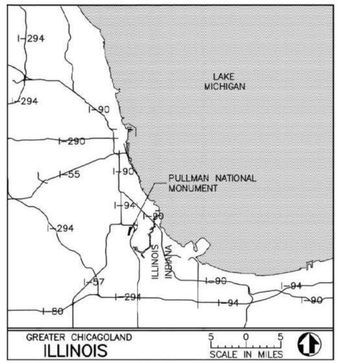
ADMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR REMODEL

PULLMAN NATIONAL HISTORICAL PARK
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628



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08/13/2025

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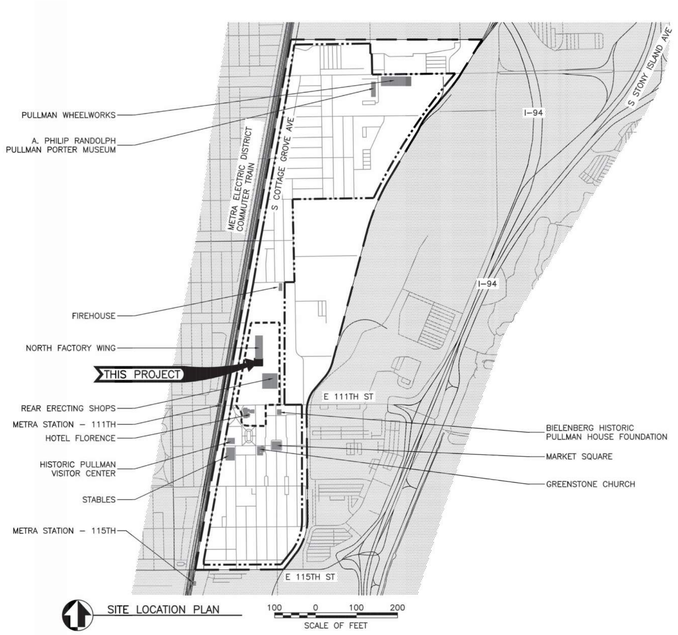

LICENSED ARCHITECT
SHANE L LARSEN
001-025030
8/13/25
STATE OF ILLINOIS
LICENSE EXP. 11/01/2026

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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DATE	INITIAL

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JMB DESIGNED
JMB DRAWN
SLL CHECKED
08/13/2025 DATE

TITLE OF SHEET
COVER SHEET
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **0**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **1** OF **66**

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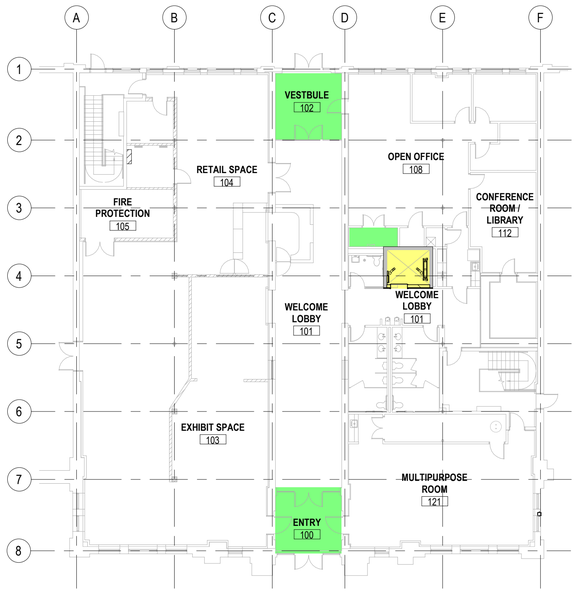
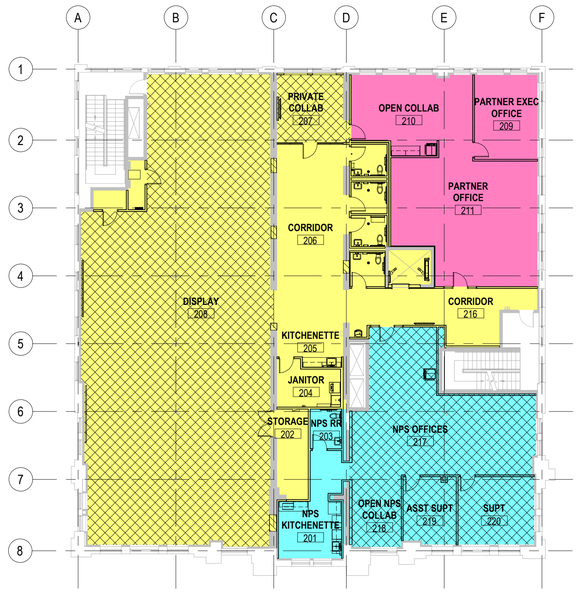


1 FIRST FLOOR PLAN - BASE BID/OPTIONS
SCALE: 1/16" = 1'-0"



2 SECOND FLOOR PLAN - BASE BID/OPTIONS
SCALE: 1/16" = 1'-0"

3 THIRD FLOOR PLAN - BASE BID/OPTIONS
SCALE: 1/16" = 1'-0"

SCOPE OF WORK LEGEND

EXISTING TO REMAIN INDICATED HERE; NOT IN SCOPE

EXISTING

ELEVATOR, PARTIAL 2ND FLOOR REMODEL, & 2ND FLOOR RESTROOMS

BASE BID

FIRST FLOOR ACCESS CONTROL AND SECURITY. SEE ELECTRICAL

OPTION #1

NPS OFFICE BUILD-OUT - 2ND FLOOR

OPTION #2

2ND FLOOR FINISHES
PROVIDE CARPET IN LIEU CONCRETE SEALER IN THE FOLLOWING ROOMS: 208, 207, 217, 218, 219, 220

OPTION #3

PARTNER OFFICE BUILD-OUT - 2ND FLOOR

OPTION #4

3RD FLOOR ARCHITECTURAL DEMOLITION

OPTION #5

3RD FLOOR BUILD-OUT

OPTION #6

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

NORTH

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ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **G001**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **2** OF **66**

LICENSED ARCHITECT
SHANE L LARSEN
001-025030
8/13/25
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REFERENCE LEGEND

WALL TYPE	X — LETTER INDICATES PARTITION OR WALL TYPE
TOILET ACCESSORY	TA-X — TOILET ACCESSORY NUMBER
EQUIPMENT NUMBER	XXXX — EQUIPMENT NUMBER
WINDOW DESIGNATION	000 — WINDOW DESIGNATION
DOOR NUMBER	101 — DOOR NUMBER
ROOM NUMBER	ROOM NAME — ROOM NAME DESIGNATION; 101 — ROOM NUMBER DESIGNATION; 150 SF — ROOM AREA DESIGNATION
REFERENCE DEMOLITION NOTE	DX — DEMOLITION DESIGNATION
REFERENCE NOTE	X — REFERENCE DESIGNATION
ROOM / FRAMING ELEVATION	1 — ELEVATION LETTER; DIRECTION OF VIEW; 1 XX-XX 1 — SHEET NUMBER; 1
EXTERIOR ELEVATION	DIRECTION OF VIEW; 1 — ELEVATION LETTER; 1 XX-XX 1 — SHEET NUMBER; 1
PLAN DETAIL	X — DETAIL NUMBER; XX-XX — SHEET NUMBER
SECTION/ DETAIL	SIM; X — SECTION/DETAIL NUMBER; XX-XX — SHEET NUMBER; INDICATES DIRECTION OF VIEW
NEW COLUMN	X — LETTER INDICATES NEW COLUMN LINE
EXISTING COLUMN	X — LETTER INDICATES EXISTING COLUMN LINE
MATCHLINE	AREA A / AREA B
LEVEL	NAME — LEVEL CALLOUT DESIGNATION; ELEVATION — ELEVATION DESIGNATION
TITLE MARKER	GRAPHIC AREA FOR DRAWING; 1 — DETAIL NUMBER; VIEW NAME — TITLE; SCALE: 1/8" = 1'-0" — SCALE OF THE DRAWING
NORTH ARROW	NORTH; PLAN NORTH; TRUE NORTH

ABBREVIATIONS

A	COMPRESSED AIR
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ABS	ACRYLONITRILE BUTAD STYRENE
AC	ALTERNATING CURRENT
ACI	AMERICAN CONCRETE INSTITUTE
ACSR	ALUMINUM CONDUCTOR STEEL REINFORCED
ACST	ACOUSTIC
AD	ACCESS DOOR
AD	AREA DRAIN
ADMIN	ADMIN ADMINISTRATION (IVE)
AFF	ABOVE FINISH FLOOR
AFFF	AQUEOUS FILM FORMING FOAM
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
AI	AREA INLET
AIC	AMPS INTERRUPTING CAPACITY (SYM RMS)
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ACTIVE LEAF
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS PANEL
APC	ACOUSTICAL PANEL CEILING
APD	AIR PRESSURE DROP
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL OR ARCHITECT
ARI	AMERICAN REFRIGERATION INSTITUTE
ASB	ASBESTOS
ASPH	ASPHALT
AUTO	AUTOMATIC
AV	ACID VENT
AVG	AVERAGE
AW	ACID WASTE
AWC	ACOUSTICAL WALL COVERING
AWG	AMERICAN WIRE GAUGE
L	ANGLE
BATT	BATT INSULATION
BB	BULLETIN BOARD
BBO	BOILER BLOW OFF
BC	BOOKCASE
BD	BOARD
BDY	BOUNDARY
BEJ	BRICK EXPANSION JOINT
BIT	BITUMINOUS
BKR	BREAKER
BL	BUILDING LINE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BM	BENCH MARK
BO	BOTTOM OF
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BS	BOTH SIDES
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
BUR	BUILT-UP ROOFING
BW	BOTH WAYS
C	CENTER
C OR CND	CONDUIT (ELECTRICAL SHEETS)
C TO C	CENTER TO CENTER
CAP	CAPACITY
CB	CATCH BASIN (OR CIRCUIT BREAKER)
CC	CENTER TO CENTER
CCT	CIRCUIT
CD	CONDENSATE DRAIN
CE	COVER ELEVATION
CEM	CEMENT
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHIM	CHIMNEY
CI	CAST IRON
CI	CURB INLET
CIP	CAST IN PLACE
CIR	CIRCULAR
CJ	CONTROL JOINT
CKT	CIRCUIT
CL	CENTER LINE
CL WG	CLEAR WIRE GLASS
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
CO2	CARBON DIOXIDE
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMB	COMBUSTION
COMP	COMPRESSIBLE
COMPR	COMPRESSOR
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONSTR JT	CONSTRUCTION JOINT
CONT	CONTINUOUS (CONTINUATION)
CONTR	CONTRACTOR
COR	CORNER
CORR	COVERED
COV	CORRIDOR
CPL	CEMENT PLASTER
CPS	CYCLES PER SECOND (HERTZ)
CPT	CARPET
CR	CONDENSER WATER RETURN
CRES	CORROSIVE RESISTANT STEEL
CRG	CARRIAGE
CRSE	COURSE
CS	CONDENSER WATER SUPPLY
CS	COUNTER SINK
CSMT	CASEMENT
CT	CERAMIC TILE
CT	CURRENT TRANSFORMER
CTL	CARPET TILE
CU	CONDENSING UNIT
CU YD	CUBIC YARDS
CUH	CABINET UNIT HEATER
CV	CEILING VENT
CW	COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
CYL	CYLINDER
D	DEPTH (DEEP)
D	DIFFUSER
d	PENNY (as in nail - 10d)
D&M	DRESSED AND MATCHED
DA	DOUBLE ACTING
DB	DRY BULB
dB	DECIBEL
DBL	DOUBLE
DC	DIRECT CURRENT
DCJ	DOWELED CONTROL JOINT
DCJT	DUMMY CONTROL JOINT
DCL	DOOR CLOSER
DCW	DOMESTIC COLD WATER
DEG	DEGREE
DEMO	DEMOLITION
DEPR	DEPRESSION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DHW	DOMESTIC HOT WATER
DI	DEIONIZED WATER
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISC	DISCONNECT
DIST	DISTRIBUTION
DL	DEAD LOAD
DMPR	DAMPER
DN	DOWN
DP	DAMP PROOFING
DPT	DEW POINT
DR	DOOR
DRN	DRAIN
DS	DOWN SPOUT
DV	DENTAL VACUUM
DWG	DRAWING
DWLS	DOWELS
DX	DIRECT EXPANSION
E	EAST
EA	EACH
EA	EXHAUST AIR
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EJ	EXPANSION JOINT
EL OR ELEV	ELEVATION - GRADE OR BUILDING
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
ENCL	ENCLOSURE
ENT	ENTERING
ENT	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EST	ESTIMATE
EVAP	EVAPORATOR
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXC	EXCAVATE
EXD	EXIT DEVICE
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPL	EXPLOSION
EXPN	EXPANSION
EXT	EXTERIOR
F	FAHRENHEIT
F	FIRE
FA	FRESH AIR
FCG	FACING
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIG	FIGURE
FIN	FINISH
FIX	FIXTURE
FL or FLR	FLOOR
FLASH	FLASHING
FLEX	FLEXIBLE
FLG	FLANGE
FLG	FLOORING
FLUOR	FLUORESCENT
FP	FIRE PROTECTION
FPM	FEET PER MINUTE
FPRF	FIRE PROOF
FR	FRAME
FR	FIRE RATED
FRG	FURRING
FS	FAR SIDE
FS	FLOOR SINK
FS	FULL SIZE
FT	FEET (FOOT)
FTG	FOOTING
FV	FIELD VERIFY
FWC	FABRIC WALL COVERING
G	GRILLE
G	NATURAL GAS
GA	GAGE OR GAUGE
GAL	GALLON
GALV	GALVANIZED
GEN	GENERAL
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFE/CI	GOVERNMENT FURNISHED EQUIPMENT/CONTRACTOR INSTALLED
GFI	GROUND FAULT INTERRUPTER
GI	GALVANIZED IRON
GL	GLASS
GND	GROUND
GOVT	GOVERNMENT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRADE
GRS	GALVANIZED RIGID STEEL CONDUIT
GRTG	GRATING
GSU	GLAZED STRUCTURAL UNITS
GWB	GYPSUM WALLBOARD
GWT	GLAZED WALL TILE
GYP	GYPSUM
H or HT	HEIGHT (HIGH)
HB	HOSE BIBB
HBD	HARDBOARD
HC	HANDICAPPED
HD	HEAD
HDPE	HIGH DENSITY POLYETHYLENE
HDR	HEADER
HDW	HARDWARE
HIP	HIGH PRESSURE
HM	HOLLOW METAL
HORIZ	HORIZONTAL(LY)
HP	HORSE POWER
HPS	HIGH PRESURE STEAM
HPT	HIGH POINT
HR	HOUR
HS	HIGH STRENGTH
HSGYP	HIGH STRENGTH GYPSUM PLASTER
HTG	HEATING
HTR	HEATER
HW	HEAD WALL
HW	HOT WATER
HWH	HOT WATER HEATER
HWR	HOT WATER RETURN (HEATING)
HWS	HOT WATER SUPPLY (HEATING)
HYD	HYDRAULIC
I or FE	IRON
IC	INTERCOM
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IES	ILLUMINATING ENGINEERING SOCIETY
IN	INCH
INSUL	INSULATION
INT	INTERIOR
INV	INVERT OR INVERTER
IP	IRON PIPE
ISF	INSIDE FACE
JB	JUNCTION BOX
JBOX	JUNCTION BOX
JC	JANITOR CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT
K	KEY
KCP	KEENE'S CEMENT PLASTER
KIP or K	KILOPOUND (1000 LBS)
KIT	KITCHEN
KL	KEY LOCK
KP	KICK PLATE
KV	KILOVOLTS
KVA	KILOVOLT AMPERES
KW	KILOWATT
LAB	LABORATORY
LAU	LAUNDRY
LAV	LAVATORY
LBR	LUMBER
LBS	POUNDS
LD	LOAD
LDG	LOADING
LE	LEFT END
LG	LENGTH (LONG)
LIN	LINEAR
LIS	LAWN IRRIGATION SYSTEM
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNTL	LINTEL
LP	LOW POINT
LPG	LIQUIFIED PETROLEUM GAS
LPS	LOW PRESSURE STEAM
LR	LIVING ROOM
LS	LAWN SPRINKLER
LT	LIGHT
LT WT	LIGHT WEIGHT
LTG	LIGHTING
LVT	LUXURY VINYL TILE
M	MIDDLE
M	THOUSAND
M & B	MATCHED AND BEADED
MA	MAKE-UP AIR
MACH	MACHINE
MAS	MASONRY
MAT or MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBH	1000 BTUH
MC	MEDICINE CABINET
MC	MISCELLANEOUS CHANNELS
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MET	METAL
MFG	MANUFACTURING
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	METAL LATH
MLDG	MOULDING
MO	MASONRY OPENING
MONO	MONOLITHIC
MT	METAL THRESHOLD
MTD	MOUNTED
N	NORTH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO	NUMBER
NR	NOT REQUIRED
NS	NEAR SIDE
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OB WG	OBSCURE WIRE GLASS
OBGL	OBSCURE GLASS
OBSC	OBSCURE
OC	ON CENTER(S)
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPS	OPERATIONS
OS & Y	OUTSIDE SCREW & YOKE
OSF	OUTSIDE FACE
OV	OVERFLOW VALVE
OX	OXYGEN
OZ	OUNCE
P	PAINT
PA	PUBLIC ADDRESS
PBS	PUSH BUTTON STATION
PC	PIECE
PC	POINT OF CURVATURE
PC	PRECAST
PCC	PORTLAND CEMENT CONCRETE
PCT	PORCELAIN CERAMIC TILE
PD	PRESSURE DROP
PE	POLYETHYLENE
PEN	PENETRATION
PERF	PERFORATED
PH	PHASE
PHAR	PHARMACY
PI	POINT OF INTERSECTION
PIV	POST INDICATING VALVE
PL or P	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLATF	PLATFORM
PLBG	PLUMBING
PLG	PILING
PLWD	PLYWOOD
PNL	PANEL
POL	POLISH(ED)
PORC	PORCELAIN
PPM	PARTS PER MILLION
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRESS	PRESSURE
PROJ	PROJECT
PRV	PRESSURE REGULATING VALVE
PS	PRESSED STEEL
PSFT	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PT	POINT OF TANGENCY
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL-CHLORIDE
PVMT	PAVEMENT
PW	PASS WINDOW
1/4 RD	QUARTER ROUND
QT	QUARRY TILE
QT	QUART
QTRS	QUARTERS
QTY	QUANTITY
QTZ	QUARTZ
R	REGISTER
R	RISER
RA	RETURN AIR
RAD OR R	RADIUS
RB	RESILIENT BASE
RC	REMOTE CONTROL
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	RIGHT END
REC	RECEIVER
RECP	RECEPTACLE
RECR	RECREATION
RECT	RECTIFIER
REF	REFERENCE
REFR	REFRIGERANT
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCEMENT
REM	REMOVE(ABLE)
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISIONS
RFG	ROOFING
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RPM	REVOLUTIONS PER MINUTE
RT	RUBBER TILE
RTU	ROOF TOP UNIT
RUB	RUBBER
S	SOUTH
SA	SUPPLY AIR
SAN	SANITARY
SB	SECURITY BARS
SB	SPLASH BLOCK
SCH	SCHEDULE
SCHED	SCHEDULE
SCR	SCREW
SCT	STRUCTURAL CLAY TILE
SCUT	SCUTTLE
SCW	SOFT COLD WATER
SD	STORM DRAIN
SD	SUBDRAIN
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SECY	SECRETARY
SEQ	SEQUENCE
SF	SQUARE FOOT (FEET)
SFU	STRUCTURAL FACING UNIT
SHLD	SHOULDER
SHT	SHEET
SHTG	SHEATHING
SHW	SOFT HOT WATER
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SL	SNOW LOAD
SLBB	SHORT LEG BACK TO BACK
SM	SPRINKLER MAIN
SOV	SHUT OFF VALVE
SPA	SPACE(ING)
SPEC	SPECIFICATIONS
SPF	SOUNDPROOF
SPH	SPACE HEATER
SPKR	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SS	SANITARY SEWER
SS	STAINLESS STEEL
SSMR	STANDING SEAM METAL ROOFING
STA	STATION
STAIR	STAIRWAY
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STGR	STRINGER
STIFF	STIFFENER
STIRR	STIRRUPS
STL	STEEL
STN	STONE
STOR	STORAGE
STR	STRUCTURAL
SUB FL	SUB FLOOR
SUCT	SUCTION
SUSP	SUSPENDED
SVF	SHEET VINYL FLOORING
SW	SWITCH
SWBD	SWITCH BOARD
SYM	SYMMETRICAL
T	TREAD
T or TLT	TOILET
TAN	TANGENT
TBD	TACK BOARD
TE	TOP ELEVATION
TEL	TELEPHONE
TEMP	TEMPERATURE
TER	TERRAZZO
TERM	TERMINAL
TGL	TOGGLE
TH	THRESHOLD
THK	THICK
THRD	THREAD
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOPO	TOPOGRAPHIC
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TSTAT	THERMOSTAT
TV	TELEVISION
TW	TEMPERED WATER
TWR	TEMPERED WATER RETURN
TYP	TYPICAL
U/C	UNDER CABINET
UC	UNIT COOLER
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SYSTEM
UR	URINAL
UT	UTILITY
UV	UNIT VENTILATOR
V	VOLT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VD	VAULT DOOR
VEL	VELOCITY
VENT	VENTILATOR(ION)
VERT	VERTICAL
VEST	VESTIBULE
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
VS	VENT STACK
VT	VINYL-TILE
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	WEST
W	WIDE (WIDTH)
W	WIRE
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER CLOSET
WC	WATER COLUMN
WD	WASTE DRAIN
WD	WOOD
WD BLKG	WOOD BLOCKING
WD DR	WOOD DOOR
WDW	WINDOW
WF	WIDE FLANGE
WG	WIRE GLASS
WH	WALL HYDRANT
WHT	WHITE
WI	WROUGHT IRON
WKSH	WORK SHOP
WL	WIND LOAD
WNSCT	WAINSCOT
WP	WEATHER PROOF
WP	WORK POINT
WPF	WATER PROOF
WPFG	WATER PROOFING
WRB	WARDROBE
WS	WASTE STACK
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WOVEN WIRE MESH
XFMR	TRANSFORMER
YD	YARD or YARD DRAIN

SYMBOL LEGEND

PLAN VIEW

- SHEAR WALL
- MASONRY-CMU

SECTION / ELEVATION VIEW

- CONCRETE
- GRAVEL
- EARTH / COMPACTED
- EARTH / NONCOMPACTED
- RIGID INSULATION
- JOINT FILLER
- STEEL
- GYPSUM
- MASONRY-VENEER
- STUD WALL
- FLEXIBLE INSULATION
- GROUT
- PLYWOOD
- WOOD (FINISH)
- MASONRY-CMU FACE
- MASONRY-CMU
- MASONRY-VENEER

GENERAL DEMO NOTES

A. THE DEMOLITION PLANS WERE PRODUCED BY DUPLICATING THE ORIGINAL DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. DIMENSIONS AND EXISTING CONDITIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ITEMS WHICH ARE INTENDED TO BE REMOVED, RELOCATED, OR SALVAGED ARE SHOWN AS FULL-TONE DASHED LINES AND ARE LISTED IN THE REFERENCED DEMOLITION NOTES. ALL OTHER ITEMS ARE INTENDED TO REMAIN IN PLACE AND ARE SHOWN HALF-TONE.

B. DEMOLITION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE ITEMS BELOW OR HERE-IN. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED RENOVATION AND NEW CONSTRUCTION WITH THE EXISTING BUILDING TO IDENTIFY THE TOTAL EXTENT OF THE DEMOLITION REQUIRED AND AS LISTED BELOW.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL EXISTING BUILDING COMPONENTS, MATERIALS, EQUIPMENT, AND APPURTENANCES AS REQUIRED TO BUILD, ERECT, INSTALL, OR ACCOMMODATE ALL NEW CONSTRUCTION WITH THE OWNER HAVING FIRST RIGHT OF REFUSAL ON ALL ITEMS.

D. ITEMS NOTED TO BE REMOVED AND SALVAGED OR REINSTALLED SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR WITHOUT DAMAGE AND STORED OR REINSTALLED ON THE SITE AS DIRECTED. REMOVED AND SALVAGED ITEMS SHALL REMAIN THE PROPERTY OF THE OWNER.

E. IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE, MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, LEAD-BASED PAINT, OR ANY OTHER HAZARDOUS MATERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT THEREAFTER BE RESUMED EXCEPT BY WRITTEN AGREEMENT OF THE OWNER AND CONTRACTOR.

F. THE CONTRACTOR IS RESPONSIBLE FOR THE ERECTION, MAINTENANCE, AND REMOVAL OF ALL CONSTRUCTION BARRIERS.

GENERAL NOTES

A. EXISTING CONDITIONS ARE BASED ON DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THOSE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

B. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.

C. CONTRACTOR SHALL TAKE ALL MEASUREMENTS FOR WORK AND BE RESPONSIBLE FOR SAME. CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO OWNER. COORDINATE THE WORK AND SHOP DRAWINGS WITH ALL OTHER TRADES AFFECTED.

D. SCREENED HALF-TONE LINES INDICATE EXISTING CONSTRUCTION TO REMAIN. FULL-TONE LINES INDICATE NEW OR RELOCATED CONSTRUCTION.

E. DIMENSIONS ARE TYPICALLY TO FINISH FACE OF MASONRY, CONCRETE, GYPSUM WALL BOARD, AND METAL FRAMES; OR CENTER LINE OF COLUMN OR BEAMS, UNLESS NOTED OTHERWISE.

F. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO INSTALL EXPANSION JOINTS AND CONTROL JOINTS AS SHOWN.

REF. DEMO NOTES (DX)

PROJECT ARCHITECTURAL REFERENCED DEMOLITION NOTES

D1	REMOVE DOOR AND FRAME
D2	REMOVE EXISTING WALL/CMU INFILL. COORDINATE ROUGH OPENING WITH ELEVATOR REQUIREMENTS. SEE STRUCTURE FOR HEADER DETAILS. SEE STRUCTURE FOR HEADER DETAILS
D3	BRICK TO BE CAREFULLY DEMOLISHED, GATHERED, CLEANED AND STORE FOR RE-USE. SALVAGE ENOUGH FOR RE-USE IN THIS PROJECT. SEE STRUCTURE FOR HEADER DETAILS. REMOVE MASONRY 3" BELOW TOP OF CONCRETE FLOOR LEVEL.
D4	REMOVE STEEL THRESHOLD & MISC WOOD OR MASONRY. SUPPORT LINTEL/PLATE TO REMAIN
D5	REMOVE MISC WOOD INFILL OR BLOCKING. SUPPORT LINTEL/PLATE TO REMAIN
D6	REMOVE MEZZANINE BEAMS AND FLOOR ASSEMBLY. FILL BEAM POCKETS WITH MORTAR
D7	REMOVE SPIRAL STAIR ASSEMBLY TO MEZZANINE
D8	REMOVE CABLE AND PLATES. INFILL OPENINGS WITH MORTAR. SEE IMAGES ON SHEET A503
D9	REMOVE MISC WOOD INFILL OR BLOCKING. SUPPORT LINTEL/PLATE TO REMAIN. REMOVE MASONRY 3" BELOW TOP OF CONCRETE FLOOR LEVEL
D10	REMOVE NON STRUCTURAL METAL FRAMING AND GWB ELEVATOR CEILING
D11	DEMO CONCRETE SLAB TO ACCESS SANITARY LINES. SEE PLUMBING TO COORDINATE. INFILL WITH NEW CONCRETE AFTER PLUMBING CONNECTION
D12	RELOCATE SUMP PUMP. SEE PLUMBING. FILL IN EXISTING SUMP PIT WITH CONCRETE
D13	FILL EXISTING SUMP PIT WITH CONCRETE. SEE PLUMBING FOR SUMP PUMP RELOCATION
D14	DEMO CONCRETE FLOOR SLAB FOR MECHANICAL CHASE. SEE STRUCTURAL
D15	RELOCATE AUTOMATED EXTERNAL DEFIBRILLATOR CABINET
D16	RELOCATE FIRE EXTINGUISHER CABINET
D17	ELEVATOR WORK AREA. PROVIDE TEMPORARY WALL AND ACCESS DOOR
D18	RELOCATE ELECTRICAL DEVICES FOR REVISED DOOR LOCATION
D19	REMOVE CMU. SEE STRUCTURE FOR HEADER DETAILS. REMOVE CMU 3" BELOW TOP OF CONCRETE FLOOR LEVEL.
D20	PARTIAL MEZZANINE REMOVAL. COORDINATE WITH SHAFT LOCATION
D21	PARTIAL DEMO OF GWB CEILINGS. SEE PLUMBING TO COORDINATE

REF. NOTES (X)

PROJECT ARCHITECTURAL REFERENCED NOTES

1	CONCRETE INFILL @ THRESHOLD. LEVEL CONCRETE TO ADJACENT FLOOR LEVELS. FLOAT CONCRETE OUT IF NEEDED WITH SLOPE NO GREATER THAN 2%. SEE DETAIL 3/A302
3	FURRED WALL. TERMINATE AT WINDOW SILL. APPROX. 5'-6" ABOVE FINISH FLOOR
6	PROVIDE SPRAY FOAM ABOVE WINDOW HEADS. COAT SPRAY FOAM WITH INTUMESCENT PAINT. SPRAY FOAM TRIMMED FLUSH WITH INSIDE FACE OF EXTERIOR WALL PRIOR TO INTUMESCENT PAINT. SEE IMAGES ON SHEET A503
7	PROVIDE FURRED OUT AND INSULATED WALL (SIM TO F2) FROM BOTTOM OF WINDOW SILL TO UNDERSIDE OF ROOF DECK. APPROX. HEIGHT OF 10'-0". SEE IMAGES ON SHEET A503
8	WALL TYPE A1 ABOVE GLASS PARTITION
11	ALL DUCTWORK TO BE PAINTED. PAINT UNDERSIDE OF FIREPROOFING @ 3RD FLOOR DECK (2ND FLOOR CEILING), BEAMS, AND COLUMNS. IN ROOMS WITH ACT CEILINGS PAINT EXTENDS IN MIN. 4' FROM EDGE OF SUSPENDED CEILING (APPROX. 8' IN FROM EXTERIOR WALL)
12	HOISTWAY BEAMS: LIFE-LINE BEAM (5000 LB NET LIVE LOAD & STANDARD HOISTWAY BEAM (7500 LBS NET LIVE LOAD). SEE STRUCTURAL
13	STEEL PIT LADDER
14	RELOCATED SUMP PIT LOCATION. COORDINATE WITH ELEVATOR CONFIGURATION . SEE PLUMBING
15	LOCKABLE CABINETS AND DRAWERS
16	REPAIR CONCRETE SLAB AND FLOOR FINISHES
17	PROVIDE WINDOW SHADES AT EXTERIOR WINDOWS. SEE SCHEDULE ON SHEET A301
18	BOND BEAM. SEE STRUCTURAL
19	PREFIN. ELEVATOR DOOR AND FRAME
20	EDGE TRIM @ SUSPENDED CEILING
21	FURNITURE PROVIDED BY OTHERS
22	PROVIDE SIGNAGE #7
23	RELOCATED AUTOMATED EXTERNAL DEFIBRILLATOR
24	RELOCATED FIRE EXTINGUISHER CABINET
26	PROTECT EXISTING WOOD CEILING FINISH IN CENTRAL CORRIDOR. NO PENETRATIONS ALLOWED
27	CONCRETE OVER NON-COMPOSITE DECK. 2HR RATED PER UL DESIGN NO. D988
28	ALL DUCTWORK TO BE PAINTED. PAINT UNDERSIDE OF FIREPROOFING @ ROOF DECK (3RD FLOOR CEILING), BEAMS, AND COLUMNS
29	EXTEND WALL TYPE A4 FROM TOP OF ELEVATOR SHAFT TO UNDERSIDE OF ROOF ASSEMBLY
31	RATED WALL TO EXTEND TO DECKING ABOVE. GWB TO BE CONTINUOUS TO DECKING, BOTH SIDES. COORDINATE WITH EXISTING BEAM LOCATION
33	MASONRY INFILL IN EXISTING OPENING ABOVE NEW DOOR. SEE STRUCTURAL. SEE IMAGES ON SHEET A503
34	MASONRY INFILL IN EXISTING OPENING
35	PROVIDE ELECTRICAL, GRAB BAR BLOCKING, BACKING BOARD, AND GWB IN BASE BID
36	PROVIDE UTILITY SINK RAISED BASE AND WATER HEATER SUPPORT FRAME. SEE DETAIL 4/A503
37	PAINT STAIR STRINGERS, GUARDRAILS, HANDRAILS, AND UNDERSIDE OF TREADS AND LANDINGS (PT-6)
38	CONCRETE SEALER @ EXISTING CONCRETE TREADS AND LANDINGS

LICENSED ARCHITECT
SHANE L. LARSEN
001-025030
8/13/25
STATE OF ILLINOIS

LICENSE EXP. 11/01/2026

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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REVISED		PREPARED
DATE	INITIAL	JMB — DESIGNED
		JMB — DRAWN
		SLL — CHECKED
		08/13/2025 — DATE

TITLE OF SHEET

ARCHITECTURAL INFO SHEET

PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION

11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009

SUB SHEET NO. **G100**

DRAWING NO. 590 / 80000

PMIS / PKG. NO. **307087**

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GENERAL NOTES

1. PROPERTY OUTSIDE OF THE ADMINISTRATIVE CLOCK TOWER BUILDING IS OWNED BY THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES (IDNR) AND ANY DEVIATION FROM THE ESTABLISHED STAGING AREAS/ACCESS/ETC NEEDS TO BE APPROVED BY THEM & COORDINATED THROUGH THE COR.

2. PROPERTY ACCESS: GENERAL ACCESS TO AND EGRESS FROM THE PROJECT SITE WILL BE COORDINATED THROUGHOUT THE CONSTRUCTION DURATION. ALL GATES WILL REMAIN CLOSED AND LOCKED WHEN NOT BEING USED FOR ACCESS.

3. VEHICULAR ACCESS WITHIN THE SITE: PARKING OF PERSONAL VEHICLES IS NOT ALLOWED ONSITE. CONSTRUCTION VEHICLE PARKING AND STAGING SHOULD BE LIMITED TO THE IDENTIFIED STAGING AREAS.. TO THE EXTENT POSSIBLE, CONSTRUCTION VEHICLES SHOULD USE EXISTING OR ESTABLISHED ACCESS ROADS AND AVOID TRAVERSING OTHER PORTIONS OF THE SITE WHICH MAY IMPACT ARCHEOLOGICAL RESOURCES.

4. STAGING AREAS: EACH GENERAL CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING THEIR OWN STAGING AREA AT THE LOCATION INDICATED ON THE SITE UTILIZATION PLAN. THE EXACT CONFIGURATION AND LOCATION OF THESE AREA NEEDS TO BE ESTABLISHED ON SITE BY IDNR AND NPS. STAGING AREAS SHOULD INCLUDE A TEMPORARY FENCE WITH ACCESS GATES AS APPROPRIATE. THIS AREA MAY BE USED FOR TEMPORARY TRAILERS, MATERIAL STORAGE, LAY-DOWN WORK AREA, DUMPSTERS, AND SANITARY FACILITIES. EACH GENERAL CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF EXISTING CONCRETE AND EMBEDDED RAILS WITHIN THE STAGING AREA.

5. EMERGENCY ACCESS: IDNR AND NPS WILL HAVE EMERGENCY ACCESS TO ALL AREAS OF THE SITE AND STRUCTURES AT ALL TIMES.

6. NON—EMERGENCY ACCESS: IDNR, NPS, AND OTHERS WITH PROPER AUTHORIZATION MAY HAVE ACCESS TO THE CONSTRUCTION AND STAGING AREAS. ALL MUST HAVE PERSONAL PROTECTIVE EQUIPMENT AND CONTRACTOR—PRESCRIBED SAFETY TRAINING TO BE ALLOWED IN THE CONSTRUCTION AREAS, OR BE ACCOMPANIED BY AUTHORIZED PERSONNEL WITH PROPER SAFETY TRAINING.

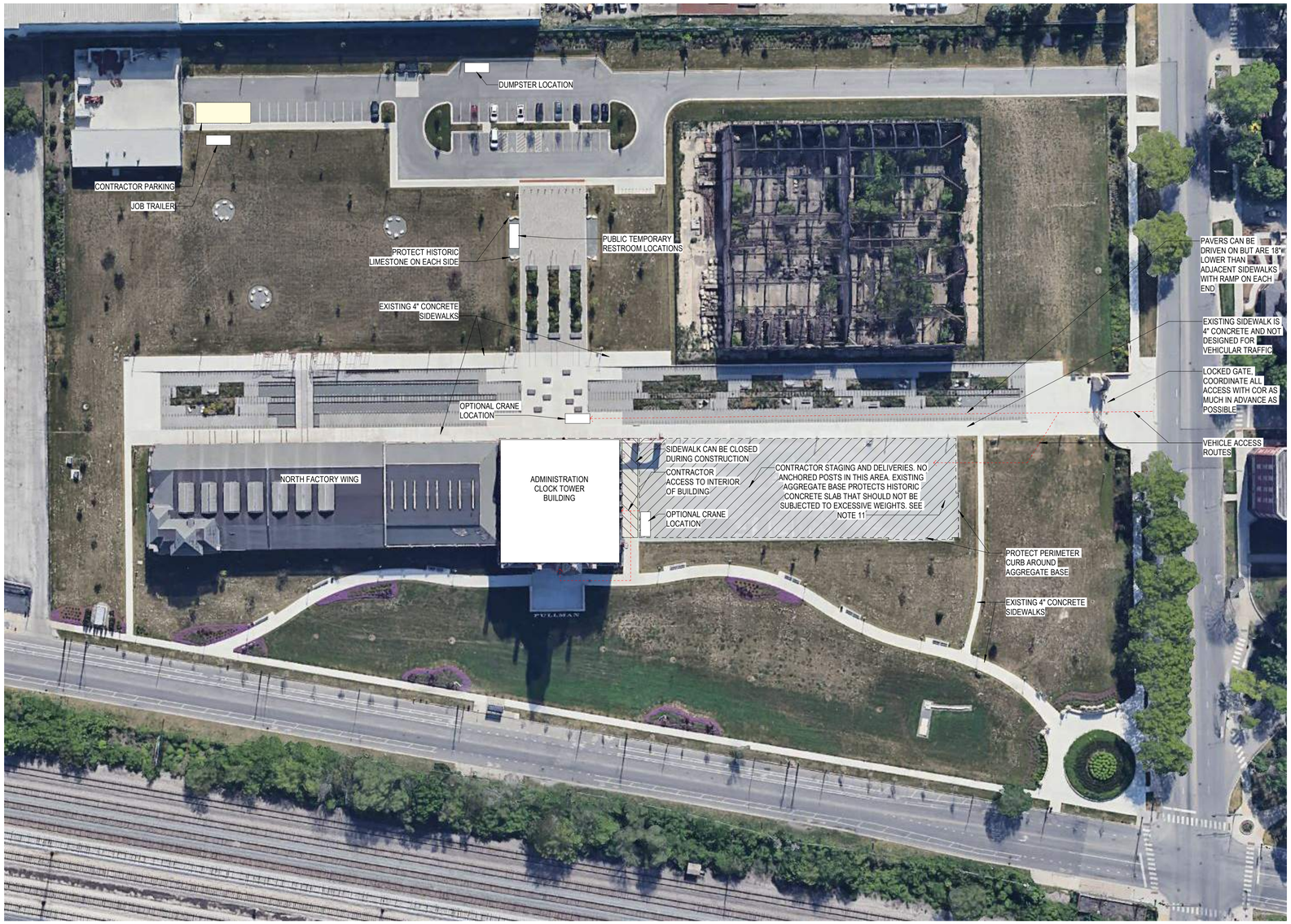
7. REAR ERECTING SHOPS: ACCESS WITHIN THE REAR ERECTING SHOPS STRUCTURE IS NOT PERMITTED

8. NORTH FACTORY WING: ACCESS WITHIN THE NORTH FACTORY WING IS NOT PERMITTED.

9. WORK HOURS AND ACCESS TO BUILDING: CONTRACTOR CAN ACCESS BUILDING FROM 6:30AM TO 6:30PM. WORK SCHEDULE MUST BE COORDINATED WITH COR. CONSTRUCTION ACTIVITIES MAY BE LIMITED BY COR DURING LARGE SPECIAL EVENTS (LABOR DAY CELEBRATION, RAILROAD DAYS (MAY, ETC). BUILDING ACCESS TO BE PROVIDED BY COR.

10. CONTRACTOR SITE LOGISTICS, STAGING AND ACCESS PLAN WILL REQUIRE CIRP REVIEW BY IDNR PRIOR TO START OF CONSTRUCTION. PLAN SHALL INDICATE MAXIMUM APPLIED LOADS OF EQUIPMENT AND MATERIALS, ACCESS PATHS, STAGING AREAS, TEMPORARY FACILITIES, ETC.

11. PROTECT THE HISTORIC SOUTH SLAB WITH PLYWOOD (OR OTHER MEANS, INCLUDING AGGREGATE BASE MATERIAL TO MATCH EXISTING) TO DIFFUSE POINT LOADS FROM VEHICLES PARKING ON THE SLAB OR MAKING DELIVERIES AND MATERIALS STORED ON SITE. PROTECT BOUNDARY CURBS AND ADA SIDEWALKS WHERE VEHICLES ARE CROSSING TO THE SOUTH AND WEST OF THE SOUTH SLAB. PROHIBIT VEHICLES FROM CROSSING THE RETAINING/BARRIER-TYPE CURB EAST OF THE SOUTH SLAB. NO PENETRATIONS (FOR FENCING, STABILIZING MACHINERY, ETC.) ARE PERMITTED UNLESS APPROVED BY THE STATE HISTORIC PRESERVATION OFFICERS.



SITE LOGISTIC PLAN
NOT TO SCALE

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

LICENSED ARCHITECT
SHANE L. LARSEN
001-025030
8/13/25
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NORTH

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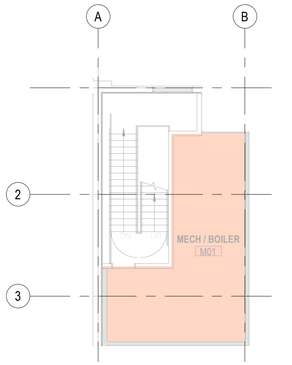
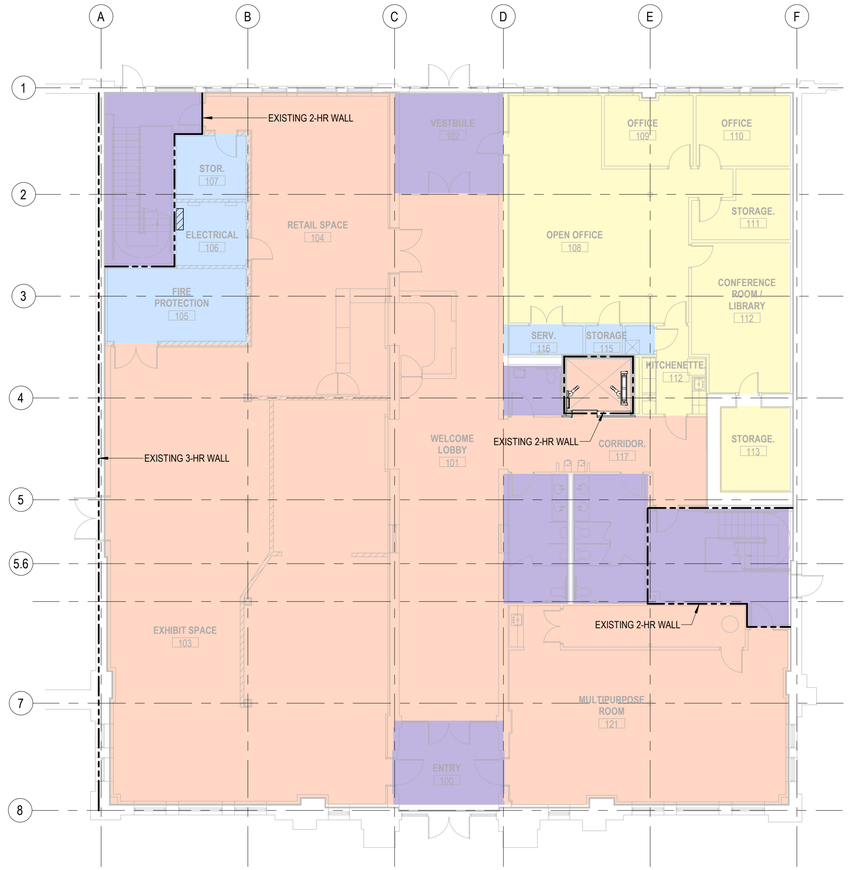
SHEET **4** OF **66**



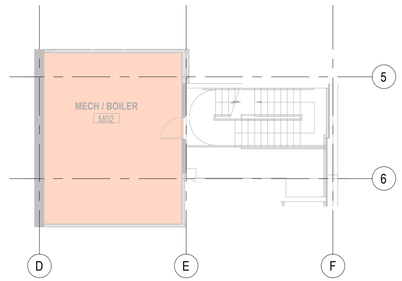
2 MEZZANINE NORTH - CODE REVIEW PLAN
SCALE: 3/32" = 1'-0"



OCCUPANCY CLASSIFICATION

- (none)
- ASSEMBLY (A-3)
- BUSINESS (B)
- ACCESSORY TO MAIN USE

1 FIRST FLOOR - CODE REVIEW PLAN



3 MEZZANINE SOUTH - CODE REVIEW PLAN
SCALE: 3/32" = 1'-0"

SUPPLEMENTAL CODE NOTES

CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS

508.3.3 SEPARATION. NO SEPARATION S REQUIRED BETWEEN NON-SEPARATED OCCUPANCIES.

504.3 MIXED OCCUPANCY

THE MAXIMUM HEIGHT OF A BUILDING SHALL NOT EXCEED THE LIMITS SPECIFIED IN TABLE 504.3 (75') EXCEPTION: TOWERS SHALL BE CONSTRUCTED OF MATERIALS CONSISTENT WITH THE REQUIRED TYPE OF CONSTRUCTION OF THE BUILDING EXCEPT WHERE OTHER CONSTRUCTION IS PERMITTED BY SECTION 1511.2.4. SUCH STRUCTURES SHALL NOT BE USED FOR HABITATION OR STORAGE. THE STRUCTURES SHALL BE UNLIMITED IN HEIGHT WHERE NONCOMBUSTIBLE MATERIALS AND SHALL NOT EXTEND MORE THAN 20' ABOVE THE ALLOWABLE BUILDING HEIGHT WHERE COMBUSTIBLE MATERIALS.

CHAPTER 7 FIRE AND SMOKE PROTECTION FEATURES
SECTION 713 SHAFT ENCLOSURES

713.4 FIRE RESISTANCE RATING. SHAFT ENCLOSURES SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING 4 STORIES OR MORE AND NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN 4 STORIES.

713.11 ENCLOSURE AT THE BOTTOM. EXCEPTION #3: THE FIRE RESISTANCE RATED ROOM SEPARATION AND THE PROTECTION AT THE BOTTOM OF THE SHAFT ARE NOT REQUIRED PROVIDED THAT THERE ARE NO COMBUSTIBLES IN THE SHAFT AND THERE ARE NO OPENINGS OR OTHER PENETRATIONS THROUGH THE SHAFT ENCLOSURE.

CHAPTER 10 MEANS OF EGRESS

1005.3.1 STAIRWAYS
EGRESS SIZING IS 0.2" PER OCCUPANT (W/ SPRINKLERS PER EXCEPTION #1).

THE EXISTING STAIRS ARE BOTH 44 1/2" WIDE. THEREFORE THE MAX OCCUPANT LOAD FOR EACH UPPER FLOOR IS 89" X (1/0.2) = 445 OCCUPANTS.

1005.3.2 OTHER EGRESS COMPONENT; EXCEPTIONS 1: THE CAPACITY IN INCHES OF OTHER EGRESS COMPONENTS (DOORS) WILL HAVE A FACTOR OF 0.15 INCH PER OCCUPANT. THEREFORE, 36" DOOR = 33" CLEAR WIDTH / 0.15 PER OCC = 220 OCCUPANTS. 220 X 2 = **440 OCCUPANTS.**

TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
A, E OCCUPANCY | OCCUPANT LOAD 49 | 75' WITH SPRINKLER
B OCCUPANCY | MAX OCC LOAD 49 | 100' WITH SPRINKLER
S OCCUPANCY | MAX 29 OCC LOAD | 100' WITH SPRINKLER

1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS

EXCEPTIONS: 2. WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2 THE SEPARATION DISTANCE SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE
A,E OCCUPANCY | 250' WITH SPRINKLER
B OCCUPANCY | 300' WITH SPRINKLER
S-2 OCCUPANCY | 400' WITH SPRINKLER

1020.5 DEAD END
WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT DEAD-END CORRIDORS DO NOT EXCEED 20'.

EXCEPTION: 3. A DEAD-END CORRIDOR SHALL NOT BE LIMITED IN LENGTH WHERE THE LENGTH OF THE DEAD-END CORRIDOR IS LESS THAN 2.5 TIMES THE LEAST WIDTH OF THE DEAD-END CORRIDOR.

CHAPTER 29 PLUMBING SYSTEMS

2902.1.2 FIXTURES IN SINGLE-USER TOILET ROOMS

THE NUMBER OF FIXTURES IN SINGLE-USER TOILET FACILITIES SHALL BE DEDUCTED PROPORTIONATELY FROM THE REQUIRED GENDER RATIOS OF TABLE 2902.1. SINGLE-USER ROOMS SHALL BE IDENTIFIED AS BEING AVAILABLE FOR USE BY ALL PERSONS REGARDLESS OF SEX.

2902.2 SEPARATE FACILITIES

WHERE PLUMBING FIXTURES ARE REQUIRED, SEPARATE FACILITIES SHALL BE PROVIDED FOR EACH SEX.

EXCEPTIONS: 6) SEPARATE TOILET FACILITIES SHALL NOT BE REQUIRED WHERE ROOMS HAVING BOTH WATER CLOSETS AND LAVATORY FIXTURES ARE DESIGNED FOR USE BY ALL PERSONS REGARDLESS OF SEX AND PRIVACY IS PROVIDED FOR WATER CLOSETS IN ACCORDANCE WITH SECTION 405.3.4 OF THE IPC.

CHAPTER 30 ELEVATORS

3003.2 FIRE FIGHTERS EMERGENCY OPERATION. ELEVATORS SHALL BE PROVIDED WITH PHASE I EMERGENCY RECALL OPERATION AND PHASE II EMERGENCY IN-CAR OPERATION IN ACCORDANCE WITH ASME A17.1/CSA B44.

3006.2 ELEVATOR HOISTWAY DOOR PROTECTION. ELEVATOR HOISTWAY DOORS SHALL BE PROTECTED WHERE AN ELEVATOR HOISTWAY CONNECTS MORE THAN THREE STORIES. HOISTWAY PROTECTION IS NOT REQUIRED.

CODE SUMMARY

APPLICABLE CODES		
BUILDING :	2024 IBC	
ACCESSIBILITY :	2017 ABAAS	
LIFE SAFETY :	NFPA 101/2024 IFC	
ENERGY :	2024 IECC	
MECHANICAL :	2024 IMC	
PLUMBING :	2024 UPC	
ELECTRICAL :	2023 NEC	
EXISTING :	2024 IEBC	
OCCUPANCY GROUP :	A-3, B, S-2	
TYPE OF CONSTRUCTION :	II-B (EXISTING)	
HEIGHT AND AREA LIMITS		
MAXIMUM ALLOWED HEIGHT	3 STORIES (75 FT)	
MAXIMUM ALLOWED AREA	28,500 SF	
MIXED USE SEPARATIONS :	NONSEPARATED	
EXTERIOR WALL OPENING LIMITS :	NA	
DRAFTSTOPS :	NA	
FIRE PROTECTIVE SYSTEMS		
AUTO FIRE SUPPRESSION :	NFPA 13	
STANDPIPE :	PROVIDED	
FIRE ALARM SYSTEM :	NFPA 72	
AUTO FIRE DETECTION :	NFPA 13	
SMOKE DETECTION :	NFPA 72	
FIRE RESISTANCE OF STRUCTURAL ELEMENTS	**RATING (HOURS)**	**DESIGN NUMBER**
EXTERIOR WALLS		
LOAD BEARING WALLS	0	EXISTING
NON-LOAD BEARING WALLS	0	NA
FIRE SEPARATION ASSEMBLIES		
EXITS	1	EXISTING
SHAFTS / HOISTWAYS	1	EXISTING
DWELLING UNIT SEPARATIONS	NA	NA
INTERIOR LOAD BEARING WALLS, COLUMNS, FRAMING	0	EXISTING
FLOOR CONSTRUCTION	0	EXISTING
ROOF CONSTRUCTION	0	EXISTING
FIRE WALLS	3	EXISTING
CALCULATIONS		
DOOR	0.15" / OCC	
STAIR	0.2" / OCC	

BUILDING STATISTICS

AREA (GROSS SQUARE FOOTAGE) :	
FIRST FLOOR	9620 SF
MEZZANINE	1450 SF
SECOND FLOOR	9620 SF
THIRD FLOOR	9620 SF
TOTAL	**30310 SF**
NUMBER OF STORIES :	3

CODE COMPLIANCE LEGEND

- FIRE BARRIER (X HOURS)
- FIRE PARTITION (X HOURS)
- SMOKE BARRIER (X HOURS)
- SMOKE PARTITION (X HOURS)
- BUILDING SEPARATION (X HOURS)
- INCIDENTAL OCCUPANCY
- ACCESSORY OCCUPANCY
- NOT HABITABLE OCCUPANCY
- 36" | 180 | 9 | 90" — DOOR RATING (MIN) / ANTICIPATED LOAD / EXIT CAPACITY / DOOR WIDTH (IN)
- 36" | 180 | 9 — ANTICIPATED LOAD / EXIT CAPACITY / STAIR WIDTH (IN)
- E — **TRAVEL DISTANCE** XXX'-XX" / EXIT LOCATION SYMBOL
- **DEAD-END DISTANCE** XXX'-XX"
- 75' — NEW FIRE EXTINGUISHER- INSIDE RECESSED CABINET - (FE1)

NOTES:

- CONTRACTOR SHALL PROVIDE PERMANENT SIGNAGE OR STENCILING WITHIN CEILING PLENUM AT ALL FIRE RATED WALLS, SMOKE BARRIERS & SMOKE PARTITIONS. LETTERING SHALL BE AT LEAST 3" IN HEIGHT WITH THE WORDING: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS:. REPEAT AT INTERVALS NOT EXCEEDING 30'-0" MEASURED HORIZONTALLY ALONG THE PARTITION WALL.
- SEAL PENETRATIONS IN FIRE RATED SMOKE BARRIERS, FIRE RATED BARRIERS & SMOKE BARRIERS.

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FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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JMB — DRAWN
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08/13/2025 — DATE

TITLE OF SHEET
ARCHITECTURAL CODE COMPLIANCE
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **G102**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **5** OF **66**

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ACC_ROOM SCHEDULE - 1ST & 2ND LEVELS

ROOM NO	ROOM NAME	FUNCTION OF SPACE	CALC (SQF/OCC) AREA / OCC		OCCUPANT LOAD
FIRST FLOOR					
101	WELCOME LOBBY	ASSEMBLY EXHIBIT GALLERY & MUSEUM	1365 SF / 30	NET SF	46
103	EXHIBIT SPACE	ASSEMBLY EXHIBIT GALLERY & MUSEUM	2380 SF / 30	NET SF	79
104	RETAIL SPACE	MERCANTILE	868 SF / 60	SF	14
105	FIRE PROTECTION	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	203 SF / 300	SF	1
106	ELECTRICAL	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	87 SF / 300	SF	0
107	STOR.	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	87 SF / 300	SF	0
108	OPEN OFFICE	BUSINESS AREAS	715 SF / 100	NET SF	7
109	OFFICE	BUSINESS AREAS	125 SF / 100	NET SF	1
110	OFFICE	BUSINESS AREAS	132 SF / 100	NET SF	1
111	STORAGE.	BUSINESS AREAS	107 SF / 100	NET SF	1
112	CONFERENCE ROOM / LIBRARY	BUSINESS AREAS	274 SF / 100	NET SF	3
112	KITCHENETTE.	BUSINESS AREAS	100 SF / 100	NET SF	1
113	STORAGE.	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	112 SF / 300	SF	0
114	JAN.	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	16 SF / 300	SF	0
115	STORAGE	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	20 SF / 300	SF	0
116	SERV.	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	42 SF / 300	SF	0
121	MULTIPURPOSE ROOM	ASSEMBLY WITHOUT FIXED SEATS CONCENTRATED (CHAIRS ONLY - NOT FIXED)	911 SF / 7	NET SF	130
122	STORAGE.	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	148 SF / 300	SF	0
FIRST FLOOR: 18					286
SECOND FLOOR					
201	NPS KITCHENETTE	BUSINESS AREAS	230 SF / 100	NET SF	2
202	STORAGE	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	124 SF / 300	SF	0
204	JANITOR	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	119 SF / 300	SF	0
205	KITCHENETTE	BUSINESS AREAS	117 SF / 100	NET SF	1
207	PRIVATE COLLAB	ASSEMBLY WITHOUT FIXED SEATS UNCONCENTRATED (TABLES AND CHAIRS)	205 SF / 15	NET SF	14
208	DISPLAY	ASSEMBLY WITHOUT FIXED SEATS UNCONCENTRATED (TABLES AND CHAIRS)	3558 SF / 15	NET SF	237
209	PARTNER EXEC OFFICE	BUSINESS AREAS	240 SF / 100	NET SF	2
210	OPEN COLLAB	BUSINESS AREAS	415 SF / 100	NET SF	4
211	PARTNER OFFICE	BUSINESS AREAS	756 SF / 100	NET SF	8
217	NPS OFFICES	BUSINESS AREAS	857 SF / 100	NET SF	9
218	OPEN NPS COLLAB	BUSINESS AREAS	148 SF / 100	NET SF	1
219	ASST SUPT	BUSINESS AREAS	156 SF / 100	NET SF	2
220	SUPT	BUSINESS AREAS	235 SF / 100	NET SF	2
221	ELEC		37 SF / 20		2
SECOND FLOOR: 14					285
TOTALS:: 32					571

ACC_ROOM SCHEDULE - 3RD LEVEL

ROOM NO	ROOM NAME	FUNCTION OF SPACE	CALC (SQF/OCC) AREA / OCC		OCCUPANT LOAD
THIRD FLOOR					
302	NPS STORAGE	BUSINESS AREAS	134 SF / 100	NET SF	1
303	NPS STORAGE	BUSINESS AREAS	310 SF / 100	NET SF	3
310	NPS STORAGE	BUSINESS AREAS	1366 SF / 100	NET SF	14
311	LEASE AREA POTENTIAL	BUSINESS AREAS	1920 SF / 100	NET SF	19
313	JAN	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	33 SF / 300	SF	0
315	LEASE AREA POTENTIAL	BUSINESS AREAS	1571 SF / 100	NET SF	16
317	NPS STORAGE	BUSINESS AREAS	1387 SF / 100	NET SF	14
319	MECH	ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	36 SF / 300	SF	0
THIRD FLOOR: 8					67
TOTALS:: 8					67

PLUMBING FIXTURE REQUIREMENTS

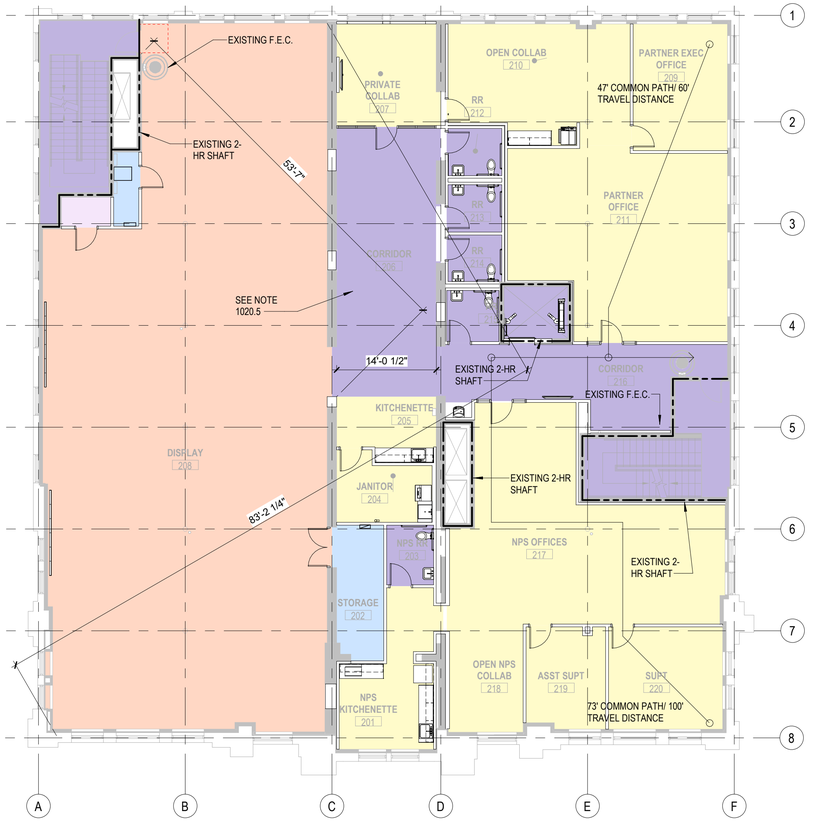
A-3				
NUMBER OF OCCUPANTS	510			
MEN	255			
WOMEN	255			
	WC	LAV	URINALS	TUB/ SHOWER
	1 PER 125/65	1 PER 200	--	1 PER 8
MEN - REQUIRED	2.04	1.28		
MEN - PROVIDED				
WOMEN - REQUIRED	3.92	1.28	--	
WOMEN - PROVIDED			--	
	DRINKING FOUNTAINS			
	1 PER 500			
REQUIRED	1.02			
PROVIDED				

PLUMBING FIXTURE REQUIREMENTS

B				
NUMBER OF OCCUPANTS	131			
MEN	66			
WOMEN	66			
	WC	LAV	URINALS	TUB/ SHOWER
	1 PER 25	1 PER 40	--	NA
MEN - REQUIRED	2.64	1.65		
MEN - PROVIDED				
WOMEN - REQUIRED	2.64	1.65	--	
WOMEN - PROVIDED			--	
	DRINKING FOUNTAINS			
	1 PER 100			
REQUIRED	1.31			
PROVIDED				

PLUMBING FIXTURE REQUIREMENTS

TOTAL				
NUMBER OF OCCUPANTS	641			
MEN	321			
WOMEN	321			
	WC	LAV	URINALS	TUB/ SHOWER
	--	--	--	NA
MEN - REQUIRED	4.68	2.93	0	NA
MEN - PROVIDED	5	6	2	NA
WOMEN - REQUIRED	6.56	2.93	--	NA
WOMEN - PROVIDED	8	7	--	NA
	DRINKING FOUNTAINS			
REQUIRED	2.33			
PROVIDED	3			



OCCUPANCY CLASSIFICATION

- (none)
- ASSEMBLY (A-3)
- BUSINESS (B)
- ACCESSORY TO MAIN USE

1 SECOND FLOOR - CODE REVIEW PLAN
SCALE: 3/32" = 1'-0"

OCCUPANCY CLASSIFICATION

- (none)
- BUSINESS (B)
- STORAGE (S-1)
- ACCESSORY TO MAIN USE

2 THIRD FLOOR - CODE REVIEW PLAN
SCALE: 3/32" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

LICENSED ARCHITECT — SUZANNE L. LARSEN 001-025030 8/13/25 — STATE OF ILLINOIS
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JMB DRAWN
SLL CHECKED
08/13/2025 DATE

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ARCHITECTURAL CODE COMPLIANCE
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **G103**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **6** OF **66**

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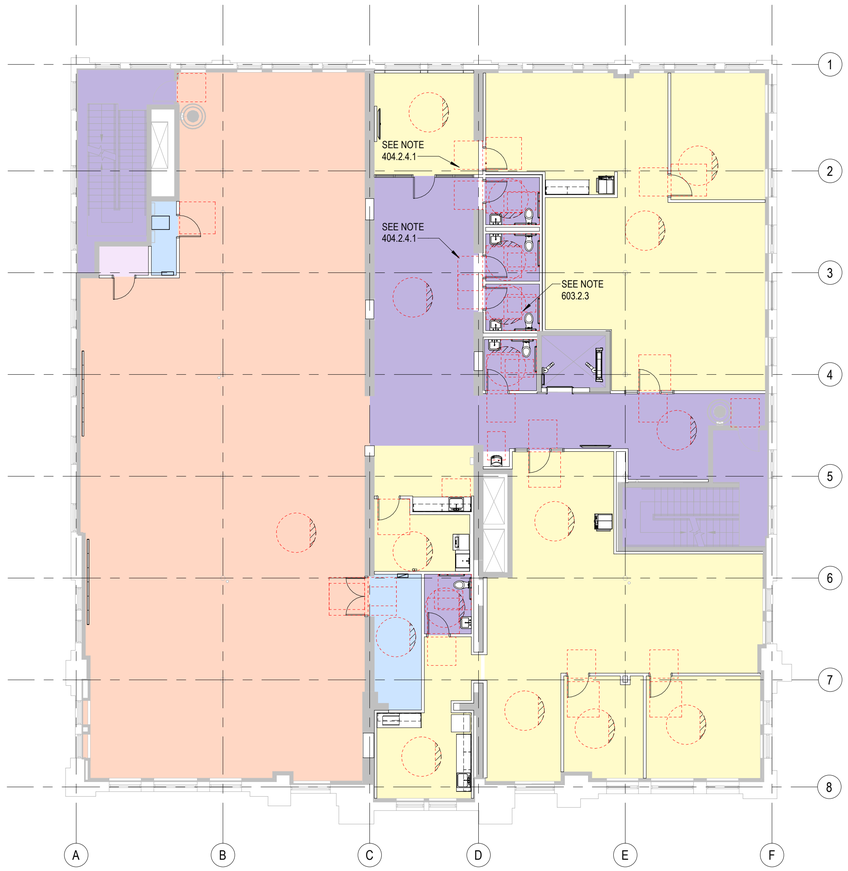
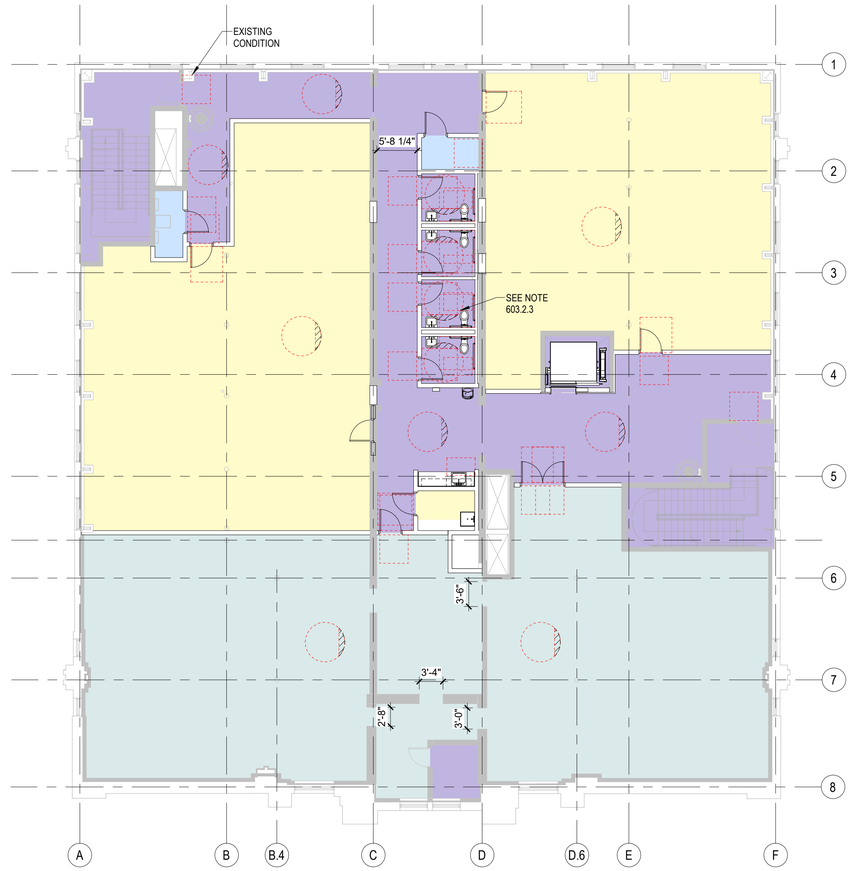


1 SECOND FLOOR - ACCESSIBILITY PLAN
SCALE: 3/32" = 1'-0"



2 THIRD FLOOR - ACCESSIBILITY PLAN
SCALE: 3/32" = 1'-0"

SUPPLEMENTAL 2017 ABASS NOTES

CHAPTER 4

404.2.4.1 SWINGING DOORS

PUSH SIDE DOORS ARE NOT REQUIRED TO HAVE 12" FROM PUSH SIDE IF THEY ARE NOT PROVIDED WITH CLOSER AND LATCH. FIGURE 404.2.4.1.

CHAPTER 6

603.2.3 DOOR SWING

DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE.

EXCEPTIONS 2: WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED WITHIN THE ARC OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE.

LICENSED ARCHITECT
SHANE L LARSEN
001-025030
8/13/25
STATE OF ILLINOIS
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TITLE OF SHEET
ACCESSIBILITY BUILDING PLANS - 2ND & 3RD LEVELS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **G104**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **7** OF **66**

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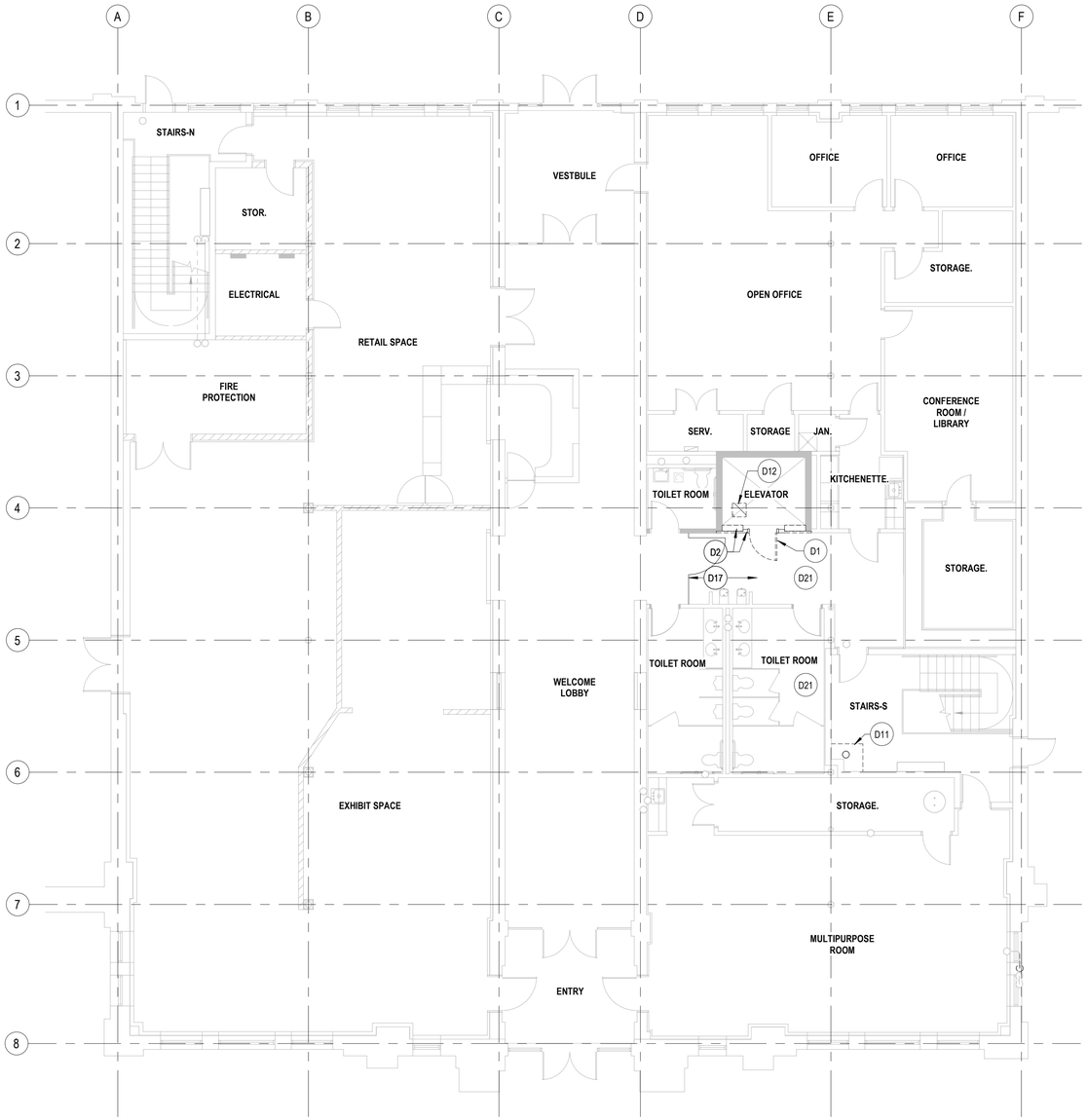
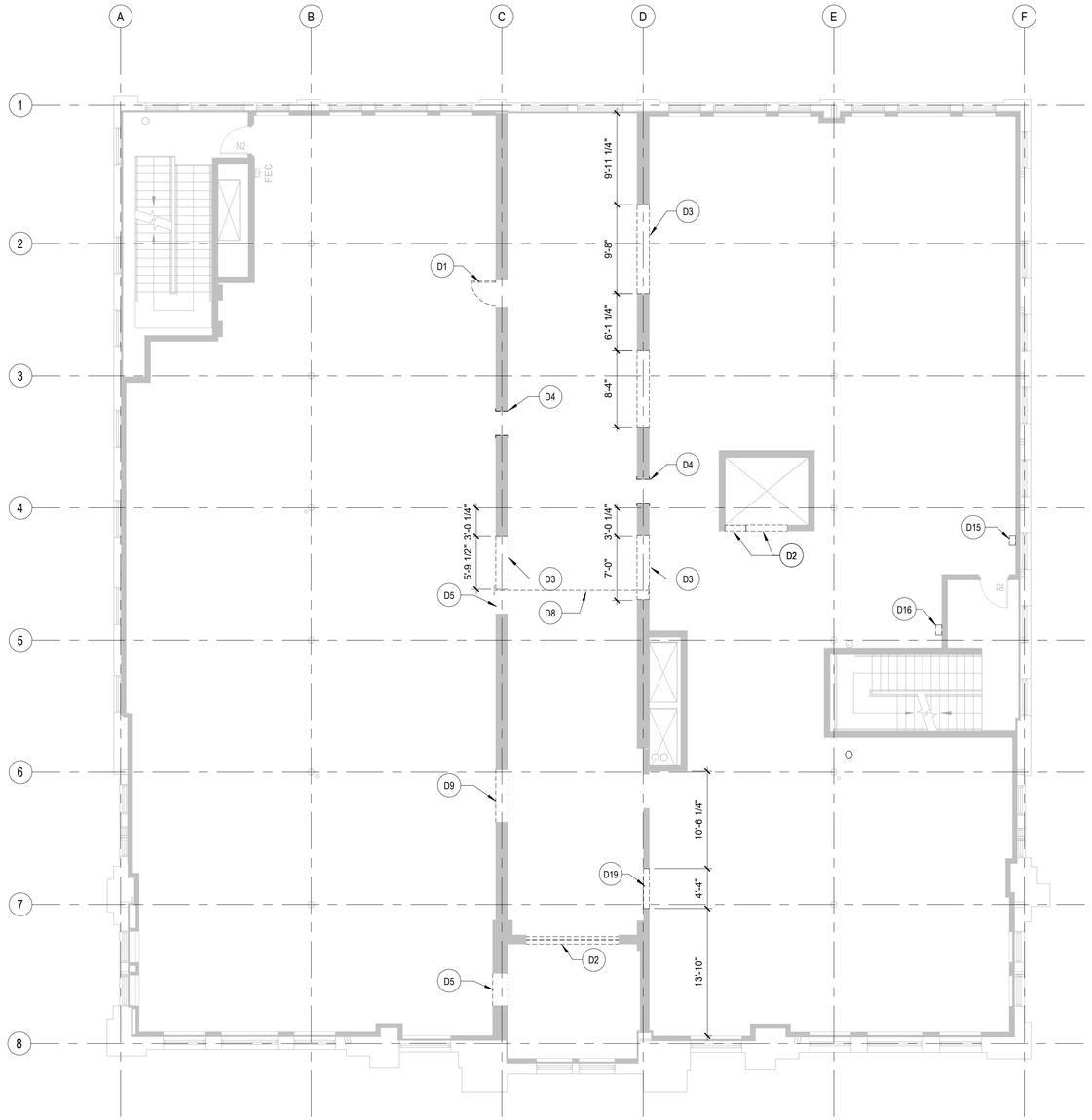


1 FIRST FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR - DEMOLITION
SCALE: 1/8" = 1'-0"

ARCHITECTURAL DEMO NOTES

D1	REMOVE DOOR AND FRAME
D2	REMOVE EXISTING WALL/CMU INFILL. COORDINATE ROUGH OPENING WITH ELEVATOR REQUIREMENTS. SEE STRUCTURE FOR HEADER DETAILS. SEE STRUCTURE FOR HEADER DETAILS
D3	BRICK TO BE CAREFULLY DEMOLISHED, GATHERED, CLEANED AND STORE FOR RE-USE. SALVAGE ENOUGH FOR RE-USE IN THIS PROJECT. SEE STRUCTURE FOR HEADER DETAILS. REMOVE MASONRY 3" BELOW TOP OF CONCRETE FLOOR LEVEL.
D4	REMOVE STEEL THRESHOLD & MISC WOOD OR MASONRY. SUPPORT LINTEL/PLATE TO REMAIN
D5	REMOVE MISC WOOD INFILL OR BLOCKING. SUPPORT LINTEL/PLATE TO REMAIN
D8	REMOVE CABLE AND PLATES. INFILL OPENINGS WITH MORTAR. SEE IMAGES ON SHEET A503
D9	REMOVE MISC WOOD INFILL OR BLOCKING. SUPPORT LINTEL/PLATE TO REMAIN. REMOVE MASONRY 3" BELOW TOP OF CONCRETE FLOOR LEVEL.
D11	DEMO CONCRETE SLAB TO ACCESS SANITARY LINES. SEE PLUMBING TO COORDINATE. INFILL WITH NEW CONCRETE AFTER PLUMBING CONNECTION
D12	RELOCATE SUMP PUMP. SEE PLUMBING. FILL IN EXISTING SUMP PIT WITH CONCRETE
D15	RELOCATE AUTOMATED EXTERNAL DEFIBRILLATOR CABINET
D16	RELOCATE FIRE EXTINGUISHER CABINET
D17	ELEVATOR WORK AREA. PROVIDE TEMPORARY WALL AND ACCESS DOOR
D19	REMOVE CMU. SEE STRUCTURE FOR HEADER DETAILS. REMOVE CMU 3" BELOW TOP OF CONCRETE FLOOR LEVEL.
D21	PARTIAL DEMO OF GWB CEILINGS. SEE PLUMBING TO COORDINATE

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TITLE OF SHEET
DEMOLITION PLAN - 1ST & 2ND FLOOR
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

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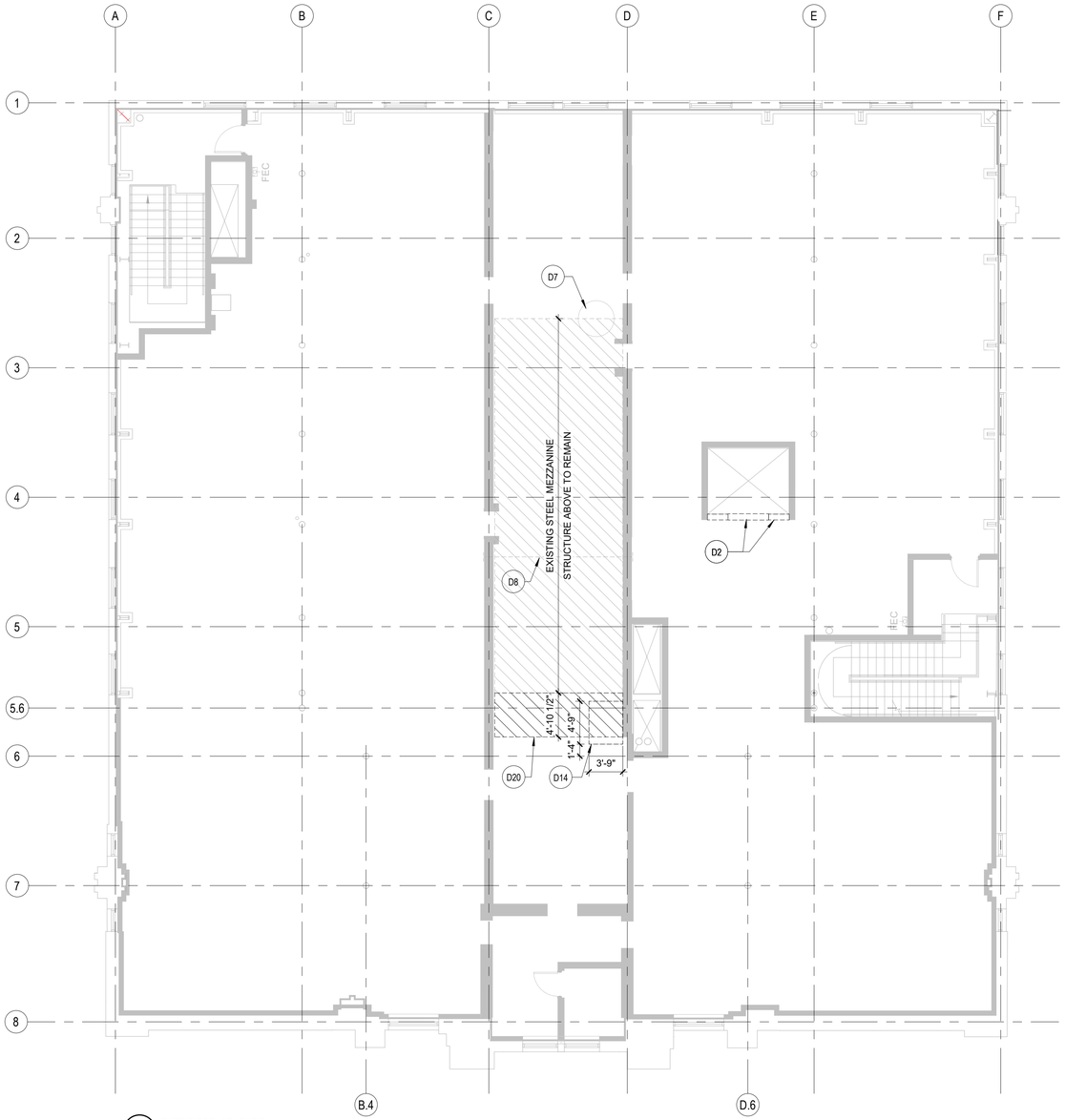
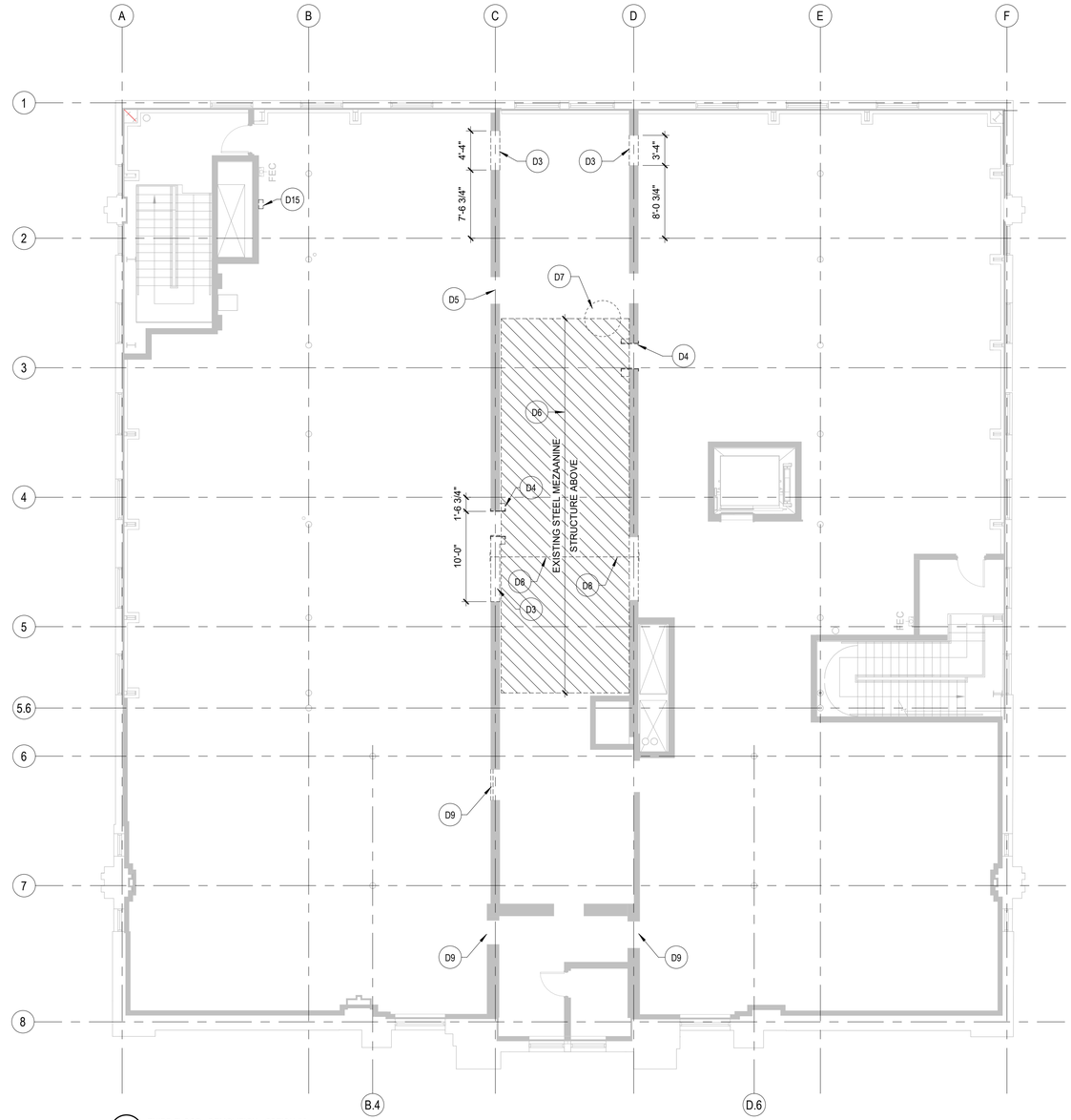


1 THIRD FLOOR - DEMOLITION
SCALE: 1/8" = 1'-0"



2 THIRD FLOOR - DEMOLITION - OPTION #5
SCALE: 1/8" = 1'-0"

ARCHITECTURAL DEMO NOTES

D2 REMOVE EXISTING WALL/CMU INFILL. COORDINATE ROUGH OPENING WITH ELEVATOR REQUIREMENTS. SEE STRUCTURE FOR HEADER DETAILS. SEE STRUCTURE FOR HEADER DETAILS

D3 BRICK TO BE CAREFULLY DEMOLISHED, GATHERED, CLEANED AND STORE FOR RE-USE. SALVAGE ENOUGH FOR RE-USE IN THIS PROJECT. SEE STRUCTURE FOR HEADER DETAILS. REMOVE MASONRY 3" BELOW TOP OF CONCRETE FLOOR LEVEL.

D4 REMOVE STEEL THRESHOLD & MISC WOOD OR MASONRY. SUPPORT LINTEL/PLATE TO REMAIN

D5 REMOVE MISC WOOD INFILL OR BLOCKING. SUPPORT LINTEL/PLATE TO REMAIN

D6 REMOVE MEZZANINE BEAMS AND FLOOR ASSEMBLY. FILL BEAM POCKETS WITH MORTAR

D7 REMOVE SPIRAL STAIR ASSEMBLY TO MEZZANINE

D8 REMOVE CABLE AND PLATES. INFILL OPENINGS WITH MORTAR. SEE IMAGES ON SHEET A503

D9 REMOVE MISC WOOD INFILL OR BLOCKING. SUPPORT LINTEL/PLATE TO REMAIN. REMOVE MASONRY 3" BELOW TOP OF CONCRETE FLOOR LEVEL

D14 DEMO CONCRETE FLOOR SLAB FOR MECHANICAL CHASE. SEE STRUCTURAL

D15 RELOCATE AUTOMATED EXTERNAL DEFIBRILLATOR CABINET

D20 PARTIAL MEZZANINE REMOVAL. COORDINATE WITH SHAFT LOCATION

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TITLE OF SHEET
DEMOLITION PLAN - 3RD FLOOR
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

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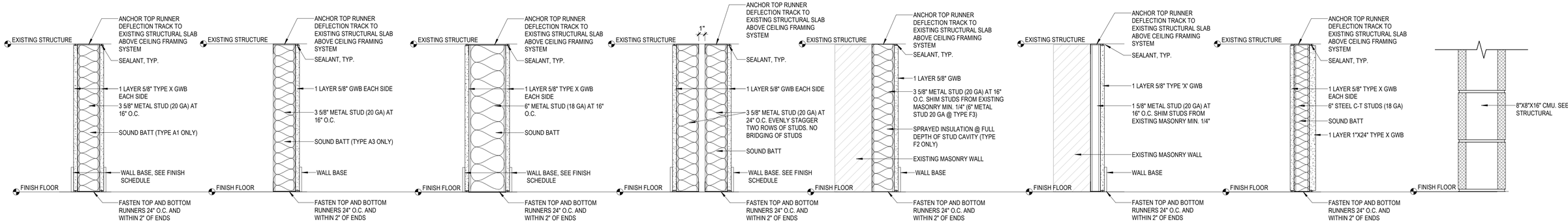


A & A1 (METAL STUD WALL)

A2 & A3 (METAL STUD WALL)

A4 (METAL STUD WALL)

NOTE: UL DESIGN W415 - 1 HR REQUIRED WHERE INDICATED ON CODE SHEET

B (METAL STUD WALL)

NOTE: PER SOUND TEST USG-160901 THE STC RAING IS 54

F1, F2 & F3 (FURRED WALL)

NOTE: RETURN GWB AT SILLS, JAMBS, AND HEAD CONDITIONS. MATCH EXISTING WINDOWS

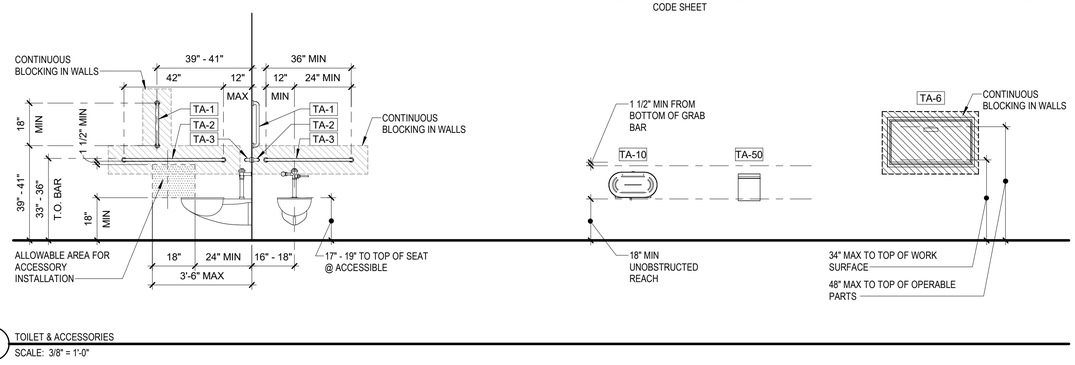
F4 (FURRED WALL)

S1 (SHAFT WALL)

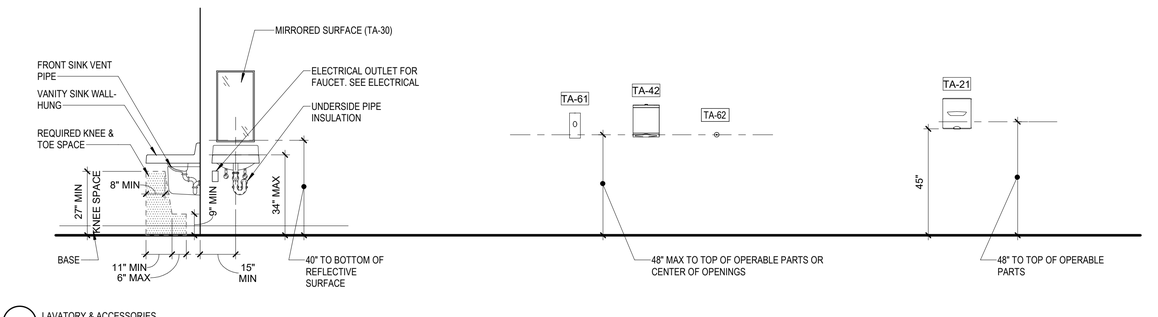
NOTE: UL DESIGN U417 - 1 HR

C (CMU WALL)

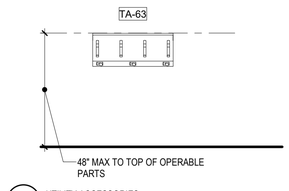
NOTE: BEARING/NONBEARING WALL RATING - 2HR. UL DESIGN NO. U905



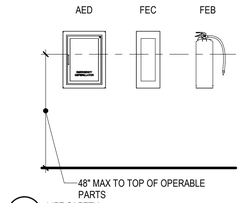
TOILET & ACCESSORIES
SCALE: 3/8" = 1'-0"



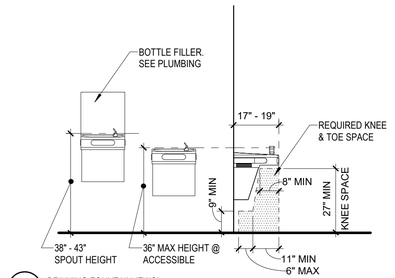
LAVATORY & ACCESSORIES
SCALE: 3/8" = 1'-0"



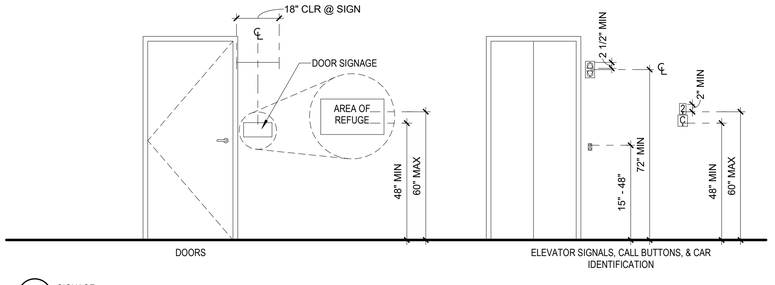
UTILITY ACCESSORIES
SCALE: 3/8" = 1'-0"



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



DRINKING FOUNTAIN (EWC)
SCALE: 3/8" = 1'-0"

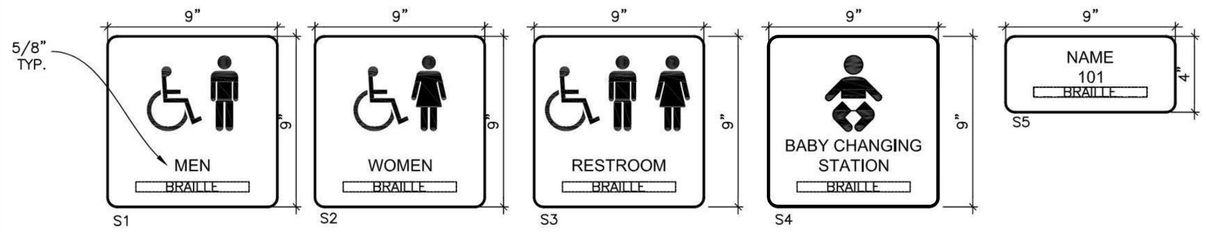


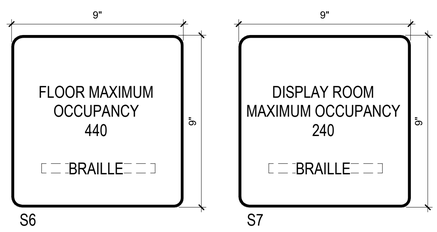
SIGNAGE
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES (TA-X):

NUMBER	DESCRIPTION
TA-1	VERTICAL 18" GRAB BAR
TA-2	HORIZONTAL 42" GRAB BAR
TA-3	HORIZONTAL 36" GRAB BAR
TA-6	CHANGING STATION, PROVIDE IN RR 214 & 306 ONLY
TA-10	TOILET PAPER DISPENSER (DOUBLE ROLL)
TA-11	TOILET PAPER DISPENSER (SINGLE ROLL)
TA-21	HAND DRYER
TA-30	3'-0" X 2'-0" MIRROR
TA-42	SURFACE MOUNTED PAPER TOWEL DISPENSER
TA-50	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
TA-61	WALL MOUNTED AUTOMATIC SOAP DISPENSER
TA-62	COAT HOOK
TA-63	UTILITY SHELF W/ MOP & BROOM HOLDER

MOUNTING HEIGHTS ARE BASED OFF 2017 ABAAS





SIGNAGE
SCALE: 3" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

SHANE LARSEN 001-025030 8/13/25 STATE OF ILLINOIS LICENSED ARCHITECT

LICENSE EXP. 11/01/2026

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www.schemmer.com

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DATE	INITIAL

PREPARED
JMB — DESIGNED
JMB — DRAWN
SLL — CHECKED
08/13/2025 — DATE

TITLE OF SHEET
ASSEMBLY TYPES AND MOUNTING HEIGHTS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A101**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **10** OF **66**

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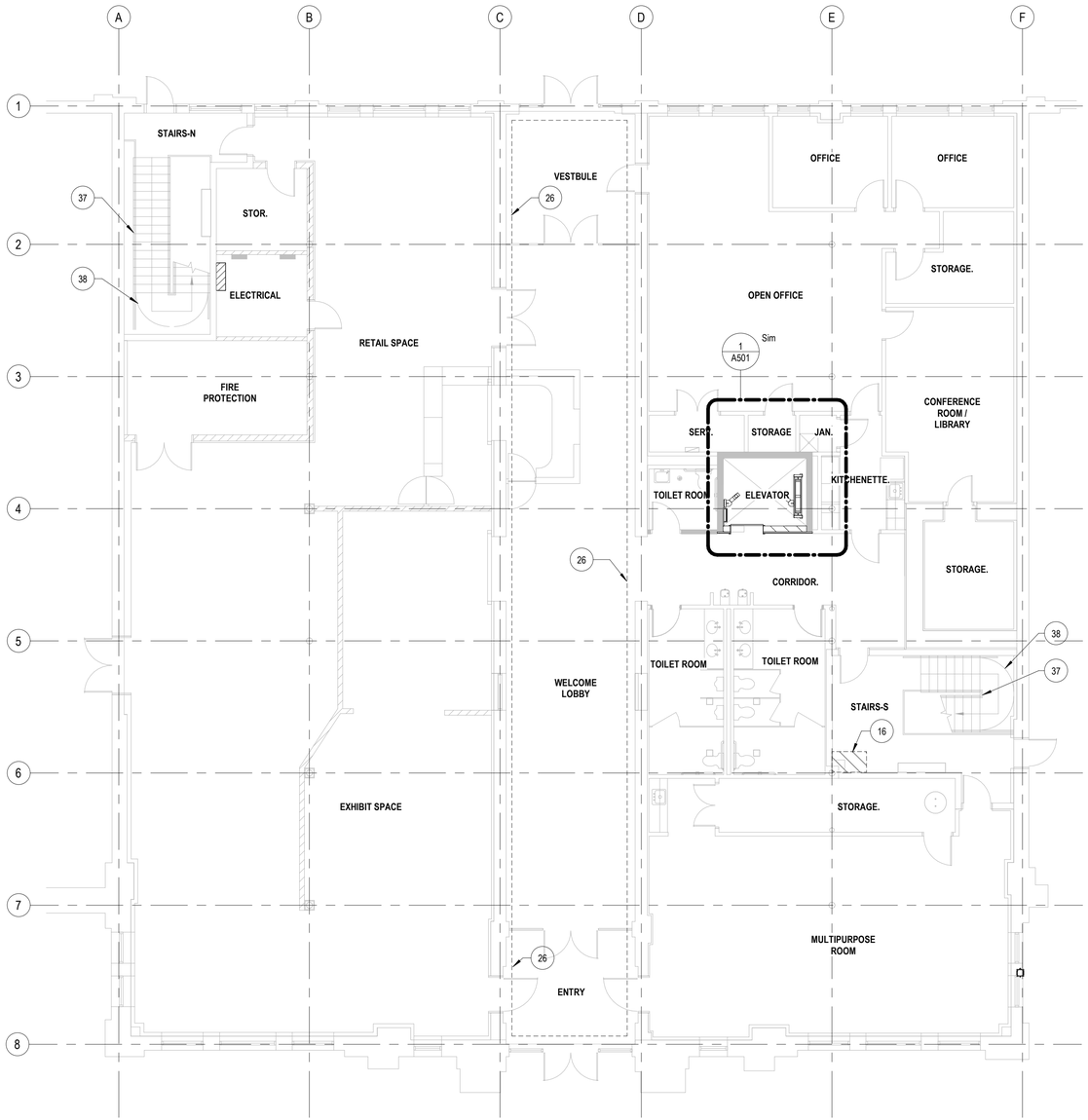

2 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

ARCHITECTURAL REFERENCE NOTES

16 REPAIR CONCRETE SLAB AND FLOOR FINISHES
26 PROTECT EXISTING WOOD CEILING FINISH IN CENTRAL CORRIDOR. NO PENETRATIONS ALLOWED
37 PAINT STAIR STRINGERS, GUARDRAILS, HANDRAILS, AND UNDERSIDE OF TREADS AND LANDINGS (PT-6)
38 CONCRETE SEALER @ EXISTING CONCRETE TREADS AND LANDINGS

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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JMB DRAWN
SLL CHECKED
08/13/2025 DATE

TITLE OF SHEET
1ST FLOOR PLAN
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A102**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **11** OF **66**

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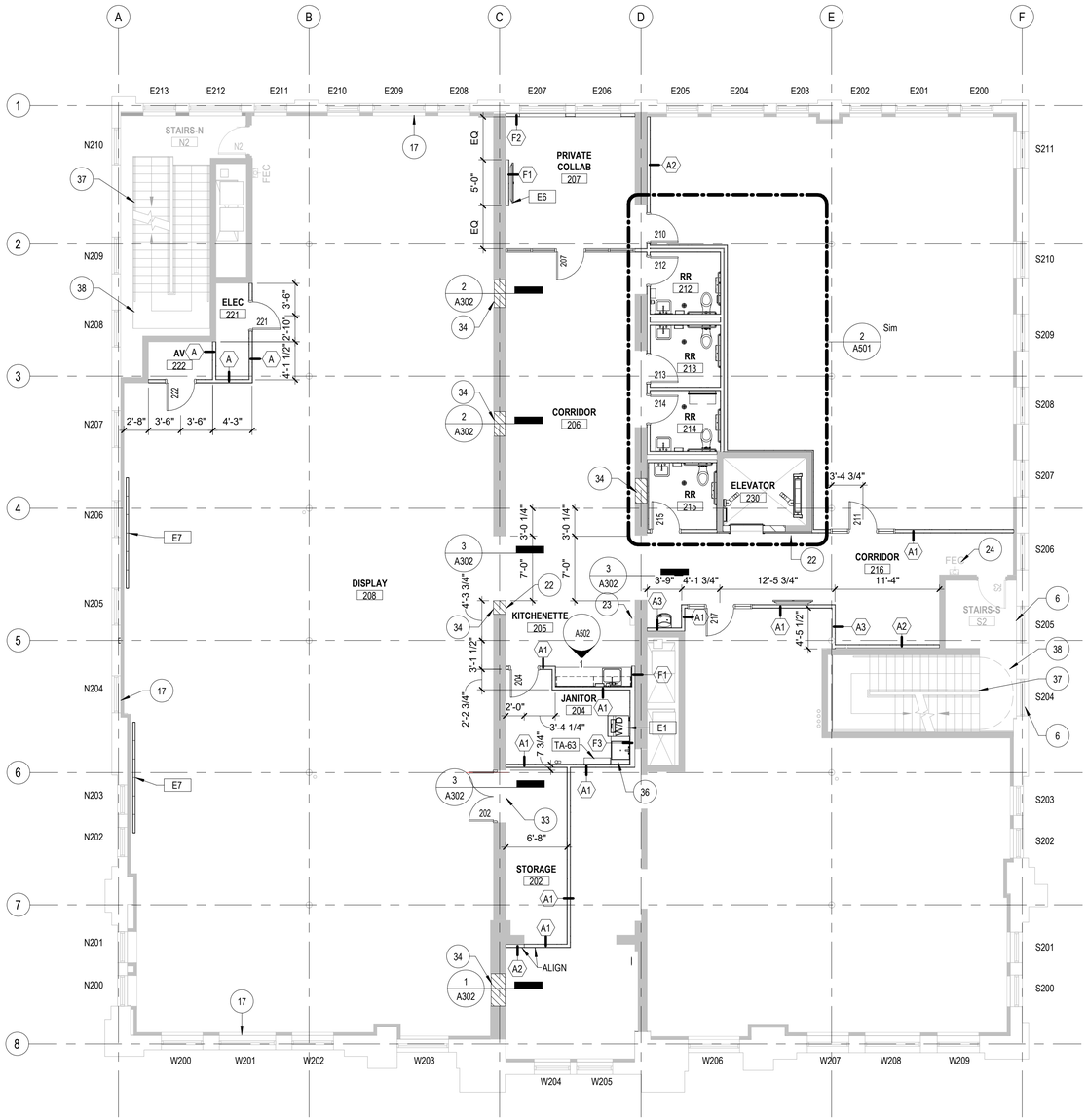

1 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

2 SECOND FLOOR PLAN - OPTIONS 2 & 4
SCALE: 1/8" = 1'-0"

ARCHITECTURAL REFERENCE NOTES

- **6** PROVIDE SPRAY FOAM ABOVE WINDOW HEADS. COAT SPRAY FOAM WITH INTUMESCENT PAINT. SPRAY FOAM TRIMMED FLUSH WITH INSIDE FACE OF EXTERIOR WALL PRIOR TO INTUMESCENT PAINT. SEE IMAGES ON SHEET A503
- **17** PROVIDE WINDOW SHADES AT EXTERIOR WINDOWS. SEE SCHEDULE ON SHEET A301
- **21** FURNITURE PROVIDED BY OTHERS
- **22** PROVIDE SIGNAGE #7
- **23** RELOCATED AUTOMATED EXTERNAL DEFIBRILLATOR
- **24** RELOCATED FIRE EXTINGUISHER CABINET
- **33** MASONRY INFILL IN EXISTING OPENING ABOVE NEW DOOR. SEE STRUCTURAL. SEE IMAGES ON SHEET A503
- **34** MASONRY INFILL IN EXISTING OPENING
- **36** PROVIDE UTILITY SINK RAISED BASE AND WATER HEATER SUPPORT FRAME. SEE DETAIL 4/A503
- **37** PAINT STAIR STRINGERS, GUARDRAILS, HANDRAILS, AND UNDERSIDE OF TREADS AND LANDINGS (PT-6)
- **38** CONCRETE SEALER @ EXISTING CONCRETE TREADS AND LANDINGS

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

LICENSED ARCHITECT SHANE M. LARSEN 001-025030 8/13/25 STATE OF ILLINOIS
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JMB DRAWN
SLL CHECKED
08/13/2025 DATE

TITLE OF SHEET
2RD FLOOR PLAN
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A103**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **12** OF **66**

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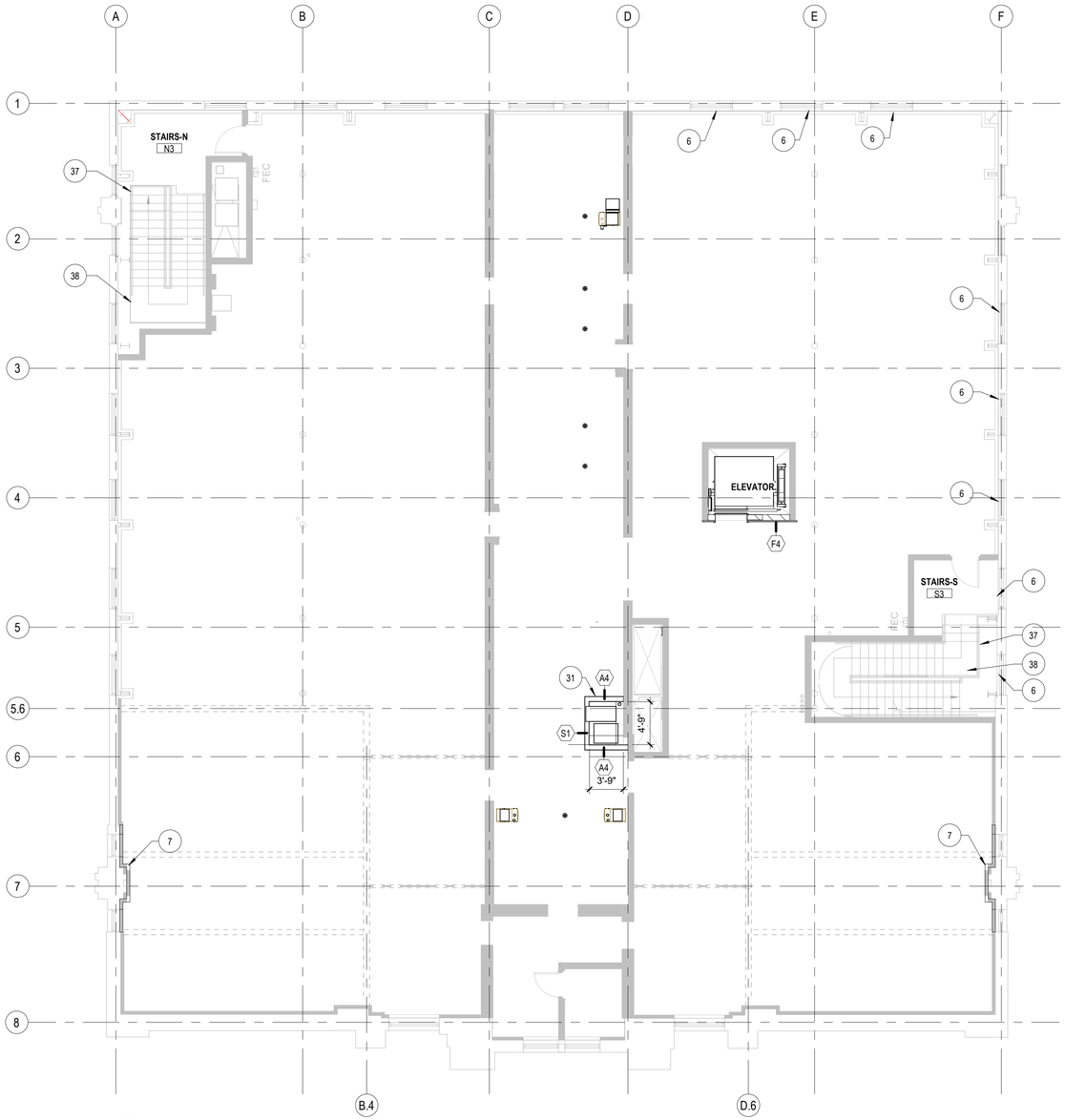
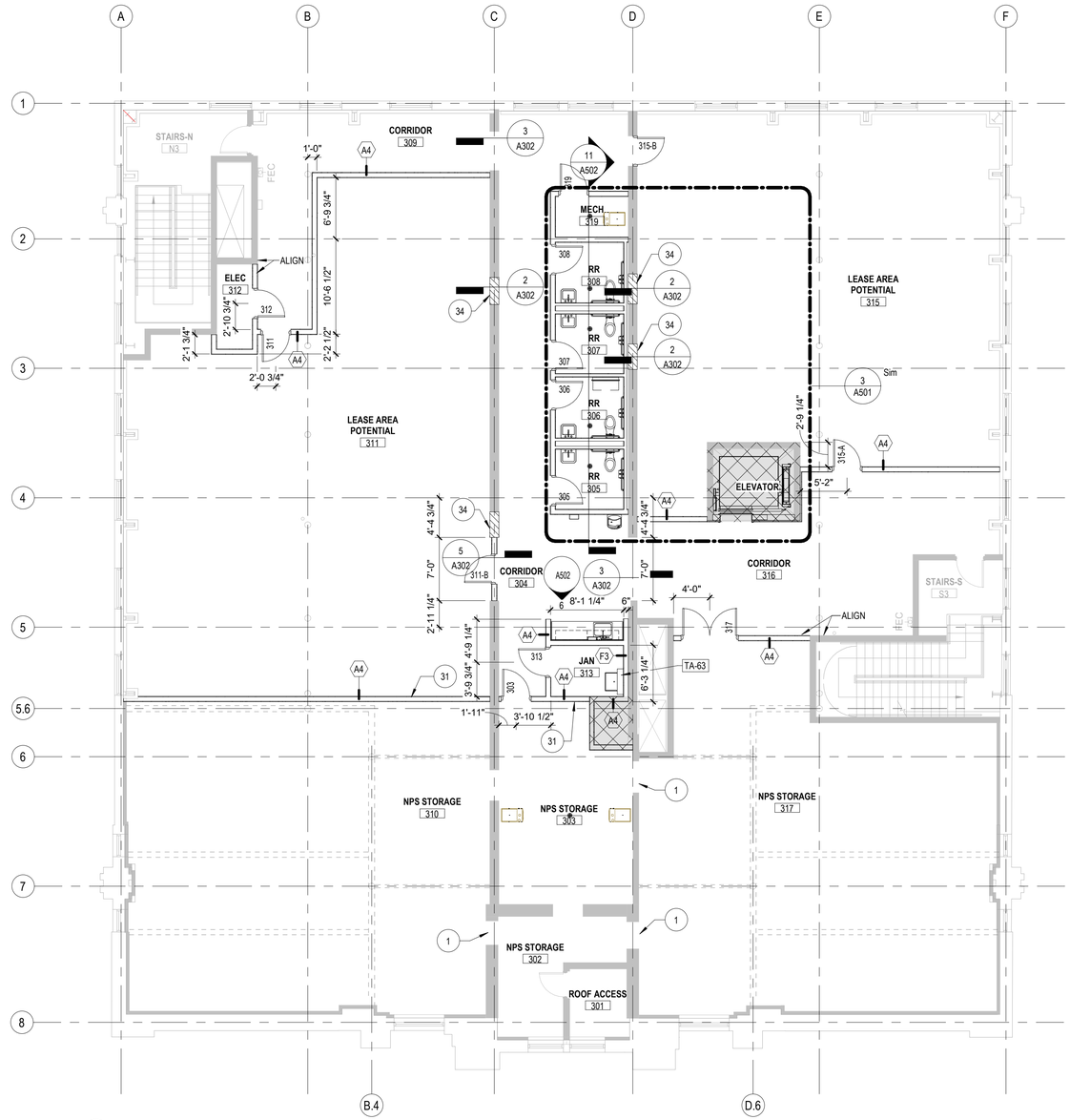


1 THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 THIRD FLOOR PLAN - OPTIONS 6
SCALE: 1/8" = 1'-0"

ARCHITECTURAL REFERENCE NOTES

1	CONCRETE INFILL @ THRESHOLD. LEVEL CONCRETE TO ADJACENT FLOOR LEVELS. FLOAT CONCRETE OUT IF NEEDED WITH SLOPE NO GREATER THAN 2%. SEE DETAIL 3/A302
6	PROVIDE SPRAY FOAM ABOVE WINDOW HEADS. COAT SPRAY FOAM WITH INTUMESCENT PAINT. SPRAY FOAM TRIMMED FLUSH WITH INSIDE FACE OF EXTERIOR WALL PRIOR TO INTUMESCENT PAINT. SEE IMAGES ON SHEET A503
7	PROVIDE FURRED OUT AND INSULATED WALL (SIM TO F2) FROM BOTTOM OF WINDOW SILL TO UNDERSIDE OF ROOF DECK. APPROX. HEIGHT OF 10'-0". SEE IMAGES ON SHEET A503
31	RATED WALL TO EXTEND TO DECKING ABOVE. GWB TO BE CONTINUOUS TO DECKING, BOTH SIDES. COORDINATE WITH EXISTING BEAM LOCATION
34	MASONRY INFILL IN EXISTING OPENING
37	PAINT STAIR STRINGERS, GUARDRAILS, HANDRAILS, AND UNDERSIDE OF TREADS AND LANDINGS (PT-6)
38	CONCRETE SEALER @ EXISTING CONCRETE TREADS AND LANDINGS

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

LICENSED ARCHITECT
SHANE J. LARSEN
001-025030
8/13/25
STATE OF ILLINOIS
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JMB — DRAWN
SLL — CHECKED
08/13/2025 — DATE

TITLE OF SHEET
3RD FLOOR PLAN
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A104**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **13** OF **66**

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2ND FLOOR DOOR SCHEDULE

DOOR NO.		DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR MATL & TYPE	DOOR FINISH	DOOR GLASS	FRAME MATL & TYPE	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL JAMB	DETAIL SILL	HARDWARE SET NO	LABEL	REMARKS
202	PR	2' - 8"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	3/A302	3/A302	3/A302	4/A302	9	- -	VERIFY DOOR WIDTH IN FIELD. SIGNAGE S5, SIGN TEXT: STORAGE
204		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	4/A302	3	- -	SIGNAGE S5, SIGNAGE TEXT: HOUSEKEEPING
207		3' - 0"	7' - 10"	WD : FG	ST-1	IG-2	HM : -/--	PT-7	2/A301	6/A301	6/A301	- -	5	- -	SEE 4/A502 FOR FRAME TYPE
210		3' - 0"	7' - 0"	WD : FG	ST-1	G-4	HM : F1	PT-7	4/A302	4/A302	4/A302	4/A302	6	- -	
211		3' - 0"	7' - 0"	WD : F	ST-1	- -	HM : F5	PT-7	2/A301	1/A301	1/A301	- -	7	- -	SIGNAGE S5, SIGNAGE TEXT: MEETING ROOM
212		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	4/A302	4/A302	4/A302	4/A302	1	- -	SIGNAGE S3
213		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	4/A302	4/A302	4/A302	4/A302	1	- -	SIGNAGE S3
214		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	4/A302	4/A302	4/A302	4/A302	1	- -	SIGNAGE S3, S4
215		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	1	- -	SIGNAGE S3
217		3' - 0"	7' - 0"	WD : F	ST-1	- -	HM : F5	PT-7	2/A301	1/A301	1/A301	- -	8	- -	SIGNAGE S5, SIGNAGE TEXT: OFFICE
221		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	4	- -	SIGNAGE S5, SIGNAGE TEXT: ELECTRICAL
222		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	4	- -	
N2		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	--	--	--	--	EX	--	SIGNAGE 6
S2		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	--	--	--	--	EX	--	SIGNAGE 6

2ND FLOOR DOOR SCHEDULE - OPTION 2

DOOR NO.		DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR MATL & TYPE	DOOR FINISH	DOOR GLASS	FRAME MATL & TYPE	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL JAMB	DETAIL SILL	SET NO	LABEL	REMARKS
203		3' - 0"	7' - 0"	WD : F	ST-1	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	4/A302	1	- -	SIGNAGE S3
219		3' - 0"	7' - 0"	WD : FG	ST-1	G-2	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	2	- -	
220		3' - 0"	7' - 0"	WD : FG	ST-1	G-2	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	2	- -	

2ND FLOOR DOOR SCHEDULE - OPTION 4

DOOR NO.		DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR MATL & TYPE	DOOR FINISH	DOOR GLASS	FRAME MATL & TYPE	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL JAMB	DETAIL SILL	SET NO	LABEL	REMARKS
209		3' - 0"	7' - 0"	WD : FG	- -	G-2	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	2	- -	

2ND FLOOR ROOM SCHEDULE

	ROOM NAME	FLOOR MATL	FLOOR FINISH	BASE MATL	CEILING MATL	CEILING FINISH	NORTH WALL MATL	NORTH WALL FINISH	EAST WALL MATL	EAST WALL FINISH	SOUTH WALL MATL	SOUTH WALL FINISH	WEST WALL MATL	WEST WALL FINISH	REMARKS
202	STORAGE	EX-CONC	-	VB-1	-	-	EX-MASONRY	-	GWB	PT-2	GWB	PT-2	GWB	PT-2	
204	JANITOR	EX-CONC	-	VB-1	-	-	EX-MASONRY	-	GWB	PT-2	GWB	PT-2/FRP1	GWB	PT-2	
205	KITCHENETTE	EX-CONC	LVT-1	VB-1	WD-1	PT-5 ABOVE	EX-MASONRY	-	-	-	GWB	PT-2	GWB	PT-7	
206	CORRIDOR	EX-CONC	LVT-1	VB-1	-	PT-5 ABOVE	EX-MASONRY	-	GWB	PT-2	EX-MASONR/GWB	PT-2	-	-	BASE AT GWB WALLS ONLY
207	PRIVATE COLLAB	EX-CONC	SEALER	VB-1	WD-1	PT-5 ABOVE	EX-MASONRY	-	GWB	PT-2	EX-MASONRY	-	GWB	PT-2	SWITCH FLOOR FINISH FOR OPTION 3
208	DISPLAY	EX-CONC	SEALER	VB-1	-	PT-5 ABOVE	EX-GWB	PT-2	EX-GWB	PT-2	EX-MASONRY	-	EX-GWB	PT-2	SWITCH FLOOR FINISH FOR OPTION 3
212	RR	EX-CONC	CT-1	-	ACT-2	-	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	
213	RR	EX-CONC	CT-1	-	ACT-2	-	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	
214	RR	EX-CONC	CT-1	-	ACT-2	-	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	PROVIDE WATERPROOFIN MEMBRANE UNDER TILE
215	RR	EX-CONC	CT-1	-	ACT-2	-	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	
216	CORRIDOR	EX-CONC	LVT-1	VB-1	ACT-2	PT-5 ABOVE	EX-MASONRY	-	GWB	PT-2	EX-GWB	PT-2	GWB	PT-2	
221	ELEC	EX-CONC	-	-	-	-	EX-MASONRY	-	EX-GWB	-	GWB	-	GWB	-	
222	AV	EX-CONC		-	-	-	EX-MASONRY	-	EX-MASONRY	-	GWB	-	GWB	-	
230	ELEVATOR	-	LVT-1	-	-	-	-	-	-	-	-	-	-	-	ALL OTHER FINISHES PROVIDED THRU ELEVATOR MFR

2ND FLOOR ROOM SCHEDULE - OPTION 2

	ROOM NAME	FLOOR MATL	FLOOR FINISH	BASE MATL	CEILING MATL	CEILING FINISH	NORTH WALL MATL	NORTH WALL FINISH	EAST WALL MATL	EAST WALL FINISH	SOUTH WALL MATL	SOUTH WALL FINISH	WEST WALL MATL	WEST WALL FINISH	REMARKS
201	NPS KITCHENETTE	EX-CONC	LVT-1	VB-1	ACT-1	-	GWB	PT-2	GWB	PT-2	GWB	PT-7	GWB	PT-2	BASE AT GWB WALLS ONLY
203	NPS RR	EX-CONC	CT-1	CT-1	ACT-2	-	GWB	PT1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	GWB	CT-2/PT-1	
217	NPS OFFICES	EX-CONC	SEALER	VB-1	ACT-1	PT-5 ABOVE	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	SWITCH FLOOR FINISH FOR OPTION 3
218	OPEN NPS COLLAB	EX-CONC	SEALER	VB-1	ACT-1	PT-5 ABOVE	GWB	PT-3	GWB	-	GWB	PT-2	EX-GWB	PT-7	SWITCH FLOOR FINISH FOR OPTION 3
219	ASST SUPT	EX-CONC	SEALER	VB-1	ACT-1	PT-5 ABOVE	GWB	PT-2	GWB	PT-2	GWB	PT-2	EX-GWB	PT-2	SWITCH FLOOR FINISH FOR OPTION 3
220	SUPT	EX-CONC	SEALER	VB-1	ACT-1	PT-5 ABOVE	GWB	PT-2	GWB	PT-2	EX-GWB	PT-2	EX-GWB	PT-2	SWITCH FLOOR FINISH FOR OPTION 3

2ND FLOOR ROOM SCHEDULE - OPTION 3

	ROOM NAME	FLOOR MATL	FLOOR FINISH	BASE MATL	CEILING MATL	CEILING FINISH	NORTH WALL MATL	NORTH WALL FINISH	EAST WALL MATL	EAST WALL FINISH	SOUTH WALL MATL	SOUTH WALL FINISH	WEST WALL MATL	WEST WALL FINISH	
207	PRIVATE COLLAB		CPT-1												SEE 2ND FLOOR ROOM SCHEDULE FOR BASE, CEILING, & WALL FINISHES
208	DISPLAY		CPT-1												SEE 2ND FLOOR ROOM SCHEDULE FOR BASE, CEILING, & WALL FINISHES
217	NPS OFFICE		CPT-1												SEE 2ND FLOOR ROOM SCHEDULE FOR BASE, CEILING, & WALL FINISHES
218	NPS COLLAB		CPT-1												SEE 2ND FLOOR ROOM SCHEDULE FOR BASE, CEILING, & WALL FINISHES
219	ASST SUPT		CPT-1												SEE 2ND FLOOR ROOM SCHEDULE FOR BASE, CEILING, & WALL FINISHES
220	SUPT		CPT-1												SEE 2ND FLOOR ROOM SCHEDULE FOR BASE, CEILING, & WALL FINISHES

2ND FLOOR ROOM SCHEDULE - OPTION 4

	ROOM NAME	FLOOR MATL	FLOOR FINISH	BASE MATL	CEILING MATL	CEILING FINISH	NORTH WALL MATL	NORTH WALL FINISH	EAST WALL MATL	EAST WALL FINISH	SOUTH WALL MATL	SOUTH WALL FINISH	WEST WALL MATL	WEST WALL FINISH	REMARKS
209	PARTNER EXEC OFFICE	EX-CONC	CPT-1	VB-1	ACT-1	PT-5 ABOVE	GWB	PT-2	EX-GWB	PT-2	GWB	PT-2	GWB	PT-2	
210	OPEN COLLAB	EX-CONC	CPT-1	VB-1	ACT-1	PT-5 ABOVE	GWB	PT-2	EX-GWB	PT-2	EX-GWB	PT-2	GWB	PT-2/PT-7	
211	PARTNER OFFICE	EX-CONC	CPT-1	VB-1	ACT-1	PT-5 ABOVE	GWB	PT-2	GWB	PT-2	GWB	PT-2	GWB	PT-2	

EQUIPMENT SCHEDULE

EQUIP	EQUIPMENT NAME	PROVIDED BY OWNER	PROVIDED BY CONTR	INSTALLED BY OWNER	INSTALLED BY CONTR	REMARKS
E5	COPIER	X		X		
E5	COPIER	X		X		
E4	DISHWASHER	X		X		
E3	MICROWAVE	X		X		
E8	PROJECTOR	X		X		
E8	PROJECTOR	X		X		
E2	REFRIGERATOR	X		X		
	TV					
E6	TV	X		X		
	TV MOUNTING BRACKET					
E6	TV MOUNTING BRACKET	X		X		
E1	WASHER & DRYER (STACKED)	X		X		

GLASS TYPES

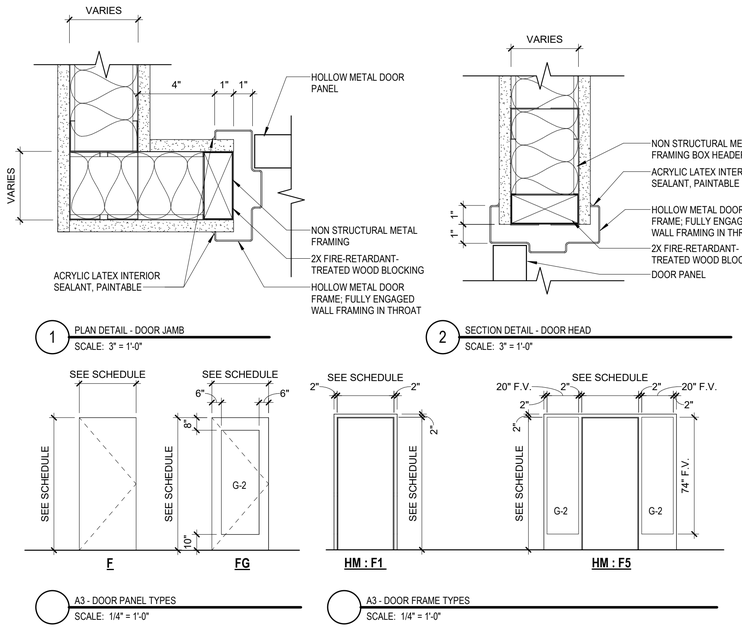
G-1	1/4" CLEAR, FLOAT GLASS
G-2	1/4" CLEAR, TEMPERED FLOAT GLASS
G-3	1/4" CLEAR, 60 MIN FIRE-RATED, TEMPERED GLASS
G-4	1/4" OBSCURED, TEMPERED
IG-1	1" INSULATED, CLEAR
IG-2	1" INSULATED, CLEAR, TEMPERED
IG-3	1" SPANDREL GLASS

3RD FLOOR DOOR SCHEDULE - OPTION 6

DOOR NO.		DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR MATL & TYPE	DOOR FINISH	DOOR GLASS	FRAME MATL & TYPE	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL JAMB	DETAIL SILL	SET NO	LABEL	REMARKS
303		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	11	20 MIN.	SIGNAGE S5, SIGNAGE TEXT: NPS STORAGE
305		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	1	- -	SIGNAGE S3
306		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	1	- -	SIGNAGE S3, S4
307		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	1	- -	SIGNAGE S3
308		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	1	- -	SIGNAGE S3
311		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	7	- -	
311 -B		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301		7		
312		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	4	- -	PROVIDE IN BASE BID; SIGNAGE S5, SIGNAGE TEXT: ELECTRICAL
313		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	3	- -	SIGNAGE S5, SIGNAGE TEXT: HOUSEKEEPING
315 -A		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	7	- -	
315 -B		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	3/A302	3/A302	3/A302	- -	7	- -	
317	PR	3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	- -	10	20 MIN.	SIGNAGE S5, SIGNAGE TEXT: NPS STORAGE
319		3' - 0"	7' - 0"	HM : F	PT-7	- -	HM : F1	PT-7	2/A301	1/A301	1/A301	--	4		PROVIDE IN BASE BID; SIGNAGE S5, SIGNAGE TEXT: MECHANICAL

3RD FLOOR ROOM SCHEDULE - OPTION 6

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR FINISH	BASE MATL	CEILING MATL	CEILING FINISH	NORTH WALL MATL	NORTH WALL FINISH	EAST WALL MATL	EAST WALL FINISH	SOUTH WALL MATL	SOUTH WALL FINISH	WEST WALL MATL	WEST WALL FINISH	REMARKS
301	ROOF ACCESS	EX-CONC	-	-	EX	-	EX-MASONRY	-	EX-MASONRY	-	EX-MASONRY	-	EX-GWB	-	
302	NPS STORAGE	EX-CONC	-	-	EX	-	EX-MASONRY	-	EX-MASONRY	-	EX-MASONRY	-	EX-GWB	-	
303	NPS STORAGE	EX-CONC	-	RB-1	EX	-	EX-MASONRY	-	GWB	PT-2	EX-MASONRY	-	EX-MASONRY	-	PAINT ONLY NEW GWB WALLS, BASE @ GWB WALLS ONLY
304	CORRIDOR	EX-CONC	LVT-1	-	EX	PT4	EX-MASONRY	-	GWB	PT-2	EX-MASONRY	-	GWB	PT-2	PAINT ONLY NEW GWB WALLS
305	RR	EX-CONC	CT-1	-	ACT-2	-	CT-2/PT-1	-	CT-2/PT-1	-	CT-2/PT-1	-	CT-2/PT-1	-	
306	RR	EX-CONC	CT-1	-	ACT-2	-	CT-2/PT-1	-	CT-1CT-2/PT-1	-	CT-2/PT-1	-	CT-2/PT-1	-	
307	RR	EX-CONC	CT-1	-	ACT-2	-	CT-2/PT-1	-	CT-2/PT-1	-	CT-2/PT-1	-	CT-2/PT-1	-	
308	RR	EX-CONC	CT-1	-	ACT-2	-	CT-2/PT-1	-	CT-2/PT-1	-	CT-2/PT-1	-	CT-2/PT-1	-	
309	CORRIDOR	EX-CONC	LVT-1	RB-1	EX	-	EX-MASONRY	-	EX-GWB	-	EX-MASONRY	-	GWB	-	BASE AT GWB WALLS ONLY
310	NPS STORAGE	EX-CONC	-	RB-1	EX	-	EX-GWB	-	GWB	PT-2	EX-MASONRY	-	EX-GWB	-	BASE AT GWB WALLS ONLY
311	LEASE AREA	EX-CONC	-	-	EX	-	EX-GWB	-	EX-GWB	-	EX-MASONRY	-	GWB	-	PRIME WALLS FOR PAINT
312	ELEC	EX-CONC	-	-	EX	-	EX-MASONRY	-	EX-MASONRY	-	EX-MASONRY	-	GWB	-	
315	LEASE AREA	EX-CONC	-	-	EX	-	EX-MASONRY	-	EX-GWB	-	EX-MASONRY	-	GWB	-	PRIME WALLS FOR PAINT
316	CORRIDOR	EX-CONC	LVT-1	-	EX	PT4	EX-MASONRY	-	GWB	PT-2	EX-GWB	PT-2	GWB	PT-2	PAINT ONLY NEW GWB WALLS
317	NPS STORAGE	EX-CONC	-	RB-1	EX	-	EX-MASONRY	-	GWB	PT-2	EX-GWB	-	EX-GWB	-	BASE AT GWB WALLS ONLY



WINDOW SHADE SCHEDULE

WINDOW NUMBER	WIDTH	HEIGHT	MOTOR OPERATED	MANUAL	SHADE OPENESS	OPTION
W200	4'-3"	11'-9"	X		0%	BASE BID
W201	6'-1"	12'-6"	X		0%	BASE BID
W202	4'-3"	11'-9"	X		0%	BASE BID
W203	5'-0"	11'-9"	X		0%	BASE BID
W204	3'-6"	10'-0"		X	0%	2
W205	3'-6"	10'-0"		X	0%	2
W206	5'-0"	11'-9"		X	0%	2
W207	4'-3"	11'-9"		X	0%	2
W208	6'-1"	12'-6"		X	0%	2
W209	4'-3"	11'-9"		X	0%	2
S200	3'-2"	11'-9"		X	0%	2
S201	3'-2"	11'-9"		X	0%	2
S202	3'-2"	7'-3"	X		5%	2
S203	3'-2"	7'-3"	X		5%	2
S204	4'-0"	5'-4"				NOT IN SCOPE
S205	4'-0"	5'-4"				
S206	4'-0"	5'-4"	X		5%	BASE BID
S207	4'-0"	5'-4"	X		5%	4
S208	4'-0"	5'-4"	X		5%	4
S209	4'-0"	5'-4"	X		5%	4
S210	4'-0"	5'-4"	X		5%	4
S211	4'-0"	5'-4"	X		5%	4
E200	3'-8"	11'-0"		X	0%	4
E201	5'-10"	11'-0"		X	0%	4
E202	3'-8"	11'-0"		X	0%	4
E203	3'-8"	11'-0"		X	0%	4
E204	5'-10"	11'-0"		X	0%	4
E205	3'-8"	11'-0"		X	0%	4
E206	5'-3"	10'-2"		X	0%	BASE BID
E207	5'-3"	10'-2"		X	0%	BASE BID
E208	3'-8"	11'-0"	X		0%	BASE BID
E209	5'-10"	11'-0"	X		0%	BASE BID
E210	3'-8"	11'-0"	X		0%	BASE BID
E211	3'-8"	11'-0"	X		0%	BASE BID
E212	5'-10"	11'-0"				NOT IN SCOPE
E213	3'-8"	11'-0"				
N200	3'-2"	11'-9"	X		0%	BASE BID
N201	3'-2"	11'-9"	X		0%	BASE BID
N202	3'-2"	7'-3"	X		0%	BASE BID
N203	3'-2"	7'-3"	X		0%	BASE BID
N204	4'-0"	5'-4"	X		0%	BASE BID
N205	4'-0"	5'-4"	X		0%	BASE BID
N206	4'-0"	5'-4"	X		0%	BASE BID
N207	4'-0"	5'-4"	X		0%	BASE BID
N208	4'-0"	5'-4"				NOT IN SCOPE
N209	4'-0"	5'-4"				
N210	4'-0"	5'-4"				

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

SHANE LARSEN
001-025030
8/13/25
LICENSED ARCHITECT
STATE OF ILLINOIS
LICENSE EXP. 11/01/2026

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REVISED DATE	REVISED INITIAL

PREPARED
JMB DESIGNED
JMB DRAWN
SLL CHECKED
08/13/2025 DATE

TITLE OF SHEET
SCHEDULES, DOOR AND WINDOW DETAILS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A301**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **14** OF **66**

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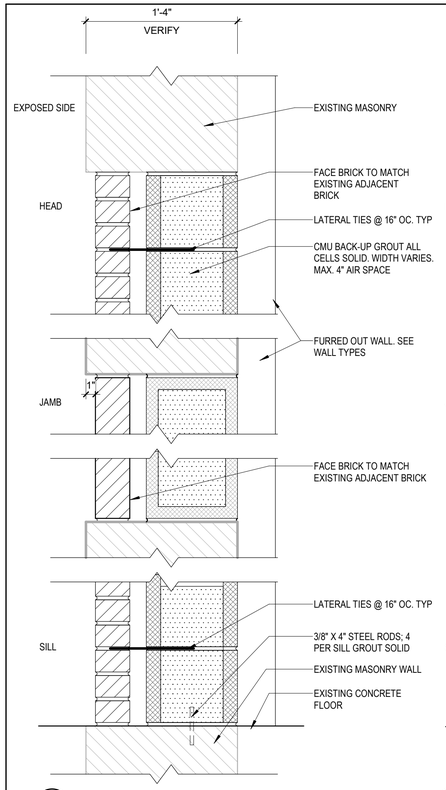
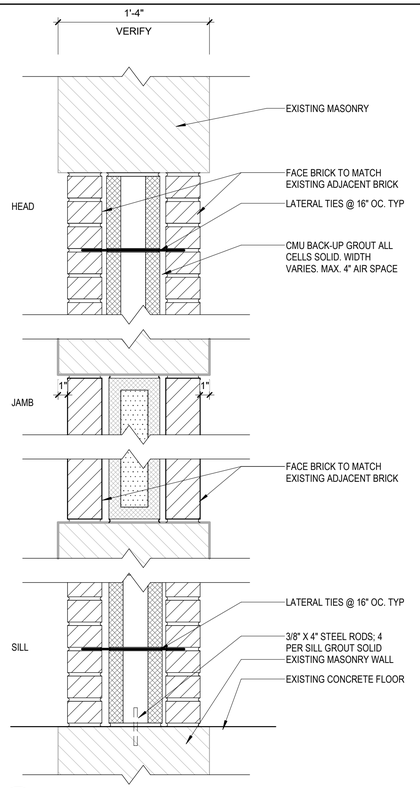


1 MASONRY INFILL 1
SCALE: 1 1/2" = 1'-0"



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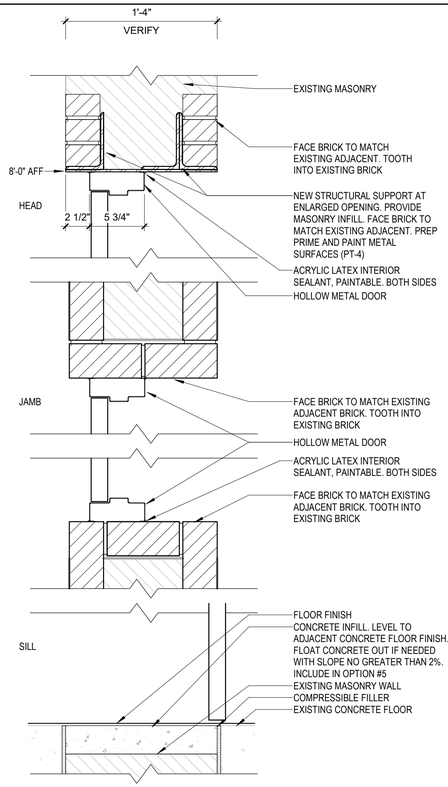
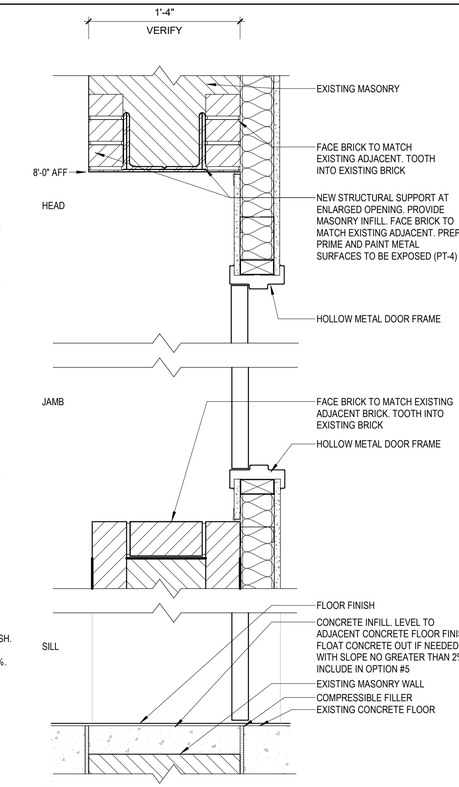
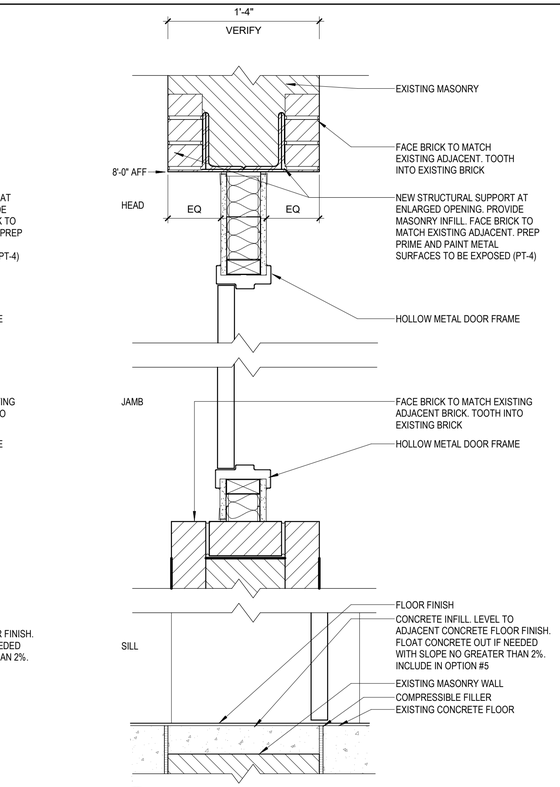


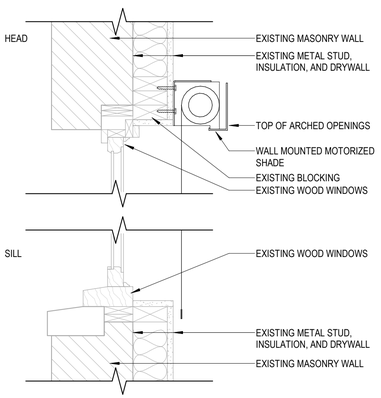
3 MASONRY INFILL 3
SCALE: 1 1/2" = 1'-0"



4 MASONRY INFILL 4
SCALE: 1 1/2" = 1'-0"

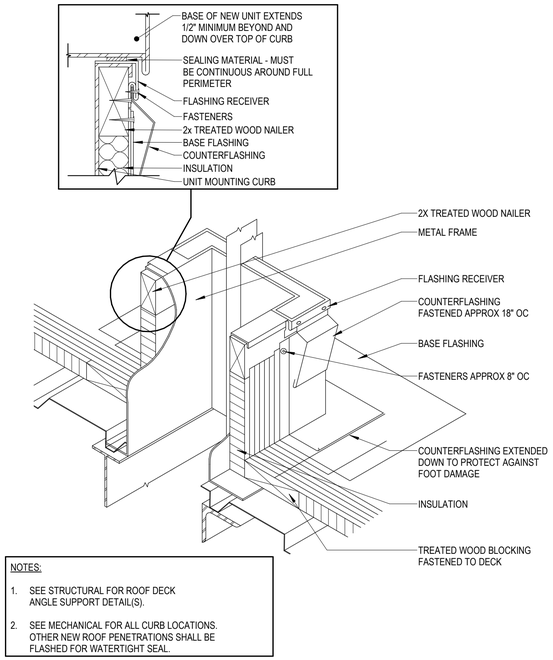


5 MASONRY INFILL 5
SCALE: 1 1/2" = 1'-0"



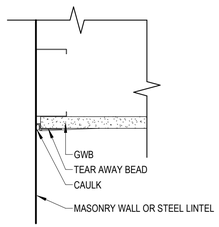
NOTE:
1. TOP OF WALL MOUNTED SHADE TO MATCH HEIGHT OF OTHER WALL MOUNTED SHADES WHEN IN SAME ROOM
2. SILL WIDTH TO EXTEND 3" @ EACH SIDE OF WINDOW OPENING WHERE POSSIBLE.

6 WINDOW DETAIL
SCALE: 1 1/2" = 1'-0"



NOTES:
1. SEE STRUCTURAL FOR ROOF DECK ANGLE SUPPORT DETAIL(S).
2. SEE MECHANICAL FOR ALL CURB LOCATIONS. OTHER NEW ROOF PENETRATIONS SHALL BE FLASHED FOR WATERTIGHT SEAL.

7 MEMBRANE ROOF CURB
SCALE: 1 1/2" = 1'-0"



8 DRYWALL TO MASONRY - TYP
SCALE: 3" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

LICENSED ARCHITECT SHANE L LARSEN 001-025030 8/13/25 STATE OF ILLINOIS
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DATE	INITIAL

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JMB DESIGNED
JMB DRAWN
Checker CHECKED
08/13/2025 DATE

TITLE OF SHEET
DETAILS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A302**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **15** OF **66**

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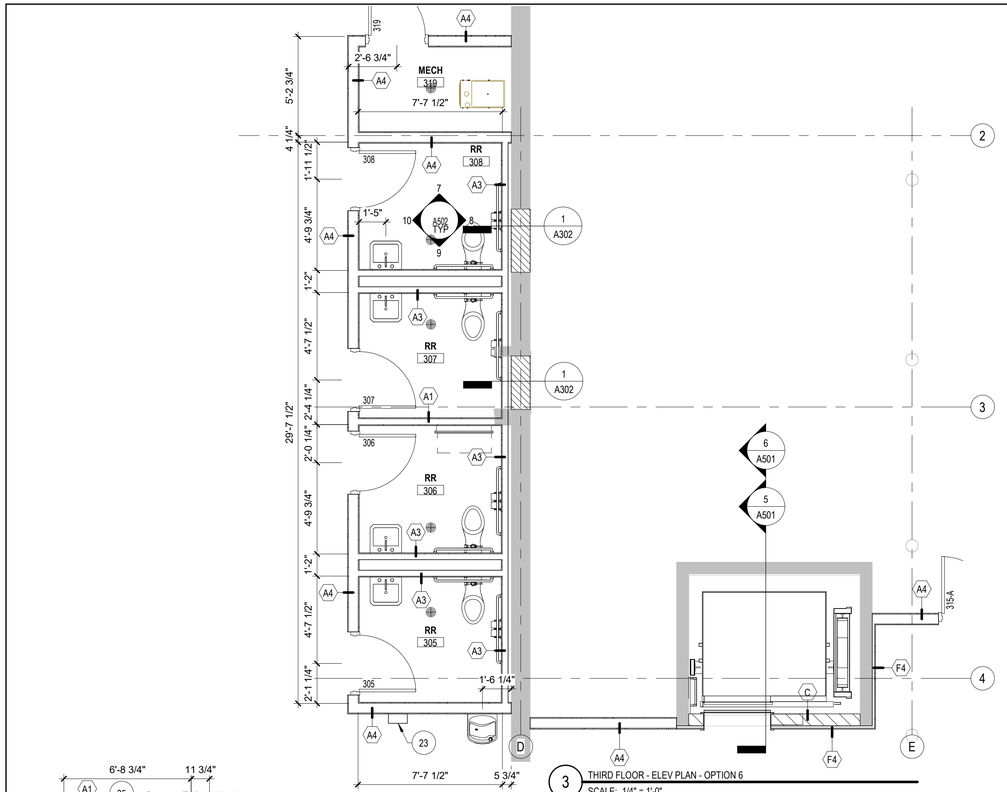
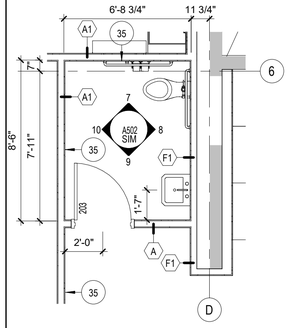
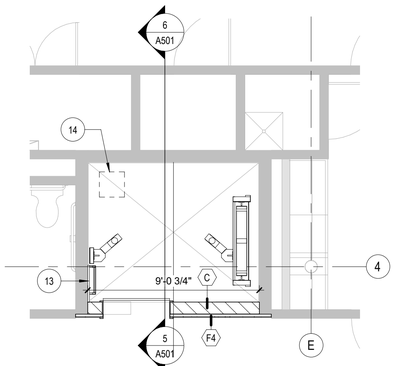


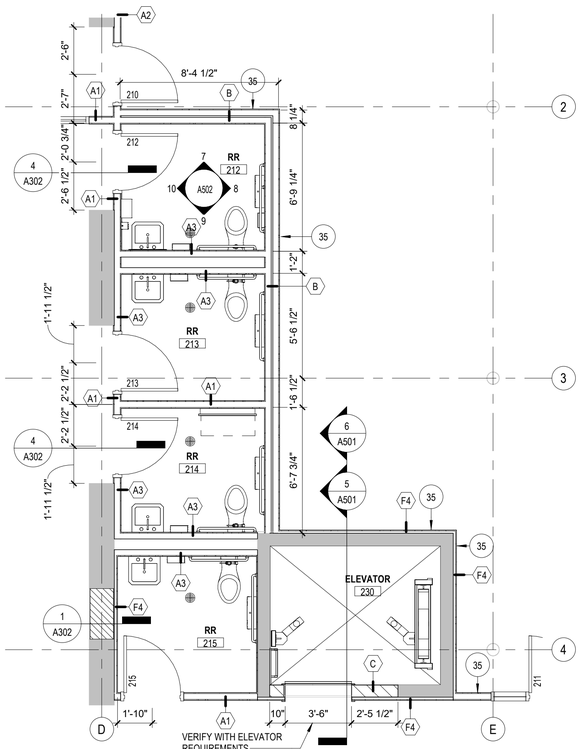
3 THIRD FLOOR - ELEV PLAN - OPTION 6
SCALE: 1/4" = 1'-0"



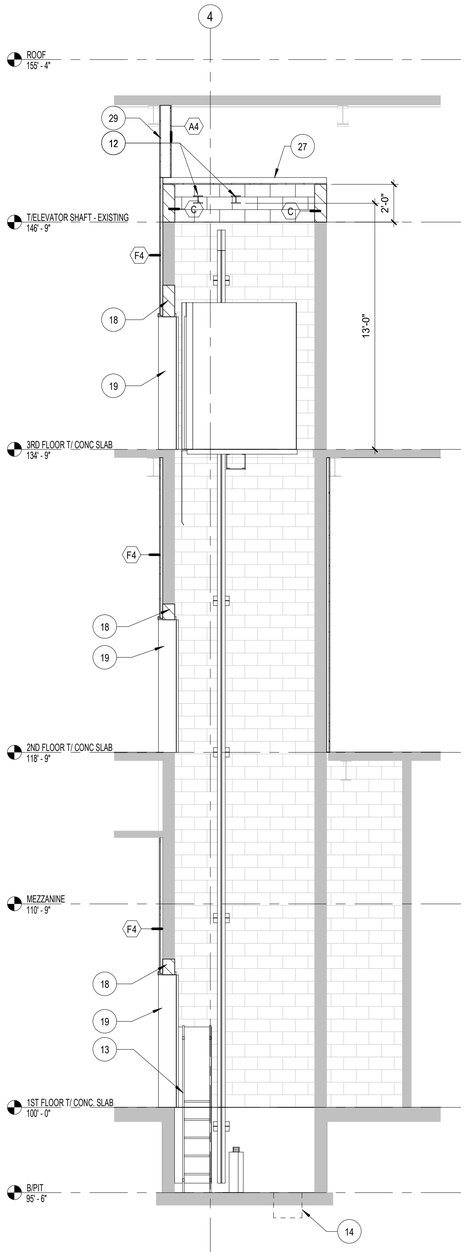
4 NPS RR ENLARGED PLAN - OPTION 2
SCALE: 1/4" = 1'-0"



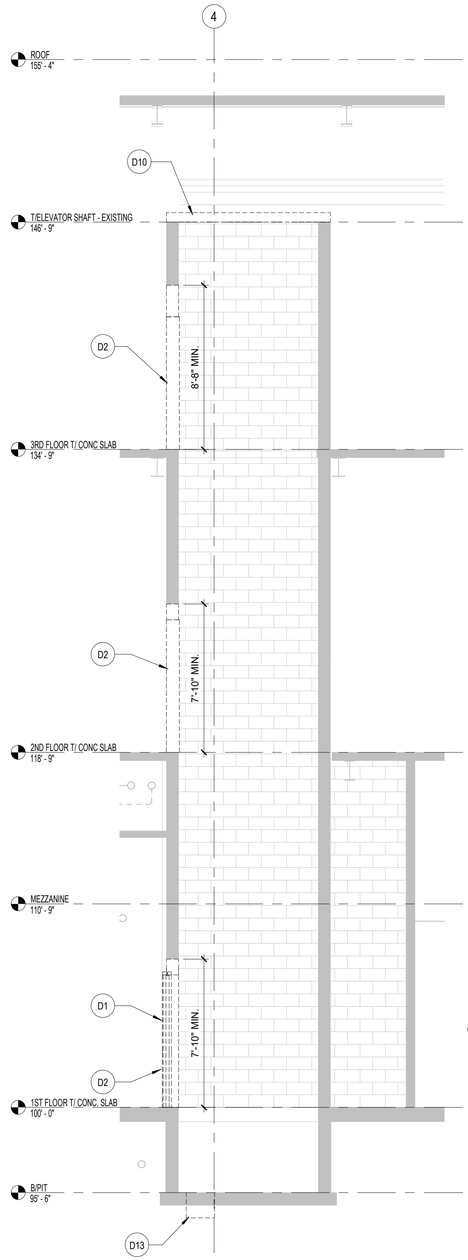
1 FIRST FLOOR - ELEV PLAN
SCALE: 1/4" = 1'-0"



2 SECOND FLOOR - ELEV PLAN
SCALE: 1/4" = 1'-0"



5 SECTION AT ELEVATOR
SCALE: 1/4" = 1'-0"



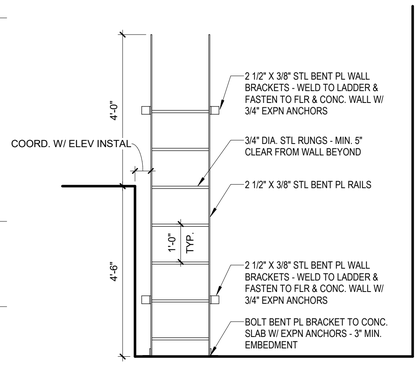
6 SECTION AT ELEVATOR - DEMOLITION
SCALE: 1/4" = 1'-0"

ARCHITECTURAL DEMO NOTES

- **D1** REMOVE DOOR AND FRAME
- **D2** REMOVE EXISTING WALL/CMU INFILL. COORDINATE ROUGH OPENING WITH ELEVATOR REQUIREMENTS. SEE STRUCTURE FOR HEADER DETAILS. SEE STRUCTURE FOR HEADER DETAILS
- **D10** REMOVE NON STRUCTURAL METAL FRAMING AND GWB ELEVATOR CEILING
- **D13** FILL EXISTING SUMP PIT WITH CONCRETE. SEE PLUMBING FOR SUMP PUMP RELOCATION

ARCHITECTURAL REFERENCE NOTES

- **12** HOISTWAY BEAMS: LIFE-LINE BEAM (5000 LB NET LIVE LOAD & STANDARD HOISTWAY BEAM (7500 LBS NET LIVE LOAD). SEE STRUCTURAL
- **13** STEEL PIT LADDER
- **14** RELOCATED SUMP PIT LOCATION. COORDINATE WITH ELEVATOR CONFIGURATION . SEE PLUMBING
- **18** BOND BEAM. SEE STRUCTURAL
- **19** PREFIN. ELEVATOR DOOR AND FRAME
- **23** RELOCATED AUTOMATED EXTERNAL DEFIBRILLATOR
- **27** CONCRETE OVER NON-COMPOSITE DECK. 2HR RATED PER UL DESIGN NO. D988
- **29** EXTEND WALL TYPE A4 FROM TOP OF ELEVATOR SHAFT TO UNDERSIDE OF ROOF ASSEMBLY
- **35** PROVIDE ELECTRICAL, GRAB BAR BLOCKING, BACKING BOARD, AND GWB IN BASE BID



NOTE: PIT LADDER TO BE SHOP PRIMED AND PAINTED

7 PIT LADDER DETAIL
SCALE: 1/2" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

LICENSED ARCHITECT — SHANE L. LARSEN — 001-025030 — 8/13/25 — STATE OF ILLINOIS
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JMB	DESIGNED
JMB	DRAWN
SLL	CHECKED
08/13/2025	DATE

TITLE OF SHEET
ENLARGED ELEVATOR PLANS & SECTIONS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A501**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. 307087
SHEET 16 OF 66

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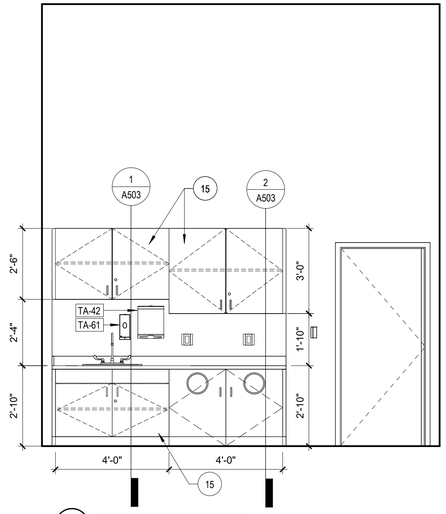
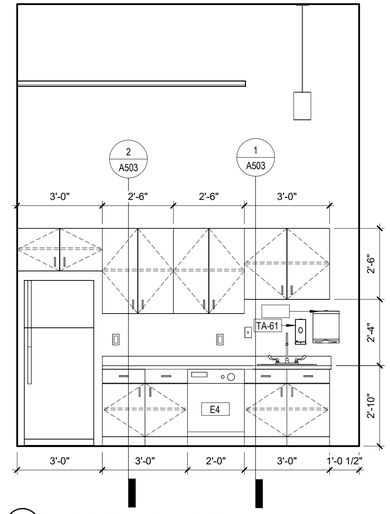
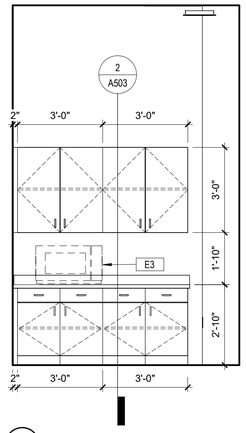


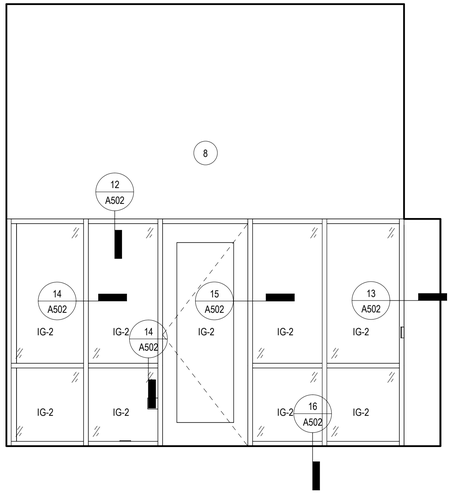
1 KITCHENETTE MILLWORK ELEVATION
SCALE: 3/8" = 1'-0"



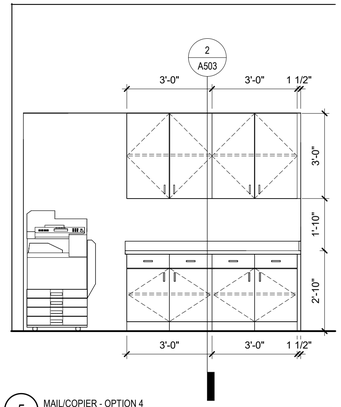
2 NPS KITCHENETTE MILLWORK ELEV 1 - OPTION 2
SCALE: 3/8" = 1'-0"



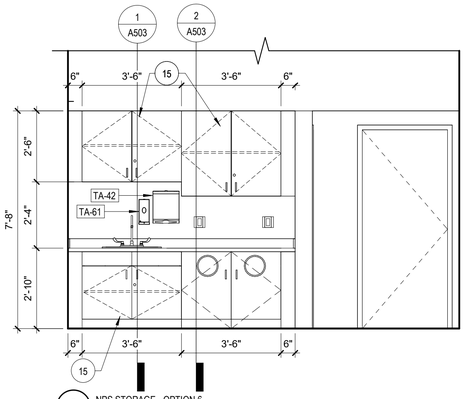
3 NPS KITCHENETTE MILLWORK ELEV 2 - OPTION 2
SCALE: 3/8" = 1'-0"



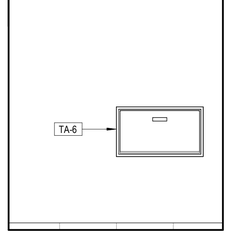
4 CONFERENCE ROOM ENTRY
SCALE: 3/8" = 1'-0"



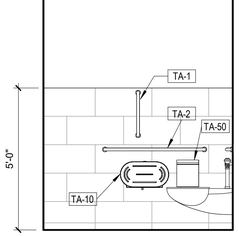
5 MAIL/COPIER - OPTION 4
SCALE: 3/8" = 1'-0"



6 NPS STORAGE - OPTION 6
SCALE: 3/8" = 1'-0"



7 RESTROOM ELEV 1 - TYP
SCALE: 3/8" = 1'-0"



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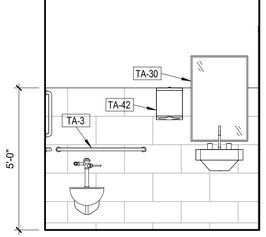
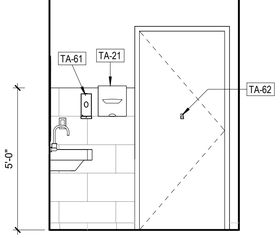
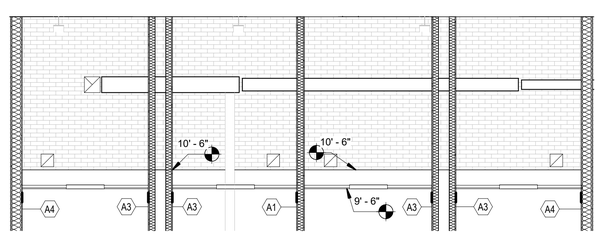


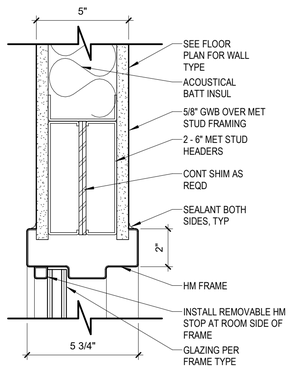
9 RESTROOM ELEV 3 - TYP
SCALE: 3/8" = 1'-0"



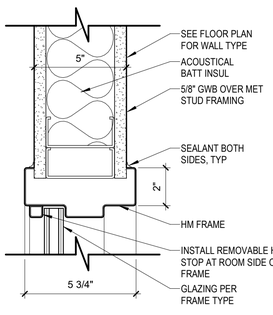
10 RESTROOM ELEV 4 - TYP
SCALE: 3/8" = 1'-0"



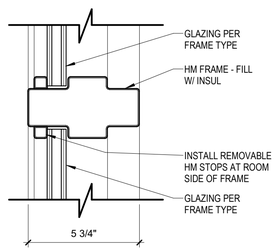
11 RESTROOM CEILING SECTION @ 3RD LEVEL - OPTION 6
SCALE: 1/4" = 1'-0"



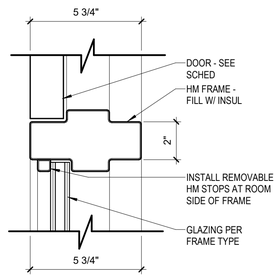
12 SECTION DETAIL - HM HEAD
SCALE: 3" = 1'-0"



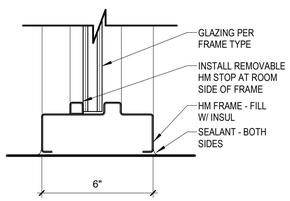
13 PLAN DETAIL - HM JAMB
SCALE: 3" = 1'-0"



14 HM MULLION DETAIL
SCALE: 3" = 1'-0"



15 HM MULLION DETAIL @ DOOR
SCALE: 3" = 1'-0"



16 SECTION DETAIL - HM SILL
SCALE: 3" = 1'-0"

ARCHITECTURAL REFERENCE NOTES

8	WALL TYPE A1 ABOVE GLASS PARTITION
15	LOCKABLE CABINETS AND DRAWERS

TOILET ACCESSORIES (TA-X):

NUMBER	DESCRIPTION
TA-1	VERTICAL 18" GRAB BAR
TA-2	HORIZONTAL 42" GRAB BAR
TA-3	HORIZONTAL 36" GRAB BAR
TA-6	CHANGING STATION, PROIVDE IN RR 214 & 306 ONLY
TA-10	TOILET PAPER DISPENSER (DOUBLE ROLL)
TA-11	TOILET PAPER DISPENSER (SINGLE ROLL)
TA-21	HAND DRYER
TA-30	3'-0" X 2'-0" MIRROR
TA-42	SURFACE MOUNTED PAPER TOWEL DISPENSER
TA-50	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
TA-61	WALL MOUNTED AUTOMATIC SOAP DISPENSER
TA-62	COAT HOOK
TA-63	UTILITY SHELF W/ MOP & BROOM HOLDER

MOUNTING HEIGHTS ARE BASED OFF 2017 ABAAS

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

LICENSED ARCHITECT SHANE L LARSEN 001-025030 8/13/25 STATE OF ILLINOIS
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DATE	INITIAL

PREPARED	
JMB	DESIGNED
JMB	DRAWN
SLL	CHECKED
08/13/2025	DATE

TITLE OF SHEET
ENLARGED PLANS & INTERIOR ELEVATIONS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A502**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **17** OF **66**

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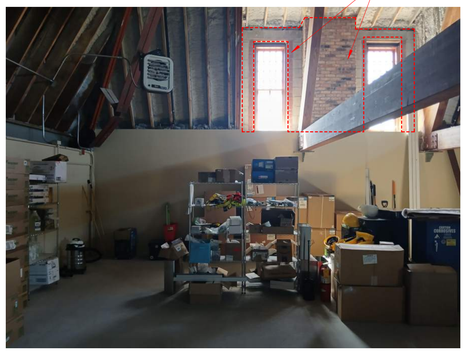
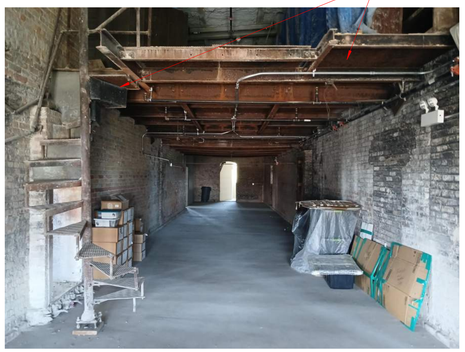
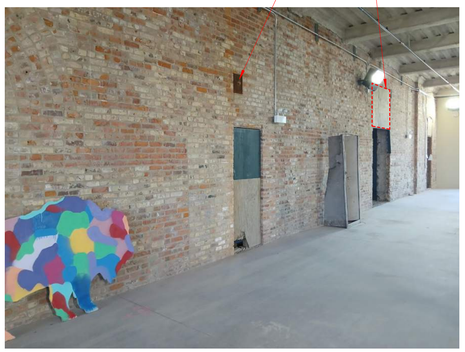
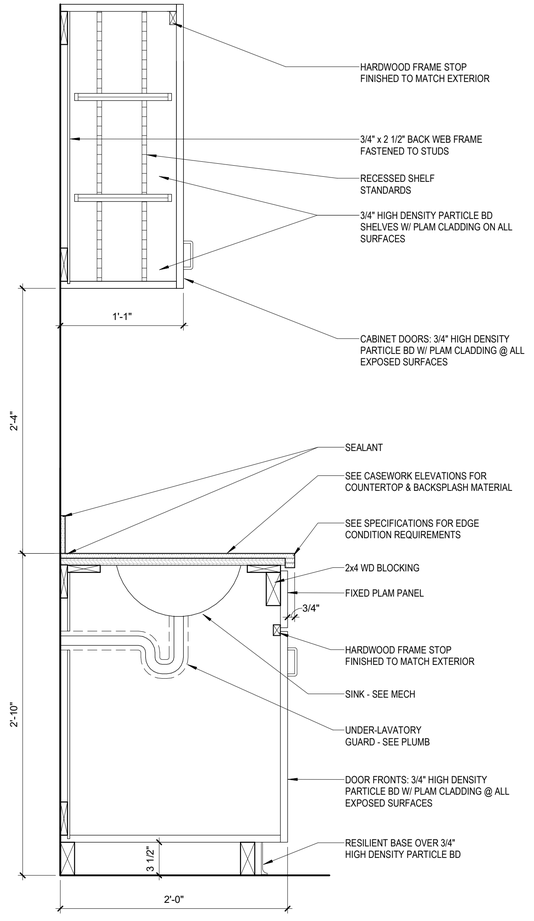


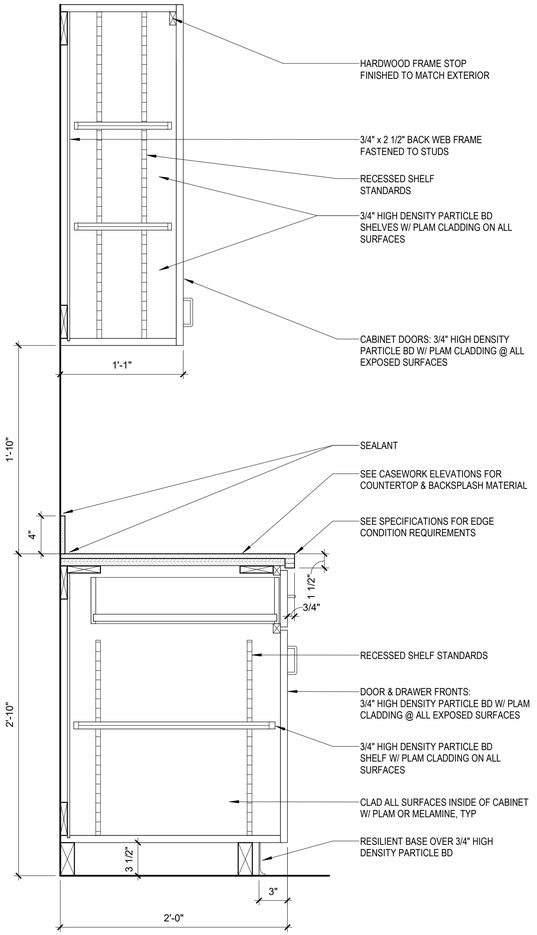




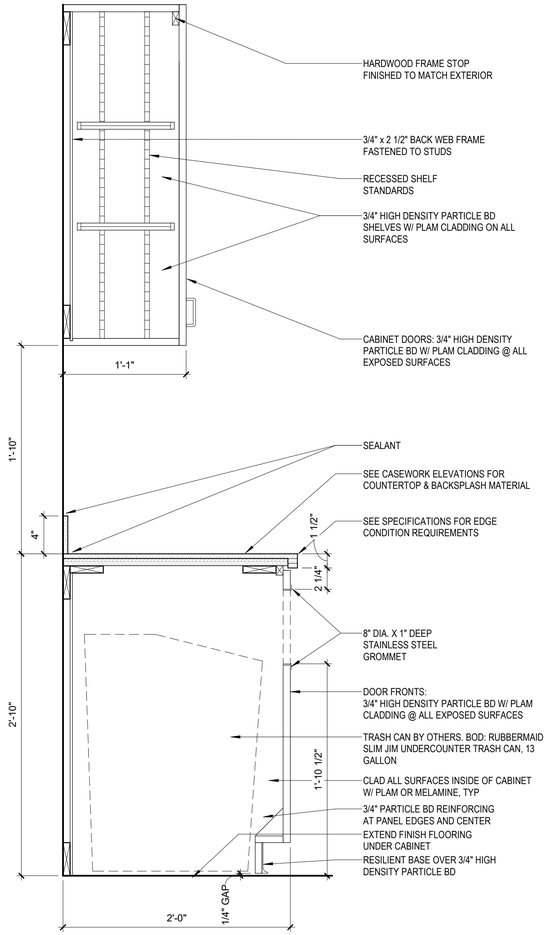
IMAGES
SCALE: 12" = 1'-0"



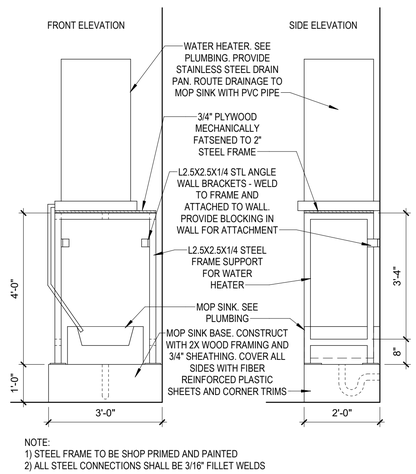
1 CABINET SECTION 1
SCALE: 1 1/2" = 1'-0"



2 CABINET SECTION 2
SCALE: 1 1/2" = 1'-0"



3 CABINET SECTION 3
SCALE: 1 1/2" = 1'-0"



NOTE:
1) STEEL FRAME TO BE SHOP PRIMED AND PAINTED
2) ALL STEEL CONNECTIONS SHALL BE 3/16" FILLET WELDS

4 UTILITY SINK & WATER HEATER SUPPORT
SCALE: 1/2" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

LICENSED ARCHITECT — SHANE L. LARSEN — 001-025030 — 8/13/25 — STATE OF ILLINOIS
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JMB — DESIGNED
JMB — DRAWN
SLL — CHECKED
08/13/2025 — DATE

TITLE OF SHEET
INTERIOR ELEVATIONS, DETAILS, & IMAGES
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A503**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **18** OF **66**

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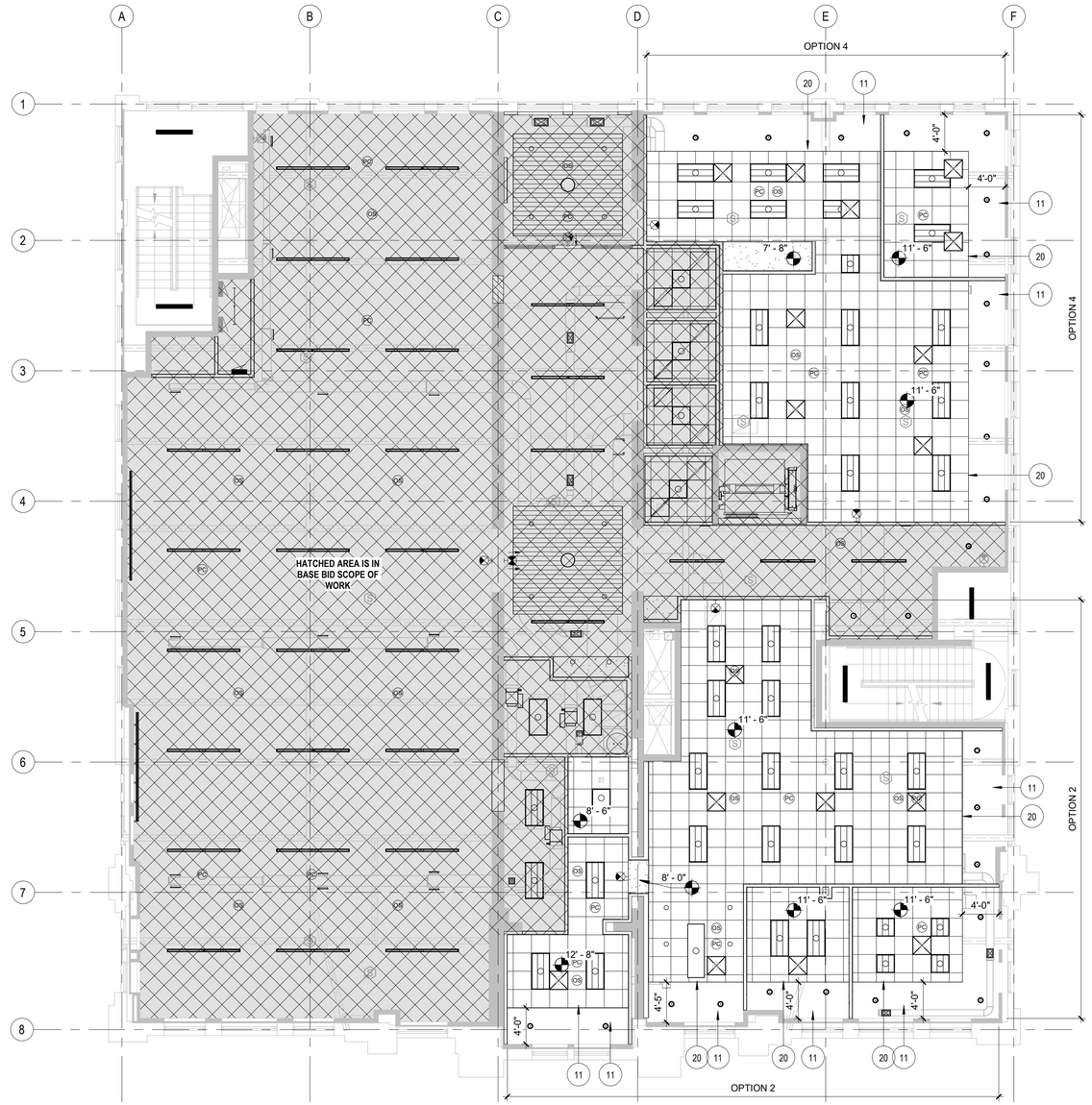
1 SECOND FLOOR - REFLECTED CEILING
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR - REFLECTED CEILING - OPTIONS 2 & 4
SCALE: 1/8" = 1'-0"

LEGEND:

FOR CEILING HEIGHTS, SEE ROOM FINISH SCHEDULE

- NEW 2x2 LAY-IN CEILING GRID AND PADS
- CONTROL JOINT (CJ)
- GYPSUM BOARD CEILING
- WOOD PANEL CEILING
- LIGHT FIXTURES (SEE ELECTRICAL)
- GRILLES AND DIFFUSERS (SEE MECHANICAL)
- FIRE ALARM STROBE, SEE ELEC
- FIRE ALARM SPEAKER, SEE ELEC
- FIRE ALARM SPEAKER STROBE, SEE ELEC
- OCCUPANCY SENSOR, SEE ELEC
- FIRE ALARM HORN, SEE ELEC
- FIRE ALARM HORN STROBE, SEE ELEC
- SMOKE DETECTOR, SEE ELEC
- SPEAKER, SEE ELEC
- EXIT SIGN, SEE ELEC

ARCHITECTURAL REFERENCE NOTES

11 ALL DUCTWORK TO BE PAINTED. PAINT UNDERSIDE OF FIREPROOFING @ 3RD FLOOR DECK (2ND FLOOR CEILING), BEAMS, AND COLUMNS. IN ROOMS WITH ACT CEILINGS PAINT EXTENDS IN MIN. 4' FROM EDGE OF SUSPENDED CEILING (APPROX. 8' IN FROM EXTERIOR WALL)

20 EDGE TRIM @ SUSPENDED CEILING

NORTH

LICENSED ARCHITECT SHANE LARSEN 001-025030 8/13/25 STATE OF ILLINOIS
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JMB DRAWN
SLL CHECKED
08/13/2025 DATE

TITLE OF SHEET
REFLECTED CEILING PLANS AND DETAILS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION

11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A601**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **19** OF **66**

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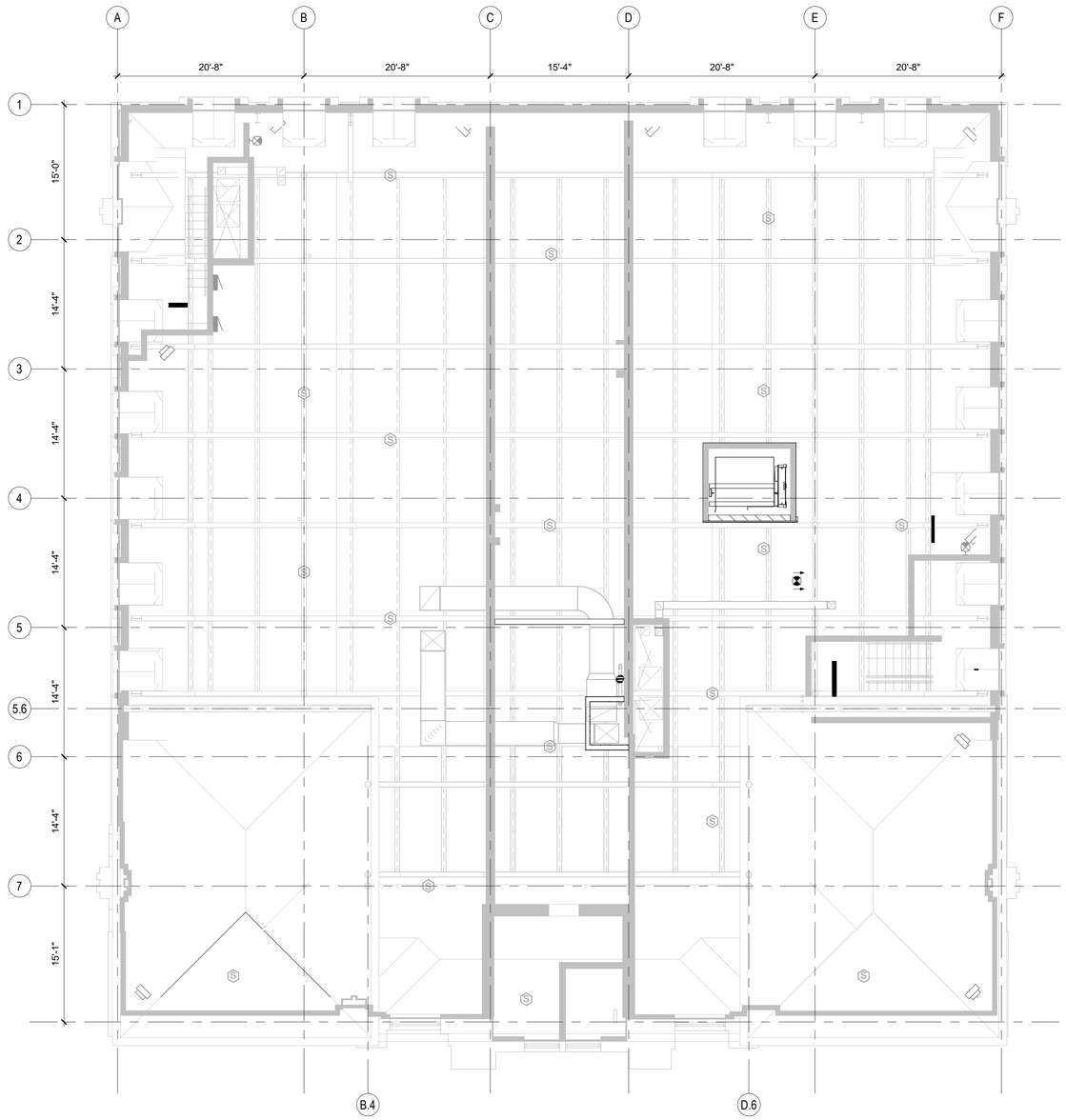
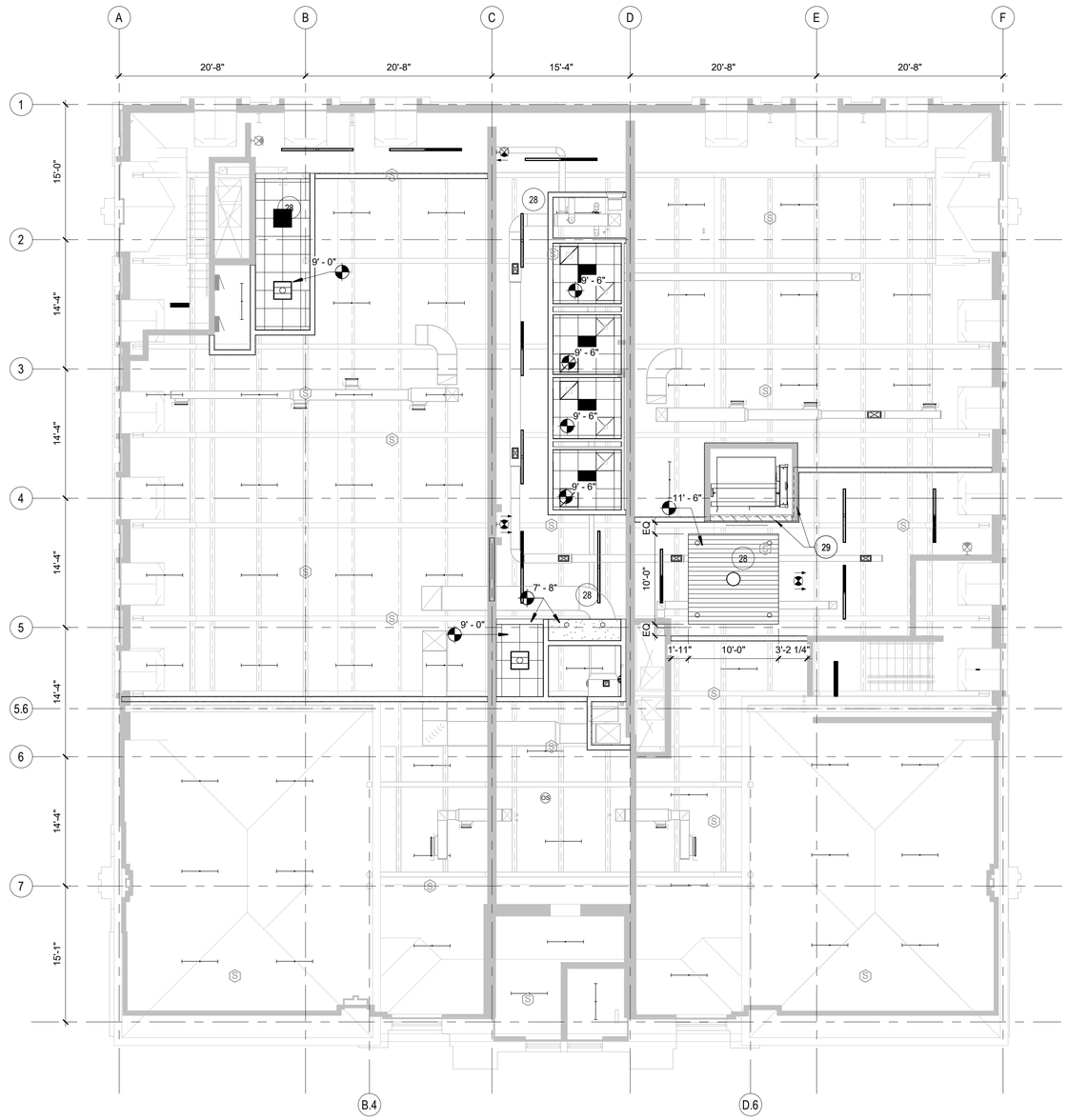


1 THIRD FLOOR - REFLECTED CEILING
SCALE: 1/8" = 1'-0"



2 THIRD FLOOR - REFLECTED CEILING - OPTION 5 & 6
SCALE: 1/8" = 1'-0"

LEGEND:

FOR CEILING HEIGHTS, SEE ROOM FINISH SCHEDULE

- NEW 2x2 LAY-IN CEILING GRID AND PADS
- CONTROL JOINT (CJ)
- GYPSUM BOARD CEILING
- WOOD PANEL CEILING
- LIGHT FIXTURES (SEE ELECTRICAL)
- GRILLES AND DIFFUSERS (SEE MECHANICAL)
- (F) FIRE ALARM STROBE, SEE ELEC
- (S F) FIRE ALARM SPEAKER, SEE ELEC
- (F S) FIRE ALARM SPEAKER STROBE, SEE ELEC
- (OS) OCCUPANCY SENSOR, SEE ELEC
- (F) FIRE ALARM HORN, SEE ELEC
- (F) FIRE ALARM HORN STROBE, SEE ELEC
- (S) SMOKE DETECTOR, SEE ELEC
- (S) SPEAKER, SEE ELEC
- EXIT SIGN, SEE ELEC

ARCHITECTURAL REFERENCE NOTES

28 ALL DUCTWORK TO BE PAINTED. PAINT UNDERSIDE OF FIREPROOFING @ ROOF DECK (3RD FLOOR CEILING), BEAMS, AND COLUMNS

29 EXTEND WALL TYPE A4 FROM TOP OF ELEVATOR SHAFT TO UNDERSIDE OF ROOF ASSEMBLY

NORTH

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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JMB DRAWN
SLL CHECKED
08/13/2025 DATE

TITLE OF SHEET
REFLECTED CEILING PLANS AND DETAILS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER
BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A602**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **20** OF **66**

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LUXURY VINYL TILE

LVT-1
MFG: MOHAWK COMMERCIAL
PATTERN: HOT AND HEAVY II
THICKNESS: 5.0 MM
INSTALLATION: BRICK ASHLAR
COLOR: AURA 859

CARPET TILE

CPT-1
MFG: MOHAWK
PATTERN: DIGITAL TERRAIN (GT341)
COLOR: 856 SEDIMENT
SIZE: 12"X36"
WEIGHT: 20 OZ./SQUARE YARD
BACKING: ECOFLEX ONE

CERAMIC TILE

CT-1
MFG: DALTILE
PATTERN: ARTICULO
COLOR: AR08 STORY BROWN
SIZE: 12"X24" (USE STAINLESS STEEL SCHLUTER COVE BASE)
FINISH: MATTE
GROUT: LATICRETE, SPECTRALOCK,
COLOR: TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLOR

CT-2
MFG: DALTILE
PATTERN: ARTICULO
COLOR: AR07 FEATURE BEIGE
SIZE: 12"X24" (USE STAINLESS STEEL SCHLUTER COVE BASE)
FINISH: MATTE
GROUT: LATICRETE, SPECTRALOCK,
COLOR: TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLOR

VINYL BASE

VB-1
MFG: TARKETT
COLOR: CHARCOAL
HEIGHT: 4 INCH

SOLID SURFACE MATERIAL

SSM-1: MFG: WILSONART
COLOR: BLUESTONE (KITCHENETTES)

PAINT

PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW6105 DIVINE WHITE(EGGSHELL)(BATHROOMS)

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW6120 BELIEVABLE BLUFF (EGGSHELL)(MAIN AREAS)

PT-3 MFG: SHERWIN WILLIAMS
COLOR: SW2802 ROOKWOOD RED (EGGSHELL)(ACCENT WALLS)

PT-4 MFG: SHERWIN WILLIAMS
COLOR: SW6258 TRICORN BLACK (MASONRY SUPPORT)

PT-5 MFG: SHERWIN WILLIAMS
COLOR: SW7103 WHITETAIL (EGGSHELL)(CEILING)

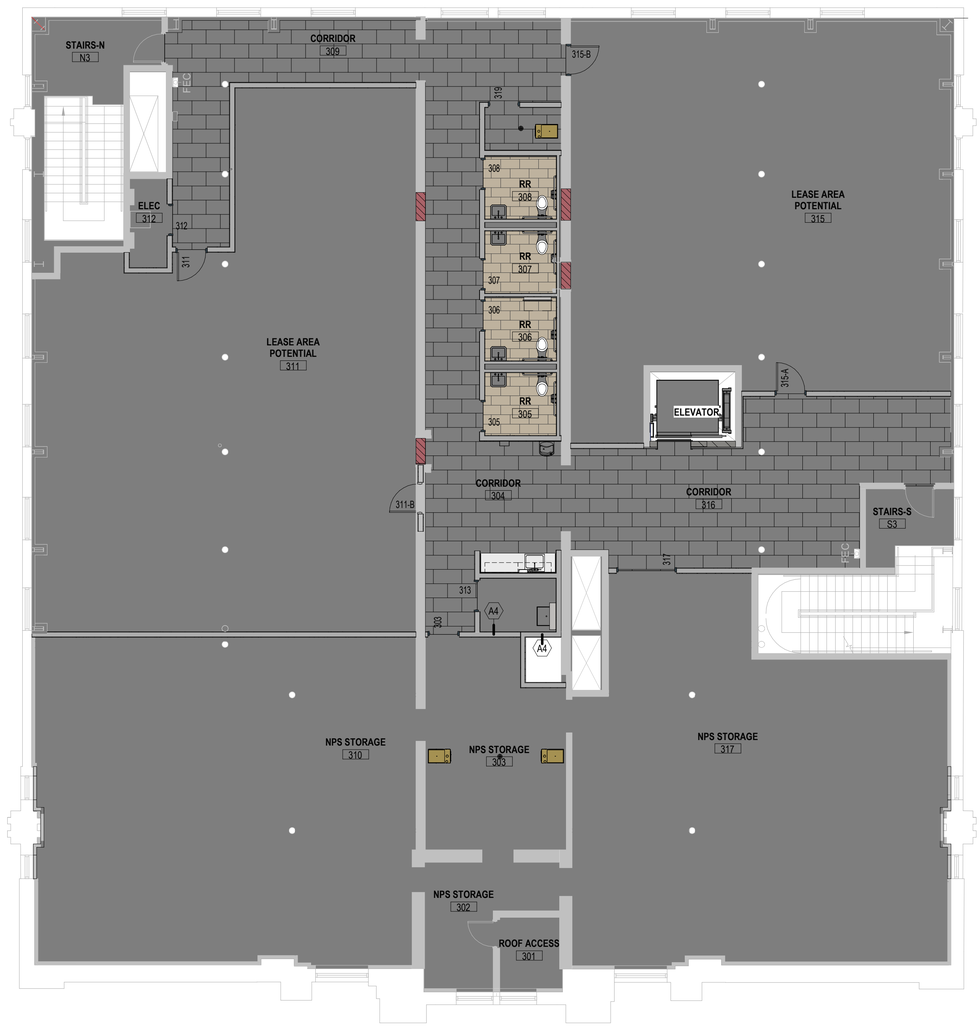
PT-6 MFG: SHERWIN WILLIAMS
COLOR: COORDINATE WITH COR

PT-7 MFG: SHERWIN WILLIAMS
COLOR: SW7605 GALE FORCE (EGGSHELL) (ACCENT WALLS)

PLASTIC LAMINATE

PLAM-1: MFG: WILSONART
COLOR: STUDIO TEAK 7960

1 SECOND FLOOR PLAN - FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"



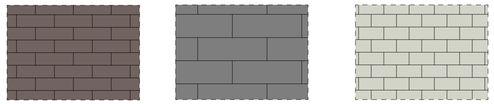
2 THIRD FLOOR PLAN - FINISH FLOOR - OPTIONS 6
SCALE: 1/8" = 1'-0"

ACOUSTIC CEILING PANEL

ACP-1
MFG: ARMSTRONG
PATTERN: OPTIMA
COLOR: WHITE (WH)
GRID: PRELUDE 15/16
COLOR: WHITE

WD-1
MFG: ARMSTRONG
PATTERN: WOODWORKS CHANNELED PLANKS
COLOR: LIGHT CHERRY (NLC)
GRID: PRELUDE XL HD
COLOR: BLACK

FLOOR FINISH KEY



CPT 1 LVT 1 CT 1

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

SHANE L. LARSEN 001-025030 8/13/25 STATE OF ILLINOIS LICENSED ARCHITECT
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KSG DRAWN
SLL CHECKED
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TITLE OF SHEET
FINISH PLANS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A901**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **21** OF **66**

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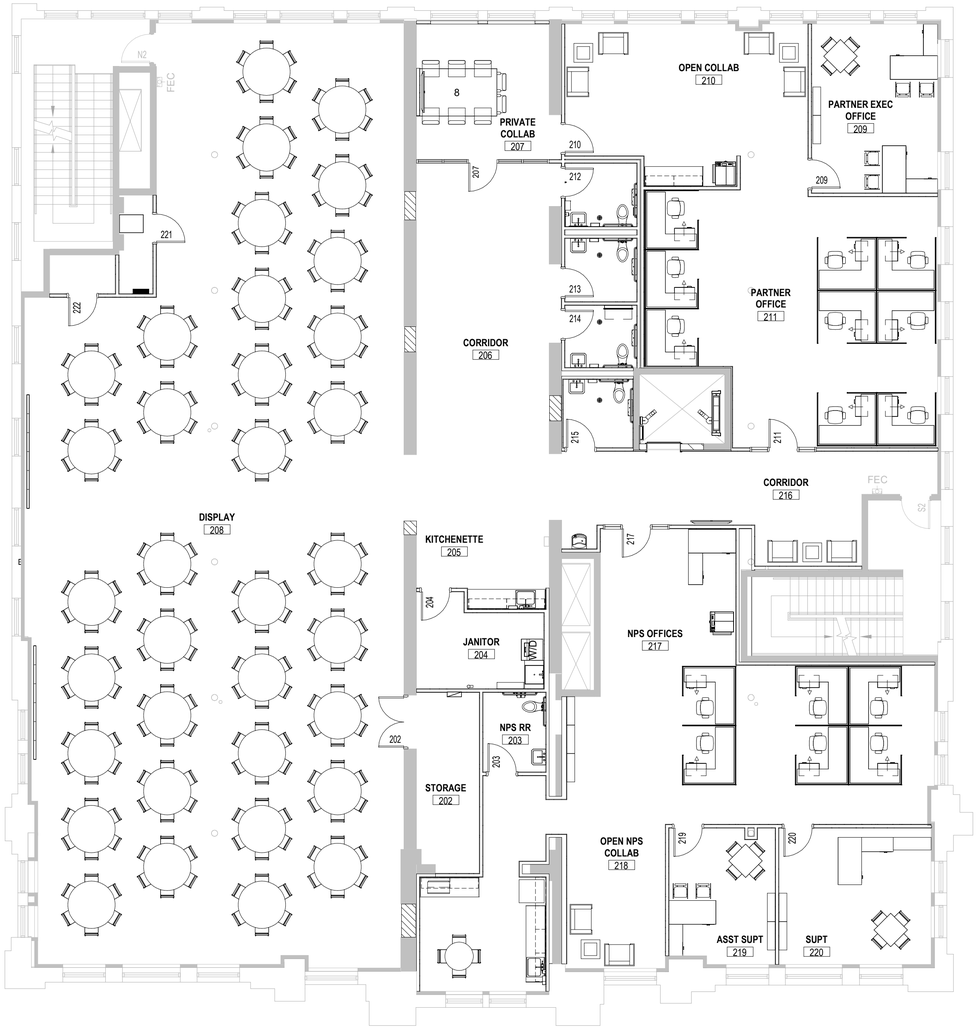
FOR REFERENCE ONLY - FURNITURE PROVIDED BY OWNER



1 SECOND FLOOR PLAN - FURNITURE PLAN
SCALE: 1/8" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

SHANEL LARSEN
001-025030
8/13/25
STATE OF ILLINOIS
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FURNITURE PLANS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **A902**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **22** OF **66**

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SYMBOL LEGEND

PLAN VIEW

- SHEAR WALL
- MASONRY-VENEER
- MASONRY-CMU
- STUD WALL

SECTION / ELEVATION VIEW

- CONCRETE
- FLEXIBLE INSULATION
- GRAVEL
- GROUT
- EARTH / COMPACTED
- PLYWOOD
- EARTH / NONCOMPACTED
- WOOD (FINISH)
- RIGID INSULATION
- MASONRY-CMU FACE
- JOINT FILLER
- MASONRY-CMU
- STEEL
- MASONRY-VENEER
- GYPSUM

REFERENCE LEGEND

HEADER CALLOUT IN STUD WALL — H-X — HEADER DESIGNATION

LINTEL CALLOUT IN MASONRY WALL — L-X — LINTEL DESIGNATION

METAL STUD WALL CALLOUT — X — LETTER INDICATES METAL STUD WALL TYPE

CMU WALL CALLOUT — X — LETTER INDICATES CMU WALL TYPE

REFERENCE NOTE — X — REFERENCE DESIGNATION

ROOM / FRAMING ELEVATION — 1 ELEVATION LETTER; XX-XX DIRECTION OF VIEW; 1 SHEET NUMBER

PLAN DETAIL — X DETAIL NUMBER; XX-XX SHEET NUMBER

SECTION/ DETAIL — SIM; X SECTION/DETAIL NUMBER; XX-XX SHEET NUMBER

NEW COLUMN — X — LETTER INDICATES NEW COLUMN LINE

EXISTING COLUMN — X — LETTER INDICATES EXISTING COLUMN LINE

LEVEL — NAME; ELEVATION — LEVEL CALLOUT DESIGNATION; ELEVATION DESIGNATION

TITLE MARKER — 1 VIEW NAME; SCALE: 1/8" = 1'-0" — GRAPHIC AREA FOR DRAWING; DETAIL NUMBER; TITLE; SCALE OF THE DRAWING

NORTH ARROW — NORTH; PLAN NORTH; TRUE NORTH — INDICATES DIRECTION OF VIEW

ABBREVIATIONS

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ANCH	ANCHOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL OR ARCHITECT
AUTO	AUTOMATIC
AVG	AVERAGE
L	ANGLE
BL	BUILDING LINE
BLDG	BUILDING
BLKG	BLOCKING
BO	BOTTOM OF
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BS	BOTH SIDES
BW	BOTH WAYS
C	CHANNEL (STRUCTURAL SHEETS)
CF	CUBIC FEET
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSIBLE
CONC	CONCRETE
CONN	CONNECTION
CONSTR JT	CONSTRUCTION JOINT
CONT	CONTINUOUS (CONTINUATION)
CU YD	CUBIC YARDS
D	DEPTH (DEEP)
d	PENNY (as in nail - 10d)
DBL	DOUBLE
DEMO	DEMOLITION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DWG	DRAWING
DWLS	DOWELS
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION - GRADE OR BUILDING
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXPN	EXPANSION
EXT	EXTERIOR
F	FAHRENHEIT
FD	FLOOR DRAIN
FDN	FOUNDATION
FIN	FINISH
FLR	FLOOR
FT	FEET (FOOT)
FTG	FOOTING
FV	FIELD VERIFY
GA	GAGE OR GAUGE
GALV	GALVANIZED
GRTG	GRATING
GWB	GYPSUM WALLBOARD
H or HT	HEIGHT (HIGH)
HDR	HEADER
HK	HOOK
HORIZ	HORIZONTAL(LY)
HPT	HIGH POINT
HS	HIGH STRENGTH
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATION
INT	INTERIOR
KIP or K	KILOPOUND (1000 LBS)
KP	KICK PLATE
L	LENGTH (LONG)
LBS	POUNDS
LDG	LOADING
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNTL	LINTEL
LONG	LONG LONGITUDINAL
LP	LOW POINT
LT WT	LIGHT WEIGHT
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNELS
MECH	MECHANICAL
MET	METAL
MFG	MANUFACTURING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO	NUMBER
NR	NOT REQUIRED
NTS	NOT TO SCALE
OC	ON CENTER(S)
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OZ	OUNCE
PC	PRECAST
PERF	PERFORATED
PLWD	PLYWOOD
POL	POLISH(ED)
PREFAB	PREFABRICATED
PS	PRESSED STEEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
R	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCEMENT
REQD	REQUIRED
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SF	SQUARE FOOT (FEET)
SHTG	SHEATHING
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SL	SNOW LOAD
SLBB	SHORT LEG BACK TO BACK
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STGR	STRINGER
STIFF	STIFFENER
STIRR	STIRRUPS
STL	STEEL
STR	STRUCTURAL
SUSP	SUSPENDED
TEMP	TEMPERATURE
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TYP	TYPICAL
UNEX	UNEXCAVATED
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
W	WIDE (WIDTH)
W/	WITH
W/O	WITHOUT
WF	WIDE FLANGE
WL	WIND LOAD
WP	WORK POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

STRUCTURAL NOTES

APPLICABLE CODES AND STANDARDS

1. 2018 INTERNATIONAL BUILDING CODE
2. ACI 318-14 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
3. TMS 402-16 - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
4. AISC 360-16 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
5. AISI S100-16 - NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

DESIGN CRITERIA

FLOOR LIVE LOAD	PSF
1. CORRIDORS - FIRST FLOOR	100
2. FIRE ESCAPES	100
3. OFFICE BUILDINGS - OFFICES	50
4. OFFICE BUILDINGS - CORRIDORS ABOVE FIRST FLOOR	80
5. SIDEWALKS, VEHICULAR DRIVEWAYS	250
6. STAIRS AND EXIT WAYS	100
7. STORAGE - LIGHT	125
8. STORES - RETAIL - FIRST FLOOR	100
9. STORES - RETAIL - UPPER FLOORS	75

ROOF LIVE LOAD	PSF
1. ROOF LIVE LOAD (MINIMUM, NON-REDUCIBLE)	20

OTHER LIVE LOADS

1. PARTITIONS (LATERAL LOAD):	5 PSF
2. RAILING (LATERAL LOAD AT TOP):	50 PLF OR 200 LB

ROOF SNOW LOAD

1. GROUND SNOW LOAD (P_g):	25 PSF
2. FLAT-ROOF SNOW LOAD (P_f):	20 PSF
3. DRIFT SNOW LOAD	PER ASCE 7-16
4. SNOW EXPOSURE FACTOR (C_e):	1.0
5. SNOW LOAD IMPORTANCE FACTOR (I):	1.0
6. THERMAL FACTOR (C_t):	1.0

EARTHQUAKE DESIGN DATA

1. SEISMIC IMPORTANCE FACTOR (I):	1.0
2. RISK CATEGORY:	II
3. 0.2 SEC SPECTRAL RESPONSE ACCELERATION (S_S):	0.121
4. 1.0 SEC SPECTRAL RESPONSE ACCELERATION (S_1):	0.065
5. SITE CLASS:	D
6. 0.2 SEC SPECTRAL RESPONSE COEFFICIENT (S_{DS}):	0.129
7. 1.0 SEC SPECTRAL RESPONSE COEFFICIENT (S_{D1}):	0.105
8. SEISMIC DESIGN CATEGORY:	B

WIND DESIGN DATA

1. ULTIMATE DESIGN WIND SPEED (V_{ult}):	107 MPH
2. NOMINAL DESIGN WIND SPEED (V_{asd}):	83 MPH
3. RISK CATEGORY:	II
4. WIND EXPOSURE:	CATEGORY B
5. INTERNAL PRESSURE COEFFICIENT (GC_{pi}):	+/-0.18

MATERIAL DATA

CONCRETE AND REINFORCING

1. CONCRETE STRENGTH (f'_c @ 28 DAYS)	
A. SUSPENDED SLABS	4,000 PSI
B. CONCRETE NOT SPECIFIED	3,000 PSI

2. ALL CONCRETE EXPOSED TO FREEZE-THAW CONDITIONS SHALL HAVE A MINIMUM STRENGTH (f'_c @ 28 DAYS) OF 4,500 PSI. THIS DOES NOT INCLUDE FOOTINGS/GRADE BEAMS THAT ARE COVERED BY SOIL
3. CEMENT TYPE: PORTLAND TYPE 1L
4. AGGREGATES
   A. NORMAL WEIGHT, 1 1/2" MAX. SIZE - ASTM C33
   B. PROVIDE AGGREGATES FREE OF MATERIALS WITH DELETERIOUS REACTIVITY TO ALKALI IN CEMENT, FROM A SINGLE SOURCE WITH DOCUMENTED SERVICE RECORD DATA OF AT LEAST 10 YEARS SATISFACTORY SERVICE IN SIMILAR APPLICATIONS AND SERVICE CONDITIONS USING SIMILAR AGGREGATES AND CEMENTITIOUS MATERIALS.

5. REINFORCING STEEL	ASTM A615, GRADE 60
6. REINFORCING STEEL	ASTM A706, WELDABLE
7. WELDED WIRE FABRIC	ASTM A185
8. PREFORMED EXPANSION JOINT (1/2")	ASTM D1751

MASONRY

1. MASONRY STRENGTH (f'_m @ 28 DAYS)	1,500 PSI
2. CONCRETE UNITS	ASTM C90 NORMAL WEIGHT
3. UNIT COMPRESSIVE STRENGTH	2,000 PSI (BASED ON NET AREA)
4. MORTAR TYPE	ASTM C270, TYPE S
5. GROUT TYPE	ASTM C476, 3/8" MAX. AGGREGATE SIZE
6. MORTAR STRENGTH (28 DAYS)	1,800 PSI
7. GROUT STRENGTH (28 DAYS)	ASTM C476 - 2,000 PSI
8. WIRE REINFORCING	ASTM A82, STD. LADDER TYPE - 9 GAUGE ZINC COATED PER ASTM A116 - (DUR-O-WAL OR APPROVED EQUAL @ 16" O.C. VERTICAL SPACING)

STEEL

1. STRUCTURAL STEEL (WIDE FLANGES)	ASTM A992, GRADE 50
2. STRUCTURAL STEEL (ALL OTHER TYPES)	ASTM A36
3. STRUCTURAL TUBE	ASTM A500, GRADE C
4. ANCHOR RODS	ASTM F1554, GRADE 55 WITH WELDING SUPPLEMENT S1
5. BOLTED CONNECTIONS	ASTM F3125, GRADE A325N
6. WELDED CONNECTIONS	E70XX ELECTRODES
7. WELDED CONNECTIONS (GALVANIZED)	E6010 OR E6011 ELECTRODES
8. METAL DECKING	ASTM A611 OR ASTM A653-94
9. LIGHT GAUGE STEEL STUDS	
A. 12 TO 16 GAUGE (G60 GALV.)	ASTM A1003 GRADE ST50H (F_y=50 KSI)
B. 18+ GAUGE (G60 GALV.)	ASTM A1003 GRADE ST33H (F_y=33 KSI)

STRUCTURAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE BUILDING CODE.
2. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE
   A. APPLICATION OF ANY LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF THE SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE.
   B. WHERE CONSTRUCTION MATERIAL AND EQUIPMENT ARE TEMPORARILY STORED ON THE ROOF OR FLOOR FRAMING, THEY SHALL BE DISTRIBUTED SO THAT THE DESIGN LIVE LOAD AT THE LOADED AREA IS NOT EXCEEDED.
   C. DO NOT BACKFILL AGAINST WALLS OR OTHER STRUCTURAL ELEMENTS UNTIL SUCH ELEMENTS HAVE REACHED THEIR INTENDED STRENGTH, HAVE BEEN ADEQUATELY BRACED, AND/OR HAVE OTHER INTEGRAL STRUCTURAL ELEMENTS IN PLACE WHICH ARE INTENDED TO RESIST THE LATERAL EARTH LOADS.
3. LATERAL LOAD RESISTING SYSTEM: ALL LATERAL LOAD RESISTANCE AND STABILITY IN THE COMPLETED STRUCTURE IS PROVIDED BY:
   A. N-S DIRECTION: EXISTING MASONRY WALLS
   B. E-W DIRECTION: EXISTING MASONRY WALLS
   C. ROOF DIAPHRAGM: EXISTING METAL DECK
   D. FLOOR DIAPHRAGM: EXISTING CONCRETE FLOORS
4. DETAILS ON THE DRAWINGS INDICATED AS "TYPICAL" APPLY IN ALL AREAS WHERE CONDITIONS SIMILAR TO THE DETAIL OCCUR.
5. THE STRUCTURAL DRAWINGS ARE NOT INTENDED FOR USE AS SHOP ERECTION DRAWINGS. REPRODUCTION OF THESE DRAWINGS IN LIEU OF PREPARATION OF SHOP ERECTION DRAWINGS SIGNIFIES THE USERS' ACCEPTANCE THAT ALL INFORMATION SHOWN IS CORRECT AND APPROPRIATE FOR SHOP DRAWINGS AND THAT THE USER WILL BE FULLY RESPONSIBLE FOR EXPENSES THAT MAY OCCUR FROM SAID ACCEPTANCE.
6. UNLESS SPECIFICALLY NOTED, THERE ARE NO PROVISIONS MADE FOR FUTURE FLOORS, ROOFS, OR OTHER LOADS.

COORDINATION/VERIFICATION

1. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH ANY PHASE OF THE WORK.
2. ANY PROPRIETARY STRUCTURAL SYSTEMS THAT ARE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION IN ACCORDANCE WITH THE INSTRUCTIONS PREPARED BY THE SUPPLIER.
3. CROSS REFERENCE STRUCTURAL DRAWINGS WITH MECHANICAL AND ELECTRICAL DRAWINGS, AND WITH THE ACTUAL EQUIPMENT SUPPLIED TO THE PROJECT, FOR THE LOCATION AND SIZE OF ALL SLAB OPENINGS, SLEEVES, INSERTS, FLOOR DEPRESSIONS, BLOCK-OUTS, CURBS, ANCHORS, BOLTS, ETC. REQUIRED FOR INSTALLATION.
4. PROVIDE ADEQUATE STRUCTURAL FRAMING AS APPROVED BY THE ENGINEER FOR ALL REQUIRED MECHANICAL OPENINGS THROUGH SLABS, WALLS, FLOOR DECK, ETC., AND SUPPORT OF ALL MECHANICAL EQUIPMENT. OPENINGS SHALL NOT BE PERMITTED THROUGH BEAMS UNLESS SPECIFICALLY DETAILED BY THE ENGINEER.
5. REFER TO ARCHITECTURAL DRAWINGS FOR ALL SURFACE FINISHES, DIMENSIONS, AND LOCATIONS OF SLAB DROPS, MASONRY CONTROL JOINTS, AND WALL OPENING REQUIREMENTS.

CAST-IN-PLACE CONCRETE (033000)

GENERAL CONCRETE REQUIREMENTS

1. CONCRETE BATCH DESIGN(S) SHALL BE PROPORTIONED AND PRODUCED IN ACCORDANCE WITH ACI 318, IN PARTICULAR CHAPTER 5, AND ACI 301. MIX AND DELIVER IN ACCORDANCE WITH ASTM C94.
2. CONCRETE STRENGTH: SEE MATERIAL DATA NOTES
3. SLUMP LIMITS
   A. GRADE SUPPORTED SLABS, SUSPENDED SLABS AND CONCRETE TOPPINGS: 5 INCHES OF SLUMP, PLUS OR MINUS 1 INCH
   B. CONCRETE WITH PLASTICIZERS: 8 INCHES OF SLUMP, PLUS OR MINUS 1 INCH.
   C. ALL OTHER CONCRETE: 4 INCHES OF SLUMP, PLUS OR MINUS 1 INCH.
4. MAXIMUM W/C RATIO: 0.45
5. AIR ENTRAINMENT
   A. GRADE SUPPORTED SLABS, SUSPENDED SLABS AND CONCRETE TOPPINGS: DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3%.
   B. CONCRETE EXPOSED TO WEATHER: 5% MINIMUM AIR CONTENT
   C. ALL OTHER CONCRETE: 5.5% AIR CONTENT, PLUS OR MINUS 1.5%.
6. ADMIXTURES: SUBMIT AS REQUIRED FOR APPROVAL
7. FLY ASH: MAX. 25% OF CEMENT CONTENT
8. CONSTRUCTION JOINTS MUST HAVE PRIOR REVIEW BY THE ENGINEER. ALL CONTINUOUS REINFORCING SHALL BE CARRIED THROUGH THE JOINT.
9. CONCRETE TO CONCRETE COLD JOINTS - PROVIDE 1/4" INTENTIONALLY ROUGHENED SURFACE AT ALL HORIZONTAL JOINTS.
10. EXPOSED CORNERS: PROVIDE A 3/4" CHAMFER AT ALL EXPOSED CONCRETE CORNERS.
11. CURING: CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF SEVEN DAYS AFTER ITS PLACEMENT. IF FORMWORK IS REMOVED PRIOR TO SEVEN DAYS, APPLY MOIST CURING TO NEWLY EXPOSED SURFACES. APPROVED CURING COMPOUNDS MAY BE USED IN LIEU OF MOIST CURING.
12. REINFORCING BAR WELDING: ABSOLUTELY NO WELDING OF REINFORCING BARS OR TORCHING TO BEND REINFORCING BARS SHALL BE ALLOWED WITHOUT THE SPECIFIC APPROVAL OF THE ENGINEER.
13. MINIMUM CONCRETE CLEAR COVER:
    A. INTERIOR SLABS (TOP) SLAB DEPTH/3
    B. OTHER COVER REQUIREMENTS SHALL BE AS NOTED IN APPLICABLE DETAILS.
14. BAR SUPPORT ACCESSORIES SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES
    A. SLAB REINFORCING: ON BAR BOLSTERS @ 4 FT. O.C. MAX.
    B. CONCRETE EXPOSED TO VIEW USE PLASTIC COATED OR GALV. LEGS
    C. CONCRETE W/ SANDBLAST FINISH USE STAINLESS STEEL SUPPORTS
    D. NO ROCKS, CLAY TILE, OR CLAY BRICK SHALL BE USED TO SUPPORT REINFORCING.
15. NON-METALLIC, SHRINKAGE-RESISTANT GROUT
    A. GROUT SHALL MEET REQUIREMENTS OF ASTM C 1107
    B. GROUT SHALL BE FACTORY-PACKAGED, NON-METALLIC AGGREGATE GROUT
    C. GROUT SHALL BE NON-CORROSIVE AND NON-STAINING
    D. MIX GROUT WITH WATER TO CONSISTENCY SUITABLE FOR APPLICATION AND A 30-MINUTE WORKING TIME.
16. VOID FILL: FOAM MATERIAL USED FOR VOID FILL SHALL BE RIGID CELLULAR, EXTRUDED POLYSTYRENE INSULATION COMPLYING WITH ASTM C578, TYPE IV, 25 PSI COMPRESSIVE STRENGTH MINIMUM.
17. REINFORCING SHOP DRAWINGS: REINFORCING SUPPLIER SHALL PROVIDE COMPLETE PLACEMENT AND FABRICATION DRAWINGS FOR ALL REINFORCING INCLUDING THE LOCATION AND SIZE OF ALL ACCESSORIES AND SUPPORTS.
18. CONCRETE TESTING SHALL BE PERFORMED ACCORDING TO THE FOLLOWING REQUIREMENTS:
    A. TESTING FREQUENCY: OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR FOR EACH CONCRETE MIXTURE EXCEEDING 5 CUBIC YARDS, BUT LESS THAN 25 CUBIC YARDS, PLUS ONE SET FOR EACH ADDITIONAL 50 CUBIC YARDS OR FRACTION THEREOF.
19. CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF ADDING WATER. CONTRACTOR SHALL REJECT ANY CONCRETE THAT HAS BEEN IN THE MIXING TRUCK MORE THAN 90 MINUTES AFTER ADDING WATER.

ANCHORAGE REQUIREMENTS

1. POST-INSTALLED MECHANICAL ANCHORS: INSTALL USING MINIMUM TORQUE, EMBEDMENTS, EDGE DISTANCES AND SPACING (UNLESS OTHERWISE NOTED) AS RECOMMENDED BY THE ANCHOR MANUFACTURER.
2. POST-INSTALLED ADHESIVE ANCHORS: INSTALLATION TO MEET MANUFACTURER'S RECOMMENDATIONS (UNLESS NOTED OTHERWISE)INCLUDING MINIMUM EMBEDMENTS, EDGE DISTANCES, SPACING, PROCEDURES, AND CURING TIME PRIOR TO LOADING.
3. POST-INSTALLED ANCHORS SHALL BE LOCATED PER THE DETAILS.
4. AVOID CUTTING OR DAMAGING EXISTING REINFORCING. SHOULD LOCATIONS OF DRILLED HOLES BE FOUND DIRECTLY ALIGNED WITH REINFORCING BARS, NOTIFY ENGINEER FOR NECESSARY ADJUSTMENTS TO THE DESIGN.

UNIT MASONRY (042000)

1. DESIGN CRITERIA: MASONRY SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF ACI 530.
2. UNIT TYPES: REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE MASONRY UNIT SIZE, FACE, COLOR, JOINTING, ECT.
3. UNIT COMPRESSIVE STRENGTH: SEE MATERIAL DATA NOTES
4. MORTAR: SEE MATERIAL DATA NOTES
5. GROUT: SEE MATERIAL DATA NOTES
6. CMU REINFORCING: UNLESS NOTED OTHERWISE, REINFORCE ALL CMU WALLS WITH VERTICAL #5 @ 32" O.C. FILL ALL REINFORCED CELLS WITH GROUT. MINIMUM GROUT BETWEEN MASONRY AND REINFORCING SHALL BE 1/2". MINIMUM GROUT BETWEEN PAIRS OF REINFORCING BARS SHALL BE 3/4".
   A. PROVIDE #5 VERTICAL REINFORCING AT THE FOLLOWING LOCATIONS:
      a. AT ALL CORNERS OF CMU WALLS
      b. AT ALL ENDS OF CMU WALLS
      c. EACH SIDE OF CONTROL JOINTS
      d. EACH SIDE OF WALL OPENINGS
   B. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CONTROL JOINTS.
7. BOND BEAMS
   A. LOCATED AT TOP OF ALL CMU WALLS AND WHERE INDICATED IN DETAILS
   B. MINIMUM DEPTH UNLESS OTHERWISE NOTED = 8".
   C. REINFORCING - (2) #4 CONTINUOUS. LAP SPLICE = 28 IN.
   D. CORNER DOWELS - (2) #4 RIGHT ANGLE DOWELS THAT LAP A MINIMUM OF 2'-0" WITH ADJACENT BOND BEAM REINFORCING. IF BOND BEAMS AT INTERSECTING WALLS MEET AT DIFFERENT ELEVATIONS, EXTEND BOTH BOND BEAMS AROUND INTERSECTING CORNER TO FIRST INTERIOR REINFORCED CELL, BUT NOT LESS THAN 4 FEET.
   E. EXTEND BOND BEAMS THROUGH CONTROL JOINTS, BUT INTERRUPT BOND BEAM REINFORCING AT CONTROL JOINTS.
8. LINTELS
   A. PROVIDE (2) #5 BARS IN U-SHAPED LINTEL BEAM, U.N.O. GROUT U-SHAPED COURSE AND ADDITIONAL COURSES IMMEDIATELY ABOVE THE LINTEL. SEE SCHEDULE FOR TOTAL NUMBER OF LINTEL COURSES REQUIRED.
   PROVIDE A MINIMUM OF 8 INCHES BEARING AT EACH END.
9. CONTROL JOINTS: EXCEPT WHERE OFFSETS OR SLIP JOINTS ARE SHOWN, CONTROL JOINTS SHALL BE A CONTINUOUS VERTICAL LINE FROM TOP OF FOOTING TO TOP OF MASONRY WALL. SPACE CONTROL JOINTS AS FOLLOWS:
   A. INTERIOR WALLS 36 FT. O.C. MAX.
   B. EXTERIOR WALLS 24 FT. O.C. MAX.

STRUCTURAL STEEL FRAMING (051200)

GENERAL STRUCTURAL STEEL REQUIREMENTS

1. DESIGN CRITERIA: STRUCTURAL STEEL SHALL BE INSTALLED PER THE REQUIREMENTS OF AISC 360.
2. STRUCTURAL STEEL GRADES: SEE MATERIAL DATA NOTES
3. ANCHOR AND BOLT GRADES: SEE MATERIAL DATA NOTES
4. WELD ELECTRODES: SEE MATERIAL DATA NOTES
5. STEEL PROTECTION: ALL STRUCTURAL STEEL SHALL BE CLEANED PER SSPC SP-2 HAND TOOL CLEANING OR SP-3 POWER TOOL CLEANING AND SHOP PAINTED WITH ONE COAT OF MANUFACTURER'S STANDARD GRAY PRIMER. TOUCH UP SCARRED AREAS WITH THE SAME PAINT AFTER ERECTION.
6. SHOP DRAWINGS: STEEL FABRICATOR SHALL PROVIDE COMPLETE ERECTION AND FABRICATION DRAWINGS SHOWING ALL MEMBERS AND CONNECTIONS.
7. WELDING: ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS PER AWS STANDARD QUALIFICATION PROCEDURES.

STEEL DECKING (053100)

1. DECK GOVERNING CRITERIA: THE DESIGN, FABRICATION, AND ERECTION OF METAL DECKING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE SDI SPECIFICATIONS AND THE SDI DIAPHRAGM DESIGN MANUAL.
2. DECK ENDS: MAY BE BUTTED OR LAPPED OVER SUPPORTS. LAPS SHALL BE A MINIMUM OF 3"
3. DECK PROTECTION: PAINTED DECKING SHALL BE COVERED WITH A WATERPROOF COVERING DURING SHIPPING AND SHALL BE STORED OFF THE GROUND AND COVERED WITH A WATERPROOF COVERING WHILE ON SITE.
4. FLOOR SLAB-ON-DECK DESIGN: ALL FLOOR SLABS SUPPORTED ON STEEL STRUCTURE AND METAL DECK SHALL HAVE A TOTAL THICKNESS AND REINFORCING AS INDICATED ON PLAN.
5. FLOOR AND ROOF DECK SHALL BE INSTALLED WITH A MINIMUM OF THREE SPANS UNLESS INDICATED OTHERWISE.

COLD-FORMED METAL FRAMING (054000)

1. DESIGN CRITERIA: COLD-FORMED METAL FRAMING SHALL BE INSTALLED PER THE REQUIREMENTS OF AISI NAS.
2. LIGHT GAUGE STEEL STUDS: SEE MATERIAL DATA NOTES
3. REFERENCE PLANS AND SCHEDULES FOR GAUGE AND SPACING OF LIGHT GAUGE STEEL STUDS.
4. FRAMING AT WALL OPENINGS: SEE TYPICAL DETAILS FOR HEAD AND SILL FRAMING AT WALL OPENINGS.
5. BLOCKING AND BRIDGING AT STUDS: PROVIDE BLOCKING/BRIDGING AT 4 FT. MAXIMUM CENTERS IN ALL STUD WALLS. PROVIDE SOLID BLOCKING IN TWO END BAYS EACH END AND REPEAT IN TWO BAYS EVERY 8 FT. ON CENTER. BETWEEN SOLID BLOCKING, PROVIDE A CONTINUOUS LIGHT GAUGE STRAP EACH SIDE OF THE STUDS.

REQUIRED CONTRACTOR SUBMITTALS TO EOR:

THE FOLLOWING LIST OF ITEMS ARE THE MINIMAL LIST OF SUBMITTALS THAT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND RESPONSE. ADDITIONAL ITEMS MAY BE ADDED TO THE LIST BASED ON THE CONTRACTOR'S DISCRETION. THIS LIST IS NOT FULLY COMPREHENSIVE AND SHALL ONLY BE USED AS A MINIMAL BASIS OF CONSTRUCTION SUBMITTALS. ADDITIONAL SUBMITTALS MAY ALSO BE REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

1. CONCRETE MIX DESIGNS (INCLUDING ADMIXTURE INFOSHEETS)
2. CONCRETE COMPRESSIVE STRENGTHS
3. CONCRETE MASONRY UNIT COMPRESSIVE STRENGTHS
4. GROUT AND MORTAR MIX DESIGNS (INCLUDING ADMIXTURE INFOSHEETS)
5. CONCRETE MASONRY UNIT REINFORCING SHOP DRAWINGS (INCLUDING WALL ELEVATIONS)
6. STRUCTURAL STEEL SHOP DRAWINGS AND PIECE TICKETS

STRUCTURAL SHEET LIST

S 00	STRUCTURAL INFO AND NOTES
S101	FLOOR PLANS & DETAILS
S102	FLOOR PLAN & DETAILS

LICENSED STRUCTURAL ENGINEER — JOSHUA M. PEARCE — 081.007909 — STATE OF ILLINOIS

08/13/2025

EXP. DATE 11/30/2026

FINAL CONSTRUCTION DRAWINGS 08/13/2025

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REVISED	
DATE	INITIAL

PREPARED	
NAS	DESIGNED
NAS	DRAWN
JMP	CHECKED
08/13/2025	DATE

TITLE OF SHEET

STRUCTURAL INFO AND NOTES

PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION

11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ #	009258.009
SUB SHEET NO.	S 00
DRAWING NO.	590 / 80000
PMIS / PKG. NO.	307087
SHEET	23 OF 66

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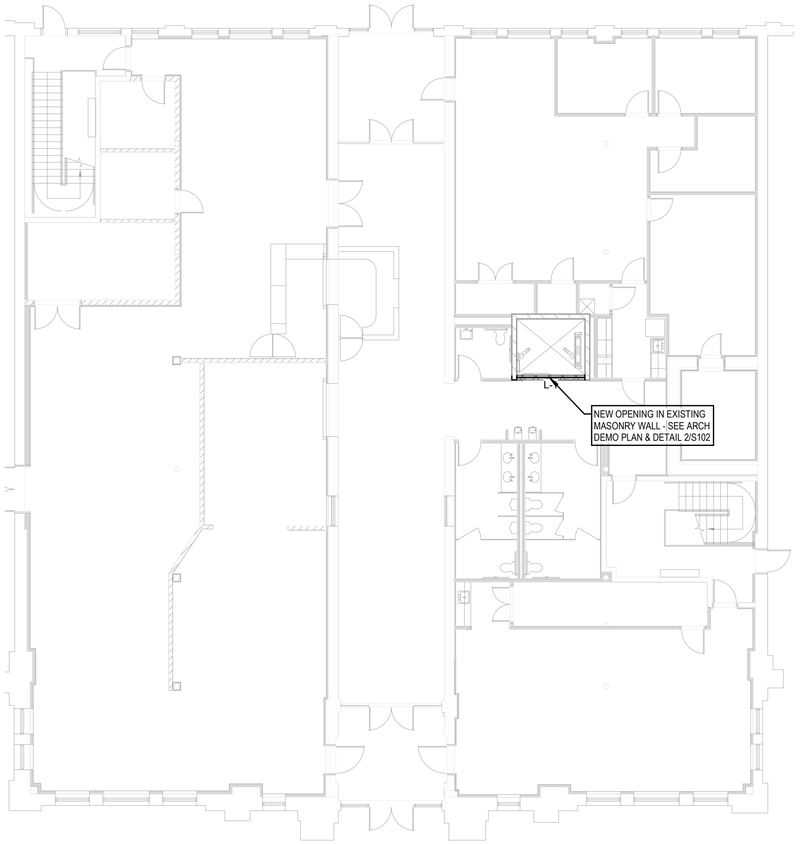
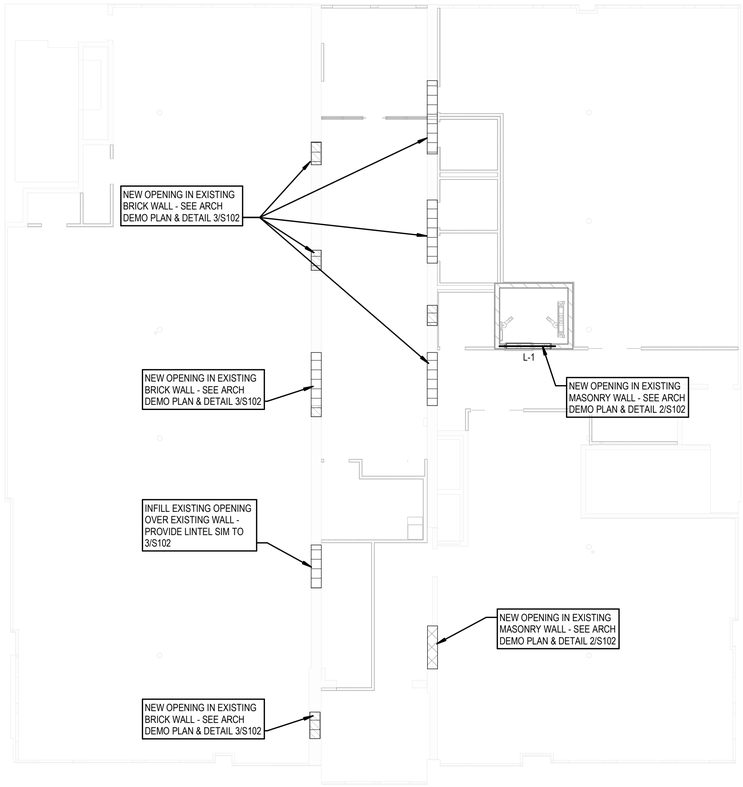


1 FIRST FLOOR
SCALE: 1" = 10'-0"



2 SECOND FLOOR
SCALE: 1" = 10'-0"

FLOOR FRAMING PLAN NOTES:

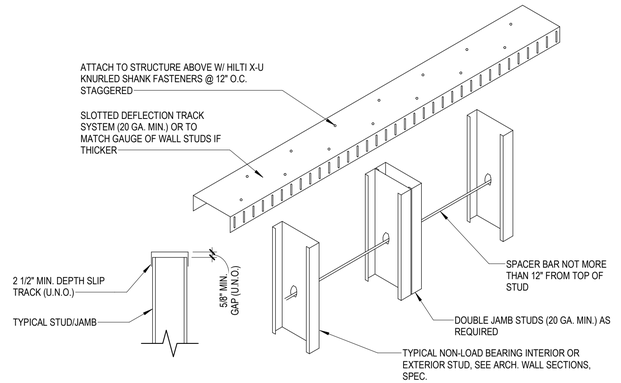
A. REFERENCE SHEET S00 FOR STRUCTURAL NOTES

B. REFERENCE SHEET S101 & S102 FOR TYPICAL DETAILS NOT NECESSARILY INDICATED ON PLAN.

C. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

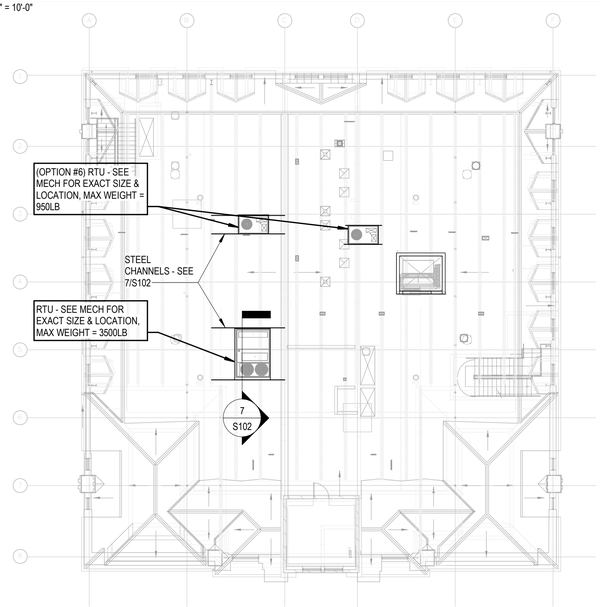
D. DEFLECTION CLIPS ARE REQUIRED FOR ALL NON-LOADBEARING METAL STUD WALLS CONNECTED TO STRUCTURE ABOVE.

E. CONTRACTOR FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES WITH CONSTRUCTION DOCUMENTS.

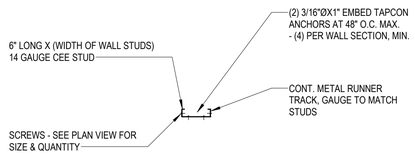


NOTES:
THIS DETAIL APPLIES AT ALL INTERIOR AND EXTERIOR NON-LOAD BEARING STEEL STUD SYSTEM WALLS THAT ARE ATTACHED TO STRUCTURE ABOVE U.N.O.

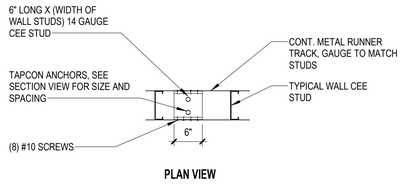
4 TYPICAL METAL STUD DEFLECTION TRACK DETAIL
SCALE: 3/4" = 1'-0"



3 ROOF FRAMING
SCALE: 1/16" = 1'-0"

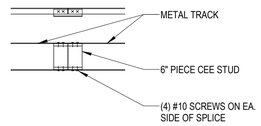


SECTION VIEW

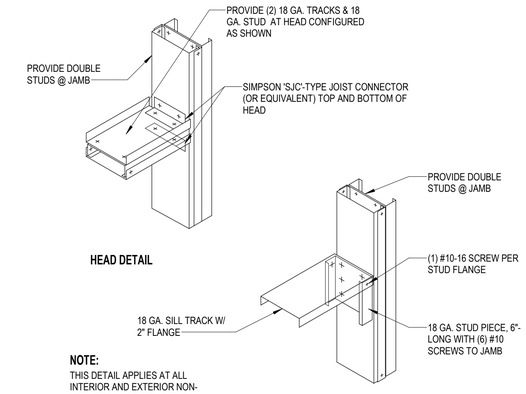


PLAN VIEW

5 TYPICAL METAL STUD TRACK ANCHOR
SCALE: 3/4" = 1'-0"



6 TYPICAL METAL STUD TRACK SPLICE
SCALE: 3/4" = 1'-0"



NOTE:
THIS DETAIL APPLIES AT ALL INTERIOR AND EXTERIOR NON-LOAD BEARING STEEL STUD SYSTEM WALLS U.N.O.

7 TYPICAL METAL STUD HEAD & SILL DETAIL
SCALE: 3/4" = 1'-0"

LICENSED STRUCTURAL ENGINEER
JOSHUA M. PEARCE
081.007909
STATE OF ILLINOIS
08/13/2025
EXP. DATE 11/30/2026

FINAL CONSTRUCTION DRAWINGS 08/13/2025

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REVISED	
DATE	INITIAL

PREPARED
NAS DESIGNED
NAS DRAWN
JMP CHECKED
08/13/2025 DATE

TITLE OF SHEET
FLOOR PLANS & DETAILS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **S101**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET 24 OF 66

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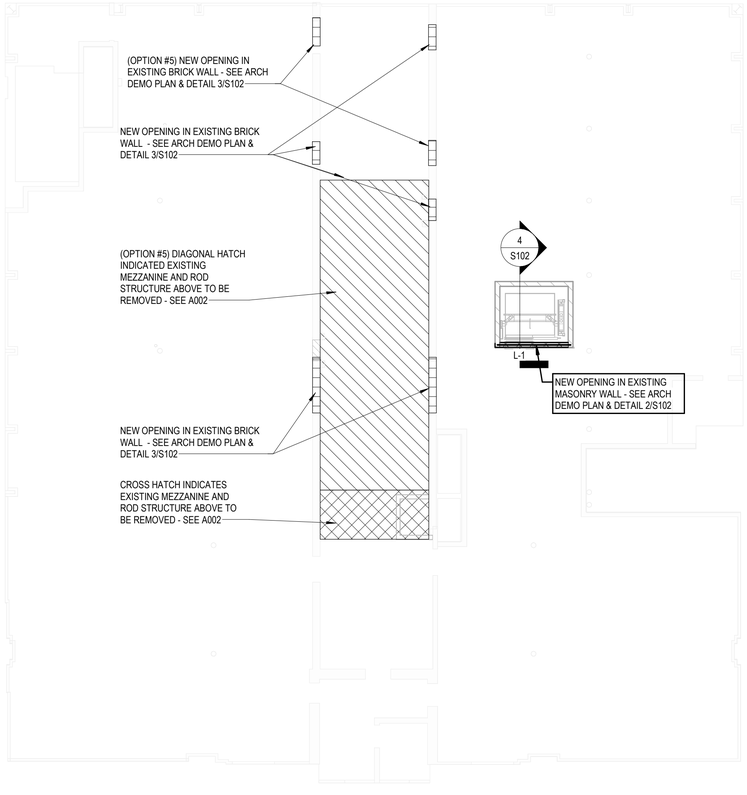
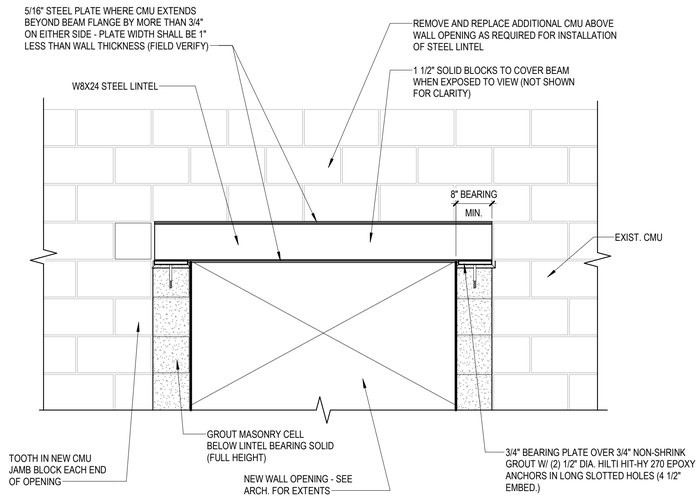


1 THIRD FLOOR
SCALE: 1" = 10'-0"



2 TYPICAL STEEL LINTEL ABOVE NEW OPENING IN EXISTING CMU WALL
SCALE: 3/4" = 1'-0"

FLOOR FRAMING PLAN NOTES:

A. REFERENCE SHEET S00 FOR STRUCTURAL NOTES

B. REFERENCE SHEET S101 & S102 FOR TYPICAL DETAILS NOT NECESSARILY INDICATED ON PLAN.

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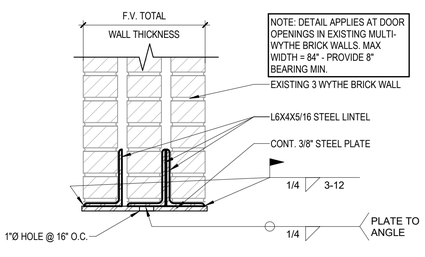
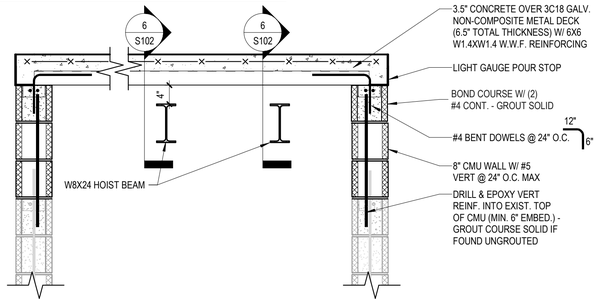
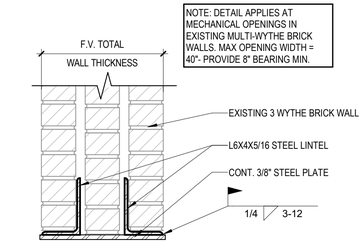


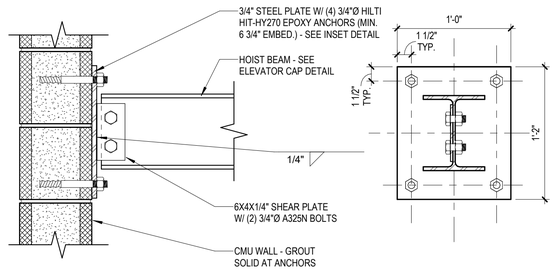
3 STEEL LINTEL AT BRICK WALL
SCALE: 1 1/2" = 1'-0"



4 ELEVATOR CAP DETAIL
SCALE: 3/4" = 1'-0"

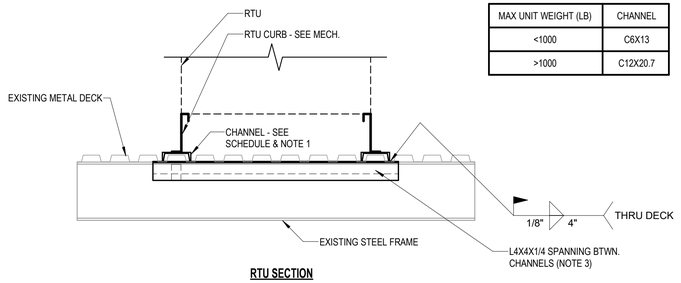


5 TYPICAL LINTEL AT DUCTWORK OPENING
SCALE: 1 1/2" = 1'-0"



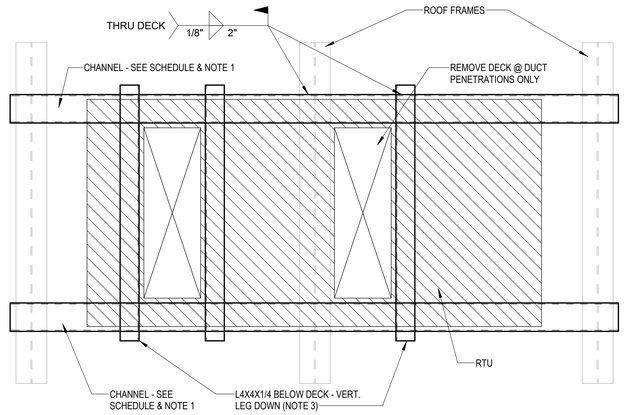
6 HOIST BEAM AT MASONRY WALL
SCALE: 1 1/2" = 1'-0"

NOTES:
1. INSTALL CHANNELS FROM TOP SIDE. LOCATE IN DECK FLUTES ADJUSTING SPACING IN 6" INCREMENTS TO SUPPORT EDGE OF CURB.
2. POSITION CURB OVER CHANNELS AND LOCATE REQUIRED DUCT PENETRATIONS THRU ROOF. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZES.
3. POSITION ANGLES BELOW DECK AND WELD TO CHANNELS THRU DECK FROM TOP SIDE. (OMIT CROSS ANGLE IF DECK OVERHANG DOES NOT EXCEED 1'-0" AND DECK HAS MINIMUM BACKSPAN = 2X OVERHANG DIMENSION.)
4. CUT ROOF DECK ONLY AS REQUIRED FOR DUCT PENETRATIONS.



MAX UNIT WEIGHT (LB)	CHANNEL
<1000	C6X13
>1000	C12X20.7

RTU SECTION



RTU PLAN VIEW

7 TYPICAL RTU SUPPORT FRAMING
SCALE: 3/4" = 1'-0"

LICENSED STRUCTURAL ENGINEER
JOSHUA M. PEARCE
081.007909
STATE OF ILLINOIS
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SHEET 25 OF 66

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SYMBOL LEGEND

HVAC PIPING

- LPS — LOW PRESSURE STEAM
- LPR — LOW PRESSURE RETURN
- MPS — MEDIUM PRESSURE STEAM
- MPR — MEDIUM PRESSURE RETURN
- HPS — HIGH PRESSURE STEAM
- HPR — HIGH PRESSURE RETURN
- PC — PUMPED CONDENSATE
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- HPWS — HEAT PUMP WATER SUPPLY
- HPWR — HEAT PUMP WATER RETURN
- GHWS — GLYCOL HOT WATER SUPPLY
- GHWR — GLYCOL HOT WATER RETURN
- BBD — BOILER BLOW DOWN
- ES — EXHAUST STEAM
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- GCWS — GLYCOL CHILLED WATER SUPPLY
- GCWR — GLYCOL CHILLED WATER RETURN
- RL — REFRIGERANT LIQUID LINE
- RS — REFRIGERANT SUCTION LINE
- RDL — REFRIGERANT DISCHARGE
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- HCWS — HOT/CHILLED WATER SUPPLY
- HCWR — HOT/CHILLED WATER RETURN
- CD — CONDENSATE DRAIN
- G — NATURAL GAS
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- FOV — FUEL OIL VENT
- FOF — FUEL OIL FILL
- FOG — FUEL OIL GAGE
- LPG — LIQUEFIED PETROLEUM GAS

PLUMBING PIPING

- SANITARY DRAIN (ABOVE FLOOR)
- SANITARY DRAIN (BELOW FLOOR)
- ST/OST — STORM DRAIN
- ST/OST — STORM DRAIN (BELOW FLOOR)
- SANITARY VENT
- AW — ACID WASTE
- AV — ACID VENT
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RECIRCULATING (DHWR)
- TW — TEPID WATER
- TWR — TEPID WATER RECIRCULATING
- DSCW — SOFTENED COLD WATER
- DSHW — SOFTENED HOT WATER
- W — BURIED EXTERIOR WATER
- DS — DISTILLED WATER
- DI — DEIONIZED WATER
- RO — REVERSE OSMOSIS WATER
- A — COMPRESSED AIR
- VAC — VACUUM
- OX — OXYGEN
- N — NITROGEN
- WAGD — WASTE AND ANESTHETIC GAS DISPOSAL
- MA — MEDICAL AIR

FIRE PROTECTION

- D — SPRINKLER DRAIN
- F — FIRE SUPPRESSION PIPING
- FIRE DEPARTMENT CONNECTION
- FS — FLOW SWITCH
- TS — TAMPER SWITCH

VALVES

- MANUAL BALANCING VALVE
- ISOLATION VALVE
- CHECK VALVE
- M — CONTROL VALVE (2 WAY)
- M — CONTROL VALVE (3 WAY)
- AUTO FLOW CONTROL VALVE
- HOSE END DRAIN VALVE
- PRESSURE REDUCING VALVE
- S — SOLENOID VALVE
- TEMP & PRESS RELIEF (OR) SAFETY VALVE-STEAM
- THERMOSTATIC MIXING VALVE

PIPING SPECIALTIES AND FITTINGS

- CO — WCO — CLEANOUT / WALL CLEANOUT
- GCO — GRADE CLEANOUT
- DGCO — DOUBLE - GRADE CLEANOUT
- VTR — PLUMBING VENT THRU ROOF
- FD- — FLOOR DRAIN
- FS- — FLOOR SINK
- RD- — ROOF DRAIN
- ORD- — OVERFLOW ROOF DRAIN
- TRENCH DRAIN
- MH — MANHOLE
- OXYGEN OUTLET
- VACUUM OUTLET
- AIR OUTLET
- NITROGEN OUTLET
- WASTE AND ANESTHETIC GAS DISPOSAL OUTLET
- MA — MEDICAL AIR OUTLET
- PIPE CAP
- ELBOW UP
- ELBOW DOWN
- TEE
- TEE UP
- TEE DOWN
- STRAINER
- UNION
- AIR VENT
- FLEXIBLE PIPE CONNECTION
- EXPANSION JOINT
- PIPE ANCHOR
- PIPE GUIDE
- THERMOMETER
- PRESSURE GAUGE
- HB — HOSE BIBB
- RHY — ROOF HYDRANT
- WH — WALL HYDRANT
- STEAM TRAP

MISCELLANEOUS SYMBOLS

- DEMO / EXISTING — DEMO TO EXISTING CONNECTION
- NEW / EXISTING — NEW TO EXISTING CONNECTION

HVAC DUCTWORK AND SPECIALTIES

- 18x10 — RECT DUCT-1ST FIG IS SIDE SHOWN
- 18 Ø — ROUND DUCT
- 18/10 — FLAT OVAL DUCT-1ST FIG IS SIDE SHOWN
- ACOUSTICAL DUCT LINER

HVAC DUCTWORK AND SPECIALTIES (CONT.)

- FLEXIBLE DUCTWORK CONNECTION
- VOLUME DAMPER
- TURNING VANES
- HIGH EFFICIENCY TAKEOFF
- HIGH EFFICIENCY TAKOFF WITH VOLUME DAMPER
- SUPPLY AND FRESH AIR DUCT UP
- SUPPLY AND FRESH AIR DUCT DOWN
- RETURN DUCT UP
- RETURN DUCT DOWN
- EXHAUST DUCT UP
- EXHAUST DUCT DOWN
- ROUND DUCT UP / DOUBLE LINE PIPE
- ROUND DUCT DOWN / DOUBLE LINE PIPE
- SIZE/TYPE / FLOW — AIR TERMINAL (VERTICAL MOUNTING)
- SIZE/TYPE / FLOW — ROUND AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR SUPPLY AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR RETURN AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR EXHAUST AIR TERMINAL (HORIZONTAL MOUNTING)
- AFS — AIR FLOW STATION
- MOTORIZED DAMPER-PARALLEL BLADE
- MOTORIZED DAMPER-OPPOSED BLADE
- GRAVITY DAMPER
- F — FIRE DAMPER-HORIZ FIRE SEPARATION
- S — SMOKE DAMPER
- FS — FIRE/SMOKE DAMPER
- FLEXIBLE DUCT
- T — THERMOSTAT
- H — HUMIDISTAT
- S — TEMPERATURE SENSOR
- CO — CARBON MONOXIDE SENSOR
- CO2 — CARBON DIOXIDE SENSOR
- NO2 — NITROGEN DIOXIDE SENSOR
- X — SENSOR WITH GUARD

REFERENCE LEGEND

DUCT SIZE
- X" ∅ — DIAMETER
- X"xX" — WIDTH x HEIGHT
- X"/X" — WIDTH / HEIGHT

PIPE SIZE
- X" — PIPE SIZE (DIAMETER)

PLUMBING FIXTURES
- XXX-1 — PLUMBING FIXTURE DESIGNATION

ROOM / SPACE NUMBER
- ROOM NAME — ROOM NAME DESIGNATION
- 101 — ROOM NUMBER DESIGNATION

EQUIPMENT NUMBER
- XX-1 — EQUIPMENT NUMBER

REFERENCE DEMOLITION NOTE
- X — DEMOLITION DESIGNATION

REFERENCE NOTE
- X — REFERENCE DESIGNATION

PLAN DETAIL
- X / XXXX — DETAIL NUMBER / SHEET NUMBER

SECTION/ DETAIL
- SIM/OPP
- X / XXXX — SECTION/DETAIL NUMBER / SHEET NUMBER
- INDICATES DIRECTION OF VIEW

NEW COLUMN
- X — LETTER/NUMBER INDICATES NEW COLUMN LINE

EXISTING COLUMN
- X — LETTER/NUMBER INDICATES EXISTING COLUMN LINE

MATCHLINE
- AREA A
- AREA B

LEVEL
- LEVEL CALLOUT DESIGNATION
- NAME / ELEVATION
- ELEVATION DESIGNATION

- GRAPHIC AREA FOR DRAWING

TITLE MARKER
- DRAWING/DETAIL NUMBER
- 1 / SCALE: 1/8" = 1'-0" — VIEW NAME — TITLE
- SCALE OF THE DRAWING

NORTH ARROW

NORTH | PLAN NORTH | TRUE NORTH

ABBREVIATIONS

A	COMPRESSED AIR
AC	AIR COMPRESSOR
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AD	AIR DOOR
AFCV	AUTO FLOW CONTROL VALVE
AHU	AIR HANDLING UNIT
AMP	AMPERE
APD	AIR PRESSURE DROP
ARU	AIR ROTATION UNIT
AS	AIR SEPARATOR
ASHP	AIR SOURCE HEAT PUMP
AV	ACID VENT
AW	ACID WASTE
B	BOILER
BC	BLOWER COIL
BD	BIDET
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BLKG	BLOCKING
BLV	BALANCING VALVE
BT	BATHTUB
BV	BALL VALVE
BW	BEDPAN WASHER
CH	CHILLER
CC	COOLING COIL
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CMU	COMBINATION UNITS
CR	CONDENSER WATER RETURN
CRAC	COMPUTER ROOM AIR CONDITIONER
CS	CONDENSER WATER SUPPLY
CSS	CLINICAL SERVICE SINKS
CT	COOLING TOWER
CU	CONDENSING UNIT - SPLIT SYSTEM
CUH	CABINET HEATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DB	DRY-BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DEG	DEGREE
DF	DRINKING FOUNTAIN
DGCO	DOUBLE GRADE CLEANOUT
DH	EMERGENCY DRENCH HOSES
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATING
DHWP	DOMESTIC HOT WATER RECIRCULATING PUMP
DI	DEIONIZED WATER
DOAS	DEDICATED OUTDOOR AIR SYSTEM
DS	DISTILLED WATER
DSA	DUCT SOUND ATTENUATORS
DSCW	DOMESTIC SOFT COLD WATER
DSHW	DOMESTIC SOFT HOT WATER
DSHWR	DOMESTIC SOFT HOT WATER RECIRCULATING
DSS	DUCTLESS SPLIT SYSTEM
DST	DOMESTIC STORAGE TANK
DTW	DOMESTIC TEPID WATER
DTWR	DOMESTIC TEPID WATER RECIRCULATING
DWET	DOMESTIC WATER EXPANSION TANK
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EEW	EMERGENCY EYE WASH
EEWS	EMERGENCY EYE WASH/SHOWER
EF	EXHAUST FAN
EFF	EFFICIENCY
EFW	EMERGENCY FACE WASH
EH	EXHAUST HOOD
ERV	ENERGY RECOVERY VENTILATOR
ES	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
F	FIRE SUPPRESSION PIPING
F-	FURNACE
FC	FLUID COOLER
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
FSD	FIRE/SMOKE DAMPER
FT	FINNED TUBE
G	GAS
GCWR	GLYCOL CHILLED WATER RETURN
GCWS	GLYCOL CHILLED WATER SUPPLY
GD	GARBAGE DISPOSAL
GDH	GAS DUCT HEATER
GHCR	GLYCOL HOT/CHILLED WATER RETURN
GHCS	GLYCOL HOT/CHILLED WATER SUPPLY
GHWR	GLYCOL HOT WATER RETURN
GHWS	GLYCOL HOT WATER SUPPLY
GI	GREASE INTERCEPTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GAS VENT
GWH	GAS WATER HEATER
H	HUMIDIFIER
HB	HOSE BIBB
HC	HEATING COIL
HCR	HOT/CHILLED WATER RETURN
HCS	HOT/CHILLED WATER SUPPLY
HP	HORSEPOWER
HP-	HEAT PUMP
HPR	HIGH PRESSURE RETURN
HPS	HIGH PRESURE STEAM
HRC	HEAT RECOVERY COIL
HVLS	HIGH VOLUME LOW SPEED
HWR	HOT WATER RETURN (HEATING)
HWS	HOT WATER SUPPLY (HEATING)
HX	HEAT EXCHANGER
HY	HYDRANTS
IH	INTAKE HOOD
IRH	INFRARED RADIANT HEATER
KH	KITCHEN HOOD
KW	KILOWATT
KWH	KILOWATT HOURS
L	LAVATORY
LAT	LEAVING AIR TEMPERATURE
LPR	LOW PRESSURE RETURN
LPG	LIQUIFIED PETROLEUM GAS
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LS	LAUNDRY SINK
LV	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTUH
MCA	MINIMUM CIRCUIT AMPS
MD	MOTORIZED DAMPER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPR	MEDIUM PRESSURE RETURN
MPS	MEDIUM PRESSURE STEAM
MS	MOP SINK
N	NITROGEN
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NPCW	NONPOTABLE COLD WATER
NPHW	NONPOTABLE HOT WATER
NPHWR	NONPOTABLE HOT WATER RECIRCULATING
OA	OUTSIDE AIR
OB	OUTLET BOX
OI	OIL INTERCEPTOR
ORD	OVERFLOW ROOF DRAIN
OST	OVERFLOW STORM WATER
OX	OXYGEN
P	PUMP
PHC	PREHEAT COIL
PIV	POST INDICATING VALVE
PRV	PRESSURE REGULATING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH, GAUGE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF AREA DRAINS
RL	REFRIGERANT DISCHARGE LINE
RF	RETURN FAN
RH	RELIEF HOOD
RHC	REHEAT COIL
RH	ROOF HYDRANT
RL	REFRIGERANT LIQUID LINE
RLA	RELIEF AIR
RLF	RELIEF FAN
RO	REVERSE OSMOSIS WATER
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION LINE
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
S	SINK
SA	SUPPLY AIR
SAN	SANITARY SEWER
SD	SMOKE DAMPER
SF	SUPPLY FAN
SFU	SANITARY FIXTURE UNIT
SH	SHOWER
SOI	SAND OIL INTERCEPTOR
SP	STATIC PRESSURE
SP	SUMP PUMP
SSS	SURGICAL SCRUB SINK
ST	STORM WATER
T	THERMOSTAT
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TONS	TONS OF REFRIGERATION
TSP	TOTAL STATIC PRESSURE
UH	UNIT HEATER
UR	URINAL
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
WB	WET BULB
WC	WATER CLOSETS
WCO	WALL CLEANOUT
WF	WASH FOUNTAINS
WFU	WATER FIXTURE UNITS
WH	WALL HYDRANT
WMB	WASHING MACHINE BOX
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER
WSHP	WATER SOURCE HEAT PUMP
WWHP	WATER TO WATER HEAT PUMP
YH	YARD HYDRANT

REF. DEMO NOTES (x)

PROJECT FIRE PROTECTION REFERENCED DEMOLITION NOTES

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

GENERAL DEMOLITION NOTES

A. THE DEMOLITION PLANS WERE PRODUCED BY DUPLICATING THE ORIGINAL DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. DIMENSIONS AND EXISTING CONDITIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ITEMS WHICH ARE INTENDED TO BE REMOVED, RELOCATED, OR SALVAGED ARE SHOWN AS FULL-TONE LINES. ALL OTHER ITEMS ARE INTENDED TO REMAIN IN PLACE AND ARE SHOWN AS HALF-TONE.

B. DEMOLITION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE ITEMS LISTED BELOW OR HERE-IN. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED RENOVATION AND NEW CONSTRUCTION WITH THE EXISTING BUILDING TO IDENTIFY THE TOTAL EXTENT OF THE DEMOLITION REQUIRED AND AS LISTED BELOW.

C. THE REMOVAL OF FIRE PROTECTION, HVAC, AND PLUMBING EQUIPMENT FROM FINISHED AREAS AND THROUGH WEATHER BARRIERS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND DETAILS AS WELL AS NOTES ON THE MECHANICAL DRAWING TO ENSURE PROPER PATCHING AND REPAIR IS MADE TO THE BUILDING.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL EXISTING COMPONENTS, MATERIALS, EQUIPMENT, AND APPURTENANCES TO BUILD, ERECT, INSTALL, OR ACCOMMODATE ALL NEW CONSTRUCTION WITH THE OWNER HAVING FIRST RIGHT OF REFUSAL ON ALL ITEMS.

E. ITEMS NOTED TO BE REMOVED AND SALVAGED OR REINSTALLED SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR WITHOUT DAMAGE AND STORED OR REINSTALLED ON THE SITE AS DIRECTED. REMOVED OR SALVAGED ITEMS SHALL REMAIN THE PROPERTY OF THE OWNER.

F. COORDINATE THE DISCONNECTION OF ELECTRICAL MOTORS AND CONTROLS WITH ELECTRICAL CONTRACTOR PRIOR TO MECHANICAL REMOVALS.

G. IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE, MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, LEAD-BASED PAINT, OR ANY OTHER HAZARDOUS MATERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT THEREAFTER BE RESUMED EXCEPT BY WRITTEN AGREEMENT OF THE OWNER AND ARCHITECT.

H. ANY UTILITY OR SYSTEMS DISRUPTION OR OUTAGES DURING DEMOLITION SHALL BE COORDINATED WITH THE OWNER AND GENERAL CONTRACTOR.

REF. NOTES (x)

PROJECT FIRE PROTECTION REFERENCED NOTES

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

GENERAL NOTES

A. THE ENTIRE BUILDING SHALL BE COVERED BY A WET PIPE SPRINKLER SYSTEM, HYDRAULICALLY DESIGNED IN ACCORDANCE WITH NFPA 13.

B. INTERMEDIATE TEMPERATURE CLASSIFICATION SPRINKLER HEADS SHALL BE PROVIDED IN THE MECHANICAL AND ELECTRICAL ROOMS. SPRINKLERS SHALL BE PROVIDED WITH GUARDS.

C. FIRE SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13. CONTRACTOR IS RESPONSIBLE FOR SELECTION OF COMPONENTS BASED ON THIS CRITERION, AND THOSE SET FORTH IN THE SPECIFICATIONS.

D. ALL PIPING IN EITHER CONCEALED OR EXPOSED LOCATIONS SHALL BE ROUTED AT RIGHT ANGLES AND PARALLEL TO BUILDING WALLS UNLESS OTHERWISE INDICATED.

E. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. SUBMIT ENGINEER APPROVED SHOP DRAWINGS TO NPS FIRE MARSHALL FOR FINAL REVIEW. SUBMITTAL SHALL INCLUDE ALL COMPONENTS INCLUDING SPRINKLERS, FLOW SWITCHES, PIPING AND SUPPORTS.

F. THERE IS TO BE NO FIRE PROTECTION WORK ON FIRST FLOOR.

G. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS INSTALLED IN RETURN AIR PLENUM SHALL BE NON-COMBUSTABLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND SMOKE DEVELOPED INDEX NOT TO EXCEED 50 IN ACCORDANCE WITH ASTM E84 OR UL 723.

FIRE PROTECTION SHEET LIST

FP 00 FIRE PROTECTION INFO SHEET
FP101 SECOND FLOOR PLAN - FIRE PROTECTION
FP102 THIRD FLOOR PLAN - FIRE PROTECTION

Exp: 11/30/2025

LICENSED PROFESSIONAL ENGINEER — JEFFREY E KULHANEK — 062-072654 — 8/13/25 — OF ILLINOIS

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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REVISED	
DATE	INITIAL

PREPARED
AJP — DESIGNED
AJP — DRAWN
JEK — CHECKED
08/13/2025 — DATE

TITLE OF SHEET

FIRE PROTECTION INFO SHEET

PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION

11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **FP 00**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. 307087
SHEET 26 OF 66

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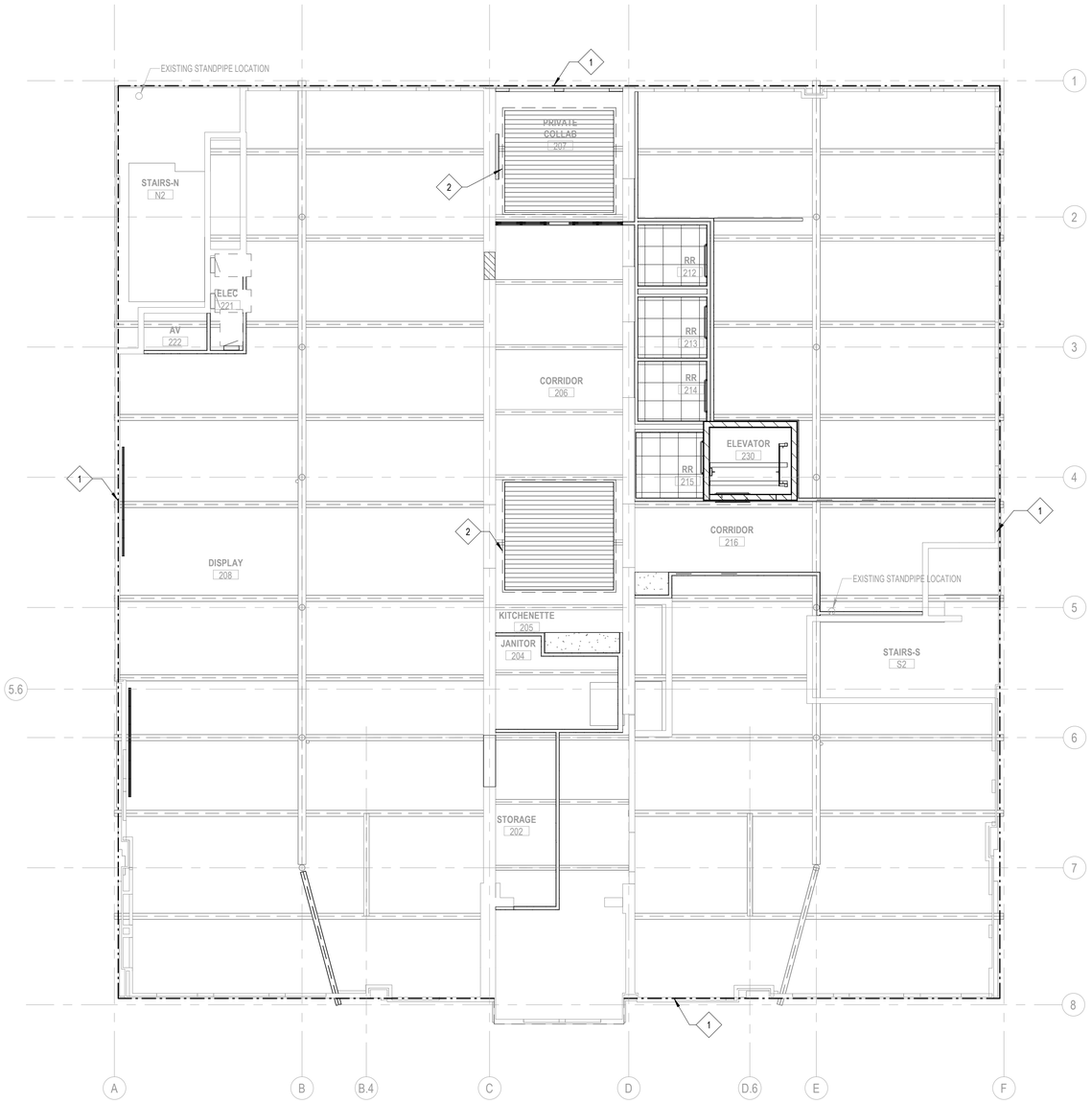

1 SECOND FLOOR PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

2 SECOND FLOOR PLAN - FIRE PROTECTION - OPTIONS 2 & 4
SCALE: 1/8" = 1'-0"

REF. NOTES (X):

1 CONTRACTOR TO MODIFY EXISTING WET-PIPE SPRINKLER SYSTEM SO THAT SYSTEM IS IN ACCORDANCE WITH NFPA 13. CONTRACTOR IS RESPONSIBLE FOR SELECTION OF COMPONENTS BASED ON THIS CRITERION, AND THOSE SET FORTH IN THE SPECIFICATIONS.

2 CONTRACTOR TO COORDINATE INSTALLATION OF SEMI-RECESSED PENDANT TYPE WITH MATCHING PUSH ON ESCUTCHEON PLATE IN WOOD SLAT CEILING.

NORTH

Exp: 11/30/2025
LICENSED PROFESSIONAL ENGINEER
JEFFREY E KULHANEK
062-072654
8/13/25
OF ILLINOIS

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AJP DESIGNED
AJP DRAWN
JEK CHECKED
08/13/2025 DATE

TITLE OF SHEET
SECOND FLOOR PLAN - FIRE PROTECTION
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **FP101**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **27** OF **66**

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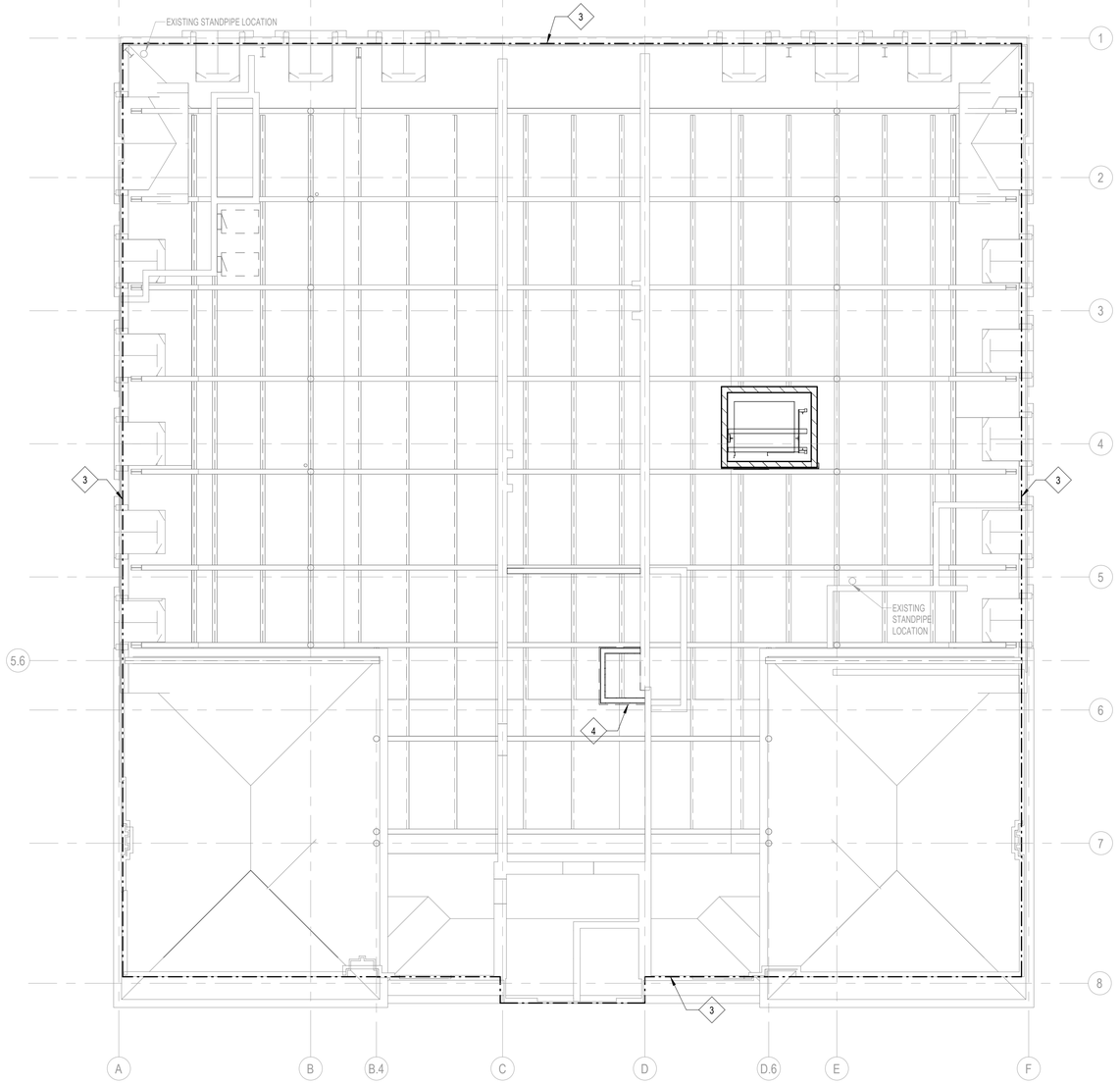
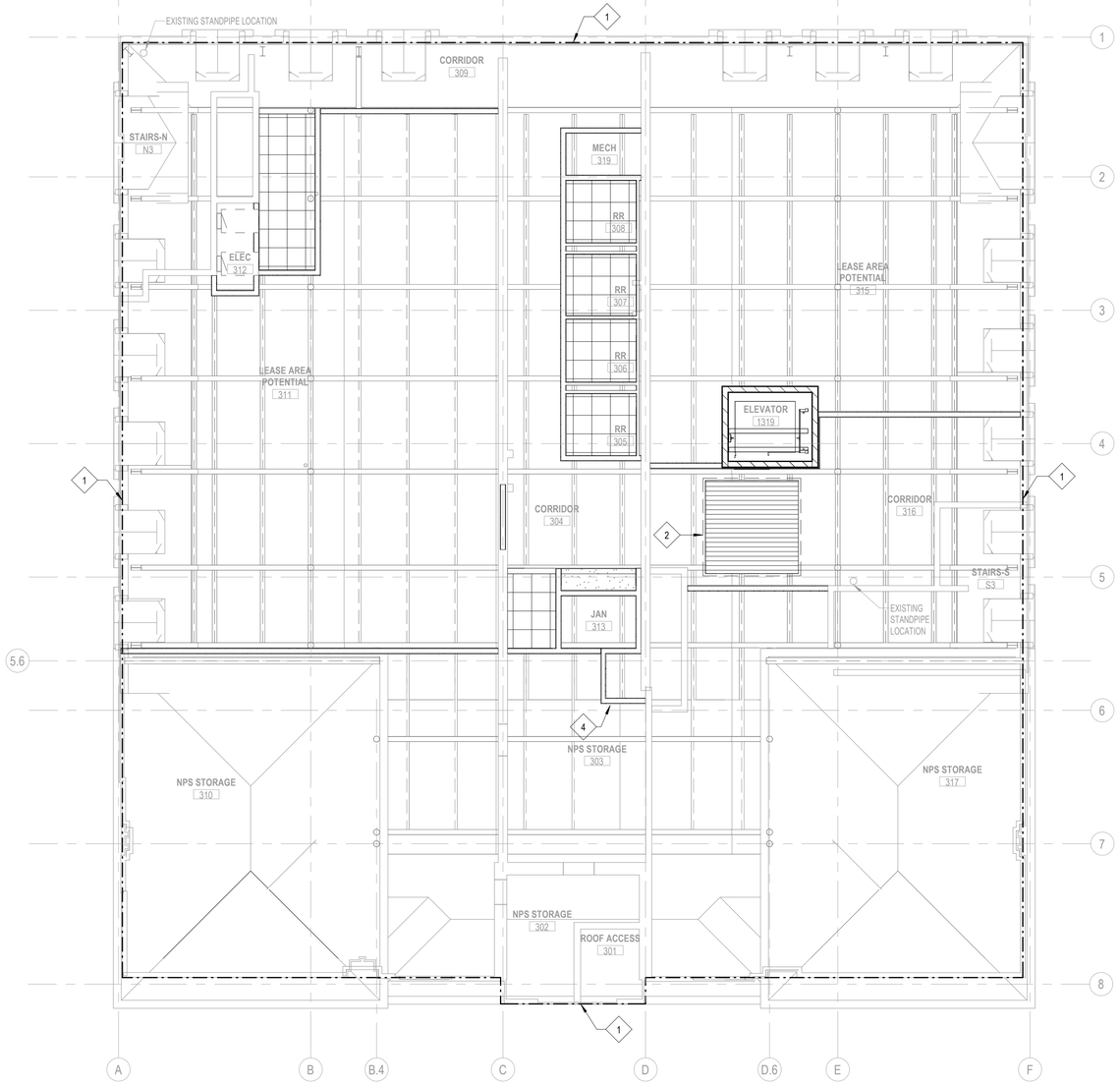


1 THIRD FLOOR - FIRE PROTECTION
SCALE: 1/8" = 1'-0"



2 THIRD FLOOR PLAN - FIRE PROTECTION - OPTION 6
SCALE: 1/8" = 1'-0"

REF. NOTES (◇X◇):

1. CONTRACTOR TO MODIFY EXISTING WET-PIPE SPRINKLER SYSTEM SO THAT SYSTEM IS IN ACCORDANCE WITH NFPA 13. CONTRACTOR IS RESPONSIBLE FOR SELECTION OF COMPONENTS BASED ON THIS CRITERION, AND THOSE SET FORTH IN THE SPECIFICATIONS.
2. CONTRACTOR TO COORDINATE INSTALLATION OF SEMI-RECESSED PENDANT TYPE WITH MATCHING PUSH ON ESCUTCHEON PLATE IN WOOD SLAT CEILING.
3. EXISTING WET-PIPE FIRE SPRINKLER SYSTEM TO REMAIN.
4. CONTRACTOR TO MODIFY SPRINKLER/FIRE SPRINKLER PIPING IF LOCATED IN CHASE LOCATION. IF REQUIRED, MAINTAIN NFPA 13 COMPLIANCE.

NORTH

Exp: 11/30/2025
LICENSED PROFESSIONAL ENGINEER
JEFFREY E KULHANEK
062-072654
8/13/25
OF ILLINOIS

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AJP DESIGNED
AJP DRAWN
JEK CHECKED
08/13/2025 DATE

TITLE OF SHEET
THIRD FLOOR PLAN - FIRE PROTECTION
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **FP102**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **28** OF **66**

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SYMBOL LEGEND

HVAC PIPING

- LPS — LOW PRESSURE STEAM
- LPR — LOW PRESSURE RETURN
- MPS — MEDIUM PRESSURE STEAM
- MPR — MEDIUM PRESSURE RETURN
- HPS — HIGH PRESSURE STEAM
- HPR — HIGH PRESSURE RETURN
- PC — PUMPED CONDENSATE
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- HPWS — HEAT PUMP WATER SUPPLY
- HPWR — HEAT PUMP WATER RETURN
- GHWS — GLYCOL HOT WATER SUPPLY
- GHWR — GLYCOL HOT WATER RETURN
- BBD — BOILER BLOW DOWN
- ES — EXHAUST STEAM
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- GCWS — GLYCOL CHILLED WATER SUPPLY
- GCWR — GLYCOL CHILLED WATER RETURN
- RL — REFRIGERANT LIQUID LINE
- RS — REFRIGERANT SUCTION LINE
- RDL — REFRIGERANT DISCHARGE
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- HCWS — HOT/CHILLED WATER SUPPLY
- HCWR — HOT/CHILLED WATER RETURN
- CD — CONDENSATE DRAIN
- G — NATURAL GAS
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- FOV — FUEL OIL VENT
- FOF — FUEL OIL FILL
- FOG — FUEL OIL GAGE
- LPG — LIQUEFIED PETROLEUM GAS

PLUMBING PIPING

- SANITARY DRAIN (ABOVE FLOOR)
- SANITARY DRAIN (BELOW FLOOR)
- ST/OST — STORM DRAIN
- ST/OST — STORM DRAIN (BELOW FLOOR)
- SANITARY VENT
- AW — ACID WASTE
- AV — ACID VENT
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RECIRCULATING (DHWR)
- TW — TEPID WATER
- TWR — TEPID WATER RECIRCULATING
- DSCW — SOFTENED COLD WATER
- DSHW — SOFTENED HOT WATER
- W — BURIED EXTERIOR WATER
- DS — DISTILLED WATER
- DI — DEIONIZED WATER
- RO — REVERSE OSMOSIS WATER
- A — COMPRESSED AIR
- VAC — VACUUM
- OX — OXYGEN
- N — NITROGEN
- WAGD — WASTE AND ANESTHETIC GAS DISPOSAL
- MA — MEDICAL AIR

FIRE PROTECTION

- D — SPRINKLER DRAIN
- F — FIRE SUPPRESSION PIPING
- FIRE DEPARTMENT CONNECTION
- FS — FLOW SWITCH
- TS — TAMPER SWITCH

VALVES

- MANUAL BALANCING VALVE
- ISOLATION VALVE
- CHECK VALVE
- M — CONTROL VALVE (2 WAY)
- M — CONTROL VALVE (3 WAY)
- AUTO FLOW CONTROL VALVE
- HOSE END DRAIN VALVE
- PRESSURE REDUCING VALVE
- S — SOLENOID VALVE
- T&P — TEMP & PRESS RELIEF (OR) SAFETY VALVE-STEAM
- THERMOSTATIC MIXING VALVE

PIPING SPECIALTIES AND FITTINGS

- CO — WCO — CLEANOUT / WALL CLEANOUT
- GCO — GRADE CLEANOUT
- DGCO — DOUBLE - GRADE CLEANOUT
- VTR — PLUMBING VENT THRU ROOF
- FD- — FLOOR DRAIN
- FS- — FLOOR SINK
- RD- — ROOF DRAIN
- ORD- — OVERFLOW ROOF DRAIN
- TRENCH DRAIN
- MH — MANHOLE
- OXYGEN OUTLET
- VACUUM OUTLET
- AIR OUTLET
- NITROGEN OUTLET
- WASTE AND ANESTHETIC GAS DISPOSAL OUTLET
- MA — MEDICