US Army Corps of Engineers®

OMAHA DISTRICT

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

SOLICITATION NO.: W9128F23R0018

CONTRACT NO.:

ISSUE DATE: 02/28/2023

INDEX

US Army Corps of Engineers®

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U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

COVER & INDEX

SHEET ID
G-001

ABBREVIATIONS

L	ANGLE
A/C	AIR CONDITIONING
A/C UNIT	AIR CONDITIONING UNIT
AB	ANCHOR BOLT
ABV	ABOVE
AC	ALTERNATING CURRENT
ACC	ACCESSIBLE
ACI	AMERICAN CONCRETE INSTITUTE
ACR	ACRYLIC PLASTIC
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACSR	ALUMINUM CABLE STEEL REINFORCED
ACST	ACOUSTIC
ACT	ACOUSTICAL CEILING TILE
ADDM	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT, ADJOINING, ADJUSTABLE
ADO	AUTOMATIC DOOR OPERATOR
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AHR	ANCHOR
AHU	AIR HANDLING UNIT
AI	AREA INLET
AIC	AMPERE INTERRUPTING CAPACITY
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
A.L.	ACTIVE LEAF
ALT	ALTERNATE
ALUM	ALUMINUM
AMB	AMBIENT
AMP	AMPERE
ANOD	ANODIZE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT
ARI	AMERICAN REFRIGERATION INSTITUTE
ASB	ASBESTOS
ASC	ABOVE SUSPENDED CEILING
ASPH	ASPHALT
ATC	ACOUSTICAL TILE CEILING
AUTO	AUTOMATIC
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
AWT	ACOUSTICAL WALL TREATMENT
BB	BULLETIN BOARD
BC	BOOKCASE
BD	BOARD
BDRY	BOUNDARY
BEJ	BRICK EXPANSION JOINT
BEV	BEVEL
BITUM	BITUMINOUS
BJT	BED JOINT
BL	BUILDING LINE
BLDG	BUILDING
BLW	BELOW
BM	BENCHMARK
BO	BOTTOM OF
BOT	BOTTOM
BP	BACK PLASTER(ED)
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRG PL	BEARING PLATE
BRK	BRICK
BRKT	BRACKET
BRZ	BRONZE
BS	BOTH SIDES
BSMT	BASEMENT
Btu	BRITISH THERMAL UNIT
BtuH	BTU PER HOUR
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
BW	BOTH WAYS
CAB	CABINET
CAP	CAPACITY
CB	CATCH BASIN
CCT	CUBICLE CURTAIN TRACK
CCTV	CLOSED CIRCUIT TELEVISION
CE	COVER ELEVATION
CEM	CEMENT
CEM PLAS	CEMENT PLASTER
CER	CERAMIC
CFI	CONDUCTIVE FLOORING
CFLG	COUNTERFLASHING
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CH BD	CHALKBOARD
CHFR	CHAMFER
CHIM	CHIMNEY
CHK	CHECK
CHR PL	CHROME PLATED
CI	CAST IRON
CI	CURB INLET
CIP	CAST-IN-PLACE
CIRC	CIRCULAR
CJ	CONTROL JOINT
CJ	CONSTRUCTION JOINT
CKT	CIRCUIT
CKT BRKR	CIRCUIT BREAKER
CL	CENTER LINE
CLG	CEILING
CLG HT	CEILING HEIGHT
CLGL	CLEAR GLASS
CLL	CONTRACT LIMIT LINE
CLO	CLOSET
CLOS	CLOSURE
CLR	CLEAR(ANCE)
CLWG	CLEAR WIRED GLASS
cm	CENTIMETER(S)
CMP	CORRUGATED METAL PIPE
CMPST	COMPOSITE
CMU	CONCRETE MASONRY UNIT
CND	CONDUIT
CNL	CONDUCTIVE NEOPRENE LATEX
CNR	CORNER
CNTR	COUNTER
CO	CLEANOUT
CO2	CARBON DIOXIDE
COL	COLUMN
COM	COMMON
COMB	COMBUSTION
COMPT	COMPARTMENT
CONC	CONCRETE
CONN	CONNECT
CONSTR	CONSTRUCTION
CONT	CONTINUE
CONTR	CONTRACTOR
CORR	CORRIDOR
COV	COVER
CPRS	COMPRESSIBLE
CPT	CARPET
CRCMF	CIRCUMFERENCE
CRES	CORROSIVE RESISTANT STEEL
CRG	CROSS GRAIN
CRS	COURSE(S)
CS	CAST STONE
CSK	COUNTERSUNK
CSMT	CASEMENT
CT	CERAMIC TILE
CT	CURRENT TRANSFORMER
C TO C	CENTER TO CENTER
CTR	CENTER
CU	CONDENSING UNIT
Cu	COPPER
CU FT	CUBIC FEET
CUH	CABINET UNIT HEATER
CU YD	CUBIC YARDS
CV	CEILING VENT
CVH	CONDUCTIVE VINYL HOMOGENEOUS (SHEET TYPE)
CW	COLD WATER
CYL	CYLINDER
d	PENNY (AS IN NAIL - 10D)
DAT	DATUM
DB	DRY BULB
DBL	DOUBLE
DBL ACT DR	DOUBLE ACTING DOOR
DCJ	DOWELED CONTROL JOINT
DCJT	DUMMY CONTROL JOINT
DEG	DEGREE
DEMO	DEMOLITION
DEPR	DEPRESSION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DH	DUCT HEATER
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISC	DISCONNECT
DISP	DISPENSER
DISTR PNL	DISTRIBUTION PANEL
DIV	DIVISION
DL	DEAD LOAD
DMPF	DAMPPROOFING
DMPR	DAMPER
DMT	DEMOUNTABLE
DN	DOWN
DR	DOOR
DR	DRAIN
DRB	DRAINBOARD
DR CL	DOOR CLOSER
DS	DOUBLE STRENGTH (GLASS)
DS	DOWNSPOUT
DT	DRAIN TILE
DVTL	DOVETAIL
DWG	DRAWING
DWLS	DOWELS
DWR	DRAWER
DWTR	DUMBWAITER
DX	DIRECT EXPANSION
E	EAST
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION - GRADE OR BUILDING
ELEC	ELECTRIC
EM	EXPANDED METAL
EMD	ESTIMATED MAXIMUM DEMAND
EMER	EMERGENCY
ENCL	ENCLOSE(URE)
ENTR	ENTRANCE, ENTERING
EP	ELECTRICAL PANELBOARD
EPRF	EXPLOSION PROOF
EPY	EPOXY COATING
EQ	EQUAL
EQUIP	EQUIPMENT
ESCAL	ESCALATOR
EST	ESTIMATE(D)
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXC	EXCAVATE
EXH	EXHAUST
EXH A	EXHAUST AIR
EXST	EXISTING
EXP	EXPANSION
EXP	EXPOSED
EXP BT	EXPANSION BOLT
EXT	EXTERIOR
F	FAHRENHEIT
FA	FIRE ALARM
FA	FRESH AIR
FAC	FIRE APPARATUS CLOSET
FAI	FRESH AIR INTAKE
F BRK	FIRE BRICK
FC	FOOT CANDLE
FC BRK	FACE BRICK
FCG	FACING
FCJ	FLOOR CONSTRUCTION JOINT
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDMPR	FIRE DAMPER
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH
FGL	FIBERGLASS
FH	FIRE HYDRANT
FH	FLAT HEAD
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHR	FIRE HOSE RACK
FHS	FIRE HOSE STATION
FHWS	FLAT HEAD WOOD SCREW
FIG	FIGURE
FIN	FINISH
FIN FLR	FINISH FLOOR
FIXT	FIXTURE
FJT	FLUSH JOINT
FLASH	FLASHING
FLR	FLOOR
FLEX	FLEXIBLE
FLG	FLOORING
FLR PL	FLOOR PLATE
FLUOR	FLUORESCENT
FN	FENCE
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIRE PARTITION
FP	FIREPROOF
FPM	FEET PER MINUTE
FR	FIRE RESISTANT
FR	FRAME
FRG	FORGED
FRMG	FRAMING
FRT	FIRE-RETARDANT
FS	FULL SIZE
FSTNR	FASTEN(ER)
FT	FEET
FTG	FOOTING
FURG	FURRING
FUT	FUTURE
FW	FIRE WATER
FWC	FABRIC WALL COVERING
G	NATURAL GAS
GA	GAGE
GAL	GALLON(S)
GALV	GALVANIZED
GALV STL	GALVANIZED STEEL
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GF	GROUND FACE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFE	GOVERNMENT-FURNISHED EQUIPMENT
GFE/CI	GOVERNMENT-FURNISHED EQUIPMENT CONTRACTOR INSTALLED
GI	GALVANIZED IRON
GIP	GALVANIZED IRON PIPE
GKT	GASKET(ED)
GL	GLASS
GL BLK	GLASS BLOCK
GLF	GLASS FIBER
GLZ	GLAZING
GLZ CMU	GLAZED CONCRETE MASONRY UNITS
G	GROUND
GOVT	GOVERNMENT
GPM	GALLONS PER MINUTE
GPT	GYPSUM TILE
GRAN	GRANITE
GR LN	GRADE LINE
GRTG	GRATING
GST	GLAZED STRUCTURAL TILE
GSU	GLAZED STRUCTURAL UNITS
GT	GROUT
GWT	GLAZED WALL TILE
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
HB	HOSE BIBB
HC	HOLLOW CORE
HCD	HALON CONTAINMENT DAMPER
HCP	HANDICAPPED
HD	HEAD
HD	HEAVY DUTY
HDBD	HARDBOARD
HD JT	HEAD JOINT
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HES	HIGH EARLY-STRENGTH CEMENT
HEX	HEXAGON
HH	HANDHOLE
HK	HOOK(S)
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HP	HORSEPOWER
HPT	HIGH POINT
HR	HOUR
HS	HIGH STRENGTH
HSGYP	HIGH-STRENGTH GYPSUM PLASTER
HSKPG	HOUSEKEEPING
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HYDR	HYDRAULIC
Hz	HERTZ
IC	INTERCOM
ID	INSIDE DIAMETER
IESNA	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
ILK	INTERLOCK
IN	INCH
INCIN	INCINERATOR
INCL	INCLUDED
INSF	INSULATING FILL
INSUL	INSULATION
INT	INTERIOR
INTM	INTERMEDIATE
INV	INVERT
IP	IRON PIPE
IPS	IRON PIPE SIZE
I.P.S.	INSIDE PIPE SIZE
JAN CLO	JANITOR'S CLOSET
J-BOX	JUNCTION BOX
JCT	JUNCTION
JST	JOIST
JT	JOINT
KIP	KILOPOUND (1000 POUNDS)
KIT	KITCHEN
KOP	KNOCKOUT PANEL
KPL	KICKPLATE
km	KILOMETER
kV	KILOVOLTS
kVA	KILOVOLT AMPERES
kVAR	KILOVOLT AMPERES REACTIVE
kW	KILOWATT
KWY	KEYWAY
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE
LAT	LEAVING AIR TEMPERATURE
LAU	LAUNDRY
LAV	LAVATORY
LB	LAG BOLT
LB	POUND
LBL	LABEL
LBR	LUMBER
LC	LIGHT CONTROL
LD	LOAD
LDG	LOADING
LG	LENGTH
LH	LEFT HAND(ED)
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LLD	LEAD-LINED DOOR
LM	LUMEN
LMST	LIMESTONE
LNTL	LINTEL
LONG	LONGITUDINAL
LP	LIGHTPROOF
LPD	LIGHTPROOF DOOR
LPL	LIGHTPROOF LOUVER
LPT	LOW POINT
LR	LIVING ROOM
LS	LAWN SPRINKLER
LT	LIGHT
LT WT	LIGHTWEIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE
LWT	LEAVING WATER TEMPERATURE
m	METER(S)
M&B	MATCHED AND BEADED
MACH	MACHINE
MAS	MASONRY
MATL	MATERIAL(S)
MAX	MAXIMUM
MB	MACHINE BOLTS
MBR	MEMBER
MC	MEDICINE CABINET
MCJ	MASONRY CONTROL JOINT
MCO	METAL-CASED OPENING
MDS	METAL DIVIDER STRIP
MECH	MECHANICAL
MECH RM	MECHANICAL ROOM
MED	MEDIUM
MEMB	MEMBRANE
MES	METAL EDGE STRIP
MFD	METAL FLOOR DECKING
MFG	MANUFACTURING
MFR	MANUFACTURER
MG	MOTOR GENERATOR
MGT	MATTE-GLAZED TILE
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
ML	METAL LATH
ML	MONOLITHIC
MLDG	MOULDING
MLWK	MILLWORK
mm	MILLIMETER(S)
MNIC	MATERIAL NOT IN CONTRACT (INSTALLATION BY CONTRACTOR)
MO	MASONRY OPENING
MOD	MODULAR
MOD.	MODIFIED
MOT	MOTOR
MP	MOVABLE PARTITION
MR	MOP RECEPTOR
MRB	MARBLE BASE
MRD	METAL ROOF DECKING
MS	MACHINE SCREWS
MT	METAL THRESHOLD
MT	MOUNT
MTD	MOUNTED
MTFR	METAL FURRING
MTL	METAL
MVBL	MOVABLE
MULL	MULLION
N	NORTH
NAT	NATURAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
Ni	NICKEL
NIC	NOT IN CONTRACT
NL	NAILABLE
N.L.	NEOPRENE LATEX
NM	NONMETALLIC
NO	NORMALLY OPEN
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
N"REQD	NOT REQUIRED
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBSC	OBSCURE
OBW	OBSERVATION WINDOW
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OFC	OFFICE
OGL	OBSCURE GLASS
OH	OVERHEAD
OHMS	OVALHEAD MACHINE SCREW
OHWS	OVALHEAD WOOD SCREW
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPQ	OPAQUE
OPS	OPERATIONS
OS & Y	OUTSIDE SCREW AND YOKE
OWGL	OBSCURE WIRED GLASS
P	POLE
PA	PUBLIC ADDRESS
PAR	PARALLEL
PB	PANIC BAR
PBD	PARTICLE BOARD
PBS	PUSH BUTTON STATION
PC	PIECE
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCP	CEMENT PLASTER (PORTLAND)
PD	PAVEMENT DRAIN
PED	PEDESTAL
PERF	PERFORATE(D)
PERIM	PERIMETER
PH	PHASE
PHAR	PHARMACY
PI	POINT OF INTERSECTION
PIPU	PREFAB ISOLATION POWER UNIT
PIV	POST INDICATING VALVE
PL	PLATE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLG	PILING
PL GL	PLATE GLASS
PLYWD	PLYWOOD
PNL	PANEL
PT	PAINT(ED)
POL	POLISHED
PORC	PORCELAIN
PORT	PORTABLE
PPGL	POLISHED PLATE GLASS
PPM	PARTS PER MILLION
PR	PAIR
PREFAB	PREFABRICATE(D)
PREFIN	PREFINISHED
PREFMD	PREFORMED
PRKG	PARKING
PROJ	PROJECT
PRV	PRESSURE-REGULATING VALVE
PS	PIPE SPACE
P.S.	PRESSED STEEL
PS CONC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PNEUMATIC TUBE
PT.	POINT
PT CONC	POST-TENSIONED CONCRETE
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PV	PAVED
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PW	PASS WINDOW
QT	QUARRY TILE
QT.	QUART
QTR	QUARTER
1/4 RND	QUARTER ROUND
QTY	QUANTITY
R	RADIUS
R	RANGE
R	RISER
RA	RETURN AIR
RAB	RABBETED
RA GR	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RB	RUBBER BASE, RESILIENT BASE
RBL	RUBBLE STONE
RBR	RUBBER
RC	REMOTE CONTROL
RCP	REINFORCED CONCRETE PIPE
RCVR	RECEIVER
RD	ROOF DRAIN
RDG INS	RIGID INSULATION
RECPT	RECEPTACLE
REC ROOM	RECREATION ROOM
RECT	RECTIFIER
REF	REFERENCE
REFL	REFLECT
REFR	REFRIGERATION
REG	REGISTER
REG	REGLET
REINF	REINFORCE
REM	REMOVE(ABLE)
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISION
RFG	ROOFING
RH	RELATIVE HUMIDITY
RH	RIGHT HAND
RH	ROOF HATCH
RK	RACK
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RP	RETRACTABLE PARTITION
RPM	REVOLUTIONS PER MINUTE
RPRT	RAISED PATTERN RUBBER TILE
RTF	RUBBER TILE FLOOR
RVS	REVERSE
RVT	RIVET
RWC	RAINWATER CONDUCTOR
S	SOUTH
SA	SUPPLY AIR
SB	SPLASH BLOCK
S.B.	SECURITY BARS
SC	SOLID CORE
SCHED	SCHEDULE
SCRN	SCREEN
SCT	STRUCTURAL CLAY TILE
SD	STORM DRAIN
SDI	STEEL DOOR INSTITUTE
SECT	SECTION
SEQ	SEQUENCE
SFGL	SAFETY GLASS
SFTU	STRUCTURAL FACING TILE UNIT
SFU	STRUCTURAL FACING UNIT
SG	SHEET GLASS
SHLDR	SHOULDER
SHT	SHEET
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SKLT	SKYLIGHT
SLNT	SEALANT
SLV	SLEEVE
SM	SHEET METAL
SMS	SHEET METAL SCREWS
SOV	SHUT OFF VALVE
SPC	SPACER
SPCL	SPECIAL
SPD	SOUNDPROOF DOOR
SPEC	SPECIFICATION
SPF	SOUNDPROOF
SP FIN	SPECIAL FINISH
SPH	SPACE HEATER
SPKR	SPEAKER
SQ	SQUARE
SQHD	SQUARE HEAD
S&R	SHELF AND ROD
SS	SERVICE SINK
SS	STANDING SEAM (ROOF)
SST	STAINLESS STEEL
STA	STATION
STD	STANDARD
STG	SEATING
STL	STEEL
STOR	STORAGE
ST PR	STATIC PRESSURE
STR	STRINGER
STRUCT	STRUCTURAL
STWY	STAIRWAY
SUB FL	SUBFLOOR
SUSP	SUSPENDED
SV	SHEET VINYL
SW	SWITCH
SWBD	SWITCHBOARD
SYMM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	TREAD
TAN	TANGENT
TB	TOWEL BAR
TC	TERRA COTTA
TEL	TELEPHONE
TEMP	TEMPERATURE
TEMP	TEMPORARY
TER	TERRAZZO
TERM	TERMINAL
T&G	TONGUE AND GROOVE
TGL	TOGGLE
TH	TRUSS HEAD
THK	THICK(NESS)
THRES	THRESHOLD
TK BD	TACKBOARD
TKS	TACKSTRIP
TO	TOP OF
TOL	TOLERANCE
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TRANS	TRANSOM
TRANS	TRANSVERSE
TSTAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL
UC	UNIT COOLER
UGND	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UPS	UNINTERRUPTABLE POWER SUPPLY
UR	URINAL
UTIL	UTILITY
UV	UNIT VENTILATOR
V	VOLT
VAR	VARNISH
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VCT	VITRIFIED CLAY TILE
VD	VAULT DOOR
VENT	VENTILATOR(TION)
VERT	VERTICAL
VEST	VESTIBULE
VF	VINYL FABRIC
VG	VERTICAL GRAIN
VH	VINYL HOMOGENEOUS
VJ	V-JOINT(ED)
VNR	VENEER
VOL	VOLUME
VR	VAPOR RETARDER
VRM	VERMICULITE
VS	VENT STACK
V.T.	VOLTAGE TRANSFORMER
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
WB	WET BULB
WBL	WOOD BLOCKING
WC	WATER CLOSET
W/C	WHEELCHAIR
WCO	WOOD-CASED OPENING
WD	WOOD
WD	WOOD DOOR
WDSP	WASTE DISPOSER
WDW	WINDOW
WF	WIDE FLANGE
WGL	WIRED GLASS
WH	WALL HUNG
WH	WATER HEATER
WHB	WHEEL BUMPER
WHM	WATT-HOUR METER
WI	WROUGHT IRON
WKSH	WORK SHOP
WM	WIRE MESH
W/O	WITHOUT
WP	WATERPROOF(ING)
WP	WEATHERPROOF
WP	WORKING POINT
WR	WASTE RECEPTACLE
WRB	WARDROBE
WS	WATERSTOP
W.S.	WASTE STACK
WSCT	WAINSCOT
WT	WEIGHT
WTH	WIDTH
W/W	WALL TO WALL
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
WWR	WELDED WIRE REINFORCEMENT
XFMR	TRANSFORMER
YD	YARD
YD	YARD DRAIN

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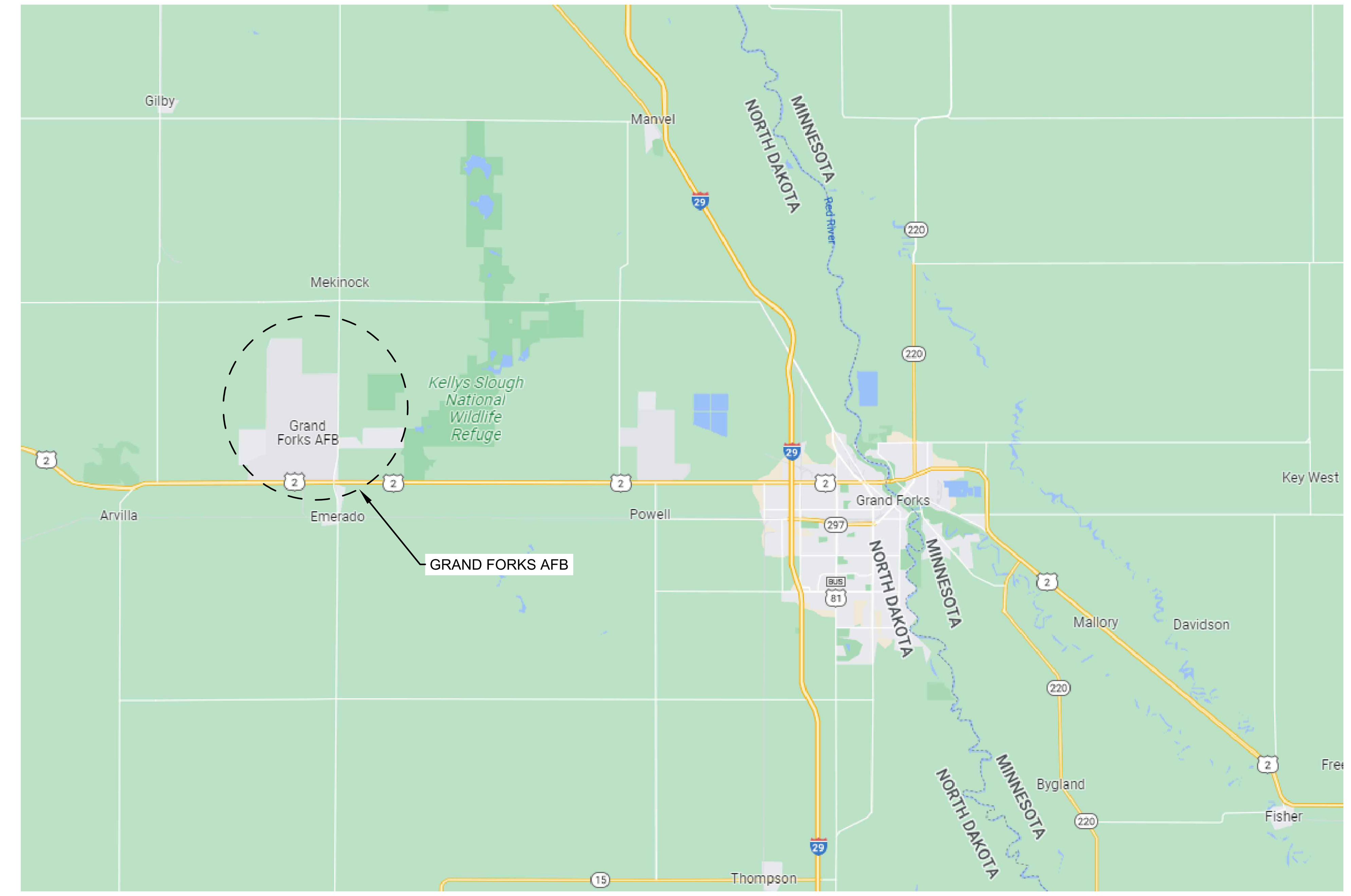
10:39:30 AM 2/22/2023

A1 GENERAL AREA PLAN AND CONTRACTOR'S ACCESS ROUTE
SCALE: 1" = 500'



H11 PROJECT VICINITY PLAN
SCALE: N.T.S

A11 PROJECT LOCATION PLAN
SCALE: 1" = 3000'

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GENERAL AREA PLAN
AND CONTRACTOR'S ACCESS ROUTE

SHEET ID
GI101

A1 GENERAL SITE PLAN

SCALE: 1" = 100'

NORTH

0 100' 200'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: D. BIRKBY
DRAWN BY: D. BIRKBY
CHECKED BY: T. OWENS
SUBMITTED BY: T. OWENS
SIZE: ANSI D
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
FILE NUMBER:
FILENAME: GFND00100C-GI101 to 102.dwg

