CIRCUIT TO NEW LIGHTS IN NEW LOCATIONS. PROVIDE JUNCTION BOXES, CONDUIT, AND WIRE AS REQUIRED.

- D. DIRTY ROOM 121 TO HAVE NEW GYP CEILING INSTALLED, SEE ARCHITECTURAL PLANS. PROVIDE ACCESS HATCH OR RELOCATE ELECTRICAL CIRCUITS AND FEEDERS AS REQUIRED TO MAINTAIN ACCESS PER NEC. FOR BIDDING ASSUME (6) 3/4"C, 4#10 BRANCH CIRCUITS AND (1) 1.25C" 4#2 AND 1#8.

SHEET NOTES

1. COORDINATE LIGHT FIXTURE LOCATIONS IN THIS AREA OUTSIDE OF HAZARDOUS LOCATIONS. SEE SHEET E-102 FOR HAZARDOUS BOUNDARY PLAN AND DETAILS.
2. REROUTE EXISTING CABLE TO RELOCATED DEVICE IN NEW 1"C. COIL EXCESS CABLE AT CEILING.
3. PROVIDE EXTENSION OF EXISTING CIRCUIT TO NEW DEVICE IN NEW LOCATION. PROVIDE JUNCTION BOXES, CONDUIT AND WIRE AS REQUIRED. MOUNT ABOVE HAZARDOUS BOUNDARY.
4. PROVIDE EXTENSION OF EXISTING CIRCUIT TO RELOCATED DEVICE. PROVIDE JUNCTION BOXES, CONDUIT AND WIRE AS REQUIRED.
5. PROVIDE EXTENSION OF EXISTING CIRCUIT TO RELOCATED EQUIPMENT. PROVIDE JUNCTION BOXES, CONDUIT AND WIRE AS REQUIRED.
6. EQUIPMENT PROVIDED WITH INTEGRAL DISCONNECT.
7. PROVIDE RELOCATED EQUIPMENT WITH NEW LOCAL DISCONNECT.
8. PROVIDE EXTENSION OF EXISTING CIRCUIT TO NEW EQUIPMENT IN NEW LOCATION. PROVIDE JUNCTION BOXES, CONDUIT AND WIRE AS REQUIRED.
9. CONNECT EXISTING CIRCUIT TO NEW EQUIPMENT IN EXISTING LOCATION. PROVIDE WIRE AS REQUIRED.
10. ADJUST MOUNTING AND LOCATION OF LIGHT FIXTURES IN THE AREA AS REQUIRED TO ACCOMMODATE EQUIPMENT INDICATED. COORDINATE WITH MECHANICAL.
11. PROVIDE EXTENSION OF UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT, TO CONTROL EXISTING LIGHT, THROUGH NEW LINE-VOLTAGE OCCUPANCY SENSOR MOUNTED AT EXISTING FIXTURE ELEVATION. SENSORWORX #SWX-202-2 OR APPROVED EQUAL.
12. EQUIPMENT INDICATED IS MOUNTED ON ROOF. SEE MECHANICAL.
13. PROVIDE EXTENSION OF EXISTING LIGHTING CIRCUIT TO RELOCATED FIXTURE TO ACCOMMODATE MECHANICAL DUCTING. SEE MECHANICAL PLANS. PROVIDE JUNCTION BOXES, CONDUIT, AND WIRE AS REQUIRED.
14. TIMER SWITCH PROVIDED BY MECHANICAL INSTALLED BY ELECTRICAL. CONNECT TO CONTROL EF-02 AND 120V AIR SOLENOID SUCH THAT AIR IS ONLY AVAILABLE UPON ACTIVATION OF TIMER SWITCH.
15. INTERRUPT EXISTING RECEPTACLE CIRCUIT AND ROUTE THROUGH RELAY AS WELL AS TO 120V SOLENOIDS, SEE MECHANICAL, TO ONLY ALLOW POWER TO RECEPTACLES, AND AIR, WHILE DOWN DRAFT TABLE IS IN OPERATION. THEN CONNECT TO THE TABLE SWITCH IN THE CONTROLLER TO THE RELAY COIL. PROVIDE FUNCTION DEVICE #RIB2401B OR APPROVED EQUAL.



