CONTROLLED UNCLASSIFIED INFORMATION

AIR FORCE RESERVE COMMAND HEADQUARTERS

910th AIRLIFT WING

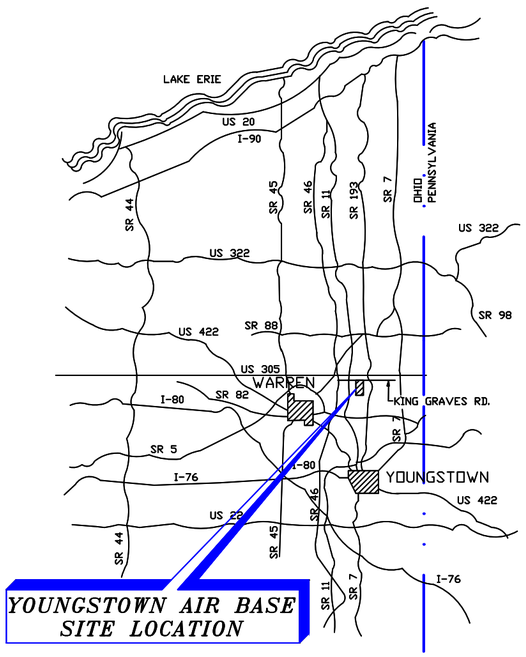
MAINTAIN/REPAIR/CONSTRUCT VARIOUS ROOM RENOVATIONS AT BUILDING 305 MX Commander Offices PROJECT # ZQEL 19-0016

YOUNGSTOWN AIR RESERVE STATION
YOUNGSTOWN WARREN REGIONAL AIRPORT, ARS
3976 KING GRAVES ROAD
VIENNA, OHIO 44473

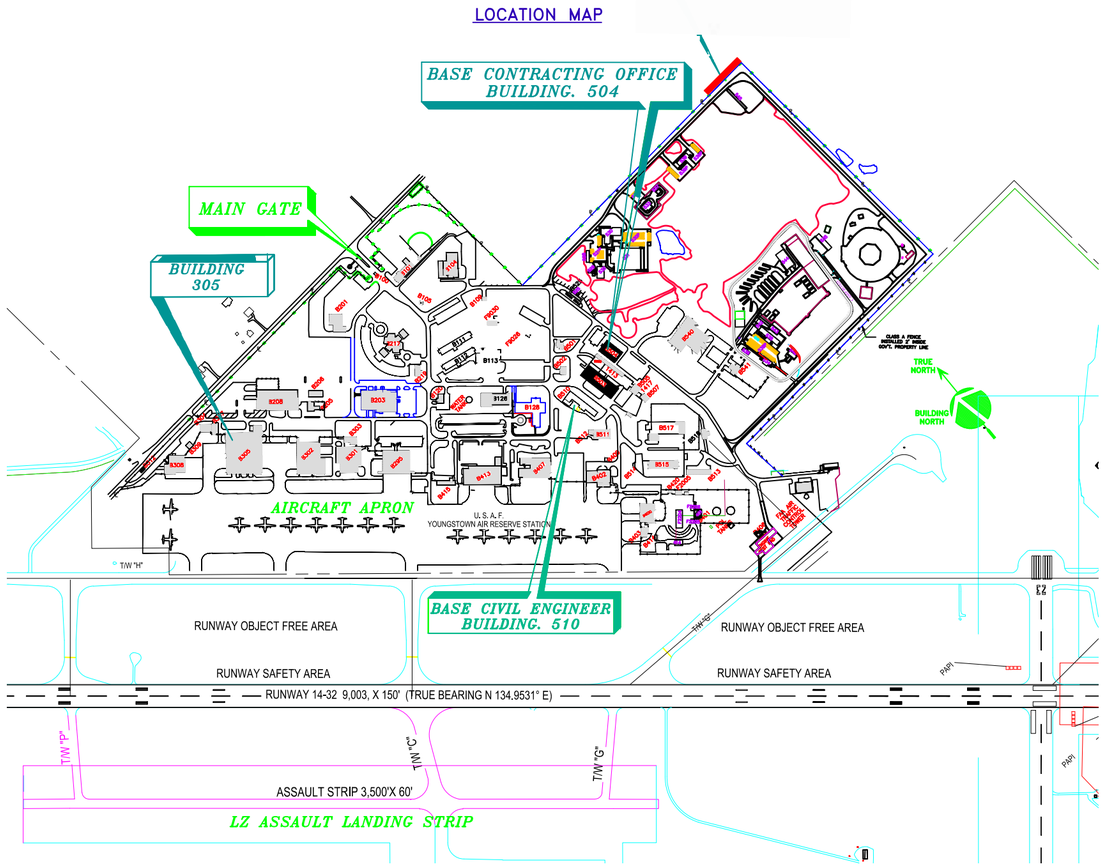
GOVERNMENT SIGNATURE BLOCK	
REVIEWED BY:	
PROJECT ENGINEER	DATE
CHIEF, DESIGN BRANCH	DATE
APPROVED BY:	
CHIEF, ENGINEERING DIVISION	DATE

REVIEW SIGNATURE BLOCK	
ANTI–TERRORISM OFFICER – ANDREW J. MATHEWS	DATE
COMMUNICATIONS SYSTEMS – EDWARD S. BURNS	DATE
FIRE PROTECTION – MATTHEW E. WILLIAMS	DATE
MAINTENANCE–FLIGHTLINE – SMSGT JEROME FABIAN	DATE
SAFETY – LT COL FRANK A. GALATI	DATE
SECURITY POLICE – TSGT ZACHARY D. CONN	DATE
AIRCRAFT GROUND EQUIPMENT – SMSGT JOSHUA A. SLUSSER	DATE
USING AGENCY	DATE
BIO–ENVIRONMENTAL	DATE

VICINITY MAP



LOCATION MAP



INDEX OF SHEETS

SHEET	DWG NO:	SHEET TITLE
1 of 11	G1	TITLE SHEET
2 of 11	G2	STRUCTURAL GENERAL NOTES
3 of 11	A1	HANGER 305 LOCATION MAP
4 of 11	A2	EXISTING SITE PLAN & DEMOLITION KEY NOTES
5 of 11	A3	PROPOSED SITE PLAN & KEY NOTES
6 of 11	A4	DOOR AND WALL SCHEDULE
7 of 11	A5	CEILING GRID & ELECTRICAL PLAN
8 of 11	A6	POWER LAYOUT PLAN
9 of 11	A7	EXISTING HANGER WALL SECTIONS
10 of 11	A8	PROPOSED HANGER WALL SECITONS
11 of 11	A9	INTERIOR WALL SECTIONS

910th AIRLIFT WING
YOUNGSTOWN AIR RESERVE STATION
VIENNA, OHIO

DEPARTMENT OF THE AIR FORCE

VARIOUS BUILDING ROOM RENNOVATIONS;

TITLE SHEET, SIGNATURES, INDEX OF SHEETS

G1

1 OF 11

BUILDING NUMBER: 305

SCALE: N.T.S.

DATE: 01/10/2026

DESIGN BY: D.J. CUTRER

CONST. DATE: 1957

GROSS SQ. FT.: 290

GENERAL STRUCTURAL NOTES

BUILDING CODE

- 2018 INTERNATIONAL BUILDING CODE (IBC-2018)
- ASCE STANDARDS (ASCE/SEI 7-10), MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

CONSTRUCTION AND SAFETY

1. THE STRUCTURE IS DESIGNED TO BE STABLE AND SELF SUPPORTING WHEN COMPLETED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION PROCEDURES REQUIRED TO BUILD THE STRUCTURE AND TO ENSURE SAFETY DURING DEMOLITION AND CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, TEMPORARY BRACING, SHORING AND RESHORING REQUIREMENTS, CONSTRUCTION LOADS, UNDER-PINNING, ETC.

2. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE CONTRACTING OFFICER TO MINIMIZE INTERFERENCE WITH OPERATIONS AND TO INSURE THE SAFETY OF ALL PERSONNEL.

3. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.

4. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.

5. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE PREPARATION OF SHOP DRAWINGS. SHOULD ANY DISCREPANCY BE FOUND, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IMMEDIATELY.

6. QUALITY OF CONSTRUCTION REQUIRED. PERFORMANCE LEVELS OF WORKMANSHIP. MANUFACTURING AND INDUSTRY STANDARDS. STRENGTH AND PHYSICAL REQUIREMENTS OF MATERIALS. CONFORMANCE TO CODES AND REGULATIONS. GUARANTEE REQUIREMENTS AND OTHER PERTINENT INFORMATION ARE CONTAINED IN THE PROJECT MANUAL.

7. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE BETTER QUALITY AND/OR GREATER QUANTITY, STRENGTH OR SIZE INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.

8. COORDINATE WITH ALL DRAWINGS FOR PERTINENT INFORMATION RELATED TO STRUCTURAL WORK. ANY CHANGES TO THE STRUCTURAL SYSTEMS SHALL BE REDESIGNED BY A PROFESSIONAL ENGINEER AT NO COST TO THE OWNER OR A/E AND SUBMITTED TO THE A/E FOR REVIEW. SUBMITTAL SHALL BE ACKNOWLEDGED IN WRITING BEFORE BEGINNING CONSTRUCTION.

9. EQUIPMENT FRAMING, LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS TO BE BORNE BY THE APPROPRIATE CONTRACTOR.

DESIGN LOADS

BUILDING RISK CATEGORY, TABLE 1604.5 – II

1. LIVE LOADS (SECTION 1607):
   ROOF LIVE LOAD 20 PSF

2. SNOW LOAD (INTERNATIONAL BUILDING CODE-2018, SECTION 1609):
   SNOW LOAD, Ps = 20 PSF

3. WIND LOAD (IBC-2012, SECTION 1609):
   i. BASIC WIND SPEED (3 SECOND GUST), 120 MPH, qz = 27.9 PSF
   ii. WIND IMPORTANCE FACTOR, Iw N.A.
   iii. BUILDING RISK CATEGORY = IV
   iv. WIND EXPOSURE CATEGORY = C
   v. Kh =0.89, G = 0.85
   vi. MAX POSITIVE ROOF PRESSURE, P = 26.1 PSF
   vii. MAX NEGATIVE ROOF PRESSURE, P = 39.1 PSF
   viii. INTERNAL PRESSURE COEFFICIENT, Gcpi = +/-0.18 (OPEN BUILDING)

4. EARTHQUAKE DESIGN DATA (SECTION 1613):
   SEISMIC LOADS
   I. RISK CATEGORY = IV
   ix. MAPPED SPECTRAL RESPONSE: Ss = 0.18; S1 = 0.06
   iv. SITE CLASS = D
   v. SPECTRAL RESPONSE COEFFICIENTS: SDS = 0.192; SD1 = 0.093
   vi. SEISMIC DESIGN CATEGORY = C
   vii. BASIC SEISMIC FORCE RESISTING SYSTEM = STEEL ORDINARY MOMENT FRAMES
   viii. SEISMIC RESPONSE COEFFICIENT, Cs = 0.08
   ix. RESPONSE MODIFICATION FACTOR, R = 3.5

   ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE METHOD

5. DEAD LOADS:

i.	ASPHALT SHINGLES	2 PSF	v.	INSULATION	5 PSF
ii.	FELT	1 PSF	iv.	COLLATERAL LOAD	10 PSF
iii.	PLYWOOD SHEATHING	2 PSF		TOTAL DEAD LOAD	30 PSF
iv.	RAFTERS & STUDS	10 PSF			

CONCRETE FOUNDATIONS

1. SPREAD FOUNDATIONS – ASSUMED ALLOWABLE SOIL BEARING 2.0 KSF.

2. N/A

3. NOTIFY THE CONTRACTING OFFICER AS SOON AS POSSIBLE OF ANY UNUSUAL SOIL CONDITIONS OR SOIL CONDITIONS IN VARIANCE WITH TEST BORING, SUCH AS UNEXPECTED SPRING OR SEEPAGE WATER, MATERIAL DIFFERING FROM TEST BORINGS, OR SOIL OF QUESTIONABLE BEARING CAPACITY.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND FINAL CLEARANCE OF ANY REQUIRED NEEDLING, UNDERPINNING, SHORING, OR BRACING OF EXISTING STRUCTURES.

5. STRUCTURAL FILL SHALL BE PLACED IN 8" LIFTS COMPACTED 95% OF MODIFIED OPTIMUM DENSITY.

6. NO BACKFILLING OF FOUNDATION WALLS SHALL BE UNDERTAKEN UNTIL SUITABLE WALL BRACING. TEMPORARY OR PERMENANT, HAS BEEN PROVIDED.

7. DO NOT PLACE FILL ON FROZEN GROUND. ALL SOIL SURROUNDING AND UNDER FOUNDATIONS SHALL BE PROTECTED FROM FREEZING & FROST ACTION DURING THE COURSE OF CONSTRUCTION. SOIL WHICH HAS BEEN ALLOWED TO FREEZE SHALL BE REMOVED.

8. BOTTOM OF EXTERIOR FOUNDATIONS SHALL BE AT LEAST 3'-6" BELOW FINISHED GRADE.

9. EXCAVATION THROUGH EXISTING SLAB-ON-GRADE SHALL BE CONDUCTED SO AS NOT TO UNDERMINE REMAINING SLABS. UNDERMINED SLABS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

CAST-IN-PLACE CONCRETE

1. CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF:
   A. AMERICAN CONCRETE INSTITUTE CODES AND STANDARDS, INCLUDING, BUT NOT LIMITED TO, ACI 301 (AS MODIFIED IN THE PROJECT MANUAL), ACI 305.1, ACI 306, ACI 315, ACI 318 AND SP-15.
   B. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".

2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS:
   A. 4000 PSI WITHOUT ENTRAINED AIR FOR ALL CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE.
   B. 4000 PSI WITH 5% ENTRAINED AIR FOR ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER.
   C. 4000 PSI FOR BUILDING FOOTINGS.

3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60 U.N.O.

4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 DELIVERED IN FLAT SHEETS.

6. ALL REINFORCING DETAILS SHALL CONFORM TO ACI 315-80, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.

8. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. NECESSARY TO SUPPORT REINFORCING STEEL. SUPPORT ITEMS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL. CONCRETE CUBES SHALL BE USED FOR THE SUPPORT OF REINFORCING ON GRADE.

9. CONTRACTOR SHALL REVIEW ALL DRAWINGS FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, OPENINGS, ETC. REQUIRED BY OTHER TRADES. RECONCILE THEIR EXACT SIZES AND LOCATIONS BEFORE PROCEEDING WITH THE WORK. ALL ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE. SECURE THE APPROVAL OF THE STRUCTURAL ENGINEER PRIOR TO PLACING OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

10. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, THE LENGTH OF ANY HOOK, IF REQUIRED, IS NOT INCLUDED. USE STANDARD 90 DEGREE BAR HOOK U.N.O.

11. PROVIDE HORIZONTAL CONTROL/CONSTRUCTION JOINTS IN SLABS AND VERTICAL CONTROL/CONSTRUCTION JOINTS IN WALLS AS SHOWN ON THE DRAWINGS. ALL BEAMS, SPANDRELS, AND SLABS SHALL BE CAST MONOLITHICALLY, EXCEPT FOR REQUIRED CONTROL/CONSTRUCTION JOINTS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT ALTERNATE AND ADDITIONAL CONSTRUCTION JOINT LOCATIONS AND DETAILS TO THE A/E FOR APPROVAL PRIOR TO CONSTRUCTION. AT LEAST 48 HOURS SHALL ELAPSE BETWEEN CASTING OF ADJOINING UNITS. REINFORCEMENT SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS UNLESS DETAILED OTHERWISE ON THE DRAWINGS. SUBMIT ALL CONSTRUCTION JOINT LOCATIONS WITH REINFORCING STEEL SHOP DRAWINGS.

12. WHERE CONSTRUCTION JOINTS ARE REQUIRED BUT ARE NOT INDICATED ON THE DRAWINGS, THEY SHALL BE LOCATED AT MIDSPAN OF BEAMS, REINFORCING SLABS, AND WALLS, AND SHALL BE SUBJECT TO REVIEW BY THE A/E OR OWNER. UNLESS OTHERWISE NOTED OR SHOWN ON THE DRAWINGS, PROVIDE A CONTINUOUS SHEAR KEY IN SLABS AND WALLS, AND A MINIMUM OF TWO CONTINUOUS HORIZONTAL KEYS IN BEAMS AND EACH JOIST. THE MINIMUM KEY SIZE SHALL BE 1-1/2" DEEP BY 1/3 THE DEPTH OR WIDTH OF THE MEMBER.

13. DRYPACK:
   A. DRYPACK SHALL BE 5000 PSI NON-SHRINK GROUT, FIVE STAR OR EQUIVALENT APPROVED.
   B. INSTALL DRYPACK UNDER ALL BEAM BEARING PLATES PRIOR TO FRAMING MEMBER IS INSTALLED.
   C. INSTALL DRYPACK UNDER ALL COLUMN BASE PLATES AFTER COLUMN HAS BEEN PLUMBED, PRIOR TO FLOOR OR ROOF INSULATION.

14. FOOTINGS, WALLS:
   A. DOWELS IN FOOTINGS SHALL MATCH VERTICAL WALL REINFORCING UNLESS SHOWN OTHERWISE.

15. FOOTINGS, ALL CONSTRUCTION JOINTS BELOW GRADE SHALL HAVE WATERSTOPS.

16. THE HARDENED CONCRETE OF HORIZONTAL CONSTRUCTION JOINTS SHALL BE DAMPENED AND THEN THOROUGHLY COVERED WITH A COAT OF CEMENT GROUT OF SIMILAR PROPORTIONS TO THE MORTAR IN THE CONCRETE. THE FRESH CONCRETE SHALL BE PLACED BEFORE THE GROUT HAS ATTAINED ITS INITIAL SET.

17. WELDING OF REINFORCING STEEL IS NOT PERMITTED.

18. COMPLY WITH ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF SPECIAL FINISHES OR TREATMENTS TO EXPOSED CONCRETE.

19. PROVIDE 6 X 6 – W2.9 X W2.9 WELDED WIRE FABRIC AND FIBER REINFORCING IN ALL SLABS-ON-GRADE, UNLESS OTHERWISE NOTED.

20. PLACE WELDED WIRE FABRIC IN SLABS-ON-GRADE 2 INCHES DOWN FROM THE TOP OF SLAB, UNLESS OTHERWISE NOTED.

21. REINFORCING BAR LAP SPLICES AND ANCHORAGE LENGTH SHALL CONFORM TO ACI REQUIREMENTS.

WOOD CONSTRUCTION

1. DIMENSIONAL LUMBER USED FOR ALL FRAMING, EXCEPT TRUSSES, STUDS, SOLE PLATES, AND CAP PLATES SHALL BE SPRUCE PINE FIR NO.2 OR BETTER. (NORTH). AREAS TO RECEIVE TILE OR MARBLE FLOORS MAY NEED TO BE STIFFENED BEYOND MINIMUM CODE REQUIREMENTS TO PREVENT CRACKING – BUILDER AND INSTALLER SHALL DETERMINE SAME. (DOUBLE EVERY OTHER FLOOR JOIST)

2. DIMENSIONAL LUMBER USED FOR WALL STUDS, SOLE PLATES, AND CAP PLATES SHALL BE SPRUCE PINE FIR NO.2 OR BETTER. (NORTH).

3. ALL DIMENSIONAL LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%.

4. WALL STUDS SHALL BE 2X6'S @ 16" C/C AND SHALL BE ONE PIECE FULL HEIGHT. PROVIDE A MINIMUM OF 2 STUDS AT EACH SIDE OF ALL OPENINGS THROUGH ALL WALLS UNLESS NOTED OTHERWISE. APPLY GLUE TO FULL MATING SURFACE OF STUDS AND NAIL TOGETHER.

5. WHERE THE TERM "G & N" IS NOTED ON THE PLAN SET IT MEANS GLUE AND NAIL. GLUING SHALL CONFORM TO THE INFORMATION STATED BELOW. NAILING SHALL APPLY ENOUGH CLAMPING FORCE TO HOLD THE GLUED MATING SURFACES IN CONTACT UNTIL THE GLUE ATTAINS FULL STRENGTH.

6. WHERE GLUING OF WOOD MEMBERS IS SPECIFIED THE GLUE THAT IS TO BE USED IS "TITEBOND CONSTRUCTION ADHESIVE" AS MANUFACTURED BY FRANKLIN INTERNATIONAL.

7. WHERE GLUING IS SPECIFIED IT SHALL BE COMPLETED AS FOLLOWS:
   7.1. PLACE CONTINUOUS BEAD(S) OF GLUE ON ONE OF THE SURFACES TO BE GLUED.
   7.2. SPREAD GLUE OVER 100% OF THE SURFACE TO BE MATED.
   7.3. NAIL SO THAT SURFACES ARE HELD TIGHTLY TOGETHER UNTIL GLUE ATTAINS FULL STRENGTH.
   7.4. WIPE AWAY ANY EXCESS GLUE WHICH IS EXPELLED IF IT'S APPEARANCE WILL BE UNACCEPTABLE IN THE FINISHED STRUCTURE.

8. THE FOLLOWING FASTENING SCHEDULE OUTLINES THE MINIMUM REQUIREMENTS AND SHALL BE USED IN CONJUNCTION WITH THE COMPLETE FASTENING SCHEDULE IN 1995 CABO R-602.3A (RSN = RING SHANK NAIL CWN = COMMON WIRE NAIL)
   8.1. SUB FLOOR TO JOISTS: FASTEN WITH GLUE AND 1-8D RSN @ 6" C/C.
   8.2. SOLE PLATES TO SUB FLOOR: GLUE AND 1-16D CWN @ 8" C/C.
   8.3. STUDS TO SOLE PLATE: FASTEN WITH 2-16D CWN.
   8.4. STUDS TO CAP PLATES: FASTEN WITH 2-16D CWN.
   8.5. STUD-TO-STUD AND PLATE-TO-PLATE: 2-10D CWN @ 6" C/C.
   8.6. ROOF SHEATHING TO TRUSSES: 8D CWN @ 4" C/C.
   8.7. ROOF TRUSSES TO WALLS: SIMPSON STRONG-TIE ANCHOR H2.5.
   8.8. MULTIPLE 2X LINTELS: G & N WITH 16D CWN'S AS REQUIRED.
   8.9. MULTIPLE LVL BEAMS: FASTEN PER MANUFACTURER RECOMMENDATIONS.
   8.10. ROOF TRUSSES TO LVL: SIMPSON ANCHOR HU210

9. WHERE "LVL" OR "LSL" ARE NOTED ON THE DRAWINGS THE PRODUCTS USED MUST MEET THE FOLLOWING CRITERIA:
   – M.O.E. = 2,000,000 PSI.
   – FB = 2,000 PSI

WOOD TRUSSES

SPECIFICATIONS	– NDS, NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION LATEST EDITION.
EXTENDED ENDS	– TRUSSES SHALL BE FURNISHED WITH EXTEND ENDS WHERE INDICATED ON THE DRAWINGS.
BRIDGING, CAMBER & WELDING	– PER NDS
UPLIFT	– WITHIN 5 FT. OF BUILDING EDGE, NET UPLIFT DESIGN FOR JOIST – 15 PSF ALL OTHERS, NET UPLIFT DESIGN FOR JOIST – 10 PSF
SPECIAL JOIST	– JOISTS INDICATED ON THE ROOF FRAMING PLAN AS SPECIAL JOISTS SHALL BE DESIGNED FOR THE LOADS SHOWN ON THE JOIST LOADING DIAGRAMS.
* ROOF SHEATHING *	
SPECIFICATIONS	– NDS, NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION LATEST EDITION.
THICKNESS	– 3/4" PLYWOOD ROOF SHEATHINGS (MIN.)
FASTENERS	– SIDE SEAM ATTACHMENTS – 3 – #10 SCREWS/SPAN.

STRUCTURAL STEEL CONSTRUCTION

1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS – LATEST EDITION.

2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1-88.

3. STRUCTURAL STEEL:
   A. ROLLED STEEL SHAPES: ASTM A992 GRADE 50.
   B. STEEL PLATES, BARS, AND RODS AND ROLLED STEEL ANGLES AND CHANNELS: ASTM A36.
   C. STEEL TUBING: ASTM A500, GRADE B.
   D. STEEL PIPE: ASTM A53, TYPE E OR S, GRADE B.
   E. ANCHOR BOLTS: ASTM A307.

4. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS – ALLOWABLE STRESS DESIGN" AS APPROVED BY THE COUNCIL ON RIVETED AND BOLTED JOINTS. USE BEARING-TYPE BOLTS WITH THREADS ALLOWED ACROSS THE SHEAR PLANE.

5. WELDING ELECTRODES SHALL BE E-70 OR BETTER. FOR WELDING SYMBOLS WITH NO LENGTH DIMENSION GIVEN, THE WELDING SHALL BE CONTINUOUS BETWEEN ABRUPT CHANGES IN DIRECTION. WELDS NOT OTHERWISE NOTED SHALL BE 1/4" IN SIZE.

6. IN GENERAL, IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT ALL SHOP CONNECTIONS BE WELDED AND ALL FIELD CONNECTIONS BE BOLTED EXCEPT WHERE NOTED OTHERWISE.
   A. NON-COMPOSITE BEAM CONNECTIONS SHALL BE DESIGNED TO DEVELOP 55% OF THE TOTAL LOAD CAPACITY DERIVED FROM THE ALLOWABLE UNIFORM LOAD TABLES FOR Fy=50 KSI. IN PART 2 OF THE NINTH EDITION OF THE AISC "MANUAL OF STEEL CONSTRUCTION", UNLESS THE REACTION 'R' IS SHOWN ON THE DRAWINGS.
   B. COMPOSITE BEAM CONNECTIONS SHALL BE DESIGNED TO DEVELOP THE REACTION 'R' SHOWN ON THE DRAWINGS.
   C. MOMENT CONNECTIONS INDICATED ON THE DRAWINGS SHALL BE DESIGNED FOR THE MOMENTS NOTED. IF NO DESIGN MOMENT IS INDICATED, THEN THE FULL CAPACITY OF THE SECTION MUST BE DEVELOPED.

7. VERIFY THE EXACT SIZE AND LOCATION OF ALL OPENINGS PRIOR TO FABRICATION OF STEEL FRAMING MEMBERS.

8. PROVIDE BEARING PLATES UNDER STEEL BEAMS OF ADEQUATE SIZE TO KEEP MASONRY BEARING PRESSURE UNDER 250 PSI. STEEL BEAMS AND GIRDERS SHALL BEAR A MINIMUM OF 8" ON MASONRY, UNLESS OTHERWISE NOTED.

9. PROVIDE A NON-METALLIC, NON-SHRINK GROUT UNDER ALL COLUMN BASE PLATES AND BEAM BEARINGS.

10. EMBEDMENT LENGTH OF HILTI EXPANSION BOLTS, OR APPROVED SUBSTITUTION, INTO SOLID MASONRY OR CONCRETE SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
   1/2" DIAMETER BOLTS – 3-1/2" EMBEDMENT
   3/4" DIAMETER BOLTS – 5" EMBEDMENT

11. TYPICAL BEAM SHEAR CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL BE DETAILED WITH STANDARD DOUBLE ANGLE TYPE CONNECTIONS, USING A325 BOLTS.

INSPECTIONS

INSPECTIONS AND TESTING SERVICES SHALL BE PERFORMED BY BASE ENGINEERING, IN CONFORMANCE WITH PROJECT MANUAL AND OHIO BASIC BUILDING CODE, NEC, & NPC. FOOTER CONCRETE AND SIDEWALK CONCRETE SHALL BE TESTED AND PAID FOR BY THE CONTRACTOR AS PART OF HIS BASE BID:

INSPECTIONS AND TESTING SHALL BE PERFORMED FOR; BUT NOT LIMITED TO:

A. FIELD DENSITY TESTING OF SOILS.
B. SOILS GRADATIONS AND FILL PLACEMENT.
C. CAST-IN-PLACE CONCRETE.
D. MASONRY.
E. STRUCTURAL STEEL, STEEL JOISTS AND METAL DECK.
F. WELDING
G. COLD-FORMED METAL FRAMING.

STRUCTURAL ABBREVIATIONS

A.B. – ANCHOR BOLT
ADJT. – ADJUSTABLE
ADT. – ALTERNATE
ADDL. – ADDITIONAL
A.F.F. – ABOVE FINISH FLOOR
ARCH. – ARCHITECT OR ARCHITECTURAL
@ – AT
& – AND

BLK. – BLOCK
BLDG. – BUILDING
BM. – BEAM
BOT. – BOTTOM
BSMT. – BASEMENT
BP. – BASE PLATE
BRG. – BEARING

CANT. – CANTILEVER
C/C – CENTER TO CENTER
C.J. – CONTROL JOINT
C.L. – CENTERLINE
CLR. – CLEAR
COL. – COLUMN
C.J. – CONSTRUCTION JOINT
CTR. – CENTER
CONC. – CONCRETE
CONT. – CONTINUOUS
CMU – CONCRETE MASONRY UNIT

DEFL. – DEFLECTION
DEPR. – DEPRESSION
DET. – DETAIL
DIA. – DIAMETER
DIM. – DIMENSION
D.J. – DOUBLE JOIST
DWG. – DRAWING
DWL. – DOWEL

EA. – EACH
E.E. – EACH END
E.F. – EACH FACE
EXP JT – EXPANSION JOINT
EL. – ELEVATION
ELEV. – ELEVATOR
E-W – EAST-WEST
E.W. – EACH WAY
EQP. – EQUIPMENT
EX. – EXISTING
EXIST . – EXISTING
EXT. – EXTERIOR

FDN. – FOUNDATION
FIN. – FINISH
F.L. – FULL LENGTH
FLR. – FLOOR
F.S. – FAR SIDE
FTG. – FOOTING

GA. – GAGE
GD. – GRADE
GRD. – GROUND

HORIZ. – HORIZONTAL
HDR. – HEADER

INT. – INTERIOR

JST. – JOIST
JT. – JOINT

K. – KIP (1000 LBS.)

LLH – LONG LEG HORIZONTAL
LLV – LONG LEG VERTICAL
LONG. – LONGITUDINAL

MANUF. – MANUFACTURER
MAS. – MASONRY
MAX. – MAXIMUM
MIN. – MINIMUM
MK. – MARK

N-S – NORTH-SOUTH
NS – NEAR SIDE
NTS – NOT TO SCALE

OPG. – OPENING
OPP. – OPPOSITE
O/C – ON CENTER

PL. – PLATE

PSF – POUNDS PER SQUARE FOOT

R. – RISER
R/C – REINFORCED CONCRETE
REINF. – REINFORCE (D) (ING)
REQD. – REQUIRED

SCHED. – SCHEDULE
SECT. – SECTION
SHT. – SHEET
S.J. – STEEL JOIST
SL – SLOPED
S.O.G. – SLAB-ON-GRADE
SPA. – SPACES OR SPACING
SPRD. – SPREAD
S.S. – SOLID SLAB
STD. – STANDARD
STL. – STEEL
STR. – STRUCTURE
STRU. – STRUCTURAL
SUP. – SUPPORT
SYM. – SYMMETRICAL

T. – TOP
T.&B. – TOP & BOTTOM
T/CONC. – TOP OF CONCRETE
TST – TOP OF STEEL
TSL – TOP OF SLAB
TYP. – TYPICAL

U.N.O. – UNLESS NOTED OTHERWISE

VERT. – VERTICAL
VBAR. – VAPOR BARRIER

W/ – WITH
W/O – WITHOUT
W.W.F. – WELDED WIRE FABRIC

GENERAL CONSTRUCTION NOTES & SPECIFICATIONS
SCALE: N.T.S.

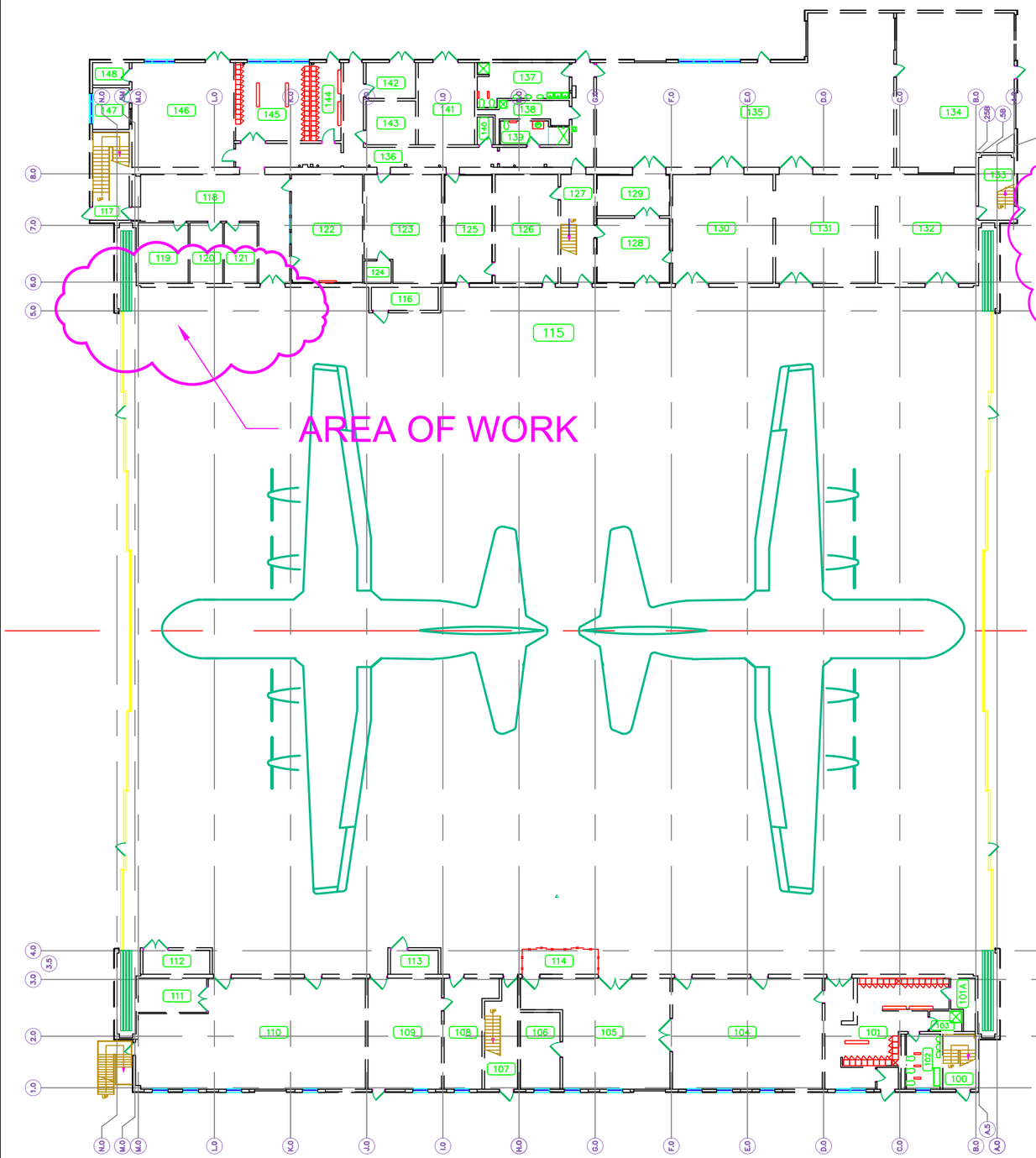
910th AIRLIFT WING
YOUNGSTOWN AIR RESERVE STATION
VIENNA, OHIO

DEPARTMENT OF THE AIR FORCE
AIRCRAFT HANGER BUILDING 305
GENERAL CONSTRUCTION NOTES & SPECIFICATIONS

G2

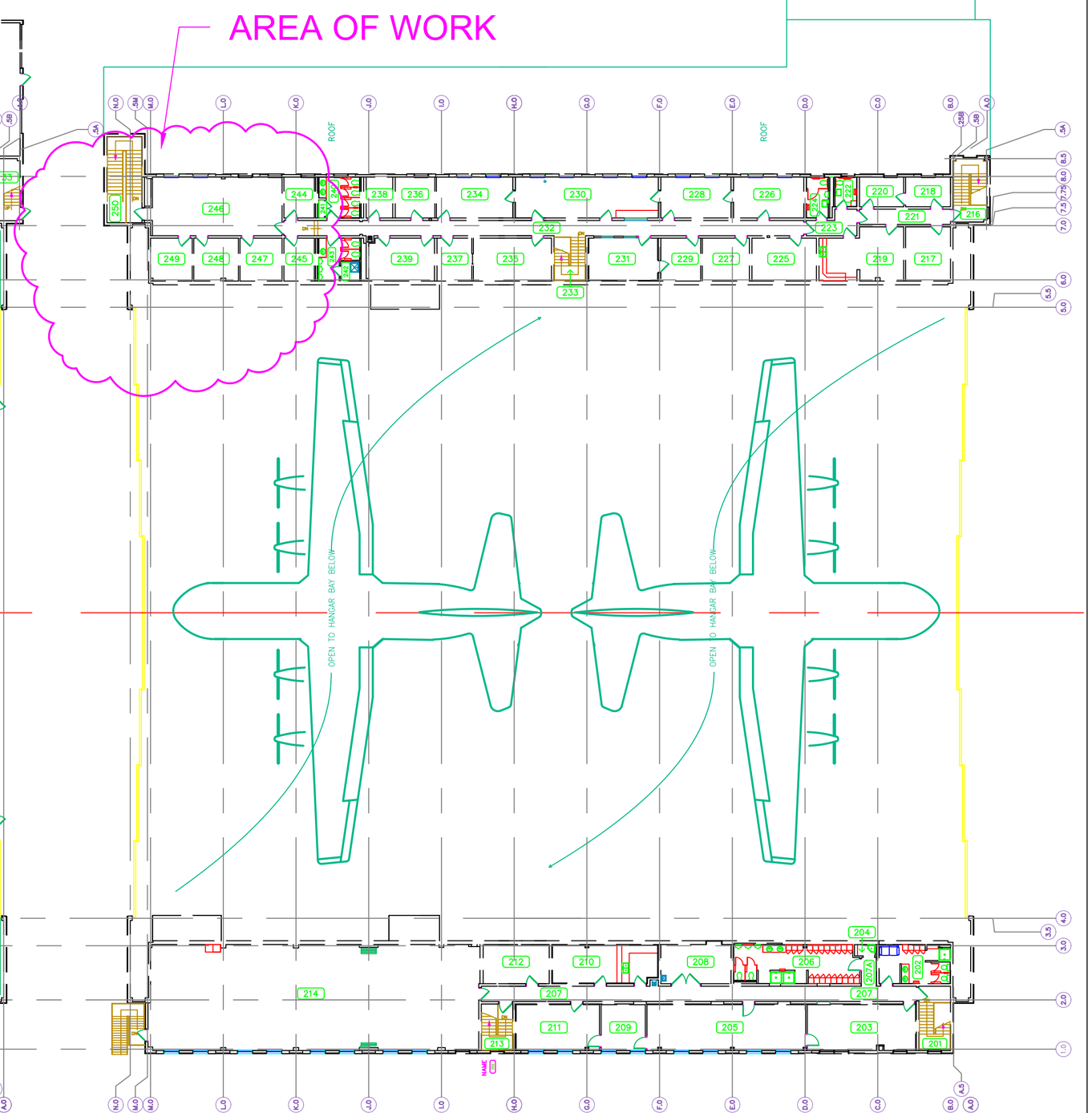
BUILDING NUMBER:	101, 201, 415, & 305
SCALE:	N.T.S.
REV DATE:	9/10/2020
DESIGN BY:	D.J. CUTRER
CONST. DATE:	1957
GROSS SQ. FT.:	290

CONTROLLED UNCLASSIFIED INFORMATION



AIRCAFT HANGER 305 1st FLOOR PLAN

SCALE: N.T.S.



AIRCAFT HANGER 305 2nd FLOOR PLAN

SCALE: N.T.S.

EXISTING AIRCAFT HANGER WORK LOCATION PLAN

SCALE: N.T.S.

910th AIRLIFT WING YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	DEPARTMENT OF THE AIR FORCE AIRCRAFT HANGER BUILDING 305 EXISTING LOCATON PLAN	A1	3 OF 18	BUILDING NUMBER: 305 SCALE: N.T.S	REV DATE: 9/10/2020 DESIGN BY: D.J. CUTRER CONST. DATE: 1957 GROSS SQ. FT.: 290

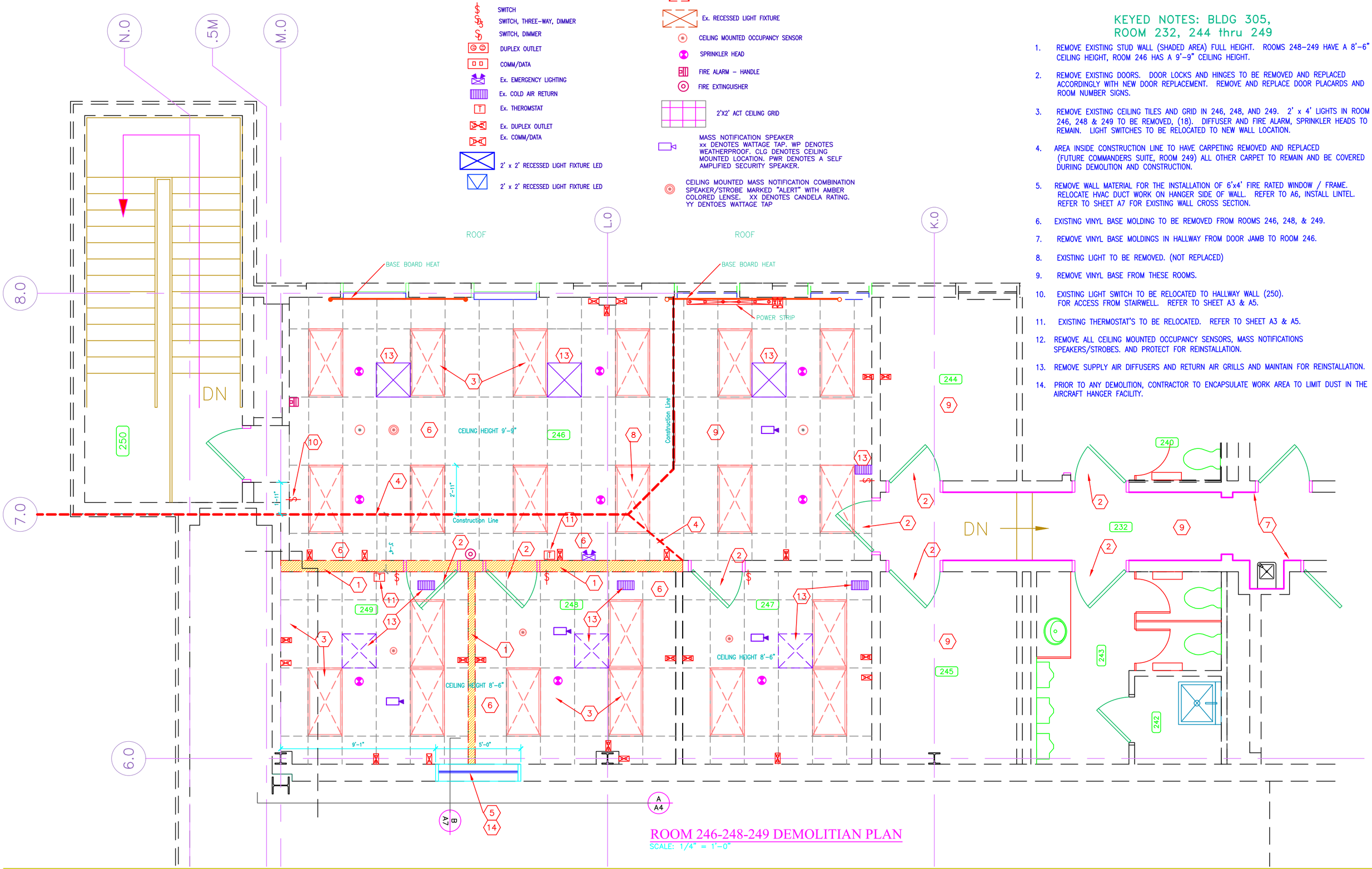
CONTROLLED UNCLASSIFIED INFORMATION

LEGEND

- SWITCH
- SWITCH, THREE-WAY, DIMMER
- SWITCH, DIMMER
- DUPLEX OUTLET
- COMM/DATA
- Ex. EMERGENCY LIGHTING
- Ex. COLD AIR RETURN
- Ex. THEROMSTAT
- Ex. DUPLEX OUTLET
- Ex. COMM/DATA
- 2' x 2' RECESSED LIGHT FIXTURE LED
- 2' x 2' RECESSED LIGHT FIXTURE LED
- Ex. SUPPLY AIR DIFFUSER
- Ex. RECESSED LIGHT FIXTURE
- CEILING MOUNTED OCCUPANCY SENSOR
- SPRINKLER HEAD
- FIRE ALARM – HANDLE
- FIRE EXTINGUISHER
- 2'X2' ACT CEILING GRID
- MASS NOTIFICATION SPEAKER xx DENOTES WATTAGE TAP. WP DENOTES WEATHERPROOF. CLG DENOTES CEILING MOUNTED LOCATION. PWR DENOTES A SELF AMPLIFIED SECURITY SPEAKER.
- CEILING MOUNTED MASS NOTIFICATION COMBINATION SPEAKER/STROBE MARKED "ALERT" WITH AMBER COLORED LENSE. XX DENOTES CANDELA RATING. YY DENTOES WATTAGE TAP

KEYED NOTES: BLDG 305, ROOM 232, 244 thru 249

1. REMOVE EXISTING STUD WALL (SHADED AREA) FULL HEIGHT. ROOMS 248–249 HAVE A 8'–6" CEILING HEIGHT, ROOM 246 HAS A 9'–9" CEILING HEIGHT.
2. REMOVE EXISTING DOORS. DOOR LOCKS AND HINGES TO BE REMOVED AND REPLACED ACCORDINGLY WITH NEW DOOR REPLACEMENT. REMOVE AND REPLACE DOOR PLACARDS AND ROOM NUMBER SIGNS.
3. REMOVE EXISTING CEILING TILES AND GRID IN 246, 248, AND 249. 2' x 4' LIGHTS IN ROOM 246, 248 & 249 TO BE REMOVED, (18). DIFFUSER AND FIRE ALARM, SPRINKLER HEADS TO REMAIN. LIGHT SWITCHES TO BE RELOCATED TO NEW WALL LOCATION.
4. AREA INSIDE CONSTRUCTION LINE TO HAVE CARPETING REMOVED AND REPLACED (FUTURE COMMANDERS SUITE, ROOM 249) ALL OTHER CARPET TO REMAIN AND BE COVERED DURIING DEMOLITION AND CONSTRUCTION.
5. REMOVE WALL MATERIAL FOR THE INSTALLATION OF 6'x4' FIRE RATED WINDOW / FRAME. RELOCATE HVAC DUCT WORK ON HANGER SIDE OF WALL. REFER TO A6, INSTALL LINTEL. REFER TO SHEET A7 FOR EXISTING WALL CROSS SECTION.
6. EXISTING VINYL BASE MOLDING TO BE REMOVED FROM ROOMS 246, 248, & 249.
7. REMOVE VINYL BASE MOLDINGS IN HALLWAY FROM DOOR JAMB TO ROOM 246.
8. EXISTING LIGHT TO BE REMOVED. (NOT REPLACED)
9. REMOVE VINYL BASE FROM THESE ROOMS.
10. EXISTING LIGHT SWITCH TO BE RELOCATED TO HALLWAY WALL (250). FOR ACCESS FROM STAIRWELL. REFER TO SHEET A3 & A5.
11. EXISTING THERMOSTAT'S TO BE RELOCATED. REFER TO SHEET A3 & A5.
12. REMOVE ALL CEILING MOUNTED OCCUPANCY SENSORS, MASS NOTIFICATIONS SPEAKERS/STROBES. AND PROTECT FOR REINSTALLATION.
13. REMOVE SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLS AND MAINTAIN FOR REINSTALLATION.
14. PRIOR TO ANY DEMOLITION, CONTRACTOR TO ENCAPSULATE WORK AREA TO LIMIT DUST IN THE AIRCRAFT HANGER FACILITY.



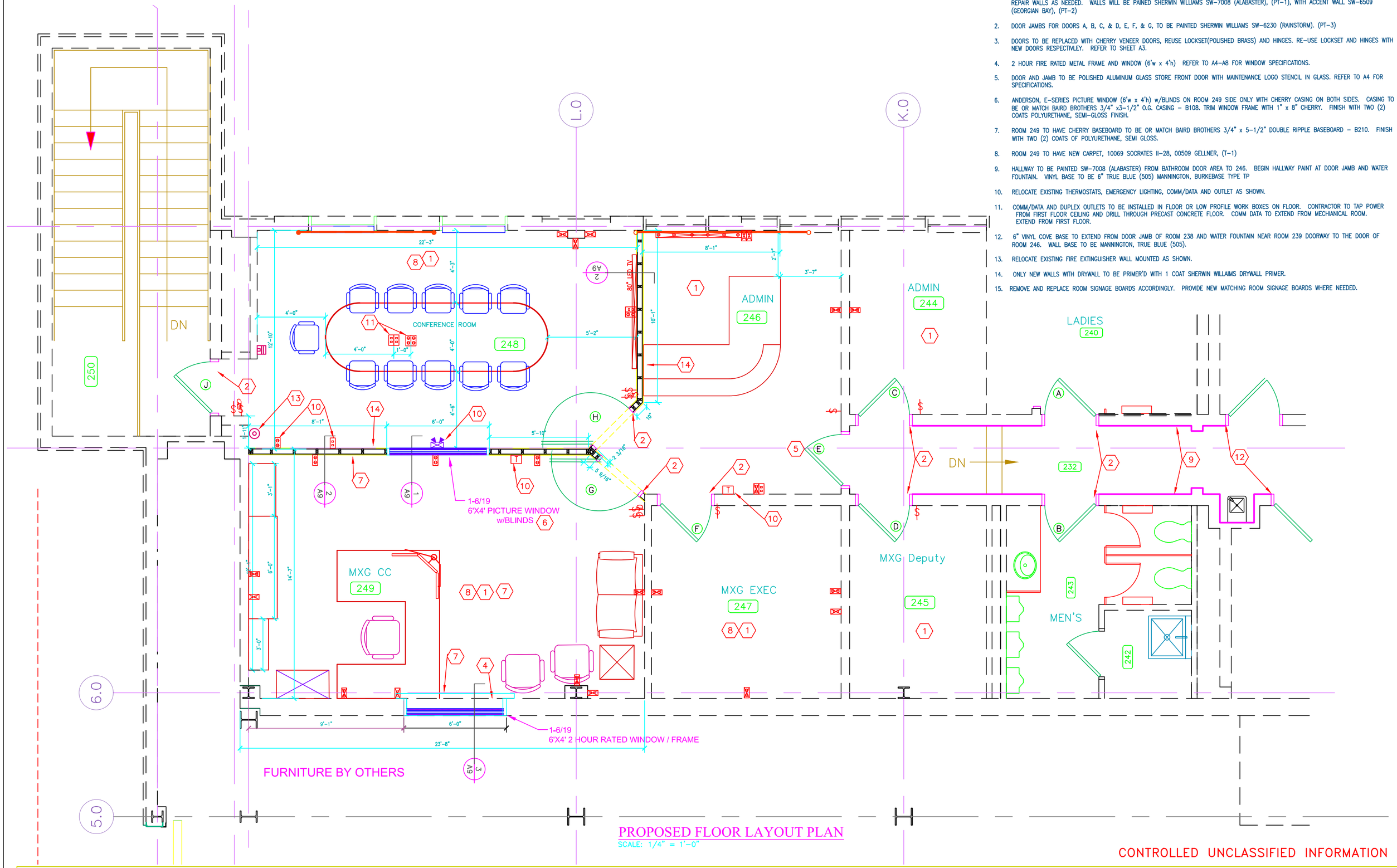
ROOM 246-248-249 DEMOLITIAN PLAN

SCALE: 1/4" = 1'–0"

910th AIRLIFT WING YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	DEPARTMENT OF THE AIR FORCE AIRCRAFT HANGER BUILDING 305 DEMOLITION PLAN / MODIFY EXISTING OFFICES	A2	4 OF 18	BUILDING NUMBER: 305 SCALE: 1/4" = 1'	REV DATE: 9/10/2020 DESIGN BY: D.J. CUTRER CONST. DATE: 1957 GROSS SQ. FT.: 290

GENERAL NOTES: BLDG 305, ROOM 244 to 249

1. ROOMS 232-244-245-246-247-248-249 TO BE PAINTED WITH 2 COATS OF SHERWIN WILLIAMS PAINT. REMOVE ALL VINYL BASE PRIOR AND REPAIR WALLS AS NEEDED. WALLS WILL BE PAINED SHERWIN WILLIAMS SW-7008 (ALABASTER), (PT-1), WITH ACCENT WALL SW-6509 (GEORGIAN BAY), (PT-2)
2. DOOR JAMBS FOR DOORS A, B, C, & D, E, F, & G, TO BE PAINTED SHERWIN WILLIAMS SW-6230 (RAINSTORM). (PT-3)
3. DOORS TO BE REPLACED WITH CHERRY VENEER DOORS, REUSE LOCKSET(POLISHED BRASS) AND HINGES. RE-USE LOCKSET AND HINGES WITH NEW DOORS RESPECTIVLEY. REFER TO SHEET A3.
4. 2 HOUR FIRE RATED METAL FRAME AND WINDOW (6'w x 4'h) REFER TO A4-A8 FOR WINDOW SPECIFICATIONS.
5. DOOR AND JAMB TO BE POLISHED ALUMINUM GLASS STORE FRONT DOOR WITH MAINTENANCE LOGO STENCIL IN GLASS. REFER TO A4 FOR SPECIFICATIONS.
6. ANDERSON, E-SERIES PICTURE WINDOW (6'w x 4'h) w/BLINDS ON ROOM 249 SIDE ONLY WITH CHERRY CASING ON BOTH SIDES. CASING TO BE OR MATCH BAIRD BROTHERS 3/4" x3-1/2" O.G. CASING – B108. TRIM WINDOW FRAME WITH 1" x 8" CHERRY. FINISH WITH TWO (2) COATS POLYURETHANE, SEMI-GLOSS FINISH.
7. ROOM 249 TO HAVE CHERRY BASEBOARD TO BE OR MATCH BAIRD BROTHERS 3/4" x 5-1/2" DOUBLE RIPPLE BASEBOARD – B210. FINISH WITH TWO (2) COATS OF POLYURETHANE, SEMI GLOSS.
8. ROOM 249 TO HAVE NEW CARPET, 10069 SOCRATES II-28, 00509 GELLNER, (T-1)
9. HALLWAY TO BE PAINTED SW-7008 (ALABASTER) FROM BATHROOM DOOR AREA TO 246. BEGIN HALLWAY PAINT AT DOOR JAMB AND WATER FOUNTAIN. VINYL BASE TO BE 6" TRUE BLUE (505) MANNINGTON, BURKEBASE TYPE TP
10. RELOCATE EXISTING THERMOSTATS, EMERGENCY LIGHTING, COMM/DATA AND OUTLET AS SHOWN.
11. COMM/DATA AND DUPLEX OUTLETS TO BE INSTALLED IN FLOOR OR LOW PROFILE WORK BOXES ON FLOOR. CONTRACTOR TO TAP POWER FROM FIRST FLOOR CEILING AND DRILL THROUGH PRECAST CONCRETE FLOOR. COMM DATA TO EXTEND FROM MECHIANICAL ROOM. EXTEND FROM FIRST FLOOR.
12. 6" VINYL COVE BASE TO EXTEND FROM DOOR JAMB OF ROOM 238 AND WATER FOUNTAIN NEAR ROOM 239 DOORWAY TO THE DOOR OF ROOM 246. WALL BASE TO BE MANNINGTON, TRUE BLUE (505).
13. RELOCATE EXISTING FIRE EXTINGUISHER WALL MOUNTED AS SHOWN.
14. ONLY NEW WALLS WITH DRYWALL TO BE PRIMER'D WITH 1 COAT SHERWIN WILLAIMS DRYWALL PRIMER.
15. REMOVE AND REPLACE ROOM SIGNAGE BOARDS ACCORDINGLY. PROVIDE NEW MATCHING ROOM SIGNAGE BOARDS WHERE NEEDED.



PROPOSED FLOOR LAYOUT PLAN
SCALE: 1/4" = 1'-0"

CONTROLLED UNCLASSIFIED INFORMATION

910th AIRLIFT WING YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	DEPARTMENT OF THE AIR FORCE AIRCRAFT HANGER BUILDING 305 ROOM 246-248-249 REMODEL LAYOUT PLAN	A3	5 OF 18	BUILDING NUMBER: 305 SCALE: 1/4" = 1'

REV DATE:	9/10/2020
DESIGN BY:	D.J. CUTRER
CONST. DATE:	1957
GROSS SQ. FT.:	290

DOOR AND FRAME SCHEDULE

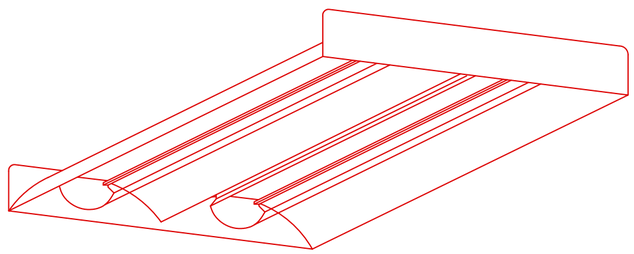
MXG COMMANDERS SUITE

DOOR NUMBER	ROOM NUMBER	ROOM NAME	DOOR WIDTH	DOOR HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR COATING	DOOR GLAZING	DOOR STC	DOOR RATING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME COATING	FRAME HEAD	FRAME JAMB	FRAME THRESHOLD	HARDWARE SET	REMARKS
A	240	MENS RESTROOM	3'-0"	7'-0"	A	WD	CH	FF	--	--	--	MFR	MTL	FF	PT-3				PASSAGE	BRUSHED COPPER
B	243	WOMENS RESTROOM	3'-0"	7'-0"	A	WD	CH	FF	--	--	--	MFR	MTL	FF	PT-3				PASSAGE	BRUSHED COPPER
C	244	ADMIN	3'-0"	7'-0"	NL	WD	CH	FF	--	--	--	MFR	MTL	FF	PT-3				RE-USE EX.	
D	245	MX DEPUTY	3'-0"	7'-0"	NL	WD	CH	FF	--	--	--	MFR	MTL	FF	PT-3				RE-USE EX.	
E	246	COMMANDERS SUITE	3'-0"	7'-0"	FG	ALUM	ALUM	FF	--	--	--	MFR	ALUM	FF	PT-3				ALUM PASSAGE	
F	247	MX EXEC	3'-0"	7'-0"	NL	WD	CH	FF				MFR	MTL	FF	PT-3				RE-USE EX.	
G	248	CONFERENCE ROOM	3'-0"	7'-0"	NL	WD	CH	FF	--	--	--	MFR	MTL	FF	PT-3				NEW PASSAGE	BRUSHED COPPER
H	249	MX CC	3'-0"	7'-0"	NL	WD	CH	FF	--	--	--	MFR	MTL	FF	PT-3				RE-USE	FROM ROOM 249
J	250	STAIRWELL	3'-0"	7'-0"	EX	ST	PT-1	PT-1	--	--	--	MFR	MTL	PT-3	PT-3				N/A	

INTERIOR FINISH SCHEDULE

MXG COMMANDERS SUITE

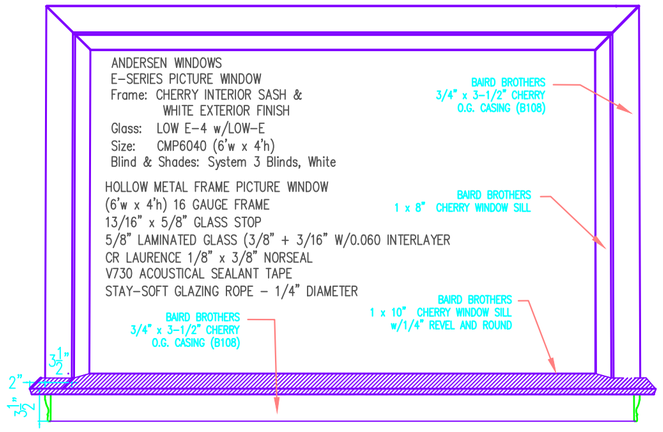
ROOM NUMBER	ROOM NAME	FLOOR FINISH	WALL BASE	WEST FINISH	NORTH FINISH	EAST FINISH	SOUTH FINISH	CEILING MATERIAL	CEILING FINISH	MILLWORK	REMARKS
232	HALLWAY	-	RB-2	P-1	P-1	P-1	P-1				RB-2 = 6" VINYL BASE (BLUE)
240	MENS RESTROOM	-		-		-		-	-	- -	
243	WOMENS RESTROOM	-	-	-	-	-	-	-	-		
244	ADMIN	EX	RB-1	P-1	P-1	P-1	P-3	EX	-		RB-1 = 4" VINYL BASE (BLUE)
245	MXG DEPUTY	EX	RB-1	P-1	P-3	P-1	P-1	EX	-		
246	ADMIN	EX	RB-1	P-1	P-1, 4	P-1	P-1	ACT-1	-		
247	MXG EXEC	EX	RB-1	P-1	P-3	P-1	P-1	EX	-		
248	CONFERENCE ROOM	EX	RB-1	P-1, 4	P-1	P-1	P-3, 4	ACT-1 EX	-	W-1, PT-5	CHERRY WINDOW TRIM
249	MX CC	CAR.1	W-1	P-1	P-1	P-1, 4	P-3	ACT-1	FF	W-1, PT-5	CHERRY WINDOW TRIM & BASEBOARD



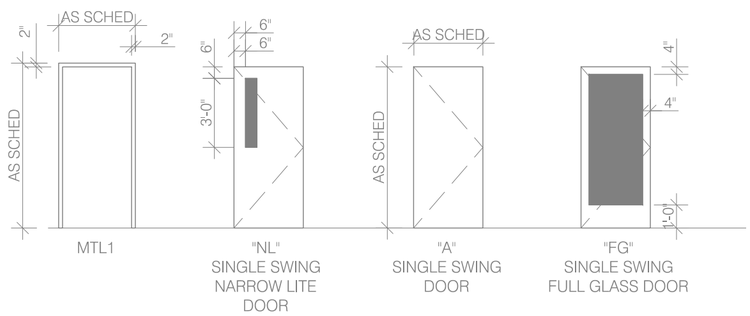
LUMINAIRE REQUIREMENTS:

1. HOUSING - DIE-FORMED, COLD ROLLED STEEL, WITH ONE-PIECE LOWER REFLECTOR HAVING TEXTURED, HIGH REFLECTANCE, WHITE POLYESTER POWDER-COATED FINISH. OPTIONAL SIZES OF 1FT x 4FT, 2FT x 2FT, AND 2FT x 4FT AVAILABLE.
2. LIGHT SOURCE - UPWARD-FACING LEDS WITH DIFFUSE LENS TO ELIMINATE DIRECT VIEW OF LIGHT SOURCE. 3500K COLOR TEMPERATURE UON, MAXIMUM BINNING TOLERANCE OF A 4-STEP MCADAM ELLIPSE. MINIMUM EFFICACY OF 90 LUMENS/WATT, WITH A MINIMUM CRI OF 80. INITIAL LUMEN OUTPUT AS INDICATED IN LUMINAIRE SCHEDULE.
4. DRIVER - REPLACEABLE, INTEGRAL, HIGH-EFFICIENCY DRIVER WITH MINIMUM 0.9 PF, OPERATING VOLTAGE OF 120-277V, THERMAL MANAGEMENT, < 20% TOTAL HARMONIC DISTORTION. STEP-DIMMABLE OR FULLY DIMMABLE AS INDICATED IN LUMINAIRE SCHEDULE.
5. CERTIFICATION - UL 1598, DAMP LOCATION, DLC QUALIFIED, AND ROHS COMPLIANT. COMPLIES WITH LM79, LM80 AND TM21 TESTING STANDARDS. UL 924 WHEN EQUIPPED WITH EMERGENCY BATTERY BACK-UP. IC RATED WHEN INDICATED.
6. MOUNTING - RECESSED IN SUSPENDED ACOUSTICAL TILE OR HARD CEILING.
7. THIS SKETCH IS A NON-PROPRIETARY GRAPHIC REPRESENTATION OF A LUMINAIRE THAT MAY MEET THE SPECIFICATION REQUIREMENTS. IT IS NOT INTENDED TO INDICATE A CERTAIN MANUFACTURER OR PREFERENCE.

DIRECT/INDIRECT LED TROFFER



PICTURE WINDOW DETAIL #1
NTS



DOOR TYPE DETAIL
NTS

COLOR SCHEDULE KEY:

ETR EXISTING TO REMAIN
P&M PATCH & MATCH EXISTING

FLOOR ROOM 249
CAR.1 CARPET – MANNINGTON, CAMUS, 24 OZ. COLOR: BACH, (33117) 12'–6" w/PATTERN LOOP w/INTEGRA HP BACKING

BASE ROOMS 248, 247, 246, 245 & 245
RB.1 RUBBER COVE BASE – MANNINGTON, BURKEBASE TYPE TP WALL BASE, STANDARD TOE, COLOR: 505 TRUE BLUE – 4" H. X 1/8"

BASE ROOM 232
RB.2 RUBBER COVE BASE – MANNINGTON, BURKEBASE TYPE TP WALL BASE, STANDARD TOE, COLOR: 505 TRUE BLUE – 6" H. X 1/8"

BASE ROOM 249
W–1 WOOD BASE – TRIM – BAIRD BROTHERS, – CHERRY, B–210, 3/4" x 5–1/2" DOUBLE RIPPLE BASEBOARD 2 COATS COLOR: POLY EUROTHENE, SEMI GLOSS.

WALLS

PT–1 PAINT – SHERWIN WILLIAMS, PRO CLASSIC WATERBORNE INTERIOR ACRYLIC ENAMEL, COLOR: SW–7008, ALABASTER, SATIN FINISH, 2–COATS

PT–2 PAINT – SHERWIN WILLIAMS, PRO CLASSIC WATERBORNE INTERIOR ACRYLIC ENAMEL, COLOR: SW–6509, GOERGIAN BAY, SATIN FINISH, 2–COATS

PT–3 PAINT – SHERWIN WILLIAMS, PRO CLASSIC WATERBORNE INTERIOR ACRYLIC ENAMEL, COLOR: SW–6230, RAINSTORM, SEMI GLOSS FINISH, 2–COATS

PT–4 PAINT – SHERWIN WILLIAMS, DRYWALL PRIMER, LOW–ODOR PAINT, COLOR: WHITE – 2 COATS

PT–5 MINWAX, POLY–URETHANE, SEMI–GLOSS, 3–COATS

CEILING ROOM 246, 248, & 249
ACT.1 ACOUSTIC CEILING TILE – ARMSTRONG, CIRRUS ANGLED REGULAR 584 2' x 2' x 3/4" WITH PRELUDE 15/16" SUSPENSION SYSTEM – WHITE

MILLWORK ROOM 248 & 249
PL.1 WOOD TRIM – 1" X XX" CHERRY, ALL WOOD WORK INTERIOR PICTURE WINDOW

PT–5 MINWAX, POLY URETHANE, SEMI GLOSS, 3 COATS

SCHEDULED NOTES
1. REFER TO THE FLOOR FINISH PLAN A3, 4/11 FOR FURNITURE PLAN. FURNITURE BY OTHERS.
2. REFER TO THE WALL FINISH PLAN A9, 10/11 FOR WALL ELEVATIONS PATTERN, MATERIALS AND COLORS.
3. REFER TO THE REFLECTED CEILING FINISH PLAN A5, 6/11 FOR SOFFIT FINISHES AND COLORS.

GENERAL NOTES
A. PAINT ALL HOLLOW METAL TRIM PT–3 – SHERWIN WILLIAMS, INTERIOR ACRYLIC ENAMEL, COLOR: SW–6230, RAINSTORM SEMIGLOSS FINISH, 2–COATS.
B. MATCH ADJOINING OR EXISTING SIMILAR SURFACES COLORS, TEXTURES OR PATTERNS WHERE DISTURBED OR DAMAGED BY ALTERATIONS OR NEW WORK WHEN NOT SCHEDULED.
C. WHERE FIN TUBE COVERS, CONVECTORS, METAL ACCESS DOORS, PANELS, COVER PLATES OR OTHER MISC. METALS OCCUR WITHIN A WALL, PAINT THEM TO MATCH THE COLOR OF THE WALL.
D. WHERE NEW CARPET MEETS EXISTING CAPRET IN ROOM 249–246, PROVIDE THE APPROPRIATE THRESHOLD TO COVER SEAM, BRUSHED ALUM.

GENERAL NOTES

1. SEE INTERIOR FINISH SCHEDULE FOR INTERIOR DOOR COLORS.

LEGEND

ACOU	ACOUSTIC
ALUM	ALUMINUM
ANOD	ANODIZED
ATFP	ANTI TERRORISM / FORCE PROTECTION
CO	CASED OPENING
(E)	EXISTING
FF	FACTORY FINISH
FPG	FIRE PROTECTIVE GLAZING
GL1	TEMPERED CLEAR
HD	HEAVY DUTY
HM	HOLLOW METAL
IGU	INSULATED GLASS UNIT
INS/HM	INSULATED HOLLOW METAL
LAM	LAMINATED
MD	MAX DUTY
MFR	MANUFACTURER
MG	METAL GATE
MTL	METAL
ORG	ORGANIC
PB	PANIC BAR
PT	PAINT
SC	SOLID CORE WOOD
SMK	SMOKE RATED
ST	STAIN COLOR
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD DUTY
STL	STEEL
SWG	SAFETY WIRED GLASS
TEMP	TEMPERED
WD	WOOD
XHD	EXTRA HEAVY DUTY

FINISHES & ABBREVIATION KEY

ACT	ACOUSTIC CEILING TILE
CT	CERAMIC TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
(E) or EXIST	EXISTING TO REMAIN
EXP	EXPOSED
FF	FACTORY FINISH
GR	GROUT
GWB	GYPSUM WALL BOARD
HDWR	CABINETRY HARDWARE
HPL	HIGH PRESSURE LAMINATE
MB	MINI BLINDS
MR	MOISTURE RESISTANT
P-#	PAINT
PL	PLASTIC LAMINATE
QT	QUARRY TILE
RAF	RAISED ACCESS FLOORING
RB	RUBBER BASE
RES	RESILIENT
S-#	STAIN
SC	SEALED CONCRETE
SS	SOLID SURFACE
STR	OPEN TO STRUCTURE ABOVE
VCT	VINYL COMPOSITION TILE
WT	WALL TILE

NOTES:

1. CONTRACTOR SHALL COORDINATE ALL COLOR AND FINISH SELECTIONS WITH THE CONTRACTING OFFICER'S REPRESENTATIVE PRIOR TO ORDERING.

CONTROLLED UNCLASSIFIED INFORMATION

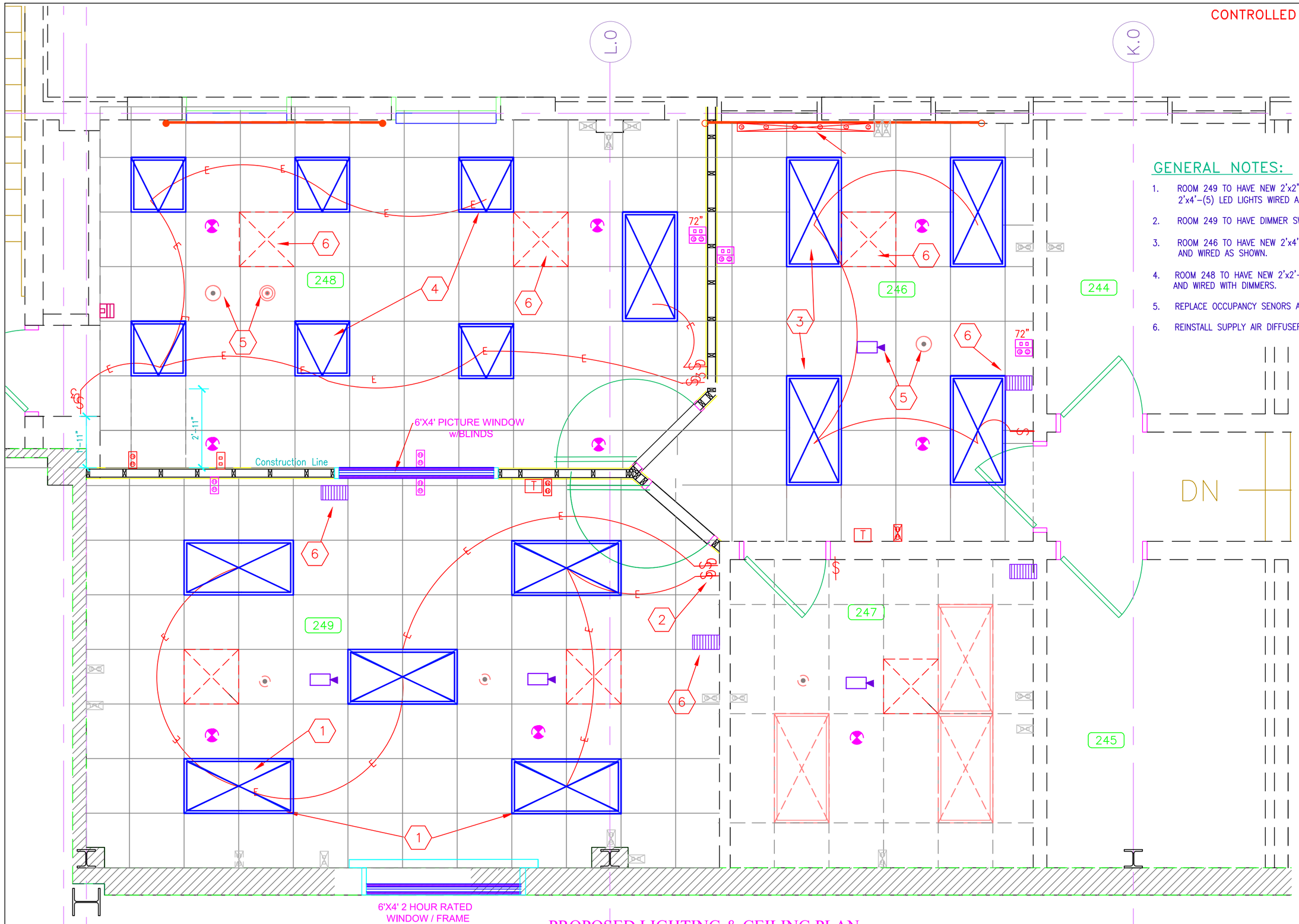
910th AIRLIFT WING
YOUNGSTOWN AIR
RESERVE STATION
VIENNA, OHIO

DEPARTMENT OF THE AIR FORCE
AIRCRAFT HANGER BUILDING 305
ROOM 246-248-249 INTEIOR FINISH & ROOM SCHEDULE

A4

BUILDING NUMBER: 305
SCALE: 1/4" = 1'
REV DATE: 9/10/2020
DESIGN BY: D.J. CUTRER
CONST. DATE: 1957
GROSS SQ. FT.: 290

CONTROLLED UNCLASSIFIED INFORMATION



GENERAL NOTES:

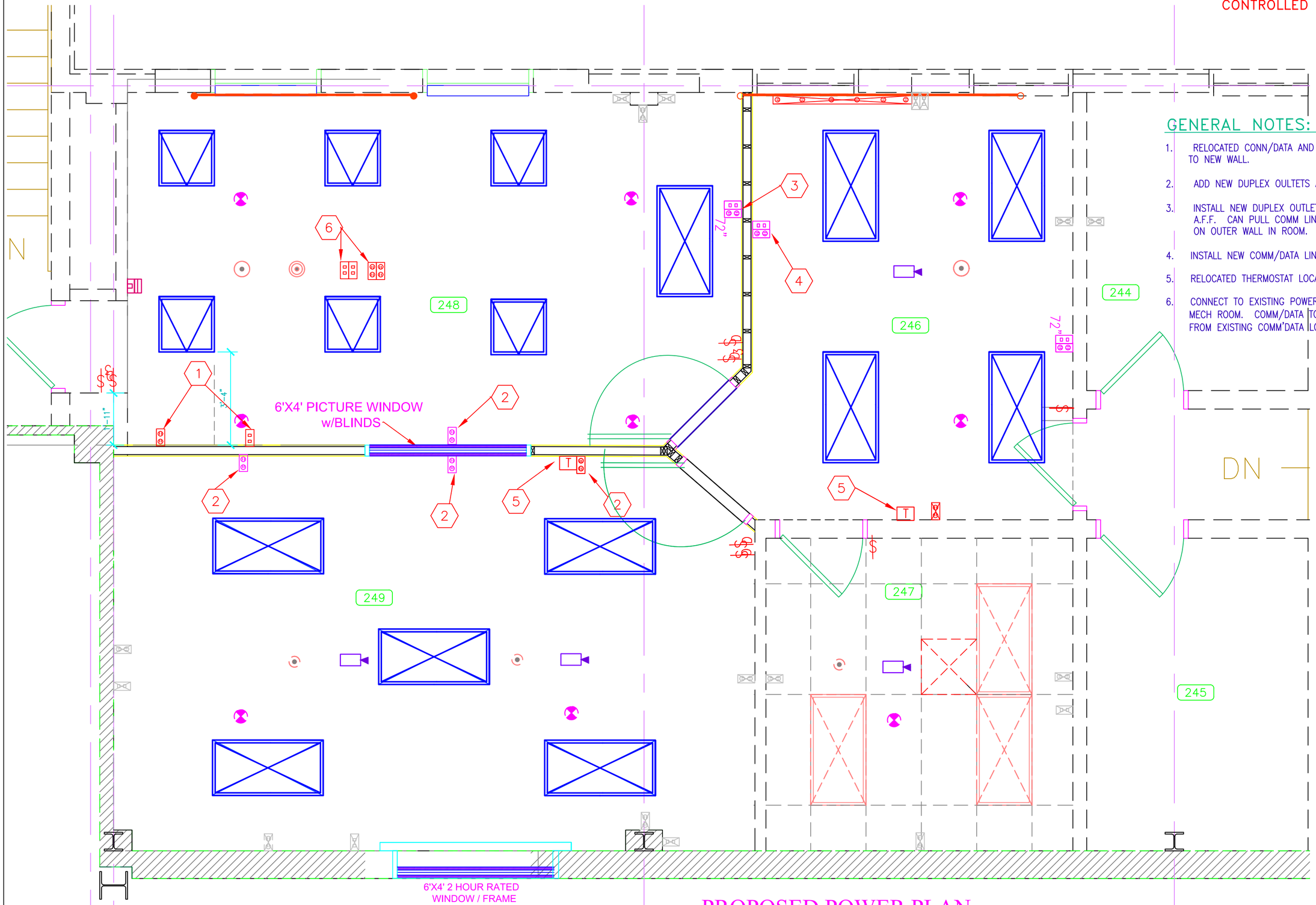
1. ROOM 249 TO HAVE NEW 2'x2" CEILING TILES AND GRID WITH 2'x4'-(5) LED LIGHTS WIRED AS SHOWN.
2. ROOM 249 TO HAVE DIMMER SWITCHES FOR LIGHTING, REFER TO DIAGRAM.
3. ROOM 246 TO HAVE NEW 2'x4'-(4) LED LIGHTS WITH NEW 2'X2' CEILING GRID AND WIRED AS SHOWN.
4. ROOM 248 TO HAVE NEW 2'x2'-(6), 2'x4'-(1) LED LIGHTS INSTALLED AS SHOWN AND WIRED WITH DIMMERS.
5. REPLACE OCCUPANCY SENORS AND MASS COMMUNICATIONS EQUIPMENT.
6. REINSTALL SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLES AS SHOWN.

PROPOSED LIGHTING & CEILING PLAN

SCALE: 3/8" = 1'-0"

910th AIRLIFT WING YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	DEPARTMENT OF THE AIR FORCE AIRCRAFT HANGER BUILDING 305 ROOM 246-248-249 CEILING LAYOUT & LIGHTING PLAN	A5	7 OF 18	BUILDING NUMBER: 305 SCALE: 3/8" = 1'	REV DATE: 9/10/2020 DESIGN BY: D.J. CUTRER CONST. DATE: 1957 GROSS SQ. FT.: 290

CONTROLLED UNCLASSIFIED INFORMATION



GENERAL NOTES: BLDG. 305

1. RELOCATED CONN/DATA AND DUPLEX OUTLET FROM EXISTING WALL TO NEW WALL.
2. ADD NEW DUPLEX OULTETS AS SHOWN (WHITE OUTLETS AND PLATES).
3. INSTALL NEW DUPLEX OUTLET AND COMM/DATA LINE IN NEW WALL AT 78" A.F.F. CAN PULL COMM LINES FROM EXISTING LOCATION ON OUTER WALL IN ROOM.
4. INSTALL NEW COMM/DATA LINE AND DUPLEX OUTLET. (WHITE)
5. RELOCATED THERMOSTAT LOCATION.
6. CONNECT TO EXISTING POWER IN FIRST FLOOR CEILING OR FROM MECH ROOM. COMM/DATA TO EXTEND FROM MECH/COMM ROOM OR FROM EXISTING COMM'DATA LOCATED IN ROOM 248.

PROPOSED POWER PLAN

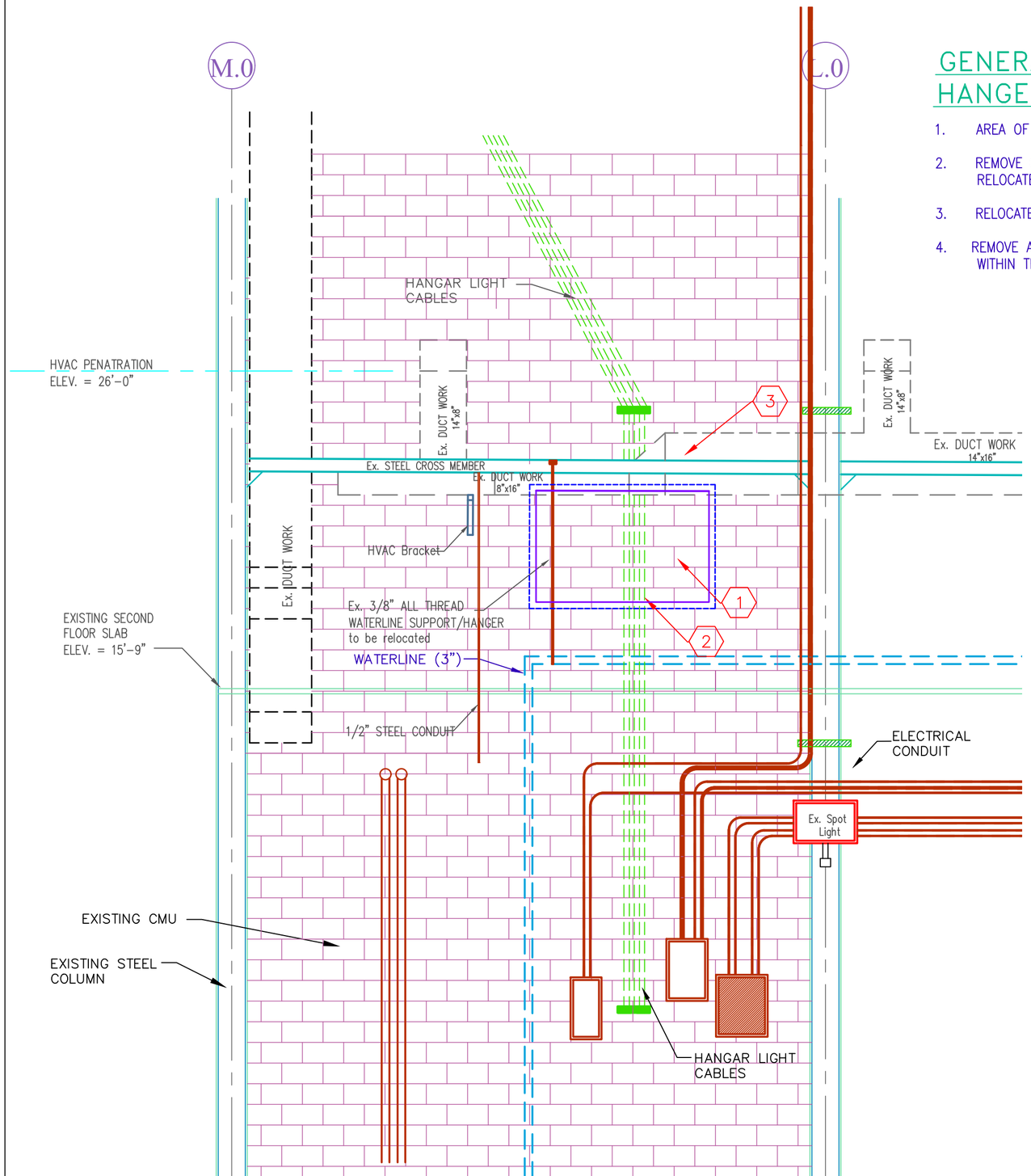
SCALE: 3/8" = 1'-0"

910th AIRLIFT WING YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	DEPARTMENT OF THE AIR FORCE AIRCRAFT HANGER BUILDING 305 ROOM 246-248-249 POWER LAYOUT PLAN	A6	8 OF 18	BUILDING NUMBER: 305 SCALE: 3/8" = 1'	REV DATE: 6/10/2020 DESIGN BY: D.J. CUTRER CONST. DATE: 1957 GROSS SQ. FT.: 290

CONTROLLED UNCLASSIFIED INFORMATION

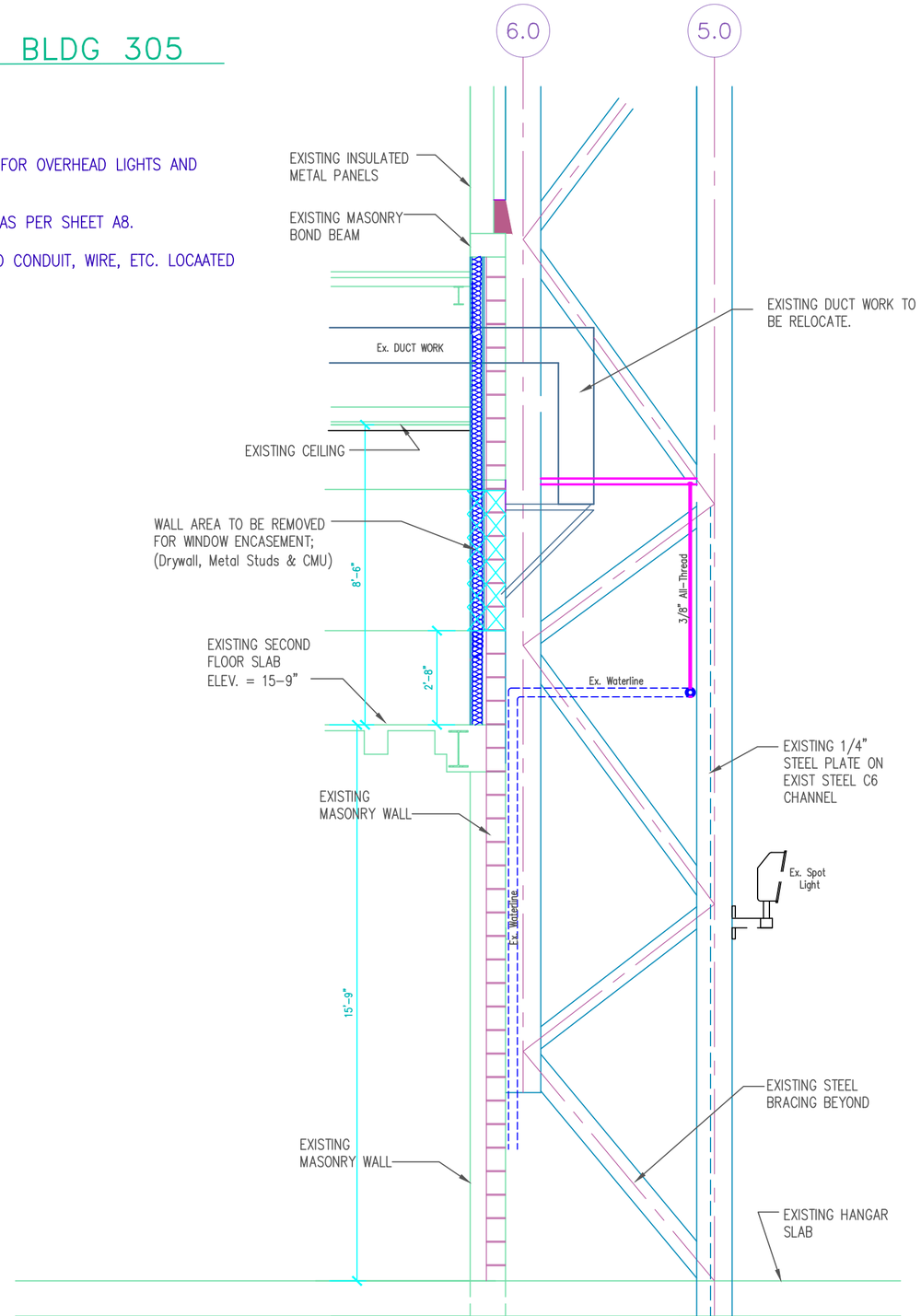
GENERAL NOTES: BLDG 305 HANGER AREA

1. AREA OF CMU REMOVAL
2. REMOVE CABLES AND BRACKETS FOR OVERHEAD LIGHTS AND RELOCATE AS SHOWN ON A8.
3. RELOCATE EXISTING DUCT WORK AS PER SHEET A8.
4. REMOVE ANY CONDUIT ABANDONED CONDUIT, WIRE, ETC. LOCAATED WITHIN THE AREA OF WORK.



114 HANGER BAY - SECTION A

SCALE: 5/16" = 1'-0"

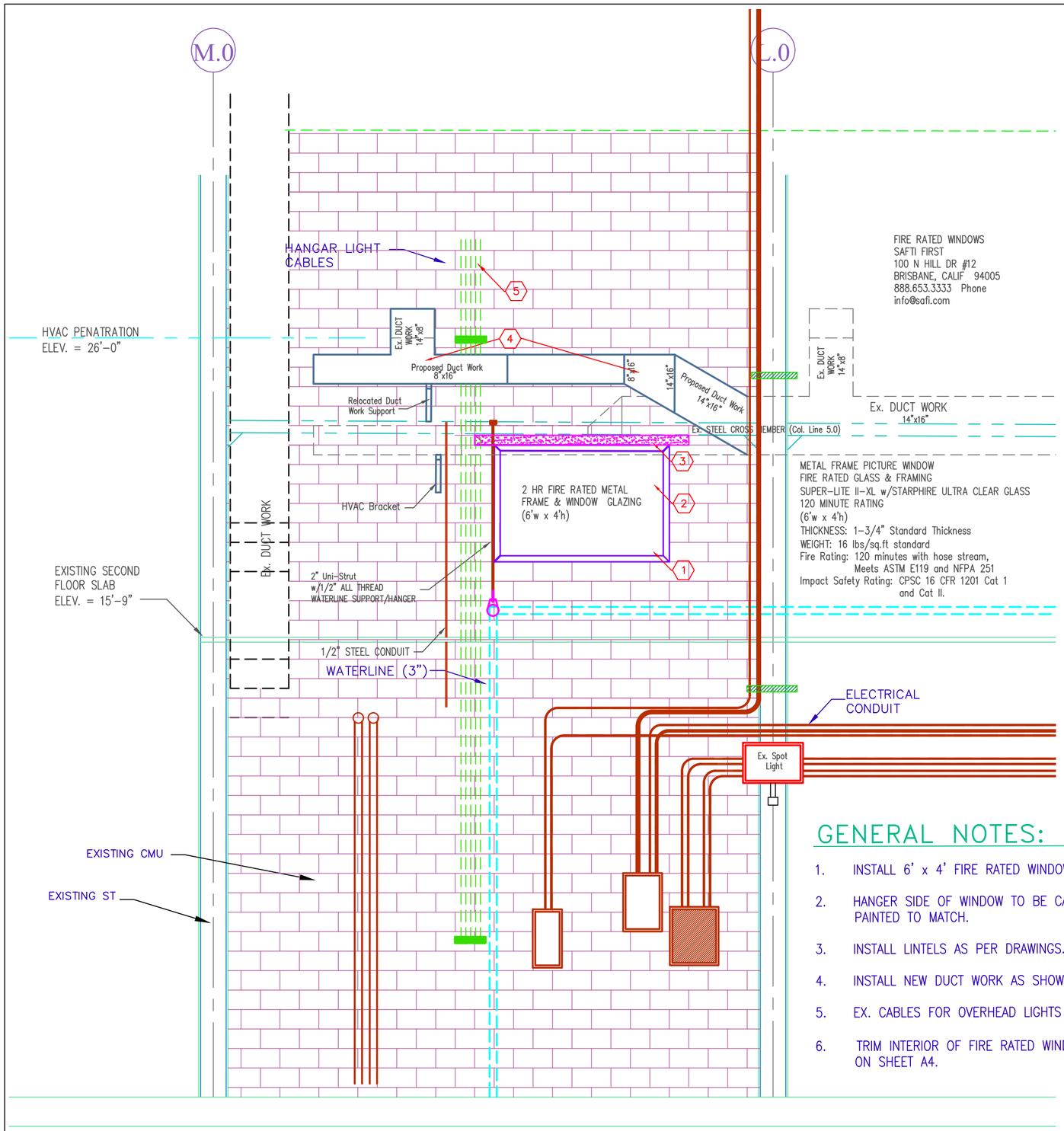


114 HANGER BAY - SECTION B

SCALE: 5/16" = 1'-0"

910th AIRLIFT WING YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	DEPARTMENT OF THE AIR FORCE AIRCRAFT HANGER BUILDING 305 EXISTING WALL SECTIONS	A7	9 OF 18	BUILDING NUMBER: 305 SCALE: 5/16" = 1'	REV DATE: 9/10/2020 DESIGN BY: D.J. CUTRER CONST. DATE: 1957 GROSS SQ. FT.: 290

CONTROLLED UNCLASSIFIED INFORMATION



FIRE RATED WINDOWS
SAFTI FIRST
100 N HILL DR #12
BRISBANE, CALIF 94005
888.653.3333 Phone
info@safi.com

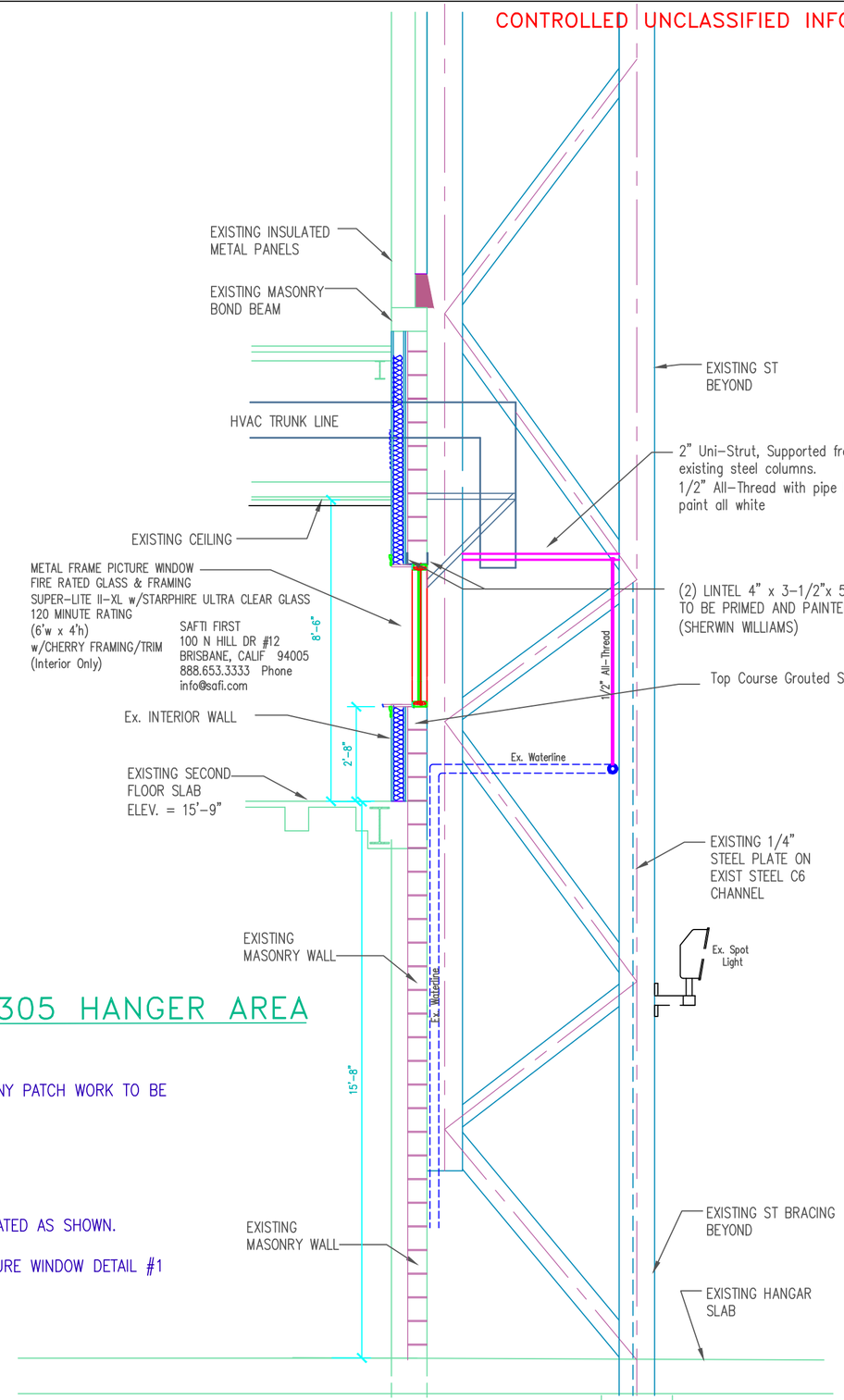
METAL FRAME PICTURE WINDOW
FIRE RATED GLASS & FRAMING
SUPER-LITE II-XL w/STARPHIRE ULTRA CLEAR GLASS
120 MINUTE RATING
(6'w x 4'h)
THICKNESS: 1-3/4" Standard Thickness
WEIGHT: 16 lbs/sq.ft standard
Fire Rating: 120 minutes with hose stream, Meets ASTM E119 and NFPA 251
Impact Safety Rating: CPSC 16 CFR 1201 Cat 1 and Cat II.

GENERAL NOTES: BLDG 305 HANGER AREA

1. INSTALL 6' x 4' FIRE RATED WINDOW
2. HANGER SIDE OF WINDOW TO BE CAULKED AND ANY PATCH WORK TO BE PAINTED TO MATCH.
3. INSTALL LINTELS AS PER DRAWINGS.
4. INSTALL NEW DUCT WORK AS SHOWN.
5. EX. CABLES FOR OVERHEAD LIGHTS TO BE RELOCATED AS SHOWN.
6. TRIM INTERIOR OF FIRE RATED WINDOW PER PICTURE WINDOW DETAIL #1 ON SHEET A4.

114 HANGER BAY - EAST

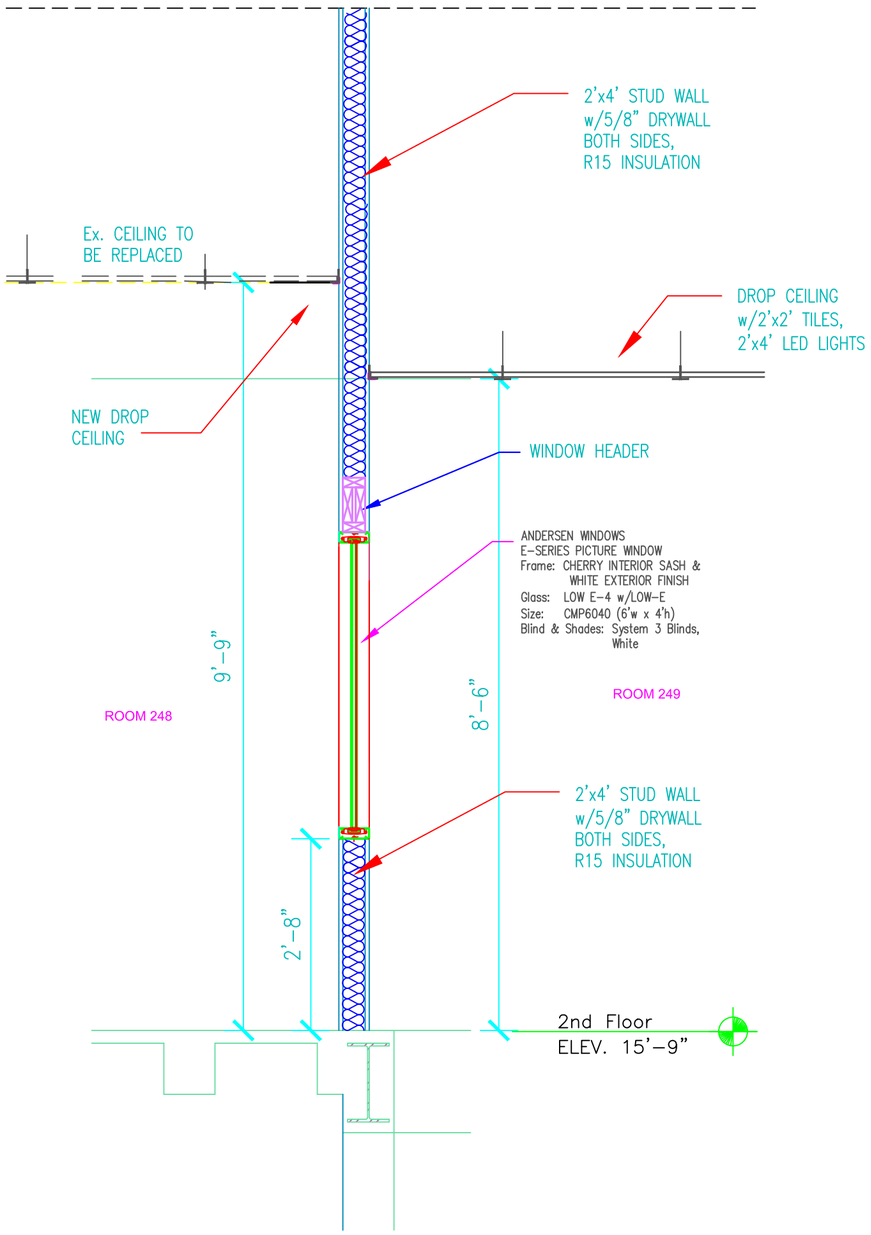
SCALE: 5/16" = 1'-0"



114 HANGER BAY - EAST

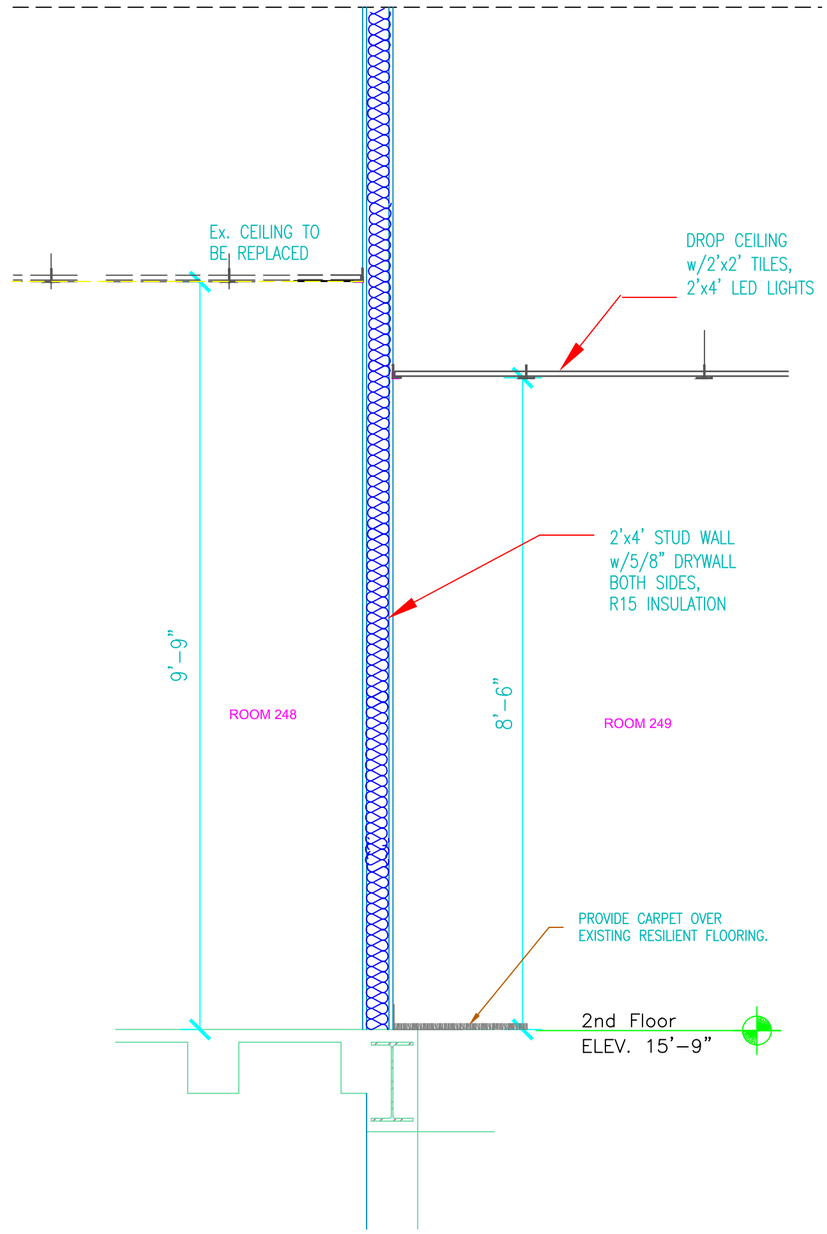
SCALE: 5/16" = 1'-0"

910th AIRLIFT WING YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	DEPARTMENT OF THE AIR FORCE AIRCRAFT HANGER BUILDING 305 PROPOSED WALL SECTIONS	A8	10 OF 18	BUILDING NUMBER: 305 SCALE: 1/4" = 1'	REV DATE: 9/10/2020 DESIGN BY: D.J. CUTRER CONST. DATE: 1957 GROSS SQ. FT.: 290



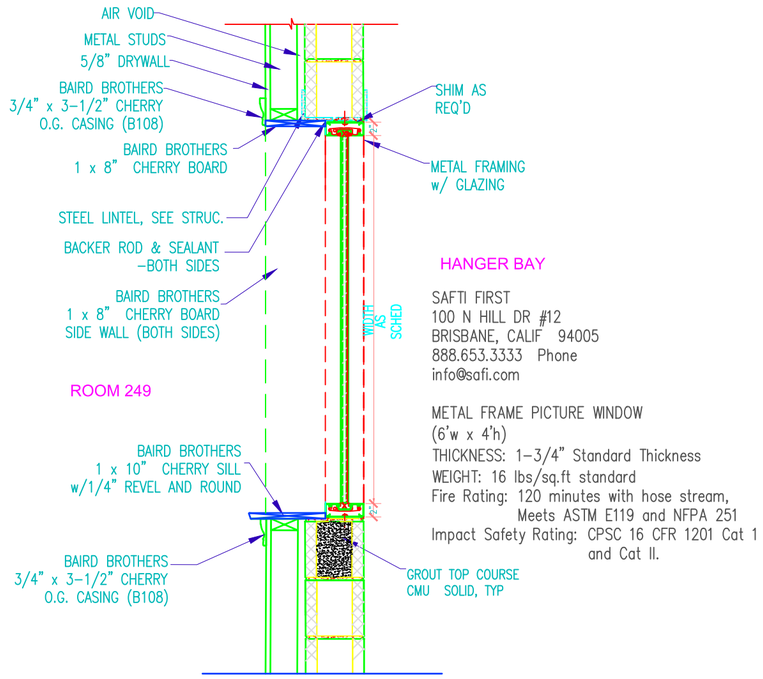
WALL SECTION 1/A9

SCALE: 5/8" = 1'-0"



WALL SECTION 2/A9

SCALE: 5/8" = 1'-0"



WALL SECTION 3/A9

SCALE: 3/4" = 1'-0"

910th AIRLIFT WING YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	DEPARTMENT OF THE AIR FORCE AIRCRAFT HANGER BUILDING 305 PROPOSED INTERIOR ALL SECTIONS	A9	11 OF 18	BUILDING NUMBER: 305 SCALE: As shown	REV DATE: 9/10/2020 DESIGN BY: D.J. CUTRER CONST. DATE: 1957 GROSS SQ. FT.: 290