U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

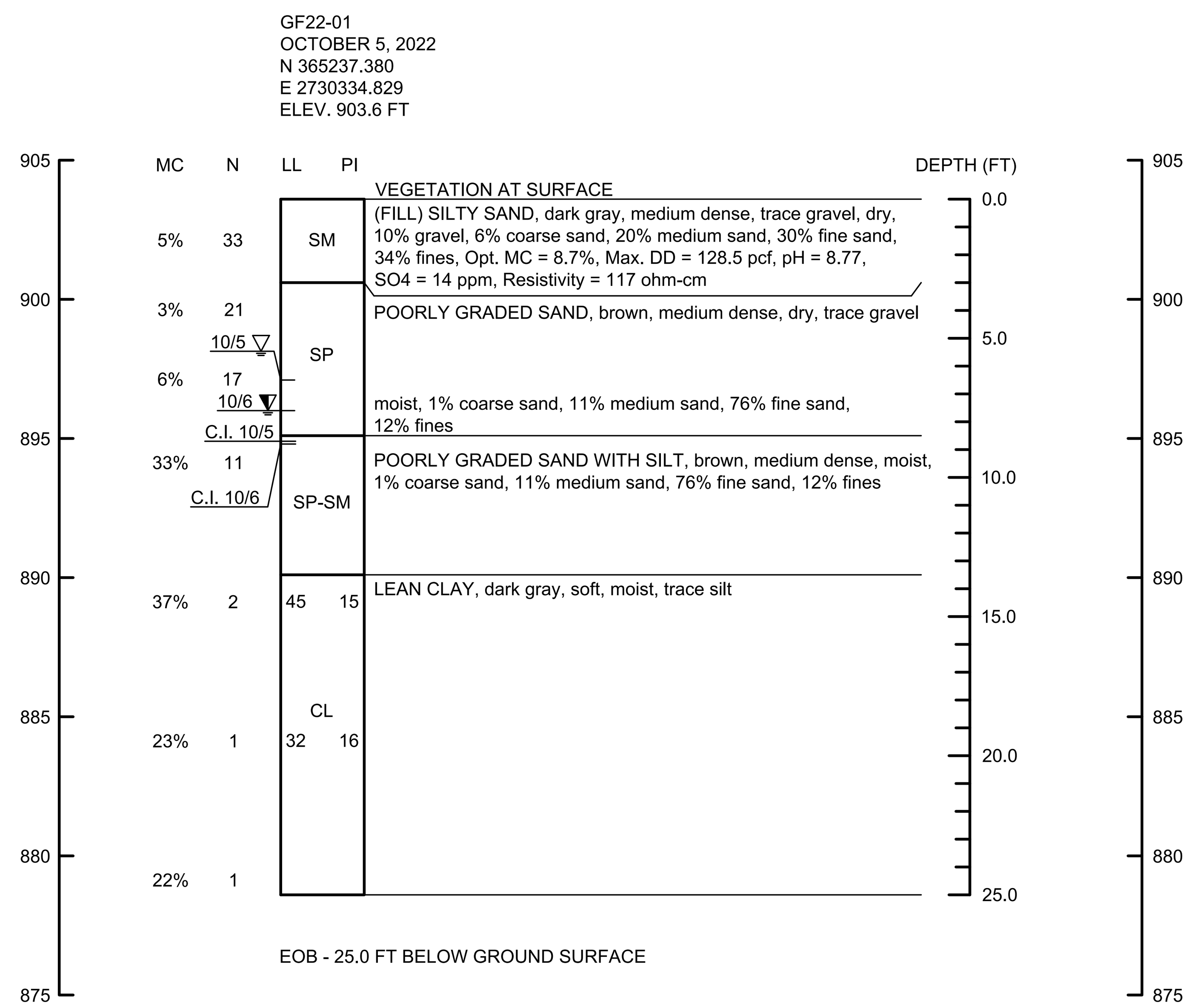
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

GENERAL SITE PLAN

SHEET ID

GI102

%PRODUCTION DATA 1%
%PRODUCTION DATA 4%
%PRODUCTION DATA 3%
%PRODUCTION DATA 2%



BORING LEGEND

GF22-01	BORING NUMBER
OCTOBER 5, 2022	DATE BORING COMPLETED
N 365237.380 E 2730334.829	UNITED STATES STATE PLANE COORDINATES, US SURVEY FEET, ZONE 3301, NORTH DAKOTA NORTH
ELEV. 903.6 FT	TOP OF BORING ELEVATION ROUNDED TO NEAREST TENTH-FOOT (NAVD88)
MC	NATURAL MOISTURE CONTENT IN PERCENT (ASTM D2216)
LL	LIQUID LIMIT
PI	PLASTICITY INDEX
N	STANDARD PENETRATION BLOW COUNT. NUMBER OF BLOWS FOR A 140-POUND WEIGHT DROPPING 30 INCHES TO DRIVE A 2-INCH OUTSIDE DIAMETER SAMPLER 1 FOOT.
% fines	PERCENT OF SOIL BY DRY WEIGHT PASSING THE NO. 200 SIEVE (ASTM D422 / C136)
Opt. MC	OPTIMUM MOISTURE CONTENT FROM MODIFIED PROCTOR COMPACTION TEST (ASTM D1557)
Max. DD	MAXIMUM DRY DENSITY FROM MODIFIED PROCTOR COMPACTION TEST (ASTM D1557)
pH	pH VALUE FROM LAB ANALYSIS (ASTM G51)
SO4	WATER SOLUBLE SULFATE FROM LAB ANALYSIS (ASTM C1580)
ppm	PARTS PER MILLION
Resistivity	SOIL RESISTIVITY FROM LAB ANALYSIS (ASTM G57)
10/5 ▽	GROUNDWATER TABLE WHILE DRILLING
10/6 ▼	GROUNDWATER TABLE 24 HOURS AFTER DRILLING
C.I. 10/5	BORING CAVE-IN DEPTH AND DATE MEASURED
EOB	END OF BORING

BORING NOTES

1. THE DESCRIPTIONS AT THE RIGHT OF THE LOGS ARE THE RESULTS OF FIELD AND LABORATORY DATA. THE TERMS "DRY", "MOIST", "WET", ETC. ARE FIELD DESCRIPTIONS MADE BY THE GEOLOGIST IN THE FIELD AT THE TIME OF DRILLING. SEE "MC" ON THE CONDENSED LOG OF BORINGS FOR LABORATORY DETERMINATION OF MOISTURE CONTENTS FOR THE SOIL. LABORATORY CLASSIFICATIONS ARE IN ACCORDANCE WITH ASTM D 2487.
2. THE LOGS FURNISHED REPRESENT THE TYPES OF SOIL ENCOUNTERED AT THEIR RESPECTIVE LOCATIONS AND THE WATER LEVEL ENCOUNTERED AT THAT TIME. THE BORING LOGS ARE CONSIDERED REPRESENTATIVE OF THE SOILS WHICH WERE ENCOUNTERED AT THAT LOCATION; HOWEVER, WATER LEVELS CAN FLUCTUATE APPRECIABLY AT DIFFERENT SEASONS OF THE YEAR OR FROM YEAR TO YEAR DEPENDING LARGELY ON CLIMATIC CONDITIONS. THE CONTRACTOR SHOULD IDENTIFY GROUNDWATER CONDITIONS PRIOR TO THE TIME OF CONSTRUCTION.
3. FOR SOIL BORING LOCATIONS, SEE SHEETS VF100 AND VF101.
4. COORDINATE SYSTEM: NORTH DAKOTA NORTH STATE PLANE (3301)
DATUM: NAVD88, NAD83

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: R. SISK	ISSUE DATE:
DRAWN BY: R. SISK	SOLICITATION NO.: W9128F23R0018
CHECKED BY: J. RUFFCORN	CONTRACT NO.:
SUBMITTED BY: K. HALL	FILE NUMBER:
SIZE: ANSI D	FILENAME: GFND00100B-301.dwg

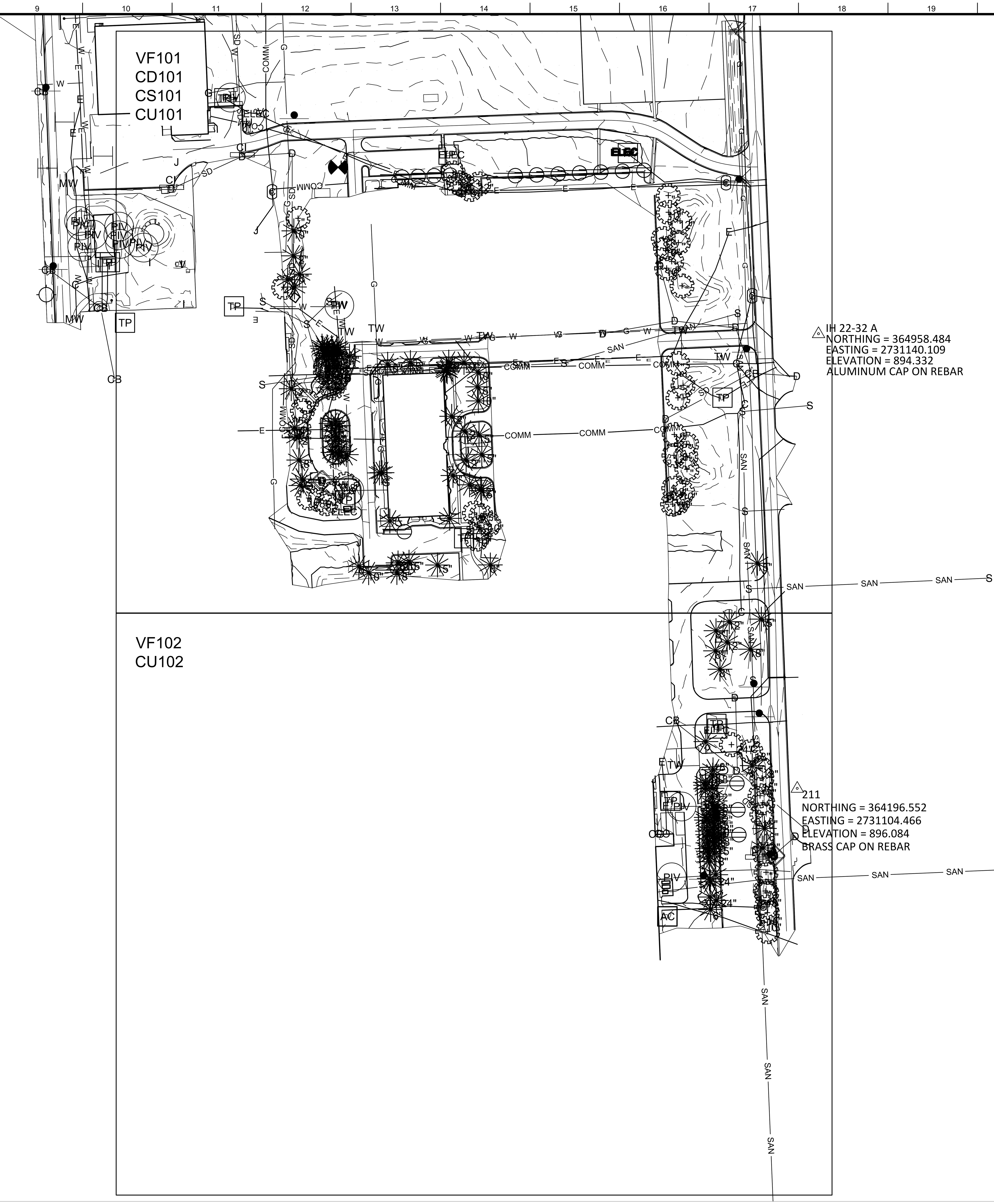
U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

SOIL BORING LOGS

SHEET ID
B-301

C:\TEMP\D0495540\GFND00100B-301.DWG
G6EDXRS6
AEC_B&W.STB
11:06:49 AM 2/28/2023



SURVEY NOTES

1) GRID COORDINATES ARE REFLECTED IN U.S. SURVEY FEET AND REFER TO THE NORTH AMERICAN DATUM of 1983 (NAD 83) STATE PLANE COORDINATE SYSTEM FOR: NORTH DAKOTA NORTH (FIPS 3301). THEY ARE BASED ON CONTROL POINT BASE.
2) ELEVATIONS ARE REFLECTED IN U.S. SURVEY FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THEY ARE BASED ON CONTROL POINT BASE.
3) TOPOGRAPHY IS DERIVED FROM GPS/RTK SURVEY METHODS. FIELD SURVEY DATE: AUGUST 2022
4) CONTOUR INTERVAL IS 1 US SURVEY FOOT.
5) COMBINED GRID FACTOR IS: 0.999899392
6) ALL UTILITIES WERE LOCATED BY SURFACE INDICATION ONLY.
7) ALL UNDERGROUND UTILITIES WERE LOCATED BY BASE PERSONNEL AND 811

SOIL BORINGS

NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION
GF 22-01	365237.380	2730334.829	903.594	SET LATHE
GF 22-02	365738.744	2729639.724	899.854	STAKED
GF 22-03	365841.690	2729935.781	897.197	STAKED
GF 22-04	365875.758	2730844.946	897.419	STAKED
GF 22-05	365822.484	2726238.691	903.678	SET LATHE
GF 22-06	374992.321	2729246.027	881.811	SET LATHE

CONTROL DATA

NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION
BASE	362667.765	2731254.341	895.95	DISK IN CONCRETE
211	364196.552	2731104.466	896.084	BRASS CAP ON REBAR
IH 22-32 A	364958.484	2731140.109	894.332	ALUMINUM CAP ON REBAR

A1 SURVEY PLAN OVERVIEW
SCALE: 1" = 100'

0 100' 200'

NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: D. BIRKBY
DRAWN BY: D. BIRKBY
CHECKED BY: T. OWENS
SUBMITTED BY: T. OWENS
SIZE: ANSI D
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
FILE NUMBER:
FILENAME: GFND00100C-VF100 to 102.dwg

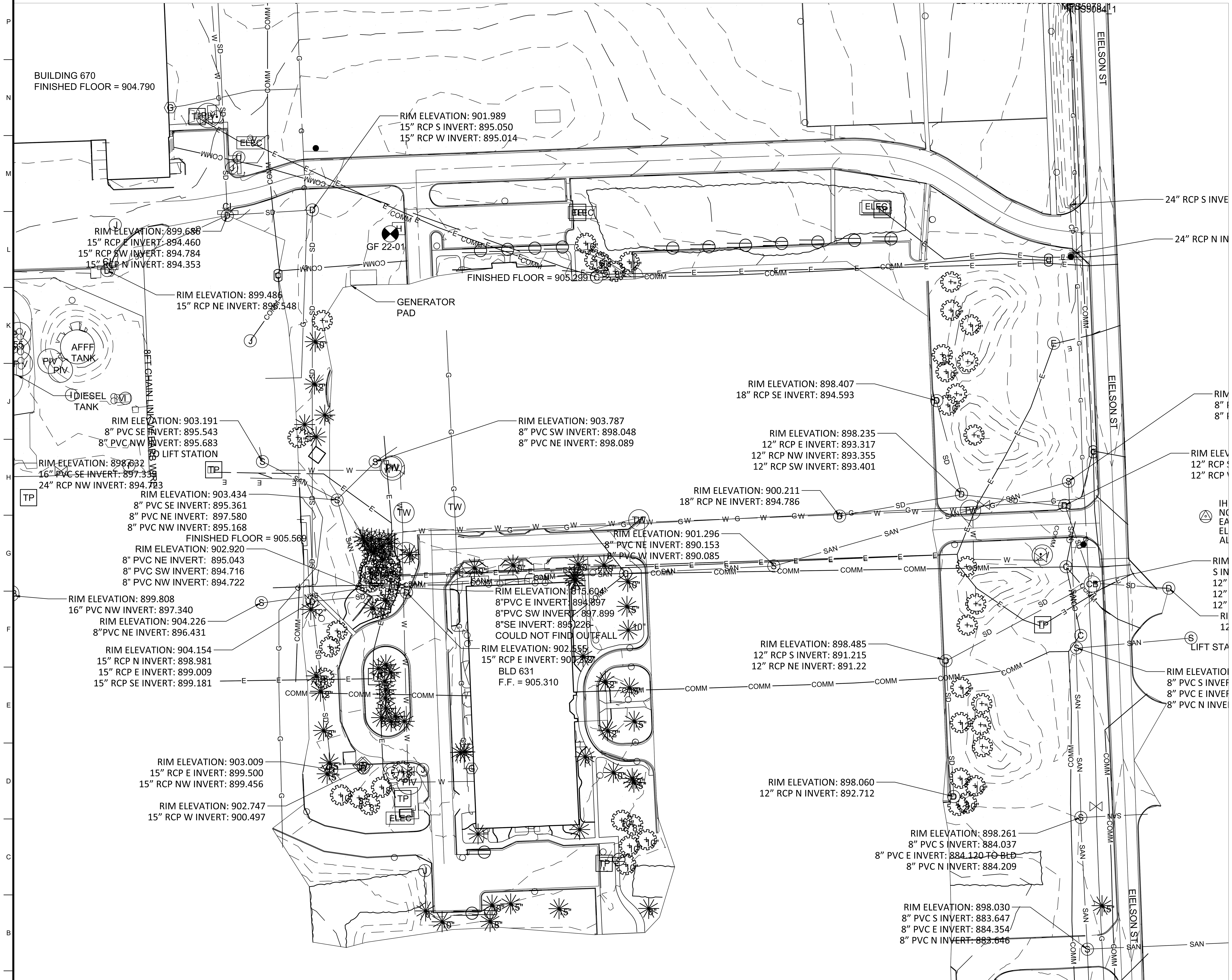
U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

SURVEY PLAN OVERVIEW

SHEET ID
VF100

%PRODUCTION DATA 1%
%PRODUCTION DATA 4%
%PRODUCTION DATA 3%
%PRODUCTION DATA 2%



SURVEY PLAN - AREA 1

A1

SCALE: 1" = 50'

NORTH

0 50' 100'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: D. BIRKBY
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SUBMITTED BY: T. OWENS
SIZE: ANSI D

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U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

SURVEY PLAN
AREA 1

SHEET ID

VF101

%PRODUCTION DATA 1%
%PRODUCTION DATA 2%
%PRODUCTION DATA 3%
%PRODUCTION DATA 4%

A1 SURVEY PLAN - AREA 2

SCALE: 1" = 50'

NORTH

0 50' 100'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: D. BIRKBY
DRAWN BY: D. BIRKBY
CHECKED BY: T. OWENS
SUBMITTED BY: T. OWENS
SIZE: ANSI D
ISSUE DATE: 02/28/2023
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U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

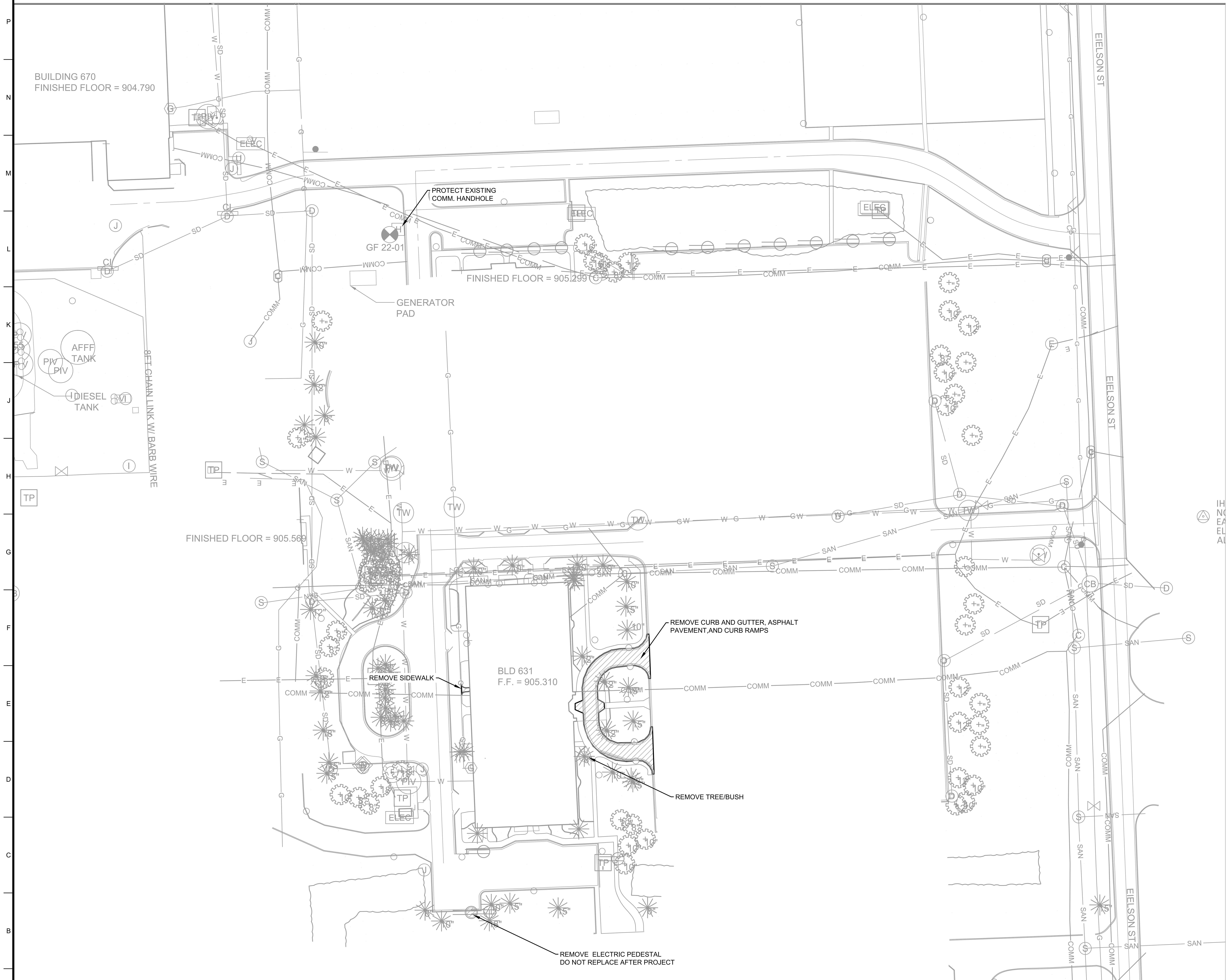
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

SURVEY PLAN
AREA 2

SHEET ID

VF102

%PRODUCTION DATA 1%
%PRODUCTION DATA 4%
%PRODUCTION DATA 3%
%PRODUCTION DATA 2%



A1 DEMOLITION PLAN
SCALE: 1" = 50'

NORTH

US Army Corps
of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: D. BIRKBY
DRAWN BY: D. BIRKBY
CHECKED BY: T. OWENS
SUBMITTED BY: T. OWENS
SIZE: ANSI D
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
FILE NUMBER:
FILENAME: GFND00100C-CD101.dwg

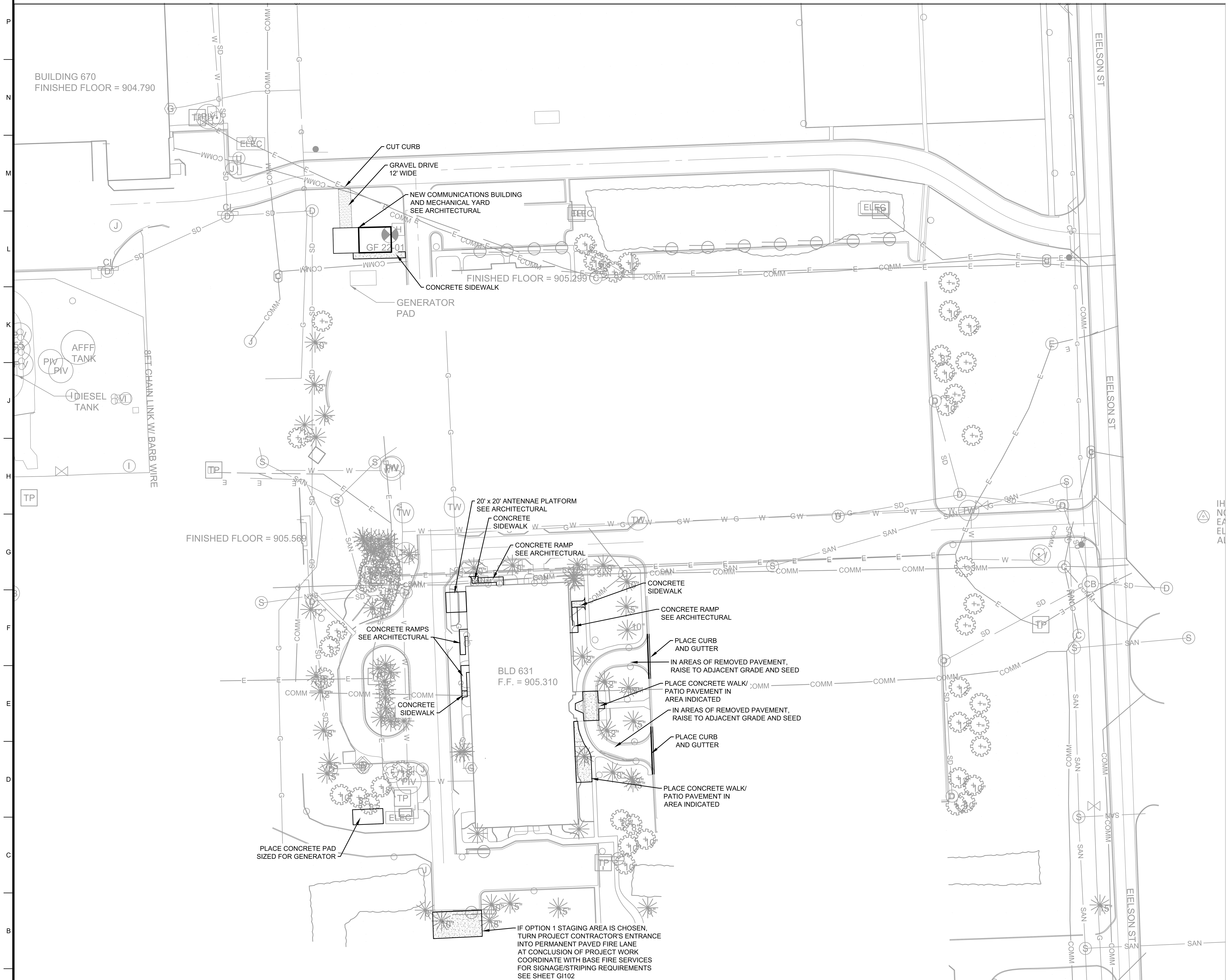
U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

DEMOLITION PLAN

SHEET ID
CD101

%PRODUCTION DATA 1%
%PRODUCTION DATA 4%
%PRODUCTION DATA 3%
%PRODUCTION DATA 2%



A1 SITE PLAN
SCALE: 1" = 50'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

DESIGNED BY: D. BIRKBY	ISSUE DATE: 02/28/2023
DRAWN BY: D. BIRKBY	SOLICITATION NO.: W9128F23R0018
CHECKED BY: T. OWENS	CONTRACT NO.:
SUBMITTED BY: T. OWENS	FILE NUMBER:
SIZE: ANSI D	FILENAME: GFND00100C-CS101.dwg

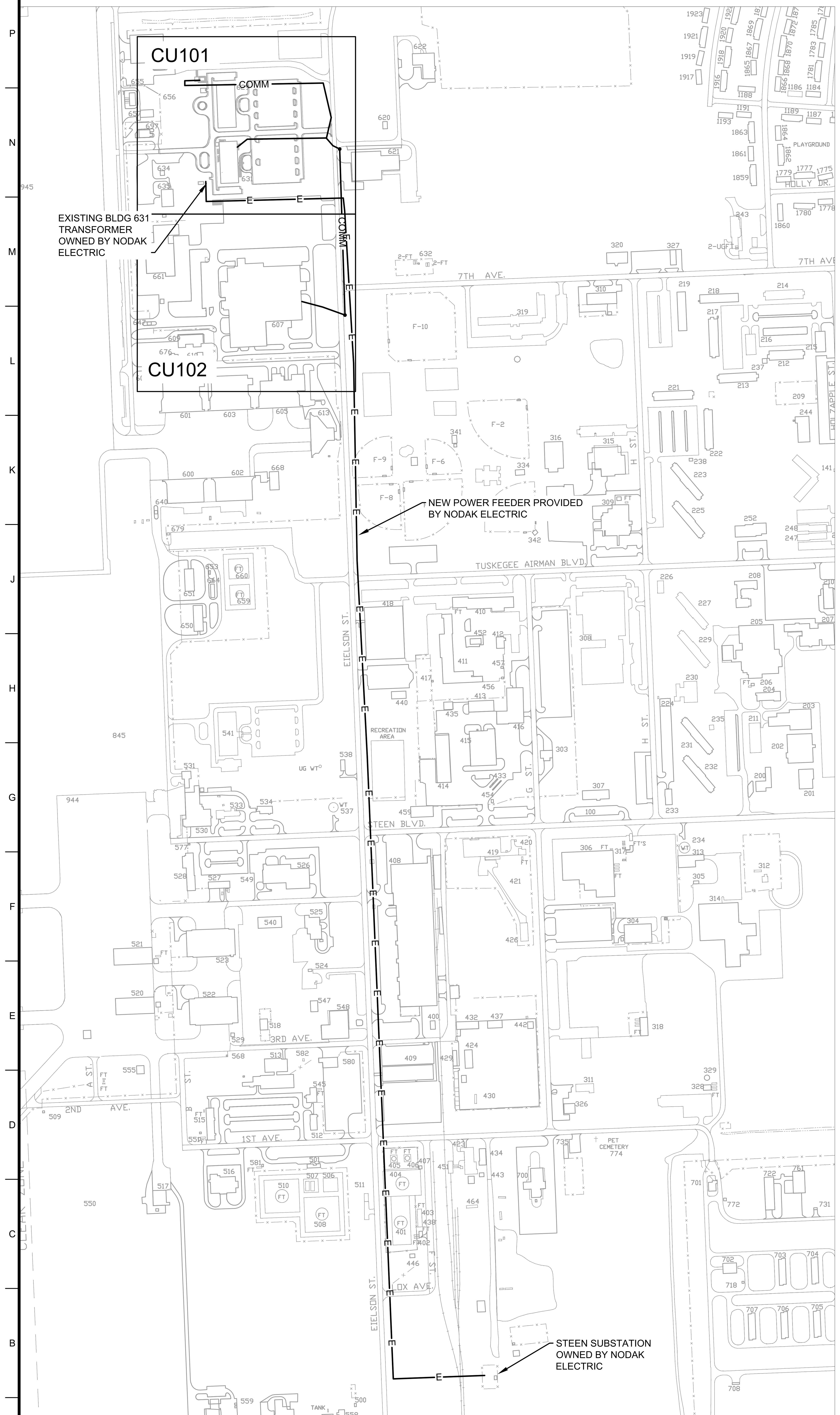
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

SITE PLAN

SHEET ID
CS101

%PRODUCTION DATA 1%
%PRODUCTION DATA 4%
%PRODUCTION DATA 3%
%PRODUCTION DATA 2%

CUI - CONTROLLED UNCLASSIFIED INFORMATION



LEGEND

——E——	ELECTRICAL LINE (NODAK)
—— COMM ——	COMMUNICATIONS LINE

A1 UTILITY PLAN - OVERVIEW

SCALE: 1" = 400'

NORTH

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MARK	DESCRIPTION	DATE

ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
FILE NUMBER:

DESIGNED BY: D. BIRKBY
DRAWN BY: D. BIRKBY
CHECKED BY: T. OWENS
SUBMITTED BY: T. OWENS
SIZE: ANSI D
FILENAME: GFND00100C-CU100 to 102.dwg

U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
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OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

UTILITY PLAN

SHEET ID

CU100

%PRODUCTION DATA 1%
%PRODUCTION DATA 4%
%PRODUCTION DATA 3%
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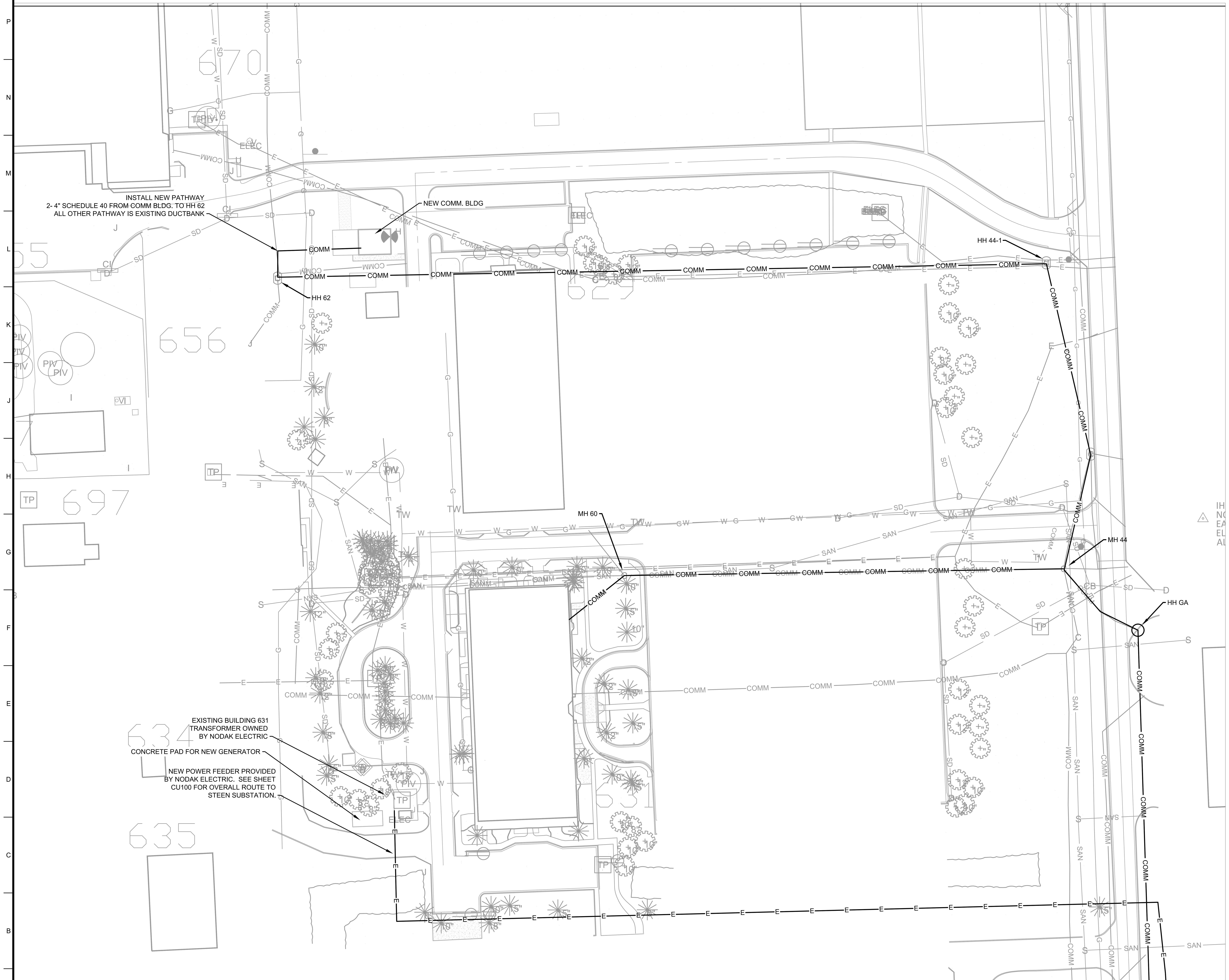

LEGEND

E	ELECTRICAL LINE (NODAK)
COMM	COMMUNICATIONS LINE

A1 UTILITY PLAN - AREA 1

SCALE: 1" = 50'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: D. BIRKBY
DRAWN BY: D. BIRKBY
CHECKED BY: T. OWENS
SUBMITTED BY: T. OWENS
SIZE: ANSI D
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
FILE NUMBER:
FILENAME: GFND00100C-CU100 to 102.dwg

U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

UTILITY PLAN
AREA 1

SHEET ID

CU101

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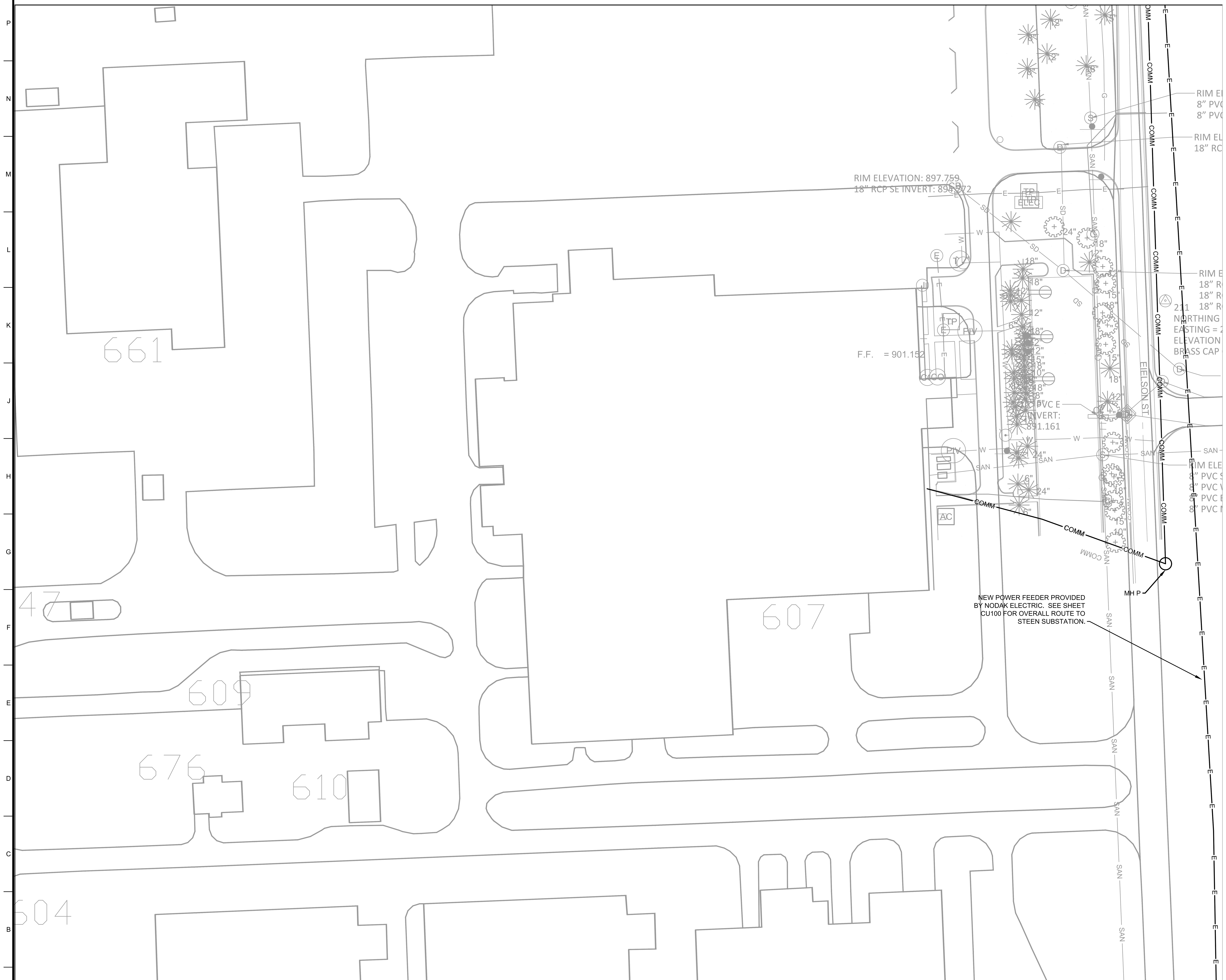
%PRODUCTION DATA 4%
%PRODUCTION DATA 3%
%PRODUCTION DATA 2%



LEGEND

—E—	ELECTRICAL LINE (NODAK)
—COMM—	COMMUNICATIONS LINE

A1 UTILITY PLAN - AREA 2
SCALE: 1" = 50'

NORTH

0 50' 100'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
FILE NUMBER:
DESIGNED BY: D. BIRKBY
DRAWN BY: D. BIRKBY
CHECKED BY: T. OWENS
SUBMITTED BY: T. OWENS
SIZE: ANSI D
FILENAME: GFND00100C-CU100 to 102.dwg

U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

UTILITY PLAN
AREA 2

SHEET ID
CU102

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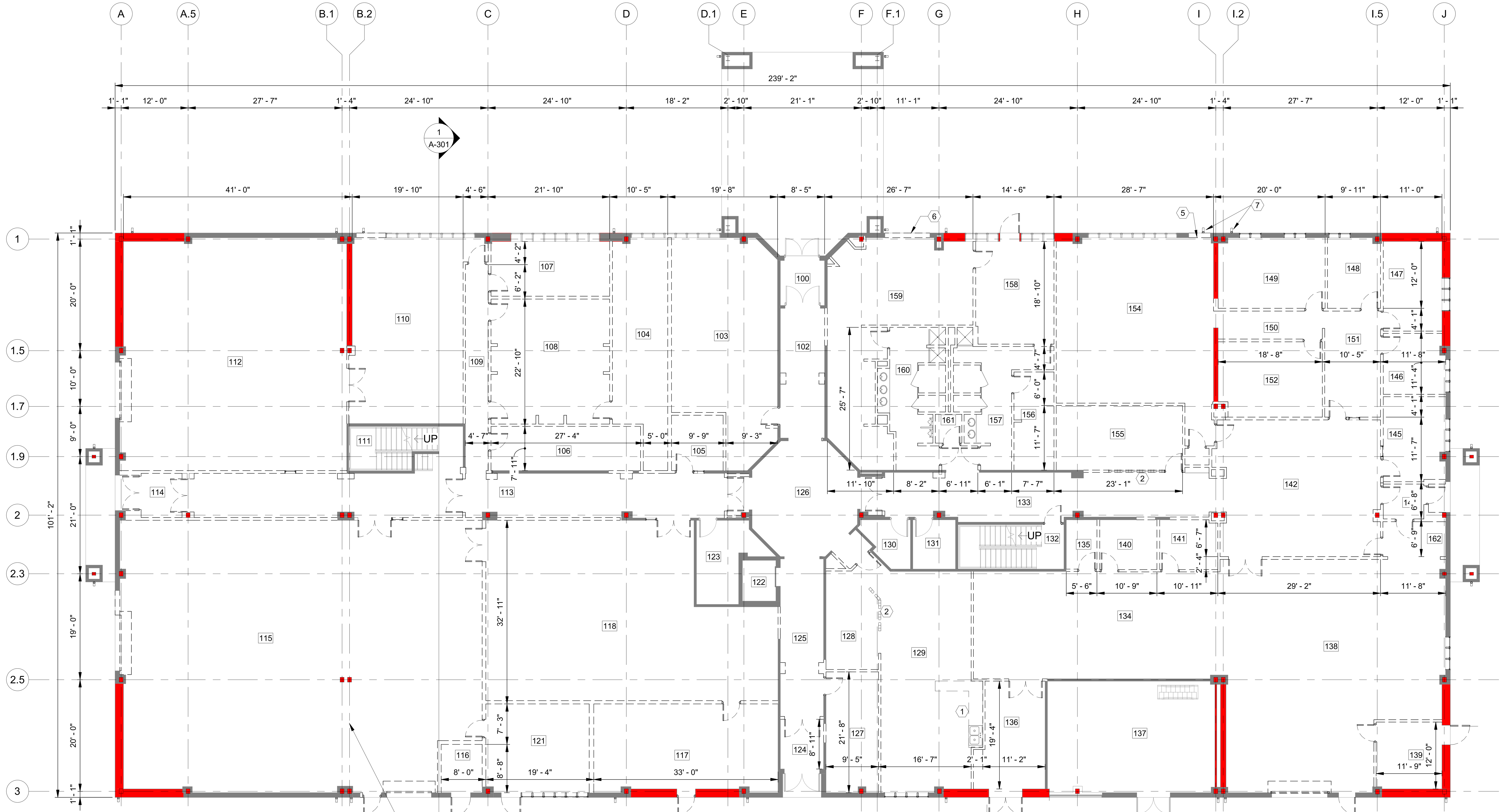
%PRODUCTION DATA 2%



1 FIRST FLOOR DEMOLITION PLAN

3/32" = 1'-0"

EXISTING STRUCTURAL BRACING TO REMAIN

NORTH

0 4' 8' 16' 24'

EXISTING ROOM SCHEDULE

NOTE	DESCRIPTION
100	VESTIBULE
102	CORRIDOR
103	SCHEDULING
104	MAINTENANCE TRAINING ULLC
105	TRAINING NCOIC
106	NIGHT VISION GOGGLE TEST CENTER
107	LS LSO/NCOIC
108	CLASSROOM
109	CORRIDOR
110	MOCK UP DECON/SURVIVAL TRAINING ROOM
111	STAIR #1
112	LS/MOBILITY STORAGE
113	CORRIDOR
114	VESTIBULE
115	LS STAGING/STOR.
116	EXPLOSIVES/FLARE STOR.
117	HELMET MAINTENANCE/OXYGEN MASK REPAIR
118	HELMET / CHEMICAL STOR./ISSUE
121	
122	ELEVATOR
123	ELEV. EQUIPMENT
124	VESTIBULE
125	CORRIDOR
126	LOBBY
127	SMALL COMPUTER STORAGE
128	VENDING ROOM
129	BREAK ROOM
130	COMM.
131	ELEC.
132	STAIR #2
133	CORRIDOR
134	TAIL BIN
135	UTILITY ROOM
136	OUTSIDE STORAGE
137	MECHANICAL
138	TOOL BENCH
139	HAZARD STORAGE
140	ISSUE
141	TO LIBRARY
142	READY ROOM
143	VESTIBULE
145	PRO. SUPER
146	MAINTENANCE
147	CONFERENCE ROOM
148	MAINTENANCE SUPERVISOR
149	ELEMENT A
150	CORRIDOR
151	MAINTENANCE ADMIN.
152	ELEMENT B
154	MAINTENANCE INFORMATION CONTROL
155	MAINTENANCE DEBRIEF
156	WOMEN'S LOCKER ROOM
157	WOMEN
158	FITNESS ROOM
159	MEN'S LOCKER ROOM
160	MEN'S ROOM
161	JANITOR
162	TOOL ISSUE
201	PROJECTION ROOM
202	BRIEFING ROOM
203	FLIGHT GROUND SAFETY
204	MOBILITY
205	STAIR
206	STANDARDS/EVALUATIONS
207	TESTING ROOM
208	MANUAL CONTROL
209	CORRIDOR
210	FLIGHT COMMANDER STAFF
211	FLIGHT COMMANDER
212	FLIGHT COMMANDER
213	FLIGHT COMMANDER
214	TRAINING CHIEF
215	FLIGHT PLANNING
216	FLIGHT PLANNING
217	FLIGHT PLANNING
218	CLASSROOM
219	CORRIDOR
220	COMM.
221	JANITOR
222	OPERATIONS TRAINING
223	TACTICS
224	DATA MANAGEMENT
225	WOMEN'S LOCKER ROOM
226	MEN'S ROOM
227	COMM.
228	ELEC.
231	MECHANICAL
232	ORDERLY ROOM
233	CORRIDOR
234	OPERATIONS OFFICER
235	1ST SERGEANT
236	XO
237	COMMANDER
238	CONFERENCE ROOM
239	SECRETARY
240	BOOM SUPERVISOR
241	QUALITY
242	CHIEF CARGO LOAD
243	CENTRAL ADMINISTRATION
244	LOBBY
246	STORAGE
247	ACE

DEMOLITION KEY NOTE SCHEDULE

NOTE	DESCRIPTION
1	REMOVE SINK AND COUNTER
2	REMOVE GLASS BLOCK (TYP. THROUGHOUT THE BUILDING)
3	REMOVE LOUVER
4	LOUVER TO REMAIN IF REQUIRED BY NEW MECHANICAL DESIGN
5	REMOVE WALL TO ACCOMMODATE NEW DOOR
6	REMOVE WALL TO ACCOMMODATE NEW WINDOW
7	REMOVE ALL DOWNSPOUTS AND GUTTERS
8	REMOVE AND REPLACE EXISTING PERMANENT SEATING.

DEMOLITION NOTES:

1. RED HIGHLIGHTS INDICATE STRUCTURAL ELEMENT. ALL STRUCTURAL ELEMENTS TO REMAIN.
2. WINDOWS WHICH ARE A PART OF THE SECURED BOUNDARY TO BE REMOVED AND FILLED. SEE SECTION 01 82 00.
3. OVERHEAD DOORS TO BE REMOVED AND FILLED TO MATCH EXISTING CONSTRUCTION
4. NON-STRUCTURAL COLUMNS IN MAIN CORRIDORS TO BE REMOVED WHERE THEY DO NOT ALIGN WITH OVERALL SCHEME OF NEW LAYOUT OR INTERFERE WITH OTHER ELEMENTS. FINISH AROUND STRUCTURAL COLUMNS SHALL BE REMOVED.
5. ALL TOILET ROOM FIXTURES TO BE REMOVED.
6. REMOVE AND FILL ALL EXISTING INTERIOR WINDOWS.

LEGEND:

WALL TO BE REMOVED

DOOR AND DOOR FRAME TO BE REMOVED

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGNED BY: K. JARVIS
DRAWN BY: E. MCCULLOUGH
CHECKED BY: K. JARVIS
SUBMITTED BY: B. GORUP
SIZE: ANSI D

ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
FILE NAME: GFND00100_B631_CM_35 prc.rvt

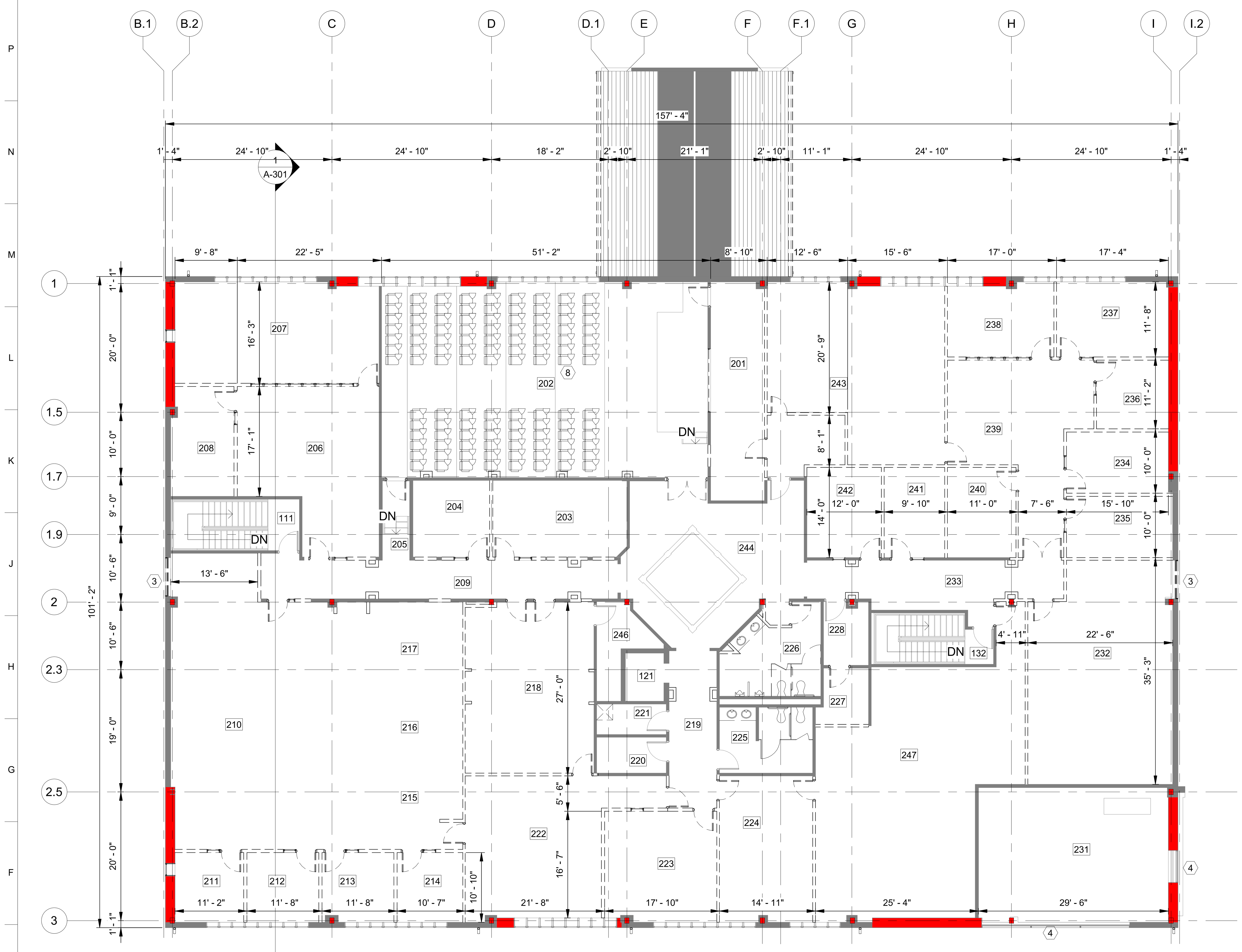
US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE.
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

FIRST FLOOR DEMOLITION PLAN

SHEET ID

AD110



1 SECOND FLOOR DEMOLITION PLAN

3/32" = 1'-0"

DEMOLITION NOTES:

1. RED HIGHLIGHTS INDICATE STRUCTURAL ELEMENT. ALL STRUCTURAL ELEMENTS TO REMAIN.
2. WINDOWS WHICH ARE A PART OF THE SECURED BOUNDARY TO BE REMOVED AND FILLED. SEE SECTION 01 82 00.
3. OVERHEAD DOORS TO BE REMOVED AND FILLED TO MATCH EXISTING CONSTRUCTION
4. NON-STRUCTURAL COLUMNS IN MAIN CORRIDORS TO BE REMOVED WHERE THEY DO NOT ALIGN WITH OVERALL SCHEME OF NEW LAYOUT OR INTERFERE WITH OTHER ELEMENTS. FINISH AROUND STRUCTURAL COLUMNS SHALL BE REMOVED.
5. ALL TOILET ROOM FIXTURES TO BE REMOVED.
6. REMOVE AND FILL ALL EXISTING INTERIOR WINDOWS.

LEGEND:

WALL TO BE REMOVED

DOOR AND DOOR FRAME TO BE REMOVED

DEMOLITION KEY NOTE SCHEDULE

NOTE	DESCRIPTION
1	REMOVE SINK AND COUNTER
2	REMOVE GLASS BLOCK (TYP. THROUGHOUT THE BUILDING)
3	REMOVE LOUVER
4	LOUVER TO REMAIN IF REQUIRED BY NEW MECHANICAL DESIGN
5	REMOVE WALL TO ACCOMMODATE NEW DOOR
6	REMOVE WALL TO ACCOMMODATE NEW WINDOW
7	REMOVE ALL DOWNSPOUTS AND GUTTERS
8	REMOVE AND REPLACE EXISTING PERMANENT SEATING.

EXISTING ROOM SCHEDULE

NOTE	DESCRIPTION
100	VESTIBULE
102	CORRIDOR
103	SCHEDULING
104	MAINTENANCE TRAINING ULLC
105	TRAINING NCOIC
106	NIGHT VISION GOGGLE TEST CENTER
107	LS LSO/NCOIC
108	CLASSROOM
109	CORRIDOR
110	MOCK UP DECON/SURVIVAL TRAINING ROOM
111	STAIR #1
112	LS/MOBILITY STORAGE
113	CORRIDOR
114	VESTIBULE
115	LS STAGING/STOR.
116	EXPLOSIVES/FLARE STOR.
117	HELMET MAINTENANCE/OXYGEN MASK REPAIR
118	HELMET / CHEMICAL STOR./ISSUE
121	
122	ELEVATOR
123	ELEV. EQUIPMENT
124	VESTIBULE
125	CORRIDOR
126	LOBBY
127	SMALL COMPUTER STORAGE
128	VENDING ROOM
129	BREAK ROOM
130	COMM.
131	ELEC.
132	STAIR #2
133	CORRIDOR
134	TAIL BIN
135	UTILITY ROOM
136	OUTSIDE STORAGE
137	MECHANICAL
138	TOOL BENCH
139	HAZARD STORAGE
140	ISSUE
141	TO LIBRARY
142	READY ROOM
143	VESTIBULE
145	PRO. SUPER
146	MAINTENANCE
147	CONFERENCE ROOM
148	MAINTENANCE SUPERVISOR
149	ELEMENT A
150	CORRIDOR
151	MAINTENANCE ADMIN.
152	ELEMENT B
154	MAINTENANCE INFORMATION CONTROL
155	MAINTENANCE DEBRIEF
156	WOMEN'S LOCKER ROOM
157	WOMEN
158	FITNESS ROOM
159	MEN'S LOCKER ROOM
160	MEN'S ROOM
161	JANITOR
162	TOOL ISSUE
201	PROJECTION ROOM
202	BRIEFING ROOM
203	FLIGHT GROUND SAFETY
204	MOBILITY
205	STAIR
206	STANDARDS/EVALUATIONS
207	TESTING ROOM
208	MANUAL CONTROL
209	CORRIDOR
210	FLIGHT COMMANDER STAFF
211	FLIGHT COMMANDER
212	FLIGHT COMMANDER
213	FLIGHT COMMANDER
214	TRAINING CHIEF
215	FLIGHT PLANNING
216	FLIGHT PLANNING
217	FLIGHT PLANNING
218	CLASSROOM
219	CORRIDOR
220	COMM.
221	JANITOR
222	OPERATIONS TRAINING
223	TACTICS
224	DATA MANAGEMENT
225	WOMEN'S LOCKER ROOM
226	MEN'S ROOM
227	COMM.
228	ELEC.
231	MECHANICAL
232	ORDERLY ROOM
233	CORRIDOR
234	OPERATIONS OFFICER
235	1ST SERGEANT
236	XO
237	COMMANDER
238	CONFERENCE ROOM
239	SECRETARY
240	BOOM SUPERVISOR
241	QUALITY
242	CHIEF CARGO LOAD
243	CENTRAL ADMINISTRATION
244	LOBBY
246	STORAGE
247	ACE

NORTH

0 4' 8' 16' 24'

US Army Corps of Engineers ®

DATE | DESCRIPTION | MARK

DESIGNED BY: K. JARVIS
DRAWN BY: E. MCCULLOUGH
CHECKED BY: K. JARVIS
SUBMITTED BY: B. GORUP
SIZE: ANSI D
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
FILE NAME: GFND00100_B631_CM_35 prc.rvt

US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE.
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

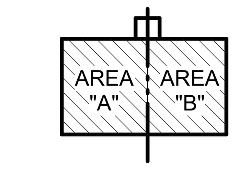
SECOND FLOOR DEMOLITION PLAN

SHEET ID

AD120

US Army Corps of Engineers ®

KEYPLAN - FIRST FLOOR



1 COMPOSITE FIRST FLOOR PLAN

3/32" = 1'-0"

ROOM SCHEDULE - 1ST FLOOR

ROOM #	NAME	AREA
099	COMM HUT	678 SF
099A	MECHANICAL YARD	590 SF
101	TRANSITION/LANDING ZONE	392 SF
102	HERITAGE ROOM	1294 SF
102A	RECYCLING ROOM	104 SF
103	NURSING ROOM	80 SF
104	LOCKERS	111 SF
105	SECURE COMM-1	245 SF
106	SIM SERVERS #1	814 SF
107	SIM #1	161 SF
108	SIM #2	161 SF
109	SIM #3	162 SF
110	SIM SUPPORT #1	520 SF
111	SIM BRIEFING ROOM #1	306 SF
112	SIM BRIEFING ROOM #2	211 SF
113	SIM BRIEFING ROOM #3	263 SF
114	NETWORK OPS	783 SF
114A	JUA COMM SERVERS	978 SF
114B	NETWORK OPS UTILITY	227 SF
115	SIM SERVERS #2	854 SF
116	SIM #4	157 SF
117	SIM #5	157 SF
118	SIM #6	157 SF
119	SIM SUPPORT #2	505 SF
120	SIM BRIEFING ROOM #6	195 SF
121	SIM BRIEFING ROOM #5	208 SF
122	SIM BRIEFING ROOM #4	205 SF
123	OPS SUPPORT/STEP DESK	340 SF
124	SECURITY OFFICE	226 SF
125	EXEC/CSS OFFICE	409 SF
125A	SQUADRON COMMANDER'S OFFICE	171 SF
125B	DS OFFICE	121 SF
125C	SENIOR ENLISTED ADVISOR OFFICE	120 SF
125D	1ST SERGEANT OFFICE	120 SF
126	SQUADRON CONF. ROOM	409 SF
127	COMM-IT OPEN OFFICE	458 SF
128	CONTRACTOR OFFICE	322 SF
129	PLANNING SUPPORT	428 SF
130	STUDENT FLIGHT ROOM	427 SF
131	STUDENT FLIGHT ROOM	413 SF
132	STUDENT FLIGHT ROOM	431 SF
133	ACADEMIC CLASSROOM	340 SF
134	ACADEMIC CLASSROOM	345 SF
135	ACADEMIC CLASSROOM	666 SF
COMM-1	COMM ENTRANCE ROOM	61 SF
COMM-3	UNCL. COMM	68 SF
COR-1	CORRIDOR	204 SF
COR-2	CORRIDOR	318 SF
COR-3	MAIN CORRIDOR	1131 SF
COR-4	CORRIDOR	103 SF
COR-5	CORRIDOR	803 SF
COR-6	SIM CORRIDOR	673 SF
COR-7	SIM CORRIDOR	320 SF
COR-8	CORRIDOR	856 SF
COR-9	CORRIDOR	132 SF
ELEC-1	ELEC.	68 SF
MECH-1	MECH. ROOM	597 SF
MEN-1	MEN'S	194 SF
MEN-2	MEN'S	360 SF
ST-1	STAIR 1	132 SF
ST-2	STAIR 2	152 SF
UTL-1	JANITOR'S CLOSET	64 SF
UTL-2	ELEV. EQ.	137 SF
VEST-1	VESTIBULE	64 SF
WOM-1	WOMEN'S	193 SF
WOM-2	WOMEN'S	213 SF

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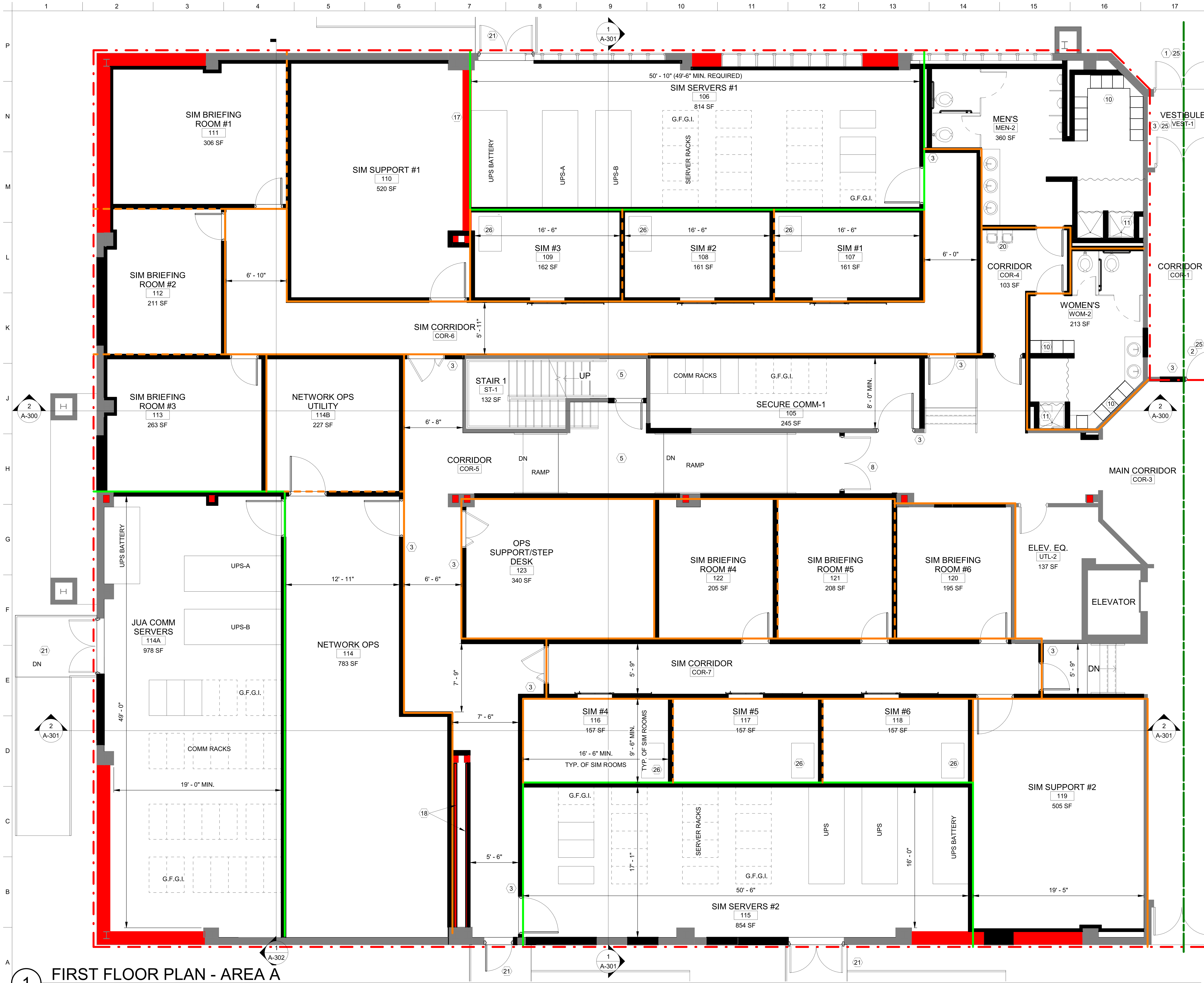
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

1ST FLOOR COMPOSITE PLAN

SHEET ID

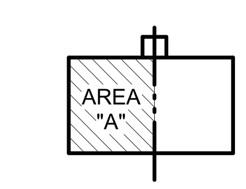
A-110



1 FIRST FLOOR PLAN - AREA A

3/16" = 1'-0"

KEYPLAN - FIRST FLOOR



LEGEND:

- NEW WALL
- EXISTING WALL
- STRUCTURAL ELEMENT

GENERAL NOTES:
1. SEE A-110 FOR LOCATIONS OF STC RATED WALLS
2. SEE F-111 FOR LOCATIONS OF FIRE RATED WALLS

KEY NOTE SCHEDULE

NOTE	DESCRIPTION
1	UNLOCKED DOOR 24/7
2	DOOR WITH FF-L-2890 COMPLIANT LOCK
3	PROVIDE CARD READER WITH PIN
5	PROVIDE LANDING IN STAIRWELL TWO RISERS HIGH. CORRECT HANDRAILS TO ACCOMMODATE NEW STAIR CONFIGURATION. INTERMEDIATE RAMP LANDING TO MATCH NEW STIAR LANDING HEIGHT.
6	ABA DESIGNATED SEATING
7	FILL ATRIUM AT 2ND FLOOR LEVEL WITH LAMINATED GLASS
8	DOORS TO HAVE MAGNETIC HOLD OPENS AND FUSIBLE LINKS
9	DOOR TO HAVE MAGNETIC HOLD OPEN
10	PROVIDE DOUBLE TIER LOCKERS
11	PROVIDE ABA FOLDABLE SHOWER SEAT
12	EXISTING LOUVER
13	PROVIDE CELLPHONE LOCKERS
14	PROVIDE SHELVING FOR STORAGE
15	PROVIDE FIRE RATED INTERIOR WINDOWS
16	PROVIDE HALF WALL AT 3'-6" HIGH WITH SOLID SURFACE CAP
17	EXISTING BRACED WALL
18	EXISTING STRUCTURAL BRACING
19	PROVIDE NEW WINDOWS, MATCH EXISTING WINDOWS
20	DRINKING .PROVIDE AT LEAST ONE WITH A BOTTLE FILLER.
21	6' WIDE ABA RAMP
22	SEMI-RECESSED DRINKING FOUNTAINS. PROVIDE AT LEAST ONEWITH A BOTTLE FILLER.
23	ABA LIFT
25	DOOR WITH ABA DOOR ACTUATORS ON BOTH SIDES OF DOORS
26	SOUND ATTENUATING RACK - SEE ICD ANNEX A

FIRST FLOOR PLAN LEGEND:

- STC 50 SECURE WORK AREA BOUNDARY
- STC 50 RATED WALLS - STRUCTURAL FLOOR TO STRUCTURAL CEILING
- STC 45 RATED WALLS - FROM RAISED ACCESS FLOOR (OR CONC. DECK IF NO R.A.F.) TO 12" ABOVE FINISHED CEILING
- STC 45 RATED WALLS - STRUCTURAL FLOOR TO STRUCTURAL CEILING

NORTH

0 2' 4' 8' 12'

US Army Corps of Engineers ®

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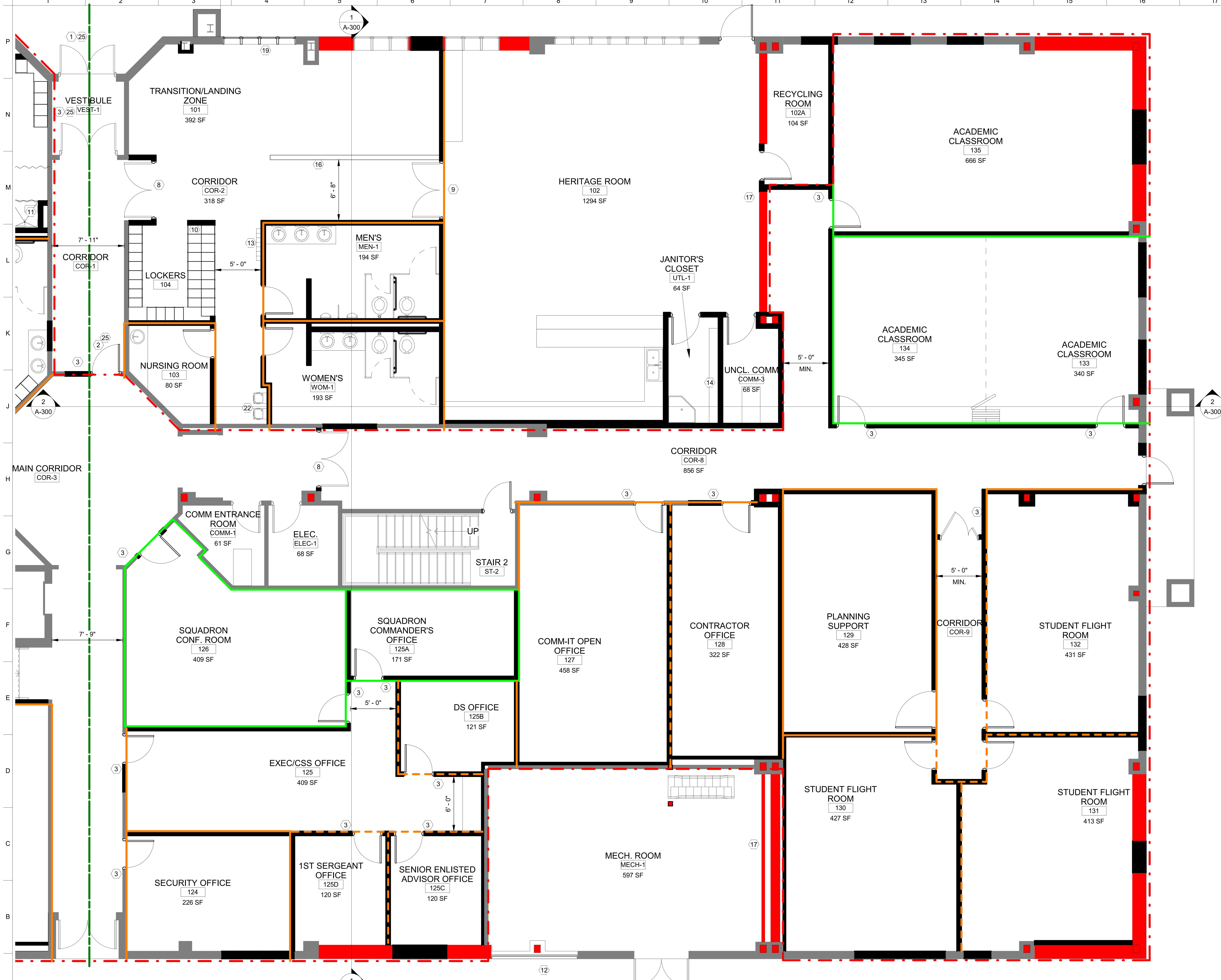
1ST FLOOR AREA PLAN A

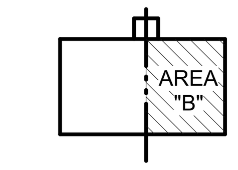
SHEET ID

A-111



1 FIRST FLOOR PLAN - AREA B
3/16" = 1'-0"

KEYPLAN - FIRST FLOOR



LEGEND:

- NEW WALL
- EXISTING WALL
- STRUCTURAL ELEMENT

GENERAL NOTES:
1. SEE A-110 FOR LOCATIONS OF STC RATED WALLS
2. SEE F-111 FOR LOCATIONS OF FIRE RATED WALLS

KEY NOTE SCHEDULE

NOTE	DESCRIPTION
1	UNLOCKED DOOR 24/7
2	DOOR WITH FF-L-2890 COMPLIANT LOCK
3	PROVIDE CARD READER WITH PIN
5	PROVIDE LANDING IN STAIRWELL TWO RISERS HIGH. CORRECT HANDRAILS TO ACCOMMODATE NEW STAIR CONFIGURATION. INTERMEDIATE RAMP LANDING TO MATCH NEW STIAR LANDING HEIGHT.
6	ABA DESIGNATED SEATING
7	FILL ATRIUM AT 2ND FLOOR LEVEL WITH LAMINATED GLASS
8	DOORS TO HAVE MAGNETIC HOLD OPENS AND FUSIBLE LINKS
9	DOOR TO HAVE MAGNETIC HOLD OPEN
10	PROVIDE DOUBLE TIER LOCKERS
11	PROVIDE ABA FOLDABLE SHOWER SEAT
12	EXISTING LOUVER
13	PROVIDE CELLPHONE LOCKERS
14	PROVIDE SHELVING FOR STORAGE
15	PROVIDE FIRE RATED INTERIOR WINDOWS
16	PROVIDE HALF WALL AT 3'-6" HIGH WITH SOLID SURFACE CAP
17	EXISTING BRACED WALL
18	EXISTING STRUCTURAL BRACING
19	PROVIDE NEW WINDOWS, MATCH EXISTING WINDOWS
20	DRINKING .PROVIDE AT LEAST ONE WITH A BOTTLE FILLER.
21	6' WIDE ABA RAMP
22	SEMI-RECESSED DRINKING FOUNTAINS. PROVIDE AT LEAST ONEWITH A BOTTLE FILLER.
23	ABA LIFT
25	DOOR WITH ABA DOOR ACTUATORS ON BOTH SIDES OF DOORS
26	SOUND ATTENUATING RACK - SEE ICD ANNEX A

FIRST FLOOR PLAN LEGEND:

- STC 50 SECURE WORK AREA BOUNDARY
- STC 50 RATED WALLS - STRUCTURAL FLOOR TO STRUCTURAL CEILING
- STC 45 RATED WALLS - FROM RAISED ACCESS FLOOR (OR CONC. DECK IF NO R.A.F.) TO 12" ABOVE FINISHED CEILING
- STC 45 RATED WALLS - STRUCTURAL FLOOR TO STRUCTURAL CEILING

NORTH 0 2' 4' 8' 12'

US Army Corps of Engineers ®

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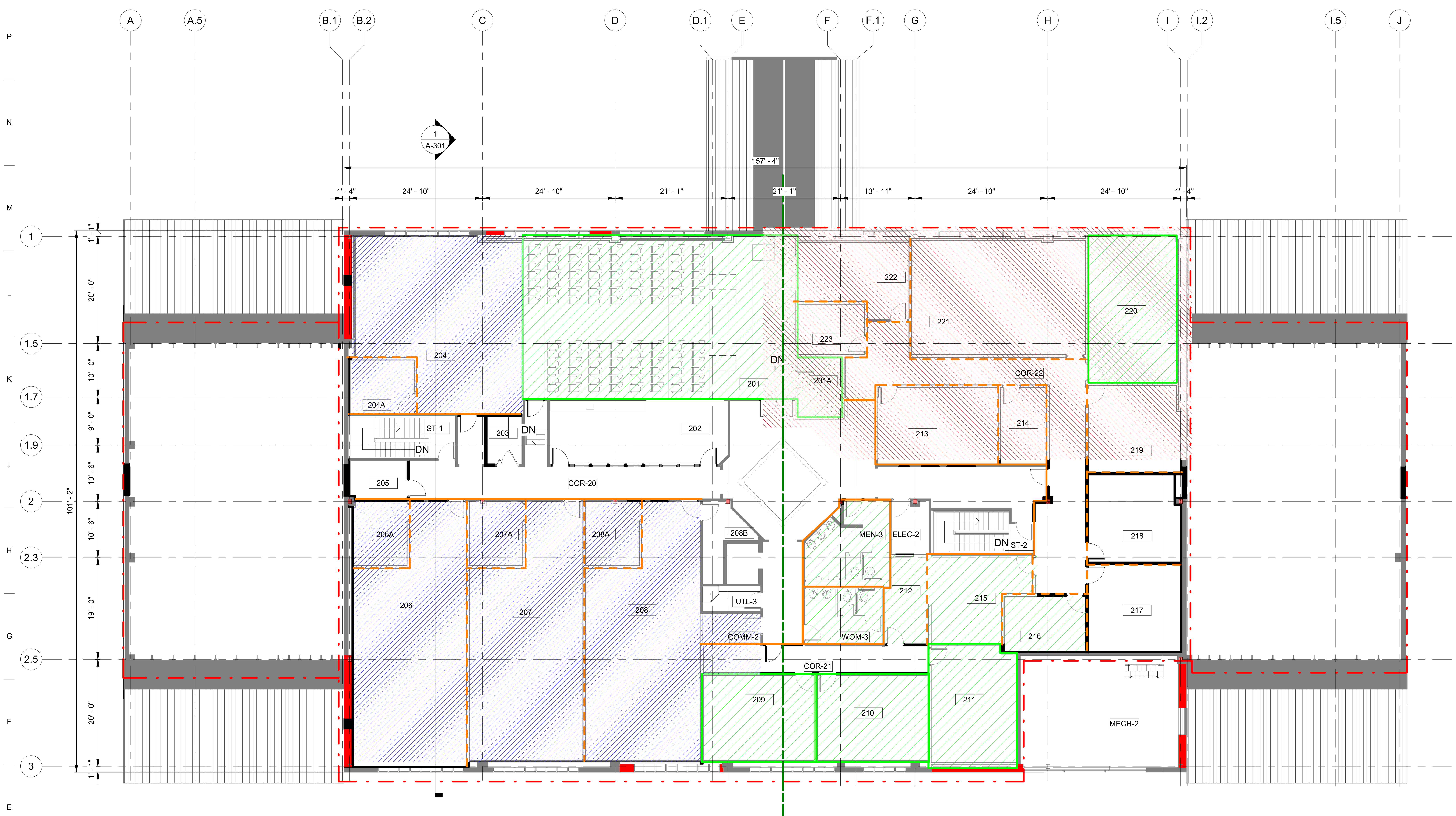
1ST FLOOR AREA PLAN B

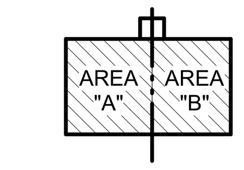
SHEET ID
A-112



1 COMPOSITE SECOND FLOOR PLAN

3/32" = 1'-0"

KEYPLAN - FIRST FLOOR



ROOM SCHEDULE - 2ND FLOOR		
ROOM #	NAME	AREA
201	MASS BRIEFING ROOM	1498 SF
201A	AV ROOM	93 SF
202	BREAK ROOM	395 SF
203	SECURED COMM-2	58 SF
204	CONTRACTOR FLIGHT ROOM	895 SF
204A	FLIGHT COMMANDER OFFICE	120 SF
205	STORAGE	75 SF
206	FLIGHT ROOM	914 SF
206A	FLIGHT COMMANDER OFFICE	120 SF
207	FLIGHT ROOM	894 SF
207A	FLIGHT COMMANDER OFFICE	119 SF
208	FLIGHT ROOM	906 SF
208A	FLIGHT COMMANDER OFFICE	120 SF
208B	STORAGE	87 SF
209	BRIEFING ROOM "A"	330 SF
210	BRIEFING ROOM "A"	330 SF
211	BRIEFING ROOM "B"	341 SF
212	STORAGE	126 SF
213	WEAPON/TACTICS OFFICE	322 SF
214	COPY ROOM	122 SF
215	ADO OFFICE	257 SF
216	DO OFFICE	156 SF
217	SCHEDULING OFFICE	278 SF
218	TRAINING OFFICE	272 SF
219	STANDARDS/EVAL OFFICE	276 SF
220	CONFERENCE ROOM	450 SF
221	INTEL OFFICE	694 SF
222	SARM OFFICE	255 SF
223	IFC OFFICE	118 SF
COMM-2	UNCLASS COMM.	60 SF
COR-20	MAIN CORRIDOR	1426 SF
COR-21	CORRIDOR	210 SF
COR-22	CORRIDOR	607 SF
ELEC-2	ELEC.	67 SF
MECH-2	MECH. ROOM	615 SF
MEN-3	MEN'S	194 SF
UTL-3	JANITOR	51 SF
WOM-3	WOMEN'S	146 SF

SECOND FLOOR PLAN LEGEND:

- STC-50 SECURED BOUNDARY
- STC-50 WALL TRUE FLOOR TO STRUCTURAL DECK
- STC-50 2ND FL. FLOORS / 1ST FL. CEILING FOR EITHER: A) 2ND FLOOR ROOM ENCLOSED BY STC-50 WALLS, OR B) 1ST FLOOR ROOM ENCLOSED BY STC-50 WALLS
- STC-47 2ND FL. FLOORS / 1ST FL. CEILING FOR EITHER: A) 2ND FLOOR ROOM ENCLOSED BY STC-47 WALLS, OR B) 1ST FLOOR ROOM ENCLOSED BY STC-47 WALLS
- STC-50 SECURED BOUNDARY FLOOR (UNSECURED AREA BELOW)

NORTH

0 4' 8' 16' 24'

US Army Corps of Engineers ®

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DISASTER RESILIENCY PROGRAM
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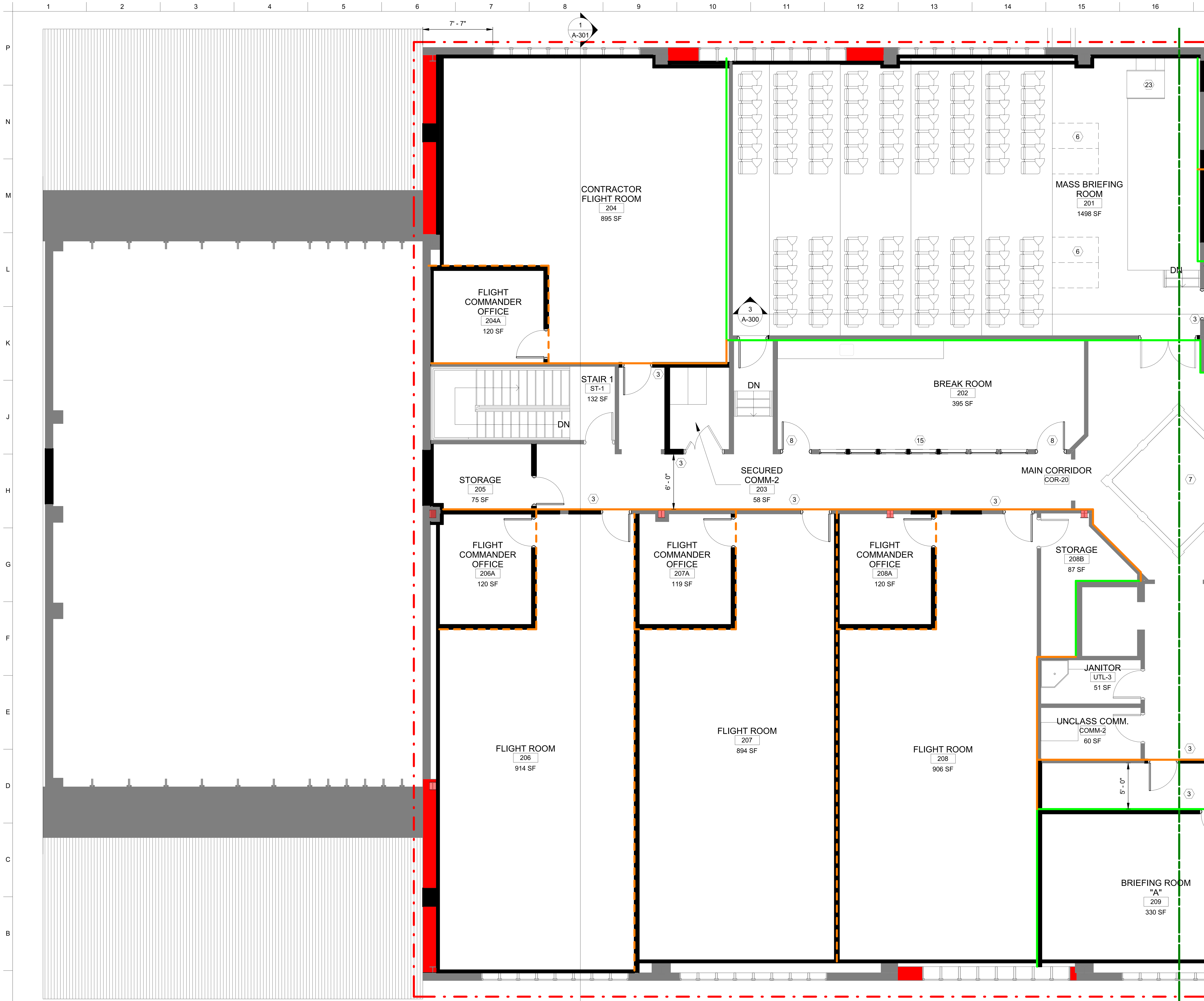
2ND FLOOR COMPOSITE PLAN

SHEET ID

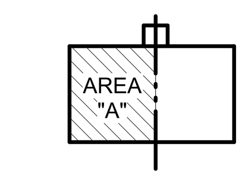
A-120



1 SECOND FLOOR PLAN - AREA A

3/16" = 1'-0"

KEYPLAN - FIRST FLOOR



LEGEND:

- NEW WALL
- EXISTING WALL
- STRUCTURAL ELEMENT

GENERAL NOTES:
1. SEE A-120 FOR LOCATIONS OF STC RATED WALLS
2. SEE F-112 FOR LOCATIONS OF FIRE RATED WALLS

KEY NOTE SCHEDULE

NOTE	DESCRIPTION
1	UNLOCKED DOOR 24/7
2	DOOR WITH FF-L-2890 COMPLIANT LOCK
3	PROVIDE CARD READER WITH PIN
5	PROVIDE LANDING IN STAIRWELL TWO RISERS HIGH. CORRECT HANDRAILS TO ACCOMMODATE NEW STAIR CONFIGURATION. INTERMEDIATE RAMP LANDING TO MATCH NEW STIAR LANDING HEIGHT.
6	ABA DESIGNATED SEATING
7	FILL ATRIUM AT 2ND FLOOR LEVEL WITH LAMINATED GLASS
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9	DOOR TO HAVE MAGNETIC HOLD OPEN
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16	PROVIDE HALF WALL AT 3'-6" HIGH WITH SOLID SURFACE CAP
17	EXISTING BRACED WALL
18	EXISTING STRUCTURAL BRACING
19	PROVIDE NEW WINDOWS, MATCH EXISTING WINDOWS
20	DRINKING .PROVIDE AT LEAST ONE WITH A BOTTLE FILLER.
21	6' WIDE ABA RAMP
22	SEMI-RECESSED DRINKING FOUNTAINS. PROVIDE AT LEAST ONEWITH A BOTTLE FILLER.
23	ABA LIFT
25	DOOR WITH ABA DOOR ACTUATORS ON BOTH SIDES OF DOORS
26	SOUND ATTENUATING RACK - SEE ICD ANNEX A

2ND FLOOR STC RATING LEGEND

- STC 50 BOUNDARY WALL
- STC 50 WALLS FROM FLOOR TO STRUCTURAL DECK
- STC 45 WALLS FROM FLOOR TO 12" ABOVE FINISHED CEILING
- STC 45 - WALLS CONSTRUCTED FROM FLOOR TO STRUCTURAL DECK. INSULATION FROM FLOOR TO 12" ABOVE FINISHED CEILING

NORTH

0 2' 4' 8' 12'

US Army Corps of Engineers ®

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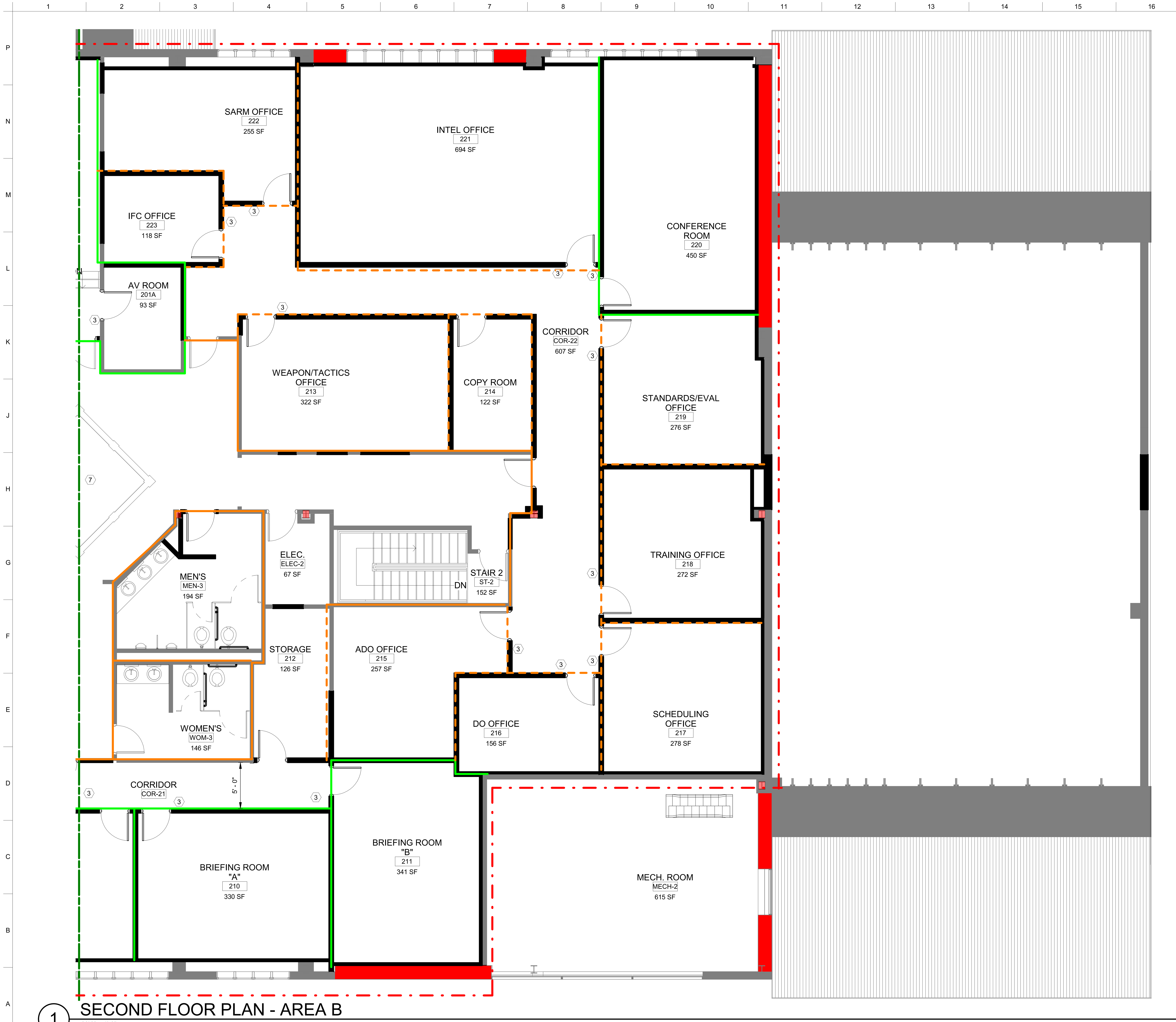
2ND FLOOR AREA PLAN A

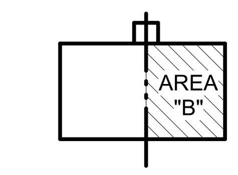
SHEET ID

A-121



1
SECOND FLOOR PLAN - AREA B
3/16" = 1'-0"

KEYPLAN - FIRST FLOOR



LEGEND:

- NEW WALL
- EXISTING WALL
- STRUCTURAL ELEMENT

GENERAL NOTES:
1. SEE A-120 FOR LOCATIONS OF STC RATED WALLS
2. SEE F-112 FOR LOCATIONS OF FIRE RATED WALLS

KEY NOTE SCHEDULE

NOTE	DESCRIPTION
1	UNLOCKED DOOR 24/7
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18	EXISTING STRUCTURAL BRACING
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20	DRINKING .PROVIDE AT LEAST ONE WITH A BOTTLE FILLER.
21	6' WIDE ABA RAMP
22	SEMI-RECESSED DRINKING FOUNTAINS. PROVIDE AT LEAST ONEWITH A BOTTLE FILLER.
23	ABA LIFT
25	DOOR WITH ABA DOOR ACTUATORS ON BOTH SIDES OF DOORS
26	SOUND ATTENUATING RACK - SEE ICD ANNEX A

2ND FLOOR STC RATING LEGEND

- STC 50 BOUNDARY WALL
- STC 50 WALLS FROM FLOOR TO STRUCTURAL DECK
- STC 45 WALLS FROM FLOOR TO 12" ABOVE FINISHED CEILING
- STC 45 - WALLS CONSTRUCTED FROM FLOOR TO STRUCTURAL DECK. INSULATION FROM FLOOR TO 12" ABOVE FINISHED CEILING

NORTH

0 2' 4' 8' 12'

US Army Corps of Engineers ®

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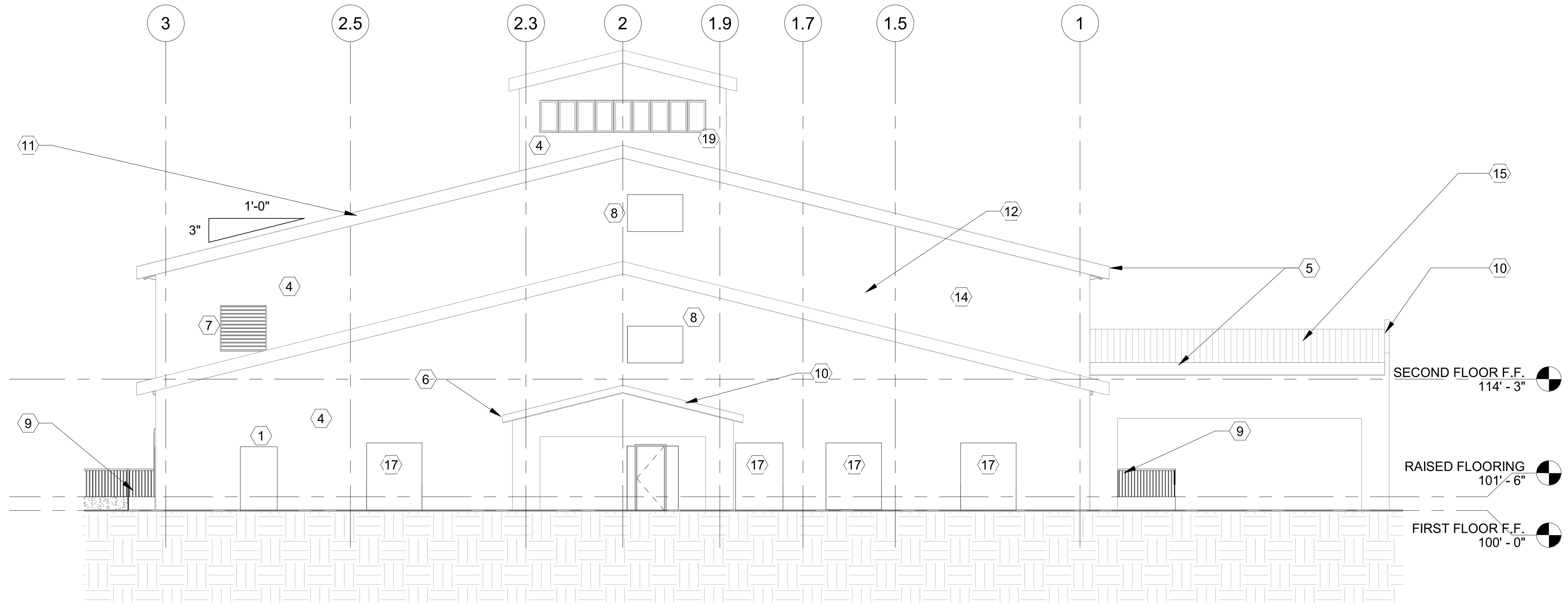
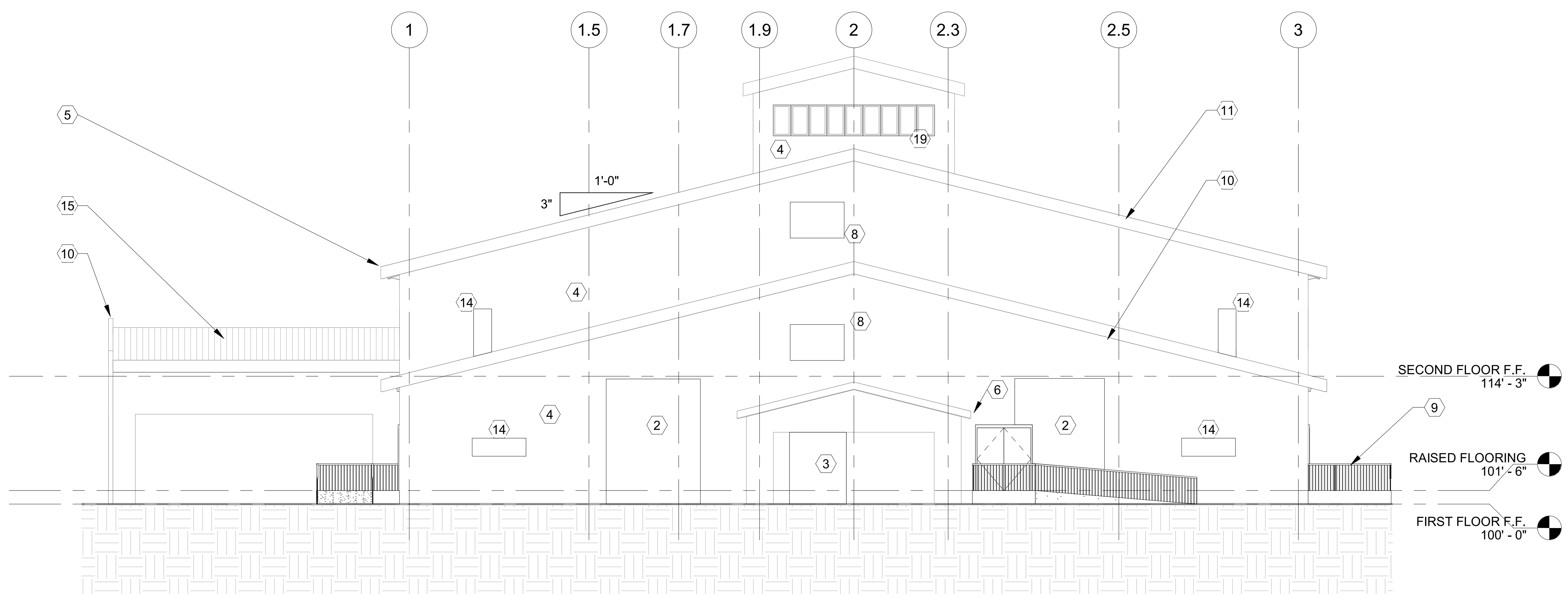
2ND FLOOR AREA PLAN B

SHEET ID

A-122



1 SOUTH ELEVATION
3/32" = 1'-0"



2 NORTH ELEVATION
3/32" = 1'-0"

ELEVATIONS KEYED NOTES SCHEDULE

NOTE	DESCRIPTION
1	REMOVE DOOR AND FILL WITH EXISTING WALL ASSEMBLY
2	REMOVE EXISTING OVERHEAD DOOR AND FILL OPENING WITH EIFS, MATCH EXISTING.
3	FILL ENTRANCE WITH EXISTING WALL ASSEMBLY
4	EXISTING EXTERIOR INSULATION FINISHING SYSTEM (EIFS)
5	REMOVE AND REPLACE 8" HT. GUTTER
6	REMOVE AND REPLACE 5" HT. GUTTER
7	EXISTING LOUVER CAN REMAIN IF REQUIRED BY NEW MECHANICAL ROOM LAYOUT.
8	REMOVE LOUVER AND FILL OPENING WITH EIFS, MATCH EXISTING.
9	NEW RAMP
10	EXISTING FACTORY-FINISHED METAL COPING
11	EXISTING FACTORY-FINISHED METAL FASCIA
12	EXISTING FACTORY-FINISHED METAL PANEL
13	REPLACE FACTORY-FINISHED METAL PANEL WITH NEW METAL RIBBED PANEL, MATCH EXISTING.
14	REMOVE WINDOW (TYP.) AND FILL OPENING WITH EIFS, MATCH EXISTING.
15	EXISTING FACTORY-FINISHED STANDING SEAM METAL ROOF
16	REMOVE AND FILL WINDOWS WITH EXTERIOR INSULATION FINISHING SYSTEM (EIFS), MATCH EXISTING.
17	REMOVE AND FILL WINDOWS AND METAL PANELS WITH EXTERIOR INSULATION FINISHING SYSTEM (EIFS), MATCH EXISTING.
18	NEW WINDOWS AND METAL PANELS, MATCH EXISTING.
19	EXISTING WINDOWS TO REMAIN. PROVIDE IDS.
20	REMOVE EXISTING GLASS PANELS AND REPLACE WITH SPANDREL GLAZING.
21	REMOVE EXISTING METAL PANEL AND REPLACE WITH EIFS, MATCH EXISTING.

0 4' 8' 16' 24'

US Army Corps of Engineers ®

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US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE.
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

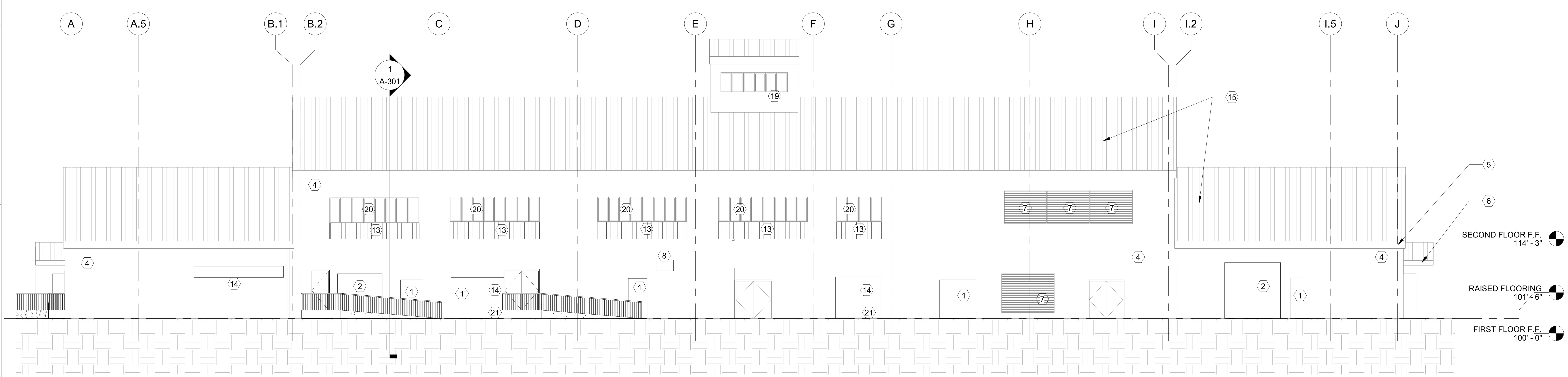
NORTH AND SOUTH ELEVATIONS

SHEET ID
A-201

ELEVATIONS KEYED NOTES SCHEDULE

NOTE	DESCRIPTION
1	REMOVE DOOR AND FILL WITH EXISTING WALL ASSEMBLY
2	REMOVE EXISTING OVERHEAD DOOR AND FILL OPENING WITH EIFS, MATCH EXISTING.
3	FILL ENTRANCE WITH EXISTING WALL ASSEMBLY
4	EXISTING EXTERIOR INSULATION FINISHING SYSTEM (EIFS)
5	REMOVE AND REPLACE 8" HT. GUTTER
6	REMOVE AND REPLACE 5" HT. GUTTER
7	EXISTING LOUVER CAN REMAIN IF REQUIRED BY NEW MECHANICAL ROOM LAYOUT.
8	REMOVE LOUVER AND FILL OPENING WITH EIFS, MATCH EXISTING.
9	NEW RAMP
10	EXISTING FACTORY-FINISHED METAL COPING
11	EXISTING FACTORY-FINISHED METAL FASCIA
12	EXISTING FACTORY-FINISHED METAL PANEL
13	REPLACE FACTORY-FINISHED METAL PANEL WITH NEW METAL RIBBED PANEL, MATCH EXISTING.
14	REMOVE WINDOW (TYP.) AND FILL OPENING WITH EIFS, MATCH EXISTING.
15	EXISTING FACTORY-FINISHED STANDING SEAM METAL ROOF
16	REMOVE AND FILL WINDOWS WITH EXTERIOR INSULATION FINISHING SYSTEM (EIFS), MATCH EXISTING.
17	REMOVE AND FILL WINDOWS AND METAL PANELS WITH EXTERIOR INSULATION FINISHING SYSTEM (EIFS), MATCH EXISTING.
18	NEW WINDOWS AND METAL PANELS, MATCH EXISTING.
19	EXISTING WINDOWS TO REMAIN. PROVIDE IDS.
20	REMOVE EXISTING GLASS PANELS AND REPLACE WITH SPANDREL GLAZING.
21	REMOVE EXISTING METAL PANEL AND REPLACE WITH EIFS, MATCH EXISTING.