NO.	DATE	SCALE	DESCRIPTION
1	NOV 2022	1:1	100% SUBMITTAL MARK DESCRIPTION

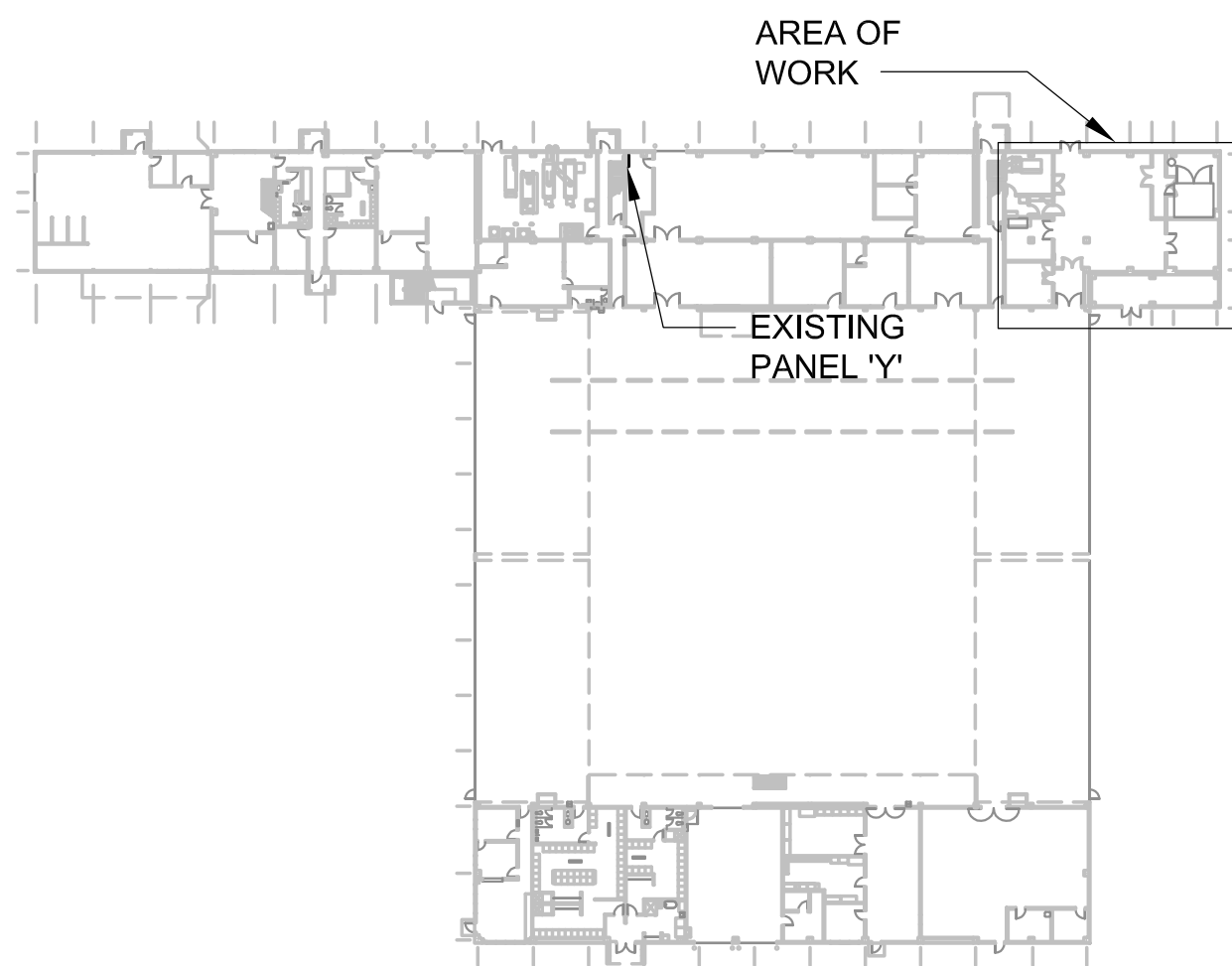
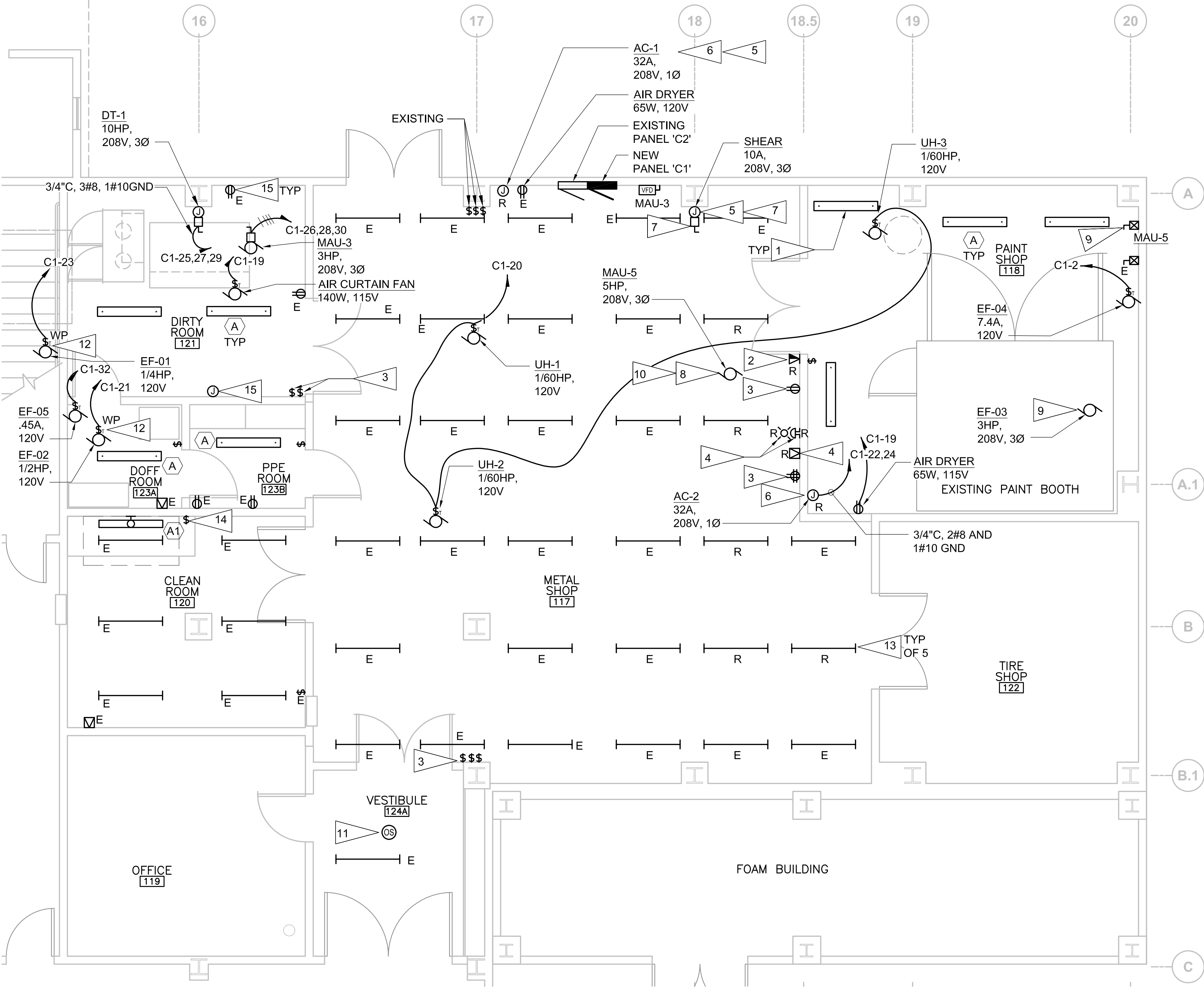
A/E COMPANY:
JENSEN YORBA WALL, INC.
JENSEN YORBA WALL, INC.
709 WEST 9TH ST., RM. 817
JUNEAU, AK 99801
(907) 586-1070
A/E PROJECT NO.:
20055, RSA PROJ. #M1030.20
CONSULTING A/E:
RSA ENGINEERING, INC. CORP. #AEC0542
ANCHORAGE, AK 99503

CIVIL ENGINEERING UNIT JUNEAU
709 WEST 9TH ST., RM. 817
JUNEAU, AK 99801
PROJECT ENGINEER:
SMITH, JENNIFER L.
DESIGNED BY:
COLLINS, PATRICK
EDITED BY:
OLIVER, DAVE

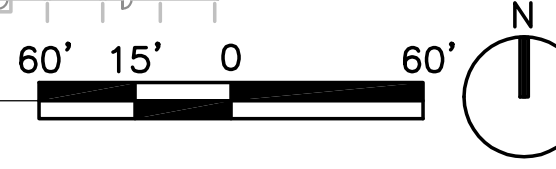
USCG PROJECT NO.
10925308
USCG DRAWING NO.
10925308E-101
USCG FILENAME
10925308-E-101.DWG
SHEET 38 OF 40

Repair Sitka Hangar for Crvi Mgmt
USCG AIR STATION SITKA
SITKA
ALASKA
ELECTRICAL
REMODEL PLAN

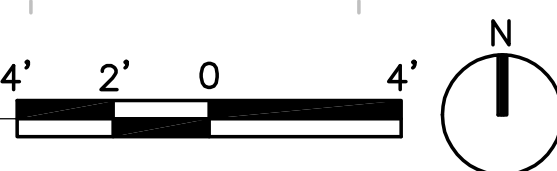
SHEET ID
E-101

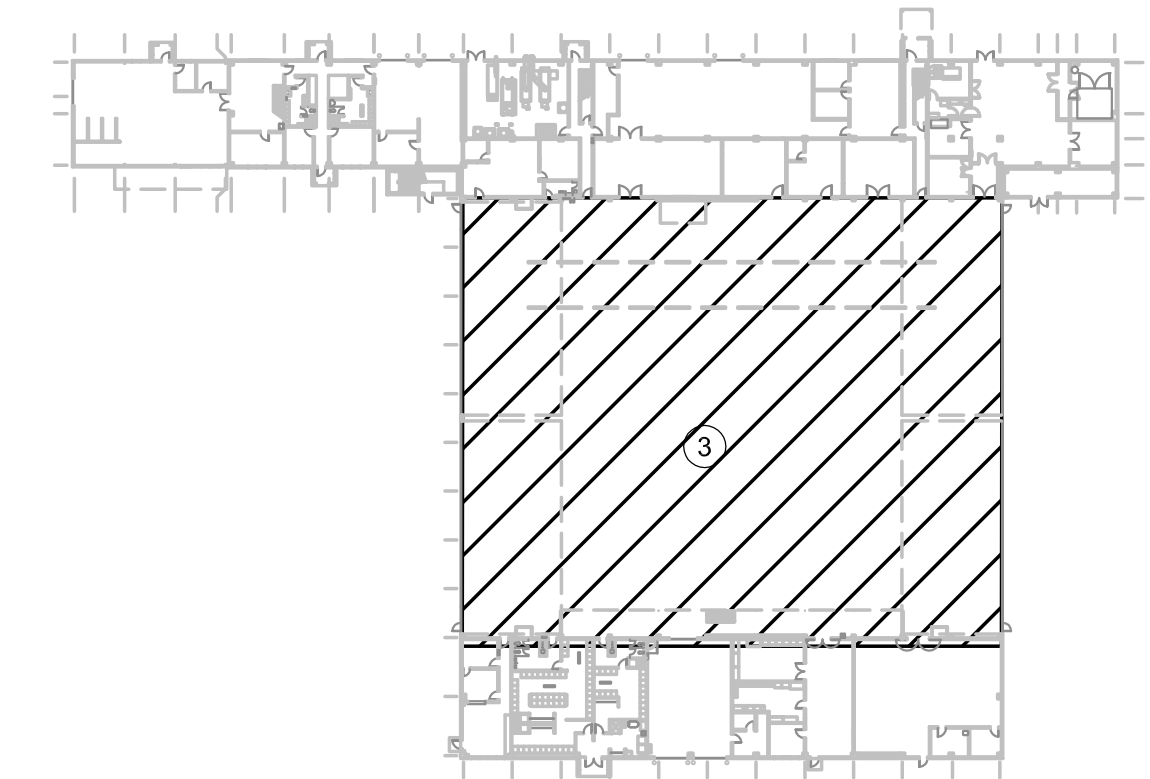
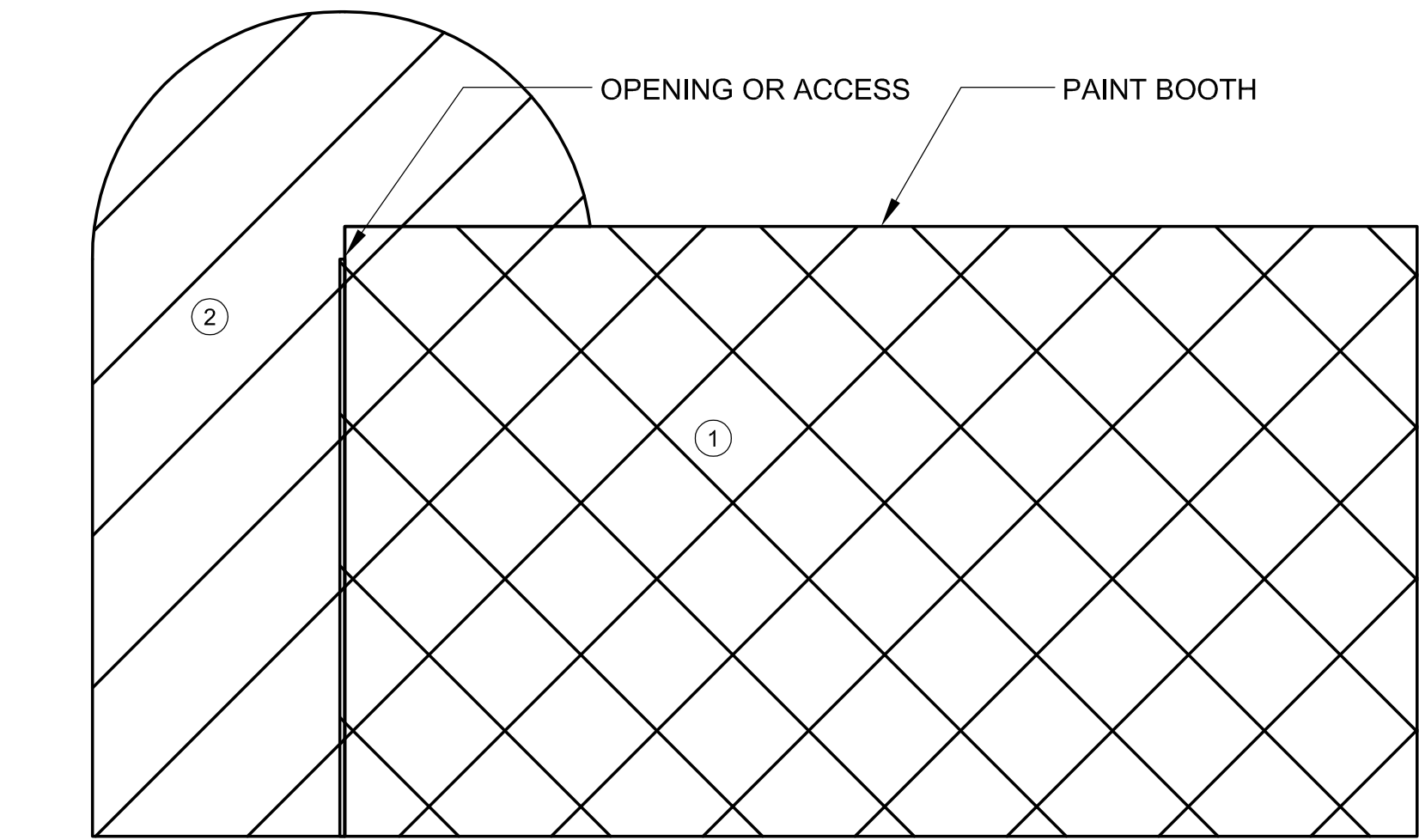
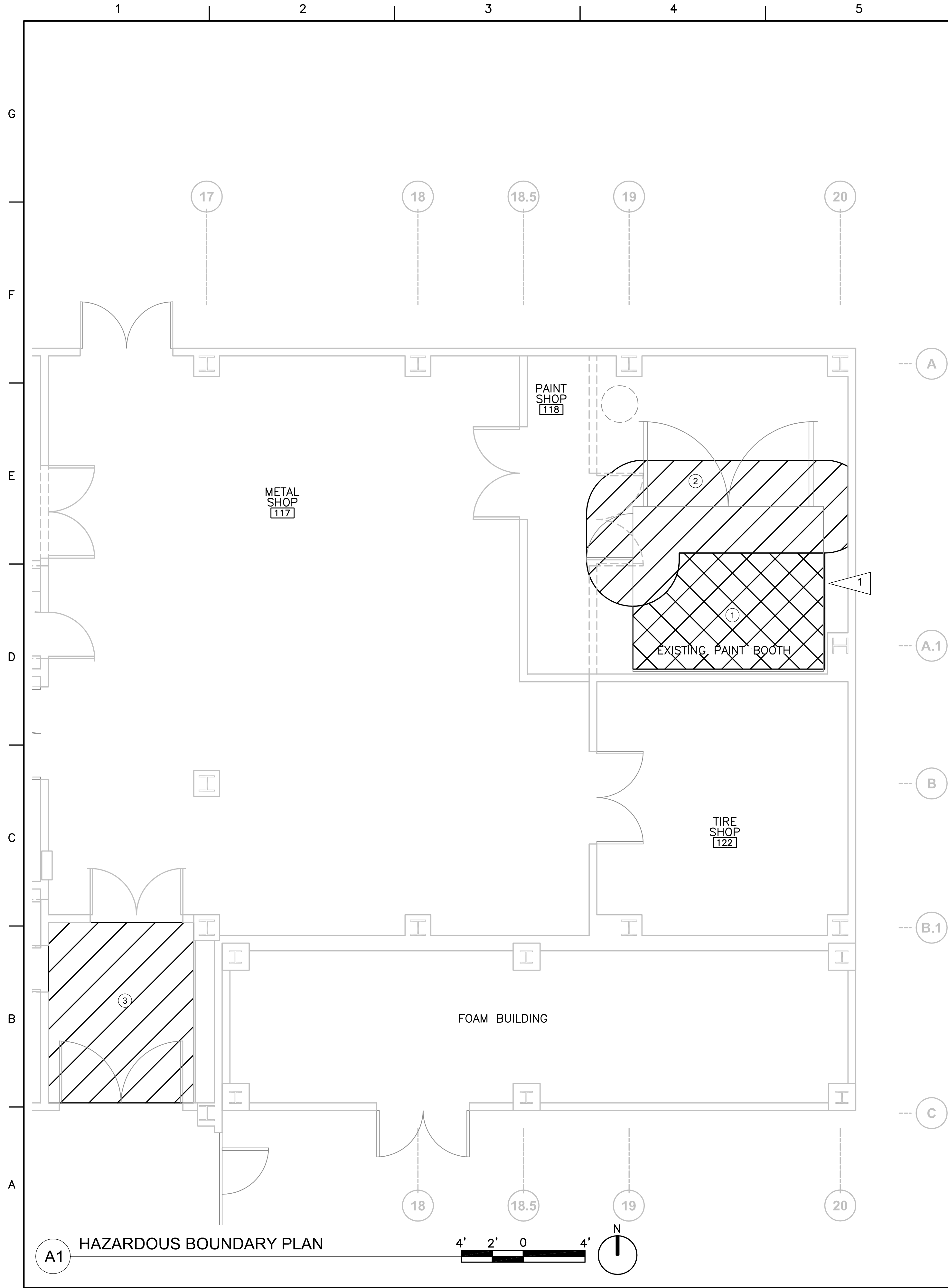


KEYPLAN



A1 ELECTRICAL REMODEL PLAN





HAZARDOUS LOCATION LEGEND

	CLASS 1, DIVISION 1
	CLASS 1, DIVISION 2
	UNCLASSIFIED

SHEET NOTES

- ENTIRE AREA WITHIN FRESH AIR SUPPLY DUCTS TO THE PAINT BOOTH ARE UNCLASSIFIED. ENTIRE AREA WITHIN EXHAUST DUCTS ARE CLASS 1, DIVISION 1 RATED LOCATIONS.

HAZARDOUS LOCATIONS

NO	DESCRIPTION OF LOCATIONS
①	ENTIRE AREA WITHIN THE PAINT BOOTH.
②	WITHIN 3' OF ANY OPENING OR ACCESS OF THE PAINT BOOTH.
③	ENTIRE FLOOR AREA UP TO 18" AFF.



MARK	DESCRIPTION	DATE	SCALE	AS SHOWN
1	100% SUBMITTAL	NOV 2022	PLOTTING SCALE: 1:1	

A/E COMPANY: JENSEN YORBA WALL, INC. JENSEN YORBA WALL, INC. ANCHORAGE, AK 99503 A/E PROJECT NO.: 10925308E-102 A/E PROJECT NO.: 20055, RSA PROJ. #M1030.20 CONSULTING A/E: RSA ENGINEERING, INC. CORP. #AEC0542 ANCHORAGE, AK 99503
--

CIVIL ENGINEERING UNIT JUNEAU 709 WEST 9TH ST., RM. 817 JUNEAU, AK 99801 PROJECT ENGINEER: SMITH, JENNIFER L. DESIGNED BY: COLLINS, PATRICK EDITED BY:	DRAWN BY: COLLINS, PATRICK CHECKED BY: OLIVER, DAVE
---	--

USCG PROJECT NO. 10925308 USCG DRAWING NO. 10925308E-102 USCG FILENAME 10925308-E-102.DWG SHEET 39 OF 40
--

Repair Sitka Hangar for Crvi Mgmt USCG AIR STATION SITKA SITKA ALASKA ELECTRICAL HAZARDOUS BOUNDARIES
--

SHEET ID

E-102