1 EAST ELEVATION
3/32" = 1'-0"



2 WEST ELEVATION
3/32" = 1'-0"

0 4' 8' 16' 24'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGNED BY: K. JARVIS
DRAWN BY: E. MCCULLOUGH
CHECKED BY: K. JARVIS
SUBMITTED BY: B. GORUP
SIZE: ANSI D
FILE NAME: GFND00100_B631_CM_35 prc.rvt
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:

US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE.
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

EAST AND WEST ELEVATIONS

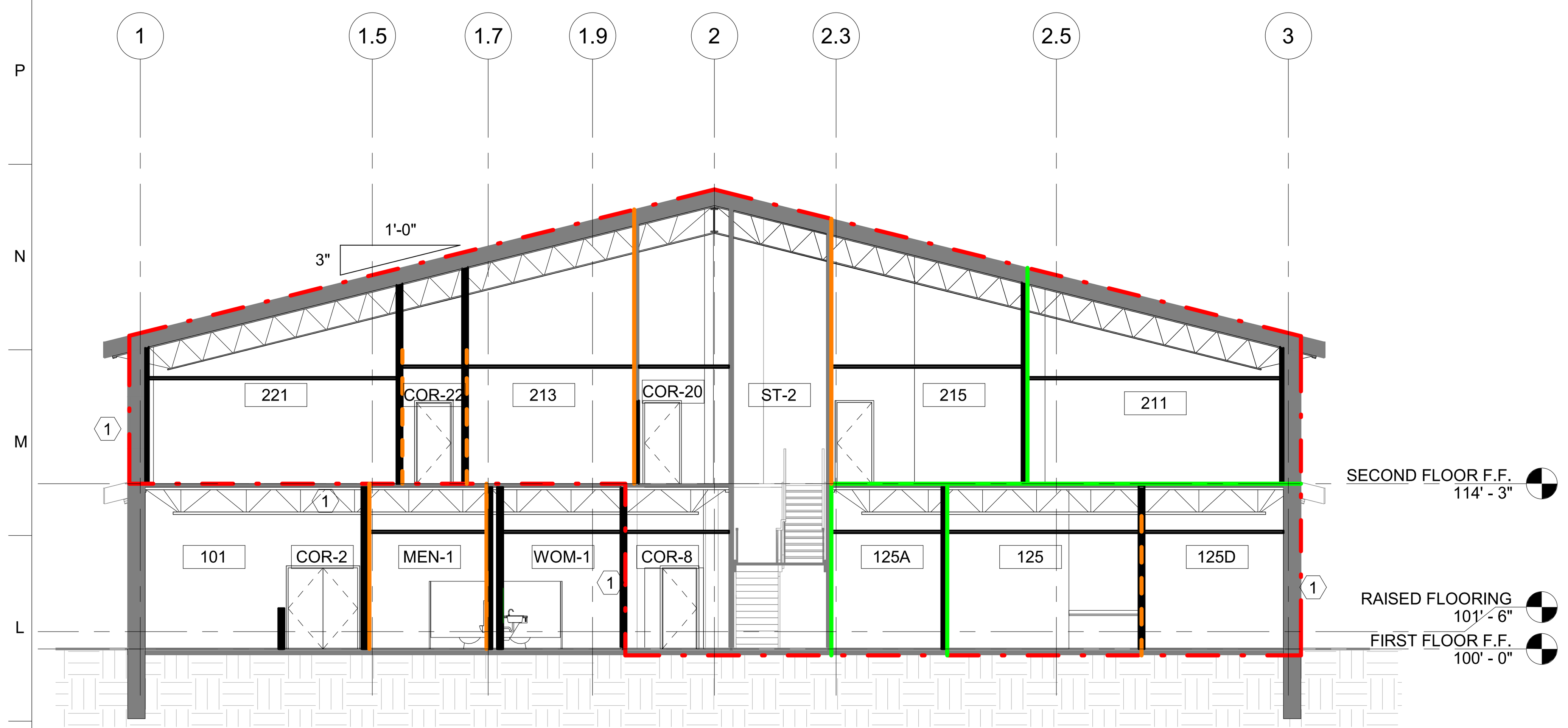
SHEET ID
A-202

NOTES:
1. ALL WALLS WILL BE EXTENDED TO ROOF DECK.

SECTION LEGEND:

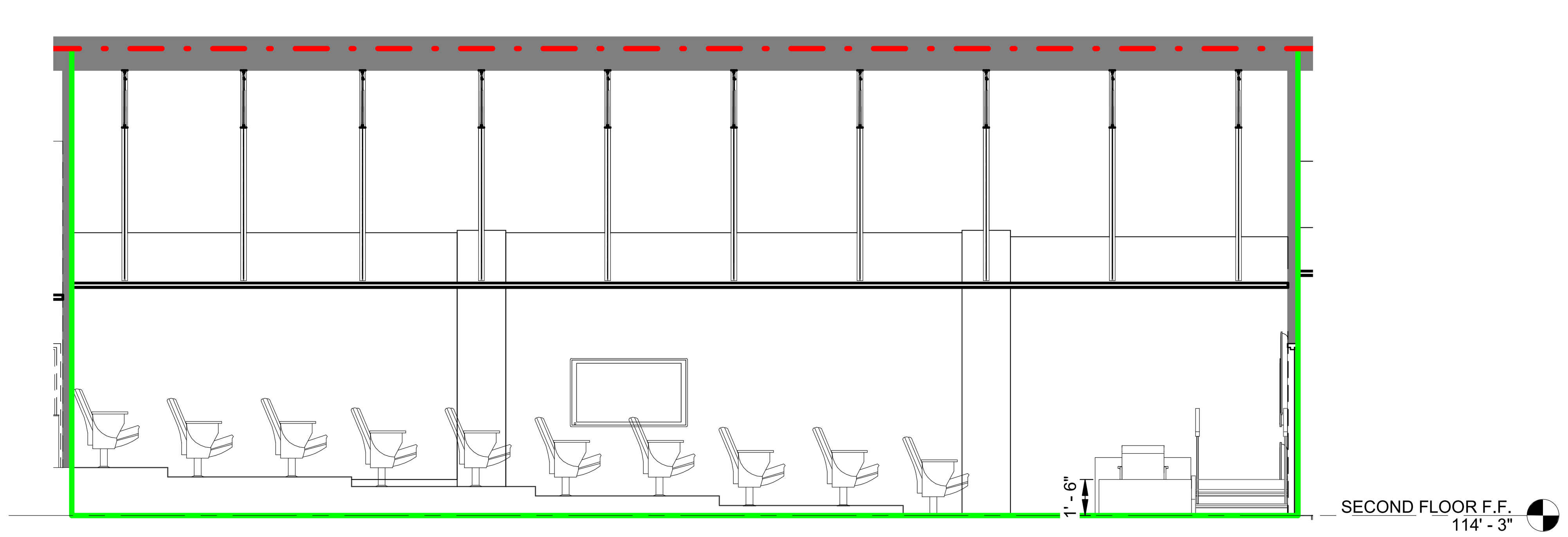
- STC 50 BOUNDARY WALL
- STC 50 WALLS FROM FLOOR TO STRUCTURAL DECK
- STC 45 WALLS FROM FLOOR TO 12" ABOVE FINISHED CEILING
- STC 45 - WALLS CONSTRUCTED FROM FLOOR TO STRUCTURAL DECK. INSULATION FROM FLOOR TO 12" ABOVE FINISHED CEILING

SECTION KEY NOTE SCHEDULE	
NOTE	DESCRIPTION
1	CLEAR BOUNDARY - BOTH SIDES INSPECTABLE



1 BUILDING TRANSVERSE SECTION
3/32" = 1'-0"

2 BUILDING LONGITUDINAL SECTION
3/32" = 1'-0"



3 MASS BRIEFING ROOM SECTION
3/16" = 1'-0"

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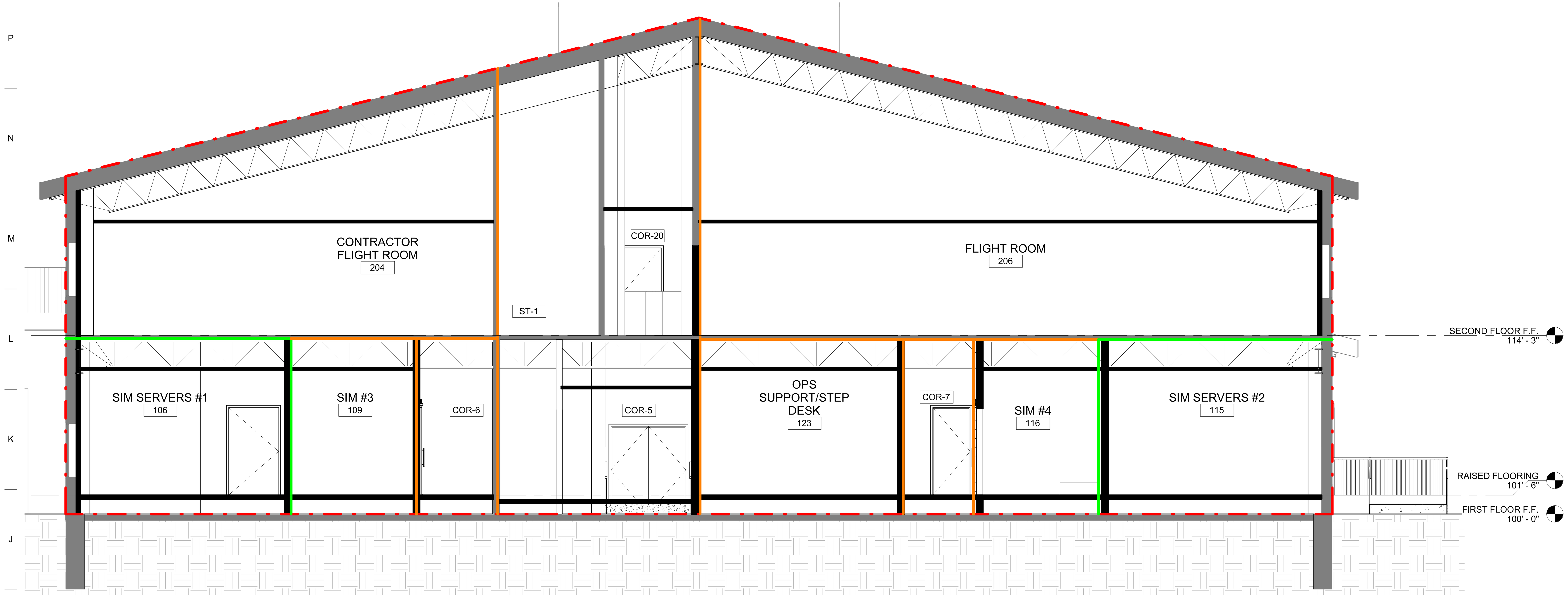
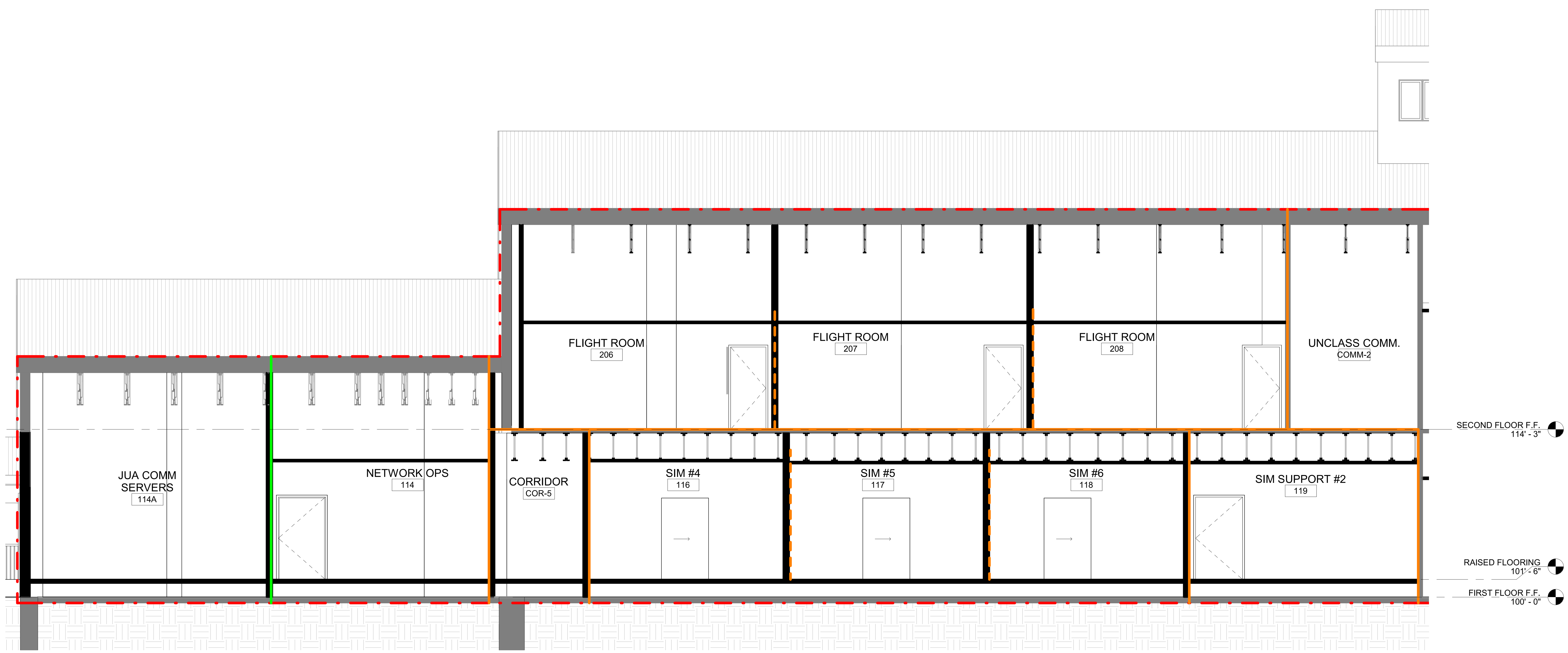
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

BUILDING SECTIONS

SHEET ID
A-300



1 SIM SECTION 1
3/16" = 1'-0"



2 SIM SECTION 2
3/16" = 1'-0"

0 2' 4' 8' 12'

SECTION LEGEND:

- STC 50 BOUNDARY WALL
- STC 50 WALLS FROM FLOOR TO STRUCTURAL DECK
- STC 45 WALLS FROM FLOOR TO 12" ABOVE FINISHED CEILING
- STC 45 - WALLS CONSTRUCTED FROM FLOOR TO STRUCTURAL DECK. INSULATION FROM FLOOR TO 12" ABOVE FINISHED CEILING

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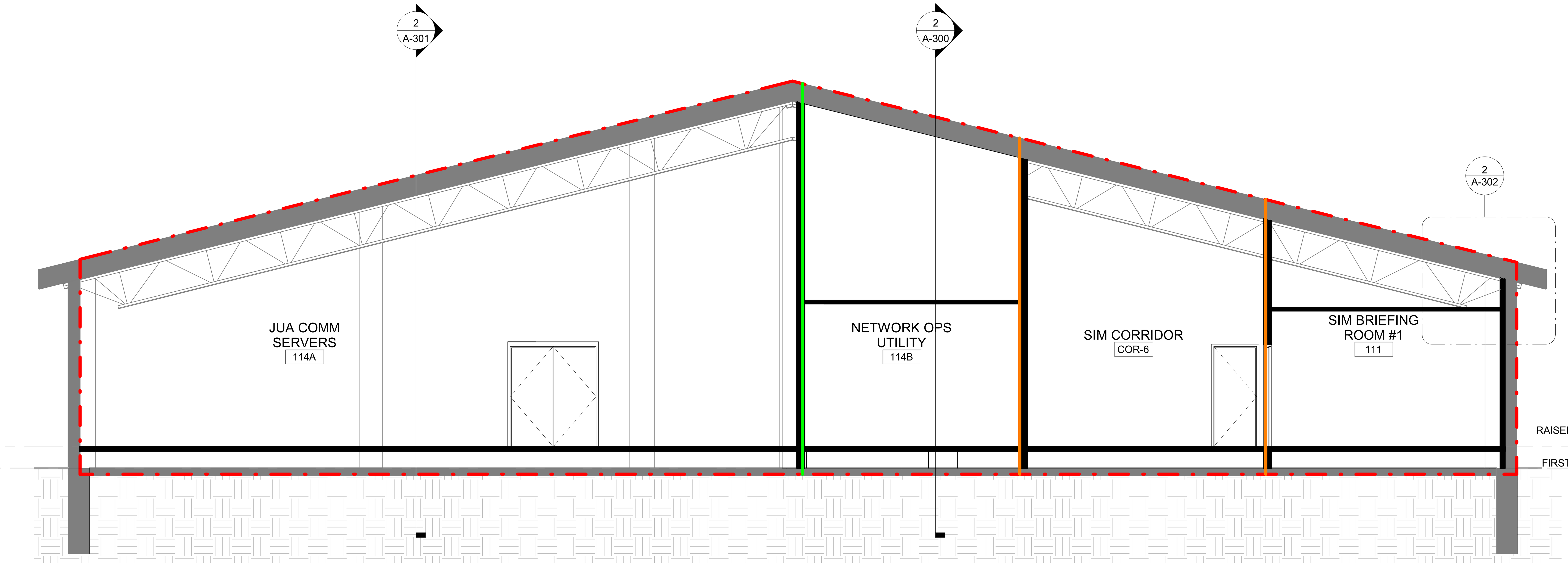
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

SIM SECTIONS

SHEET ID
A-301



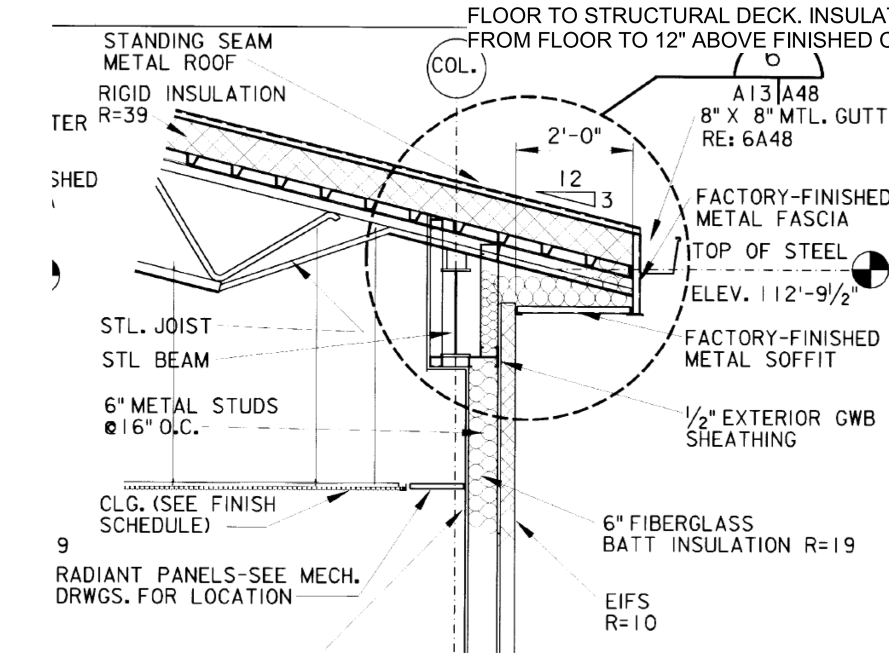
1 SIM SECTION 3

3/16" = 1'-0"

0 2' 4' 8' 12'

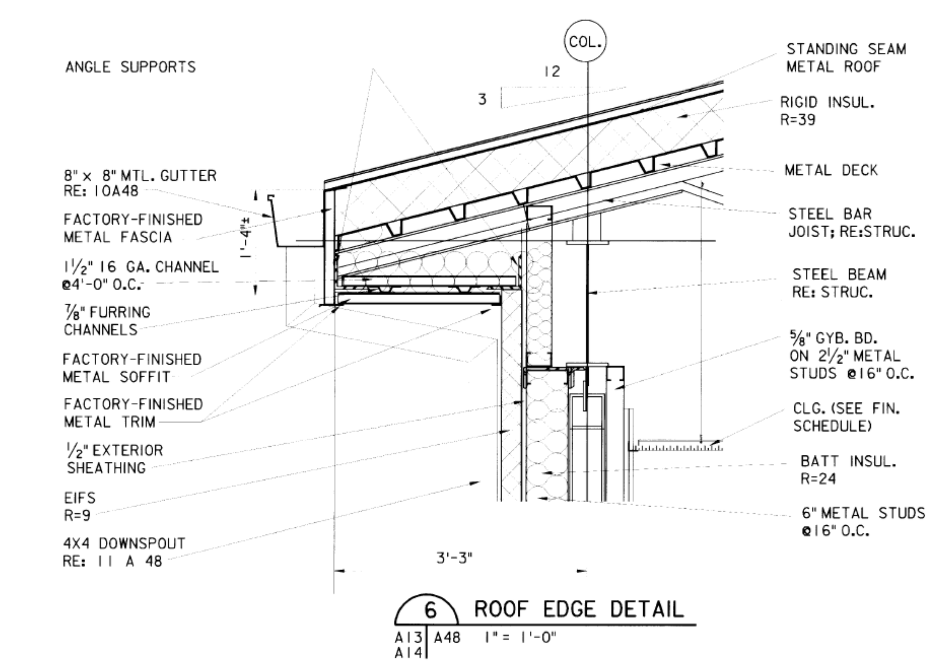
SECTION LEGEND:

- STC 50 BOUNDARY WALL
- STC 50 WALLS FROM FLOOR TO STRUCTURAL DECK
- STC 45 WALLS FROM FLOOR TO 12" ABOVE FINISHED CEILING
- STC 45 - WALLS CONSTRUCTED FROM FLOOR TO STRUCTURAL DECK. INSULATION FROM FLOOR TO 12" ABOVE FINISHED CEILING



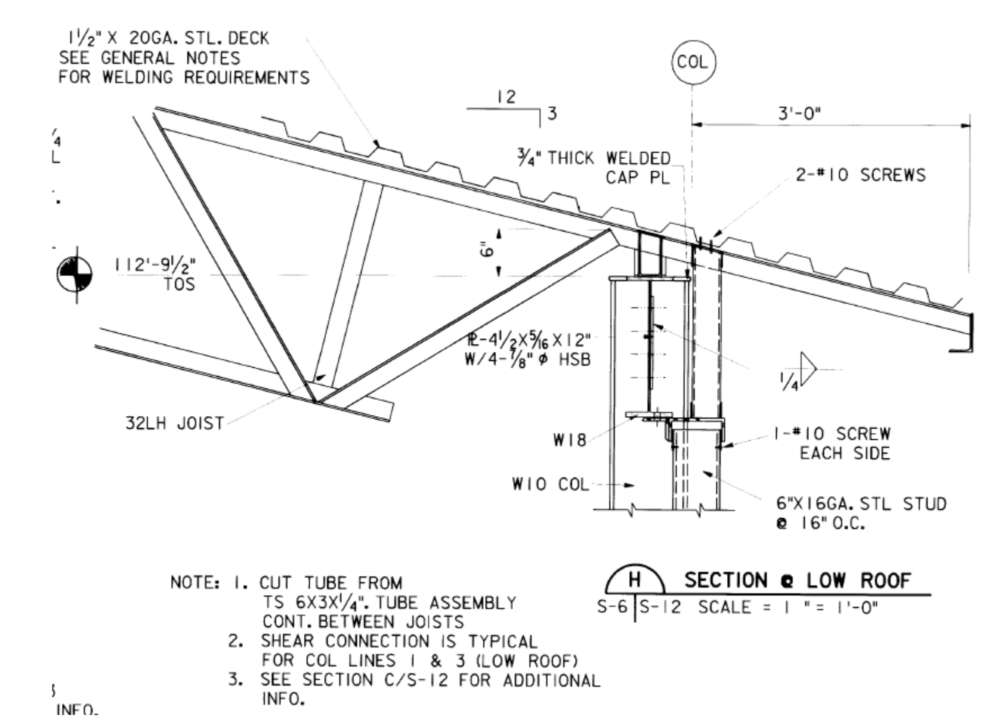
2 EXISTING ROOF CORNER DETAIL

NTS



3 EXISTING ROOF CORNER DETAIL 2

NTS



4 EXISTING ROOF CORNER DETAIL 3

NTS

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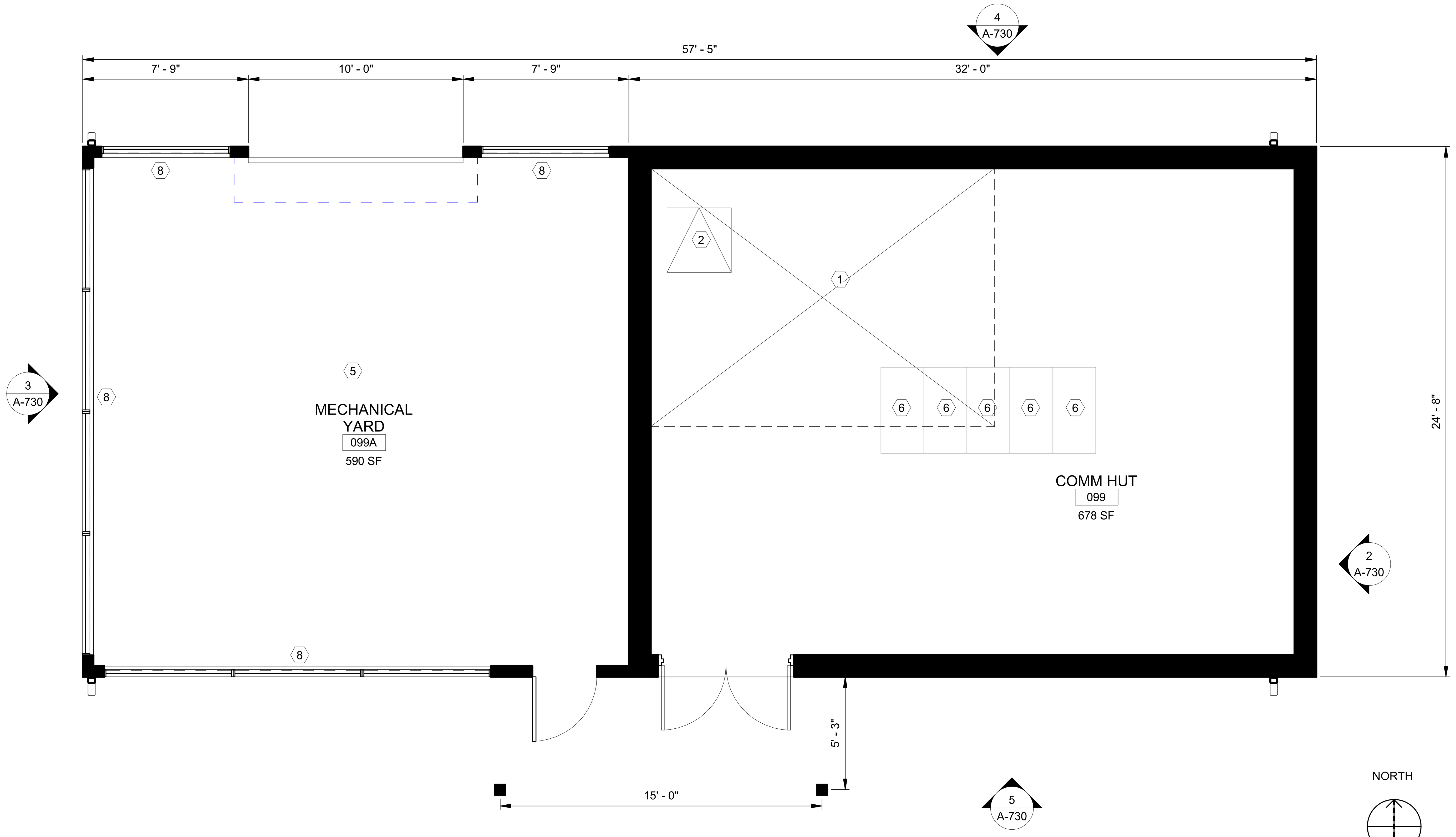
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

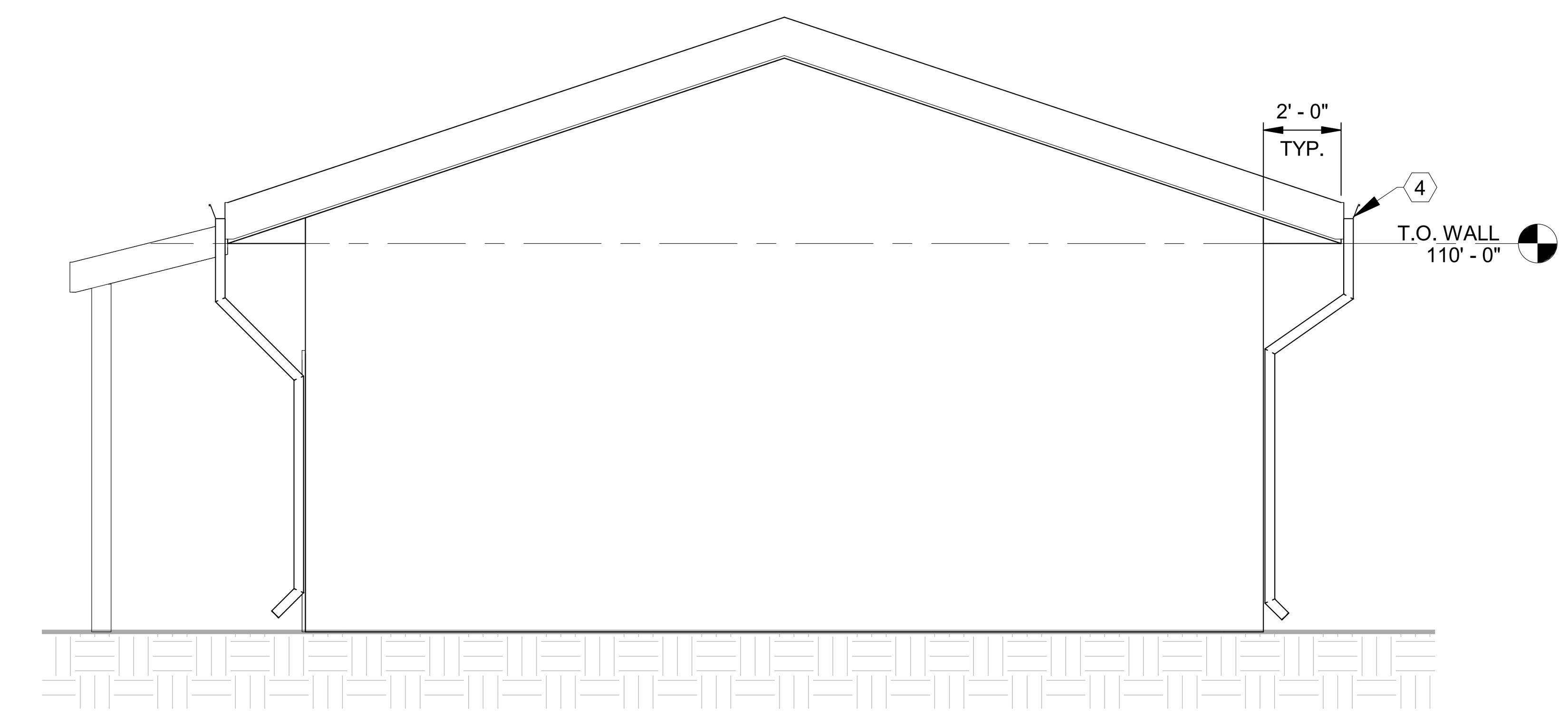
SIM SECTIONS

SHEET ID

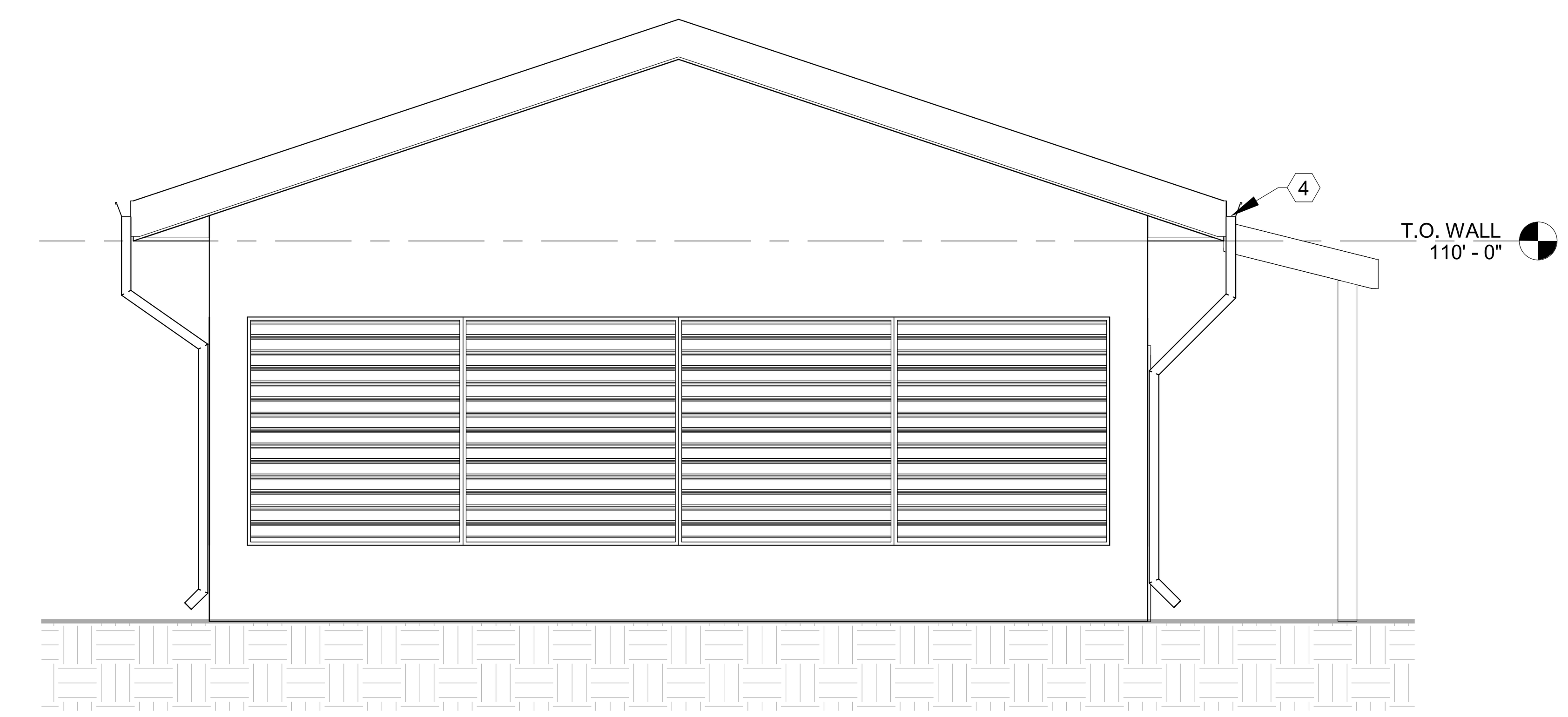
A-302



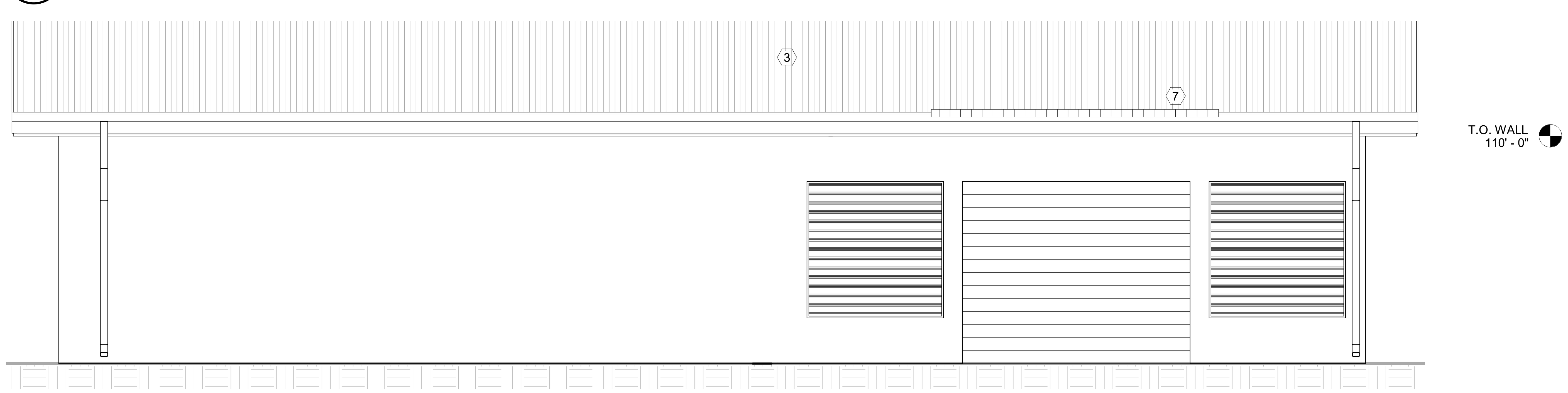
1 COMM HUT FLOOR PLAN
1/4" = 1'-0"



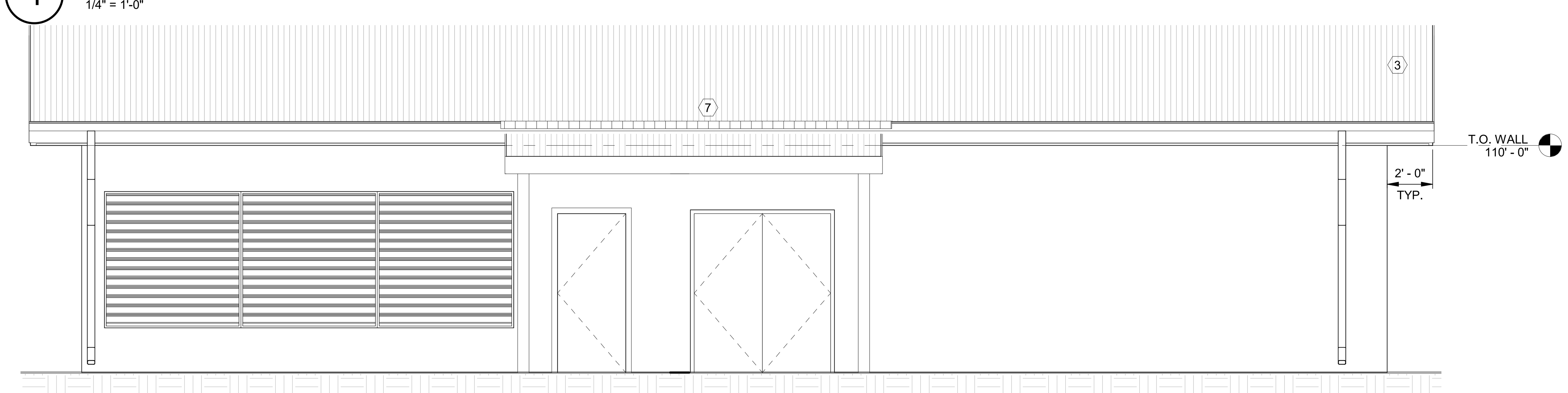
2 COMM HUT - EAST ELEVATION
1/4" = 1'-0"



3 COMM HUT - WEST ELEVATION
1/4" = 1'-0"



4 COMM HUT - NORTH ELEVATION
1/4" = 1'-0"



5 COMM HUT - SOUTH ELEVATION
1/4" = 1'-0"

COMM HUT NOTES

NOTE	DESCRIPTION
1	CONCRETE VAULT BELOW WITH MIN. 8' CLEARANCE BETWEEN STRUCTURAL FLOOR AND STRUCTURAL CEILING
2	HATCH AND LADDER
3	STANDING SEAM METAL ROOF
4	GUTTERS
5	MECHANICAL YARD TO BE SIZED FOR REQUIRED MECHANICAL EQUIPMENT AND CLEARANCES.
6	COMM RACK - N.I.C.
7	SNOW GUARD
8	SIZE LOUVERS AS REQUIRED FOR AIR FLOW TO EQUIPMENT.

0 2' 4' 8'

US Army Corps of Engineers ®

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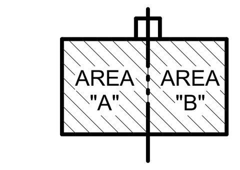
DISASTER RESILIENCY PROGRAM
BUILDING 631

COMMUNICATIONS HUT

SHEET ID
A-730

KEYPLAN - FIRST FLOOR



1 COMPOSITE FIRST FLOOR FURNITURE PLAN

3/32" = 1'-0"

NORTH

0 4' 8' 16' 24'

ROOM SCHEDULE - 1ST FLOOR		
ROOM #	NAME	AREA
099	COMM HUT	678 SF
099A	MECHANICAL YARD	590 SF
101	TRANSITION/LANDING ZONE	392 SF
102	HERITAGE ROOM	1294 SF
102A	RECYCLING ROOM	104 SF
103	NURSING ROOM	80 SF
104	LOCKERS	111 SF
105	SECURE COMM-1	245 SF
106	SIM SERVERS #1	814 SF
107	SIM #1	161 SF
108	SIM #2	161 SF
109	SIM #3	162 SF
110	SIM SUPPORT #1	520 SF
111	SIM BRIEFING ROOM #1	306 SF
112	SIM BRIEFING ROOM #2	211 SF
113	SIM BRIEFING ROOM #3	263 SF
114	NETWORK OPS	783 SF
114A	JUA COMM SERVERS	978 SF
114B	NETWORK OPS UTILITY	227 SF
115	SIM SERVERS #2	854 SF
116	SIM #4	157 SF
117	SIM #5	157 SF
118	SIM #6	157 SF
119	SIM SUPPORT #2	505 SF
120	SIM BRIEFING ROOM #6	195 SF
121	SIM BRIEFING ROOM #5	208 SF
122	SIM BRIEFING ROOM #4	205 SF
123	OPS SUPPORT/STEP DESK	340 SF
124	SECURITY OFFICE	226 SF
125	EXEC/CSS OFFICE	409 SF
125A	SQUADRON COMMANDER'S OFFICE	171 SF
125B	DS OFFICE	121 SF
125C	SENIOR ENLISTED ADVISOR OFFICE	120 SF
125D	1ST SERGEANT OFFICE	120 SF
126	SQUADRON CONF. ROOM	409 SF
127	COMM-IT OPEN OFFICE	458 SF
128	CONTRACTOR OFFICE	322 SF
129	PLANNING SUPPORT	428 SF
130	STUDENT FLIGHT ROOM	427 SF
131	STUDENT FLIGHT ROOM	413 SF
132	STUDENT FLIGHT ROOM	431 SF
133	ACADEMIC CLASSROOM	340 SF
134	ACADEMIC CLASSROOM	345 SF
135	ACADEMIC CLASSROOM	666 SF
COMM-1	COMM ENTRANCE ROOM	61 SF
COMM-3	UNCL. COMM	68 SF
COR-1	CORRIDOR	204 SF
COR-2	CORRIDOR	318 SF
COR-3	MAIN CORRIDOR	1131 SF
COR-4	CORRIDOR	103 SF
COR-5	CORRIDOR	803 SF
COR-6	SIM CORRIDOR	673 SF
COR-7	SIM CORRIDOR	320 SF
COR-8	CORRIDOR	856 SF
COR-9	CORRIDOR	132 SF
ELEC-1	ELEC.	68 SF
MECH-1	MECH. ROOM	597 SF
MEN-1	MEN'S	194 SF
MEN-2	MEN'S	360 SF
ST-1	STAIR 1	132 SF
ST-2	STAIR 2	152 SF
UTL-1	JANITOR'S CLOSET	64 SF
UTL-2	ELEV. EQ.	137 SF
VEST-1	VESTIBULE	64 SF
WOM-1	WOMEN'S	193 SF
WOM-2	WOMEN'S	213 SF

US Army Corps of Engineers ®

MARK | DESCRIPTION | DATE

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OMAHA DISTRICT
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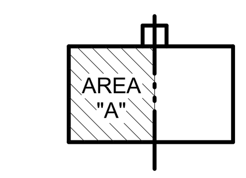
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

COMPOSITE FIRST FLOOR FURNITURE PLAN

SHEET ID

I-110

KEYPLAN - FIRST FLOOR



FF&E SCHEDULE (CF/CI)			
ITEM CODE	ITEM DESCRIPTION	QUANTITY	NOTES
AP1	REFRIGERATOR	6	1
AP2	MICROWAVE	5	
AP3	DISHWASHER	1	
AP4	SMALL MICROWAVE	1	
AP5	UNDER COUNTER REFRIGERATOR	3	
AP6	ICE AND WATER DISPENSER	2	
D1	L-SHAPED WORKSTATION (60" X 60")	2	7
D2	L-SHAPED WORKSTATION (72" X 75")	63	
D2A	L-SHAPED WORKSTATION (69" X 75")	22	
D3	L-SHAPED DESK, PRIVATE OFFICE	1	
D4	STRAIGHT WORKSTATION	22	
D5	STUDY CARREL	10	
D6	T-SHAPED DESK	9	
D7	DESK W/ TRANSACTION COUNTER	3	
D8	PRESENTATION DESK	30	
F1	STORAGE CABINET, 63"H	1	
F2	LATERAL FILE, 51"H	3	
F3	STORAGE CABINET, 27"H	34	
F4	SHELVING, 12" X 18"	42	
M1	PODIUM	8	
M1A	TEACHING PODIUM	3	2
M2	MOVEABLE MARKERBOARD, 48" X 72"	1	
M3	DISPLAY MONITOR, 55"	13	
M4	DISPLAY MONITOR, 60"	17	
M5	DISPLAY MONITOR, 75"	17	
M6	MARKERBOARD, 48" X 48"	24	
M7	TACKBOARD, 48" X 48"	1	
M8	MARKERBOARD, 48" X 96"	2	
S1	TASK CHAIR	134	
S2	TRAINING CHAIR	170	
S3	SIDE CHAIR	34	
S5	BREAK CHAIR	44	
S6	BREAK STOOL	9	
S7	CONFERENCE CHAIR	52	
S9	GLIDER	1	
S10	NESTING AUDITORIUM CHAIR	10	3
T1	TRAINING TABLE, 24" X 60"	2	4
T2	MISSION PLANNING TABLE WITH STORAGE, 42" X 96"	4	6
T3	COLLABORATIVE TABLE, 30" X 60"	5	
T4	COLLABORATIVE TABLE, 36" X 72"	4	
T5	COLLABORATIVE TABLE, 24" X 48"	15	
T6	BREAK TABLE, 30" X 30"	11	
T7	SIDE TABLE, 22" X 22"	3	
T8	CONFERENCE TABLE, 48" X 192"	1	
T9	TRAINING TABLE, 24" X 72"	8	4
T9A	TRAINING TABLE, 24" X 72"	8	5
T10	TRAINING TABLE, 18" X 60"	32	4
T11	ROUND TABLE	1	

FF&E SCHEDULE (GF/GI)		
ITEM CODE	ITEM DESCRIPTION	QUANTITY
EQ1	DESKTOP PRINTER	26
EQ2	PRINTER/COPIER	4
EQ3	SIM MODULE	6
EQ4	2-DRAWER SAFE	1
EQ5	5-DRAWER SAFE	18
EQ6	SHREDDER	16
EQ7	L-SHAPED DESK (60" X 60")	14
EQ8	SIM TASK CHAIR	26
EQ9	Future Hush Rack	2

FF&E SCHEDULE (CF/CI) NOTES:

1. NO WATER AND ICE DISPENSER IN DOOR.
2. PROVIDE PODIUM WITH ATTACHED WORK TABLE.
3. PROVIDE TABLET ARM. COORDINATE FINISHES WITH NEW AUDITORIUM SEATING.
4. PROVIDE TABLE WITH FLIP TOP AND CASTERS.
5. PROVIDE TABLE WITH FLIP TOP, CASTERS, POWER AND DATA IN TABLE TOP, AND THIN CLIENT CPU SLING.
6. PROVIDE STANDING HEIGHT TABLE.
7. ELECTRIC ADJUSTABLE HEIGHT DESK WITH FREESTANDING BOX/BOX/FILE PEDESTAL.

NORTH

0 2' 4' 8' 12'

1 FIRST FLOOR FURNITURE PLAN AREA A

3/16" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

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OMAHA DISTRICT
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GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

FIRST FLOOR FURNITURE PLAN AREA A

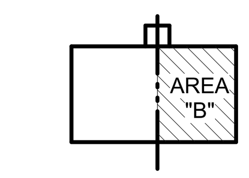
SHEET ID

I-111

1 FIRST FLOOR FURNITURE PLAN AREA B

3/16" = 1'-0"

KEYPLAN - FIRST FLOOR



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D3	L-SHAPED DESK, PRIVATE OFFICE	1	
D4	STRAIGHT WORKSTATION	22	
D5	STUDY CARREL	10	
D6	T-SHAPED DESK	9	
D7	DESK W/ TRANSACTION COUNTER	3	
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T7	SIDE TABLE, 22" X 22"	3	
T8	CONFERENCE TABLE, 48" X 192"	1	
T9	TRAINING TABLE, 24" X 72"	8	4
T9A	TRAINING TABLE, 24" X 72"	8	5
T10	TRAINING TABLE, 18" X 60"	32	4
T11	ROUND TABLE	1	

FF&E SCHEDULE (GF/GI)		
ITEM CODE	ITEM DESCRIPTION	QUANTITY
EQ1	DESKTOP PRINTER	26
EQ2	PRINTER/COPIER	4
EQ3	SIM MODULE	6
EQ4	2-DRAWER SAFE	1
EQ5	5-DRAWER SAFE	18
EQ6	SHREDDER	16
EQ7	L-SHAPED DESK (60" X 60")	14
EQ8	SIM TASK CHAIR	26
EQ9	Future Hush Rack	2

FF&E SCHEDULE (CF/CI) NOTES:

1. NO WATER AND ICE DISPENSER IN DOOR.
2. PROVIDE PODIUM WITH ATTACHED WORK TABLE.
3. PROVIDE TABLET ARM. COORDINATE FINISHES WITH NEW AUDITORIUM SEATING.
4. PROVIDE TABLE WITH FLIP TOP AND CASTERS.
5. PROVIDE TABLE WITH FLIP TOP, CASTERS, POWER AND DATA IN TABLE TOP, AND THIN CLIENT CPU SLING.
6. PROVIDE STANDING HEIGHT TABLE.
7. ELECTRIC ADJUSTABLE HEIGHT DESK WITH FREESTANDING BOX/BOX/FILE PEDESTAL.

NORTH

0 2' 4' 8' 12'

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DRAWN BY: K. BROWNFIELD
CHECKED BY: B. GORUP
SUBMITTED BY:
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
CONTRACT NO.:
SIZE: ANSI D
FILE NAME: GFND00100_B631_CM_35 prc.rvt

US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE.
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

FIRST FLOOR FURNITURE PLAN AREA B

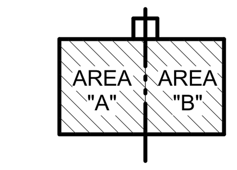
SHEET ID

I-112

1 COMPOSITE SECOND FLOOR FURNITURE PLAN

3/32" = 1'-0"

KEYPLAN - FIRST FLOOR



ROOM SCHEDULE - 2ND FLOOR

ROOM #	NAME	AREA
201	MASS BRIEFING ROOM	1498 SF
201A	SECURE COMM-MBR	93 SF
202	BREAK ROOM	395 SF
203	SECURED COMM-2	58 SF
204	CONTRACTOR FLIGHT ROOM	895 SF
204A	FLIGHT COMMANDER OFFICE	120 SF
205	STORAGE	75 SF
206	FLIGHT ROOM	914 SF
206A	FLIGHT COMMANDER OFFICE	120 SF
207	FLIGHT ROOM	894 SF
207A	FLIGHT COMMANDER OFFICE	119 SF
208	FLIGHT ROOM	906 SF
208A	FLIGHT COMMANDER OFFICE	120 SF
208B	STORAGE	87 SF
209	BRIEFING ROOM "A"	330 SF
210	BRIEFING ROOM "A"	330 SF
211	BRIEFING ROOM "B"	341 SF
212	STORAGE	126 SF
213	WEAPON/TACTICS OFFICE	322 SF
214	COPY ROOM	122 SF
215	ADO OFFICE	257 SF
216	DO OFFICE	156 SF
217	SCHEDULING OFFICE	278 SF
218	TRAINING OFFICE	272 SF
219	STANDARDS/EVAL OFFICE	276 SF
220	CONFERENCE ROOM	450 SF
221	INTEL OFFICE	694 SF
222	SARM OFFICE	255 SF
223	IFC OFFICE	118 SF
COMM-2	UNCLASS COMM.	60 SF
COR-20	MAIN CORRIDOR	1426 SF
COR-21	CORRIDOR	210 SF
COR-22	CORRIDOR	607 SF
ELEC-2	ELEC.	67 SF
MECH-2	MECH. ROOM	615 SF
MEN-3	MEN'S	194 SF
UTL-3	JANITOR	51 SF
WOM-3	WOMEN'S	146 SF

NORTH

0 4' 8' 16' 24'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

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DISASTER RESILIENCY PROGRAM
BUILDING 631

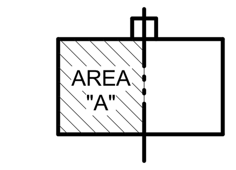
COMPOSITE SECOND FLOOR FURNITURE PLAN

SHEET ID

I-120

1 SECOND FLOOR FURNITURE PLAN AREA A
3/16" = 1'-0"

KEYPLAN - FIRST FLOOR



FF&E SCHEDULE (CF/CI)

ITEM CODE	ITEM DESCRIPTION	QUANTITY	NOTES
AP1	REFRIGERATOR	6	1
AP2	MICROWAVE	5	
AP3	DISHWASHER	1	
AP4	SMALL MICROWAVE	1	
AP5	UNDER COUNTER REFRIGERATOR	3	
AP6	ICE AND WATER DISPENSER	2	
D1	L-SHAPED WORKSTATION (60" X 60")	2	7
D2	L-SHAPED WORKSTATION (72" X 75")	63	
D2A	L-SHAPED WORKSTATION (69" X 75")	22	
D3	L-SHAPED DESK, PRIVATE OFFICE	1	
D4	STRAIGHT WORKSTATION	22	
D5	STUDY CARREL	10	
D6	T-SHAPED DESK	9	
D7	DESK W/ TRANSACTION COUNTER	3	
D8	PRESENTATION DESK	30	
F1	STORAGE CABINET, 63"H	1	
F2	LATERAL FILE, 51"H	3	
F3	STORAGE CABINET, 27"H	34	
F4	SHELVING, 12" X 18"	42	
M1	PODIUM	8	
M1A	TEACHING PODIUM	3	2
M2	MOVEABLE MARKERBOARD, 48" X 72"	1	
M3	DISPLAY MONITOR, 55"	13	
M4	DISPLAY MONITOR, 60"	17	
M5	DISPLAY MONITOR, 75"	17	
M6	MARKERBOARD, 48" X 48"	24	
M7	TACKBOARD, 48" X 48"	1	
M8	MARKERBOARD, 48" X 96"	2	
S1	TASK CHAIR	134	
S2	TRAINING CHAIR	170	
S3	SIDE CHAIR	34	
S5	BREAK CHAIR	44	
S6	BREAK STOOL	9	
S7	CONFERENCE CHAIR	52	
S9	GLIDER	1	
S10	NESTING AUDITORIUM CHAIR	10	3
T1	TRAINING TABLE, 24" X 60"	2	4
T2	MISSION PLANNING TABLE WITH STORAGE, 42" X 96"	4	6
T3	COLLABORATIVE TABLE, 30" X 60"	5	
T4	COLLABORATIVE TABLE, 36" X 72"	4	
T5	COLLABORATIVE TABLE, 24" X 48"	15	
T6	BREAK TABLE, 30" X 30"	11	
T7	SIDE TABLE, 22" X 22"	3	
T8	CONFERENCE TABLE, 48" X 192"	1	
T9	TRAINING TABLE, 24" X 72"	8	4
T9A	TRAINING TABLE, 24" X 72"	8	5
T10	TRAINING TABLE, 18" X 60"	32	4
T11	ROUND TABLE	1	

FF&E SCHEDULE (GF/GI)

ITEM CODE	ITEM DESCRIPTION	QUANTITY
EQ1	DESKTOP PRINTER	26
EQ2	PRINTER/COPIER	4
EQ3	SIM MODULE	6
EQ4	2-DRAWER SAFE	1
EQ5	5-DRAWER SAFE	18
EQ6	SHREDDER	16
EQ7	L-SHAPED DESK (60" X 60")	14
EQ8	SIM TASK CHAIR	26
EQ9	Future Hush Rack	2

FF&E SCHEDULE (CF/CI) NOTES:

1. NO WATER AND ICE DISPENSER IN DOOR.
2. PROVIDE PODIUM WITH ATTACHED WORK TABLE.
3. PROVIDE TABLET ARM. COORDINATE FINISHES WITH NEW AUDITORIUM SEATING.
4. PROVIDE TABLE WITH FLIP TOP AND CASTERS.
5. PROVIDE TABLE WITH FLIP TOP, CASTERS, POWER AND DATA IN TABLE TOP, AND THIN CLIENT CPU SLING.
6. PROVIDE STANDING HEIGHT TABLE.
7. ELECTRIC ADJUSTABLE HEIGHT DESK WITH FREESTANDING BOX/BOX/FILE PEDESTAL.

NORTH

0 2' 4' 8' 12'

US Army Corps
of Engineers ®

MARK	DESCRIPTION	DATE

DESIGNED BY:
K. BROWNFIELD
DRAWN BY:
K. BROWNFIELD
CHECKED BY:
B. GORUP
SUBMITTED BY:

ISSUE DATE:
02/28/2023
SOLICITATION NO.:
W9128F23R0018
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SIZE:
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US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE.
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

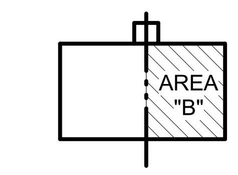
SECOND FLOOR FURNITURE PLAN AREA A

SHEET ID
I-121

1 SECOND FLOOR FURNITURE PLAN AREA B

3/16" = 1'-0"

KEYPLAN - FIRST FLOOR



FF&E SCHEDULE (CF/CI)

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D1	L-SHAPED WORKSTATION (60" X 60")	2	7
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D3	L-SHAPED DESK, PRIVATE OFFICE	1	
D4	STRAIGHT WORKSTATION	22	
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D7	DESK W/ TRANSACTION COUNTER	3	
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M1A	TEACHING PODIUM	3	2
M2	MOVEABLE MARKERBOARD, 48" X 72"	1	
M3	DISPLAY MONITOR, 55"	13	
M4	DISPLAY MONITOR, 60"	17	
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M6	MARKERBOARD, 48" X 48"	24	
M7	TACKBOARD, 48" X 48"	1	
M8	MARKERBOARD, 48" X 96"	2	
S1	TASK CHAIR	134	
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T11	ROUND TABLE	1	

FF&E SCHEDULE (GF/GI)

ITEM CODE	ITEM DESCRIPTION	QUANTITY
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EQ2	PRINTER/COPIER	4
EQ3	SIM MODULE	6
EQ4	2-DRAWER SAFE	1
EQ5	5-DRAWER SAFE	18
EQ6	SHREDDER	16
EQ7	L-SHAPED DESK (60" X 60")	14
EQ8	SIM TASK CHAIR	26
EQ9	Future Hush Rack	2

FF&E SCHEDULE (CF/CI) NOTES:

1. NO WATER AND ICE DISPENSER IN DOOR.
2. PROVIDE PODIUM WITH ATTACHED WORK TABLE.
3. PROVIDE TABLET ARM. COORDINATE FINISHES WITH NEW AUDITORIUM SEATING.
4. PROVIDE TABLE WITH FLIP TOP AND CASTERS.
5. PROVIDE TABLE WITH FLIP TOP, CASTERS, POWER AND DATA IN TABLE TOP, AND THIN CLIENT CPU SLING.
6. PROVIDE STANDING HEIGHT TABLE.
7. ELECTRIC ADJUSTABLE HEIGHT DESK WITH FREESTANDING BOX/BOX/FILE PEDESTAL.

NORTH

0 2' 4' 8' 12'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGNED BY: K. BROWNFIELD
DRAWN BY: K. BROWNFIELD
CHECKED BY: B. GORUP
SUBMITTED BY:
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
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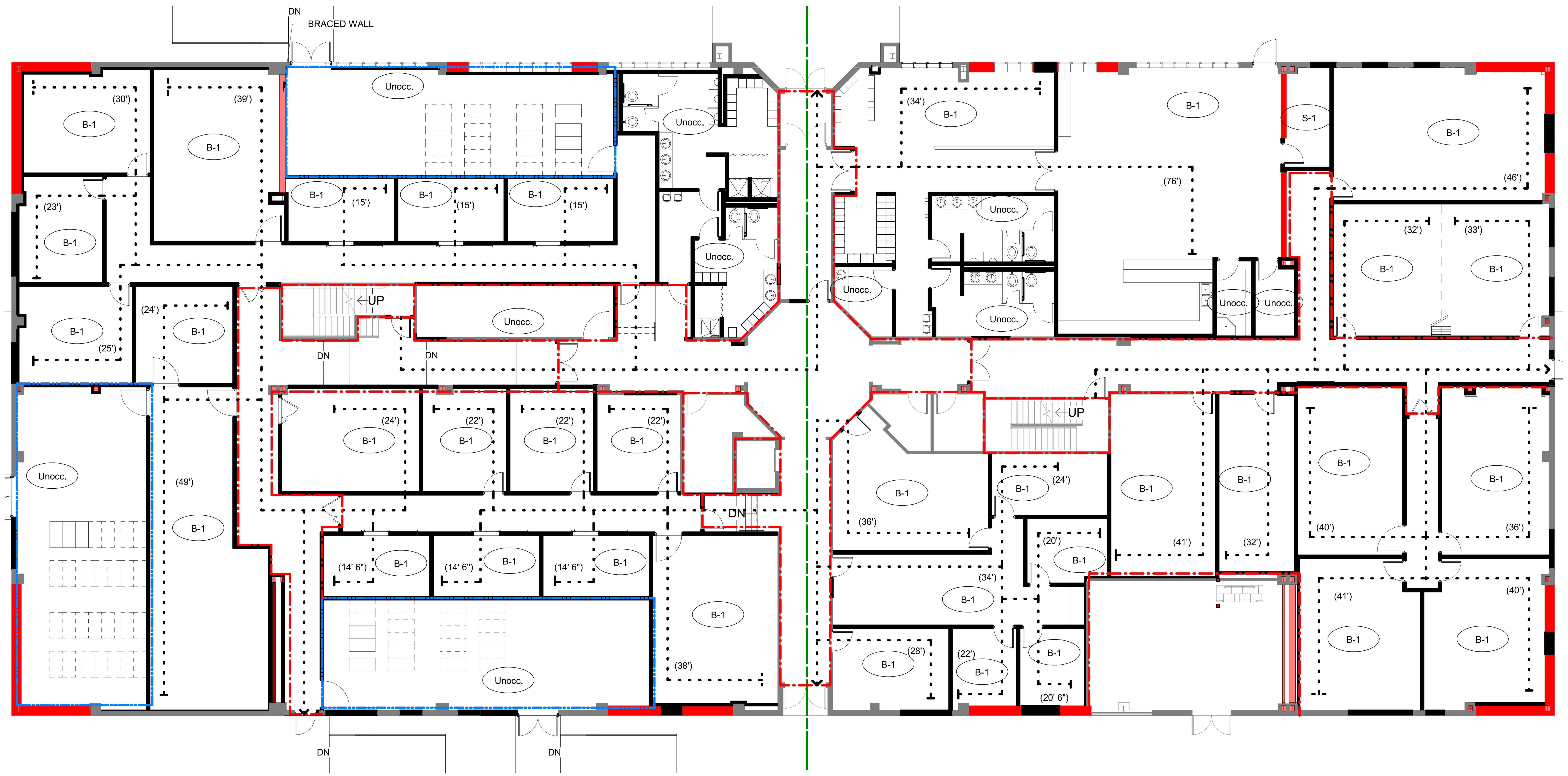
US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVE.
OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

SECOND FLOOR FURNITURE PLAN AREA B

SHEET ID

I-122



1 FIRE RATED WALLS FIRST FLOOR PLAN

3/32" = 1'-0"

NOTES:
1. FIRE RATED WALLS NEED TO EXTEND TO BOTTOM OF ROOF DECK.
2. BUILDING CODE AND LIFE SAFETY PLANS NEED TO BE COMPLETED BY A LICENSED FIRE PROTECTION ENGINEER AND TO BE VALIDATED AS PART OF THE 65% SUBMISSION.

LEGEND:

1 HOUR FIRE RATED WALL

2 HOUR FIRE RATED WALL

(X') TRAVEL DISTANCE (XX')

X IS OCCUPANCY,
XX IS TOTAL NUMBER OF OCCUPANTS
S-1 IS STORAGE, B-1 IS BUSINESS, A-1 is ASSEMBLY, Unocc. is UNOCCUPIED

NORTH 0 4' 8' 16' 24'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGNED BY: K. JARVIS
DRAWN BY: E. MCCULLOUGH
CHECKED BY: K. JARVIS
SUBMITTED BY: B. GORUP
SIZE: ANSI D
ISSUE DATE: 02/28/2023
SOLICITATION NO.: W9128F23R0018
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US ARMY CORPS OF ENGINEERS
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GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

1ST FLOOR LIFE SAFETY AND BUILDING CODE PLAN

SHEET ID
F-111

NOTES:
1. FIRE RATED WALLS NEED TO EXTEND TO BOTTOM OF ROOF DECK.
2. BUILDING CODE AND LIFE SAFETY PLANS NEED TO BE COMPLETED BY A LICENSED FIRE PROTECTION ENGINEER AND TO BE VALIDATED AS PART OF THE 65% SUBMISSION.

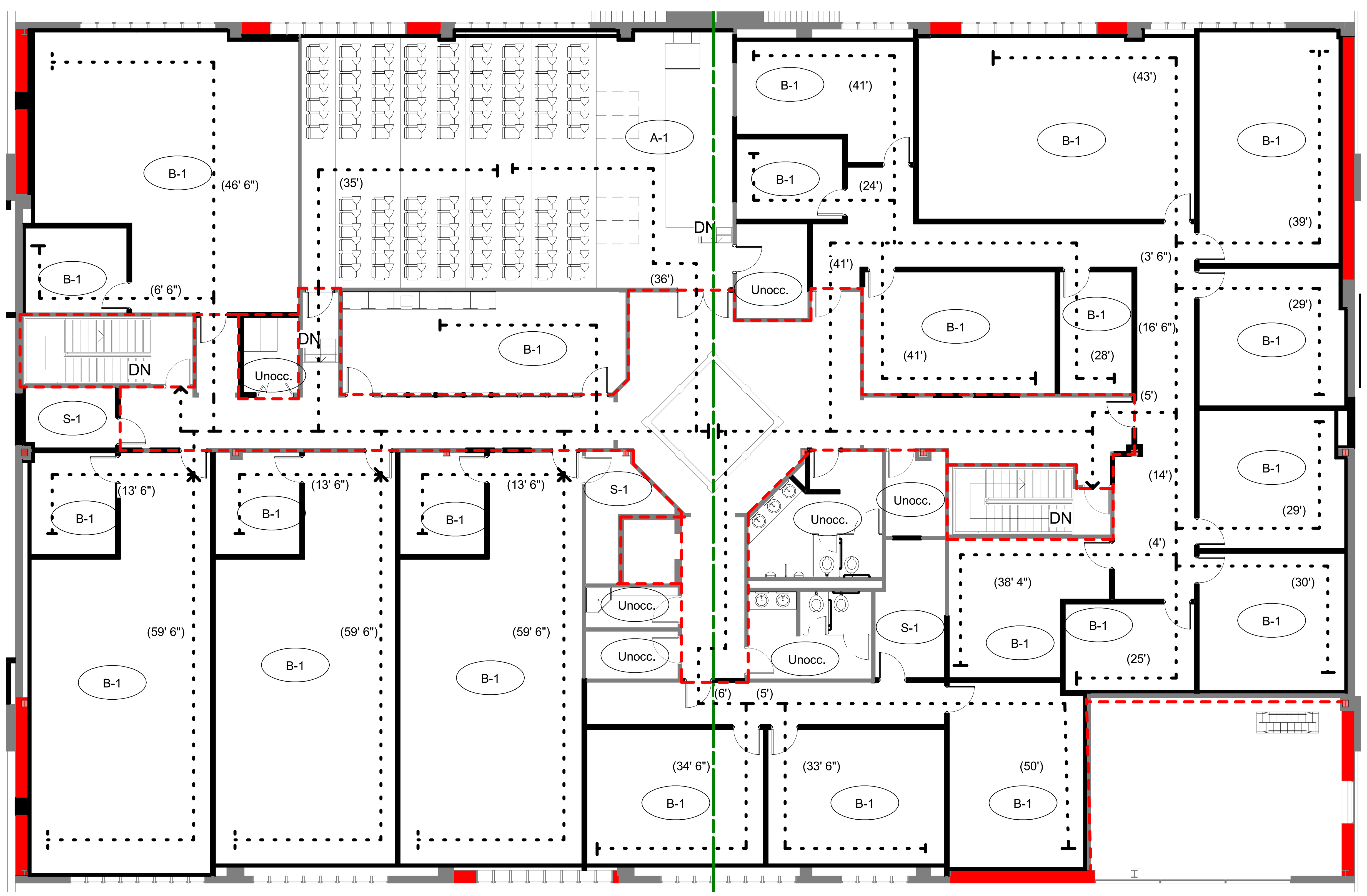
LEGEND:

1 HOUR FIRE RATED WALL

2 HOUR FIRE RATED WALL

(X') TRAVEL DISTANCE (XX')

X IS OCCUPANCY,
XX IS TOTAL NUMBER OF OCCUPANTS
S-1 IS STORAGE, B-1 IS BUSINESS, A-1 is ASSEMBLY, Unocc. is UNOCCUPIED



1 FIRE RATED WALLS SECOND FLOOR PLAN
3/32" = 1'-0"

NORTH 0 4' 8' 16' 24'

US Army Corps of Engineers ®

MARK | DESCRIPTION | DATE

DESIGNED BY: K. JARVIS
DRAWN BY: E. MCCULLOUGH
CHECKED BY: K. JARVIS
SUBMITTED BY: B. GORUP
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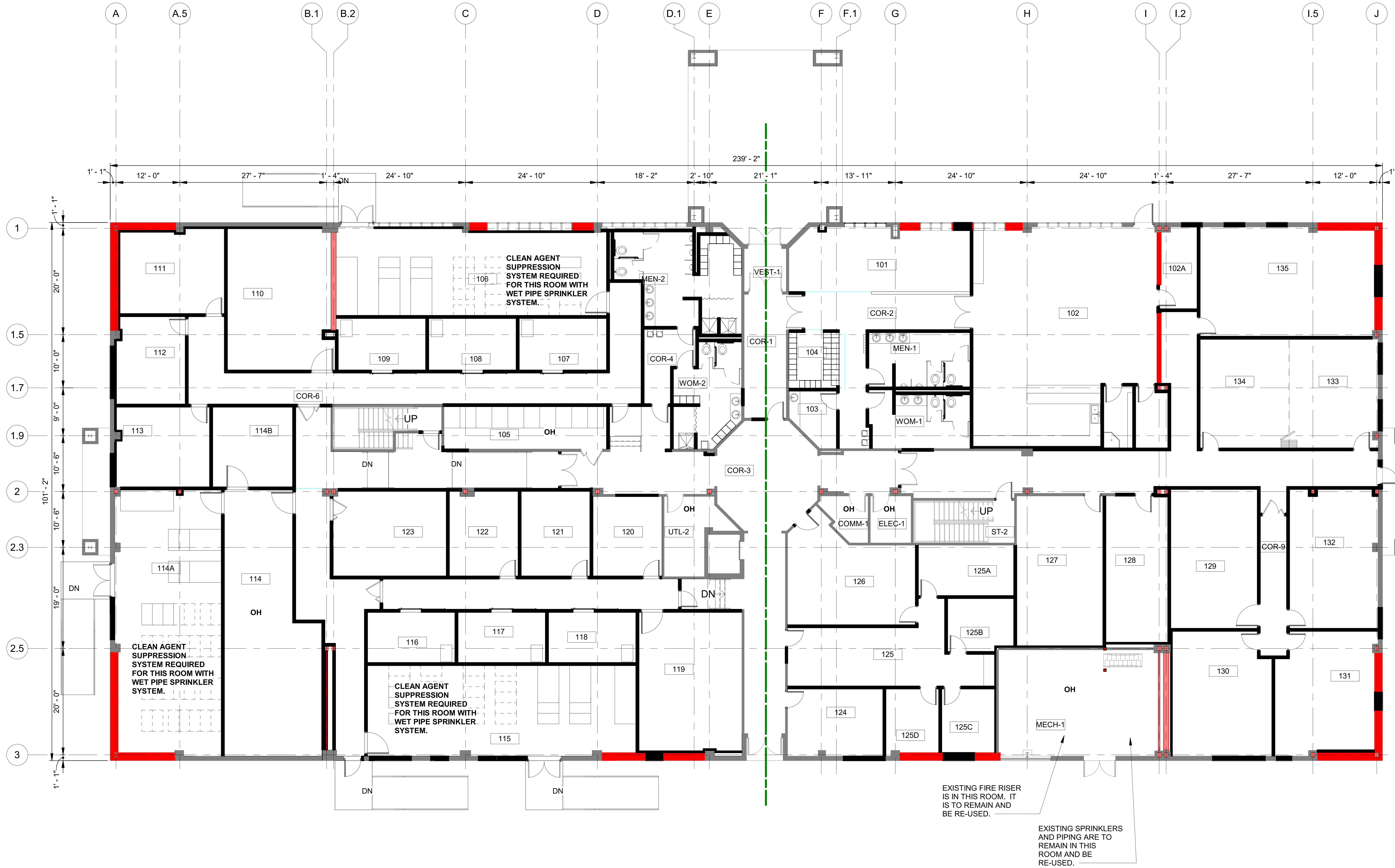
GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

2ND FLOOR LIFE SAFETY AND BUILDING CODE PLAN

SHEET ID
F-112



FIRE PROTECTION NOTES

1. PROVIDE A CLEAN AGENT SUPPRESSION SYSTEM IN ROOMS 106, 114A, AND 115. SYSTEMS SHALL COMPLY WITH NFPA 2001 AND UFC 3-600-01. PROVIDE A VERY EARLY SMOKE DETECTION SYSTEM (ASPIRATING) FOR EACH OF THESE ROOMS.

2. PROVIDE A WET PIPE SPRINKLER SYSTEM FOR ALL OTHER AREAS OF THE BUILDING. WET PIPE SPRINKLER SYSTEM SHALL COMPLY WITH UFC 3-600-01.

3. PROVIDE A NEW FIRE HYDRANT FLOW TEST IN COMPLIANCE WITH NFPA 291. USE THE FLOW TEST DATA TO DESIGN THE SYSTEM.

4. ROOMS LABELED "OH" ARE TO BE DESIGNED TO ORDINARY HAZARD. .2 GPM/2,500 SQUARE FEET AND 250 GPM HOSE ALLOWANCE.

5. ALL UNLABELED ROOMS ARE TO BE DESIGNED TO LIGHT HAZARD. .1 GPM/1,500 SQUARE FEET AND 250 GPM HOSE ALLOWANCE.

6. PROVIDE DIELECTRIC BREAKS IN ANY SPRINKLER PIPE THAT PENETRATES A SECURED AREA WALL. REFER TO ARCHITECTURAL PLANS FOR THESE WALL LOCATIONS.

7. REFER TO THE ARCHITECTURAL PLANS FOR ROOM NAMES AND FUNCTIONS.

8. THE EXISTING BUILDING WATER SERVICE AND FIRE RISER ARE TO REMAIN AND AND BE RE-USED FOR THE NEW SPRINKLER SYSTEM.

9. PER TSFPEWG G 3-600-01.01-18, THE SPRINKLER SYSTEM SERVING THE INFORMATION TECHNOLOGY EQUIPMENT AREAS OR ROOM SPRINKLERS ARE SUPPLIED BY A SEPARATE SPRINKLER RISER OR SUPPLIED AS A SEPARATE SUPERVISED ZONE WITH A DEDICATED WATER FLOW DETECTION DEVICE. THE RISER OR ZONE CONTROL VALVES ARE LOCATED OUTSIDE OF THE SPACE AND READILY ACCESSIBLE TO EMERGENCY RESPONDERS. SPRINKLER ACTIVATION AND SUPERVISORY NOTIFICATIONS ARE DISTINCTLY INDICATED AT THE FIRE ALARM RECEIVING LOCATIONS. APPLICABLE TO 106, 114A, AND 115.

10. PROVIDE HIGH TEMPERATURE WET PIPE SPRINKLER HEADS (200 DEG FAHRENHEIT) IN THE ROOMS WITH CLEAN AGENT SUPPRESSION SYSTEMS (106, 114a, AND 115).

11. PROVIDE CONCEALED SPRINKLER HEADS IN THE SIM ROOMS (107, 108, 109, 116, 117 AND 118).

1 COMPOSITE FIRST FLOOR FIRE PROTECTION PLAN

3/32" = 1'-0"

NORTH

0 4' 8' 16' 24'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGNED BY: B. ERBSTOESSER	ISSUE DATE: 02/28/2023
DRAWN BY: B. ERBSTOESSER	SOLICITATION NO.: W9128F23R0018
CHECKED BY: J. SWERZCEK	CONTRACT NO.:
SUBMITTED BY: J. SWERZCEK	
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OMAHA DISTRICT
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OMAHA, NE 68102

GRAND FORKS AFB, NORTH DAKOTA
DISASTER RESILIENCY PROGRAM
BUILDING 631

COMPOSITE FIRST FLOOR FIRE PROTECTION PLAN

SHEET ID

FX110

COMPOSITE SECOND FLOOR FIRE PROTECTION PLAN

1 3/32" = 1'-0"

NORTH 0 4' 8' 16' 24'

FIRE PROTECTION NOTES

1. PROVIDE A CLEAN AGENT SUPPRESSION SYSTEM IN ROOMS 106, 114A, AND 115. SYSTEMS SHALL COMPLY WITH NFPA 2001 AND UFC 3-600-01.
2. PROVIDE A WET PIPE SPRINKLER SYSTEM FOR ALL OTHER AREAS OF THE BUILDING. WET PIPE SPRINKLER SYSTEM SHALL COMPLY WITH UFC 3-600-01.
3. PROVIDE A NEW FIRE HYDRANT FLOW TEST IN COMPLIANCE WITH NFPA 291. USE THE FLOW TEST DATA TO DESIGN THE SYSTEM.
4. ROOMS LABELED "OH" ARE TO BE DESIGNED TO ORDINARY HAZARD. .2 GPM/2,500 SQUARE FEET AND 250 GPM HOSE ALLOWANCE.
5. ALL UNLABELED ROOMS ARE TO BE DESIGNED TO LIGHT HAZARD. .1 GPM/1,500 SQUARE FEET AND 250 GPM HOSE ALLOWANCE.
6. PROVIDE DIELECTRIC BREAKS IN ANY SPRINKLER PIPE THAT PENETRATES A SECURED AREA WALL. REFER TO ARCHITECTURAL PLANS FOR THESE WALL LOCATIONS.
7. REFER TO THE ARCHITECTURAL PLANS FOR ROOM NAMES AND FUNCTIONS.
8. THE EXISTING BUILDING WATER SERVICE AND FIRE RISER ARE TO REMAIN AND AND BE RE-USED FOR THE NEW SPRINKLER SYSTEM.
9. PER TSFPEWG G 3-600-01.01-18, THE SPRINKLER SYSTEM SERVING THE INFORMATION TECHNOLOGY EQUIPMENT AREAS OR ROOM SPRINKLERS ARE SUPPLIED BY A SEPARATE SPRINKLER RISER OR SUPPLIED AS A SEPARATE SUPERVISED ZONE WITH A DEDICATED WATER FLOW DETECTION DEVICE. THE RISER OR ZONE CONTROL VALVES ARE LOCATED OUTSIDE OF THE SPACE AND READILY ACCESSIBLE TO EMERGENCY RESPONDERS. SPRINKLER ACTIVATION AND SUPERVISORY NOTIFICATIONS ARE DISTINCTLY INDICATED AT THE FIRE ALARM RECEIVING LOCATIONS. APPLICABLE TO ROOMS 106, 114A, AND 115.

US Army Corps of Engineers ®

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COMPOSITE SECOND FLOOR FIRE PROTECTION PLAN

SHEET ID

FX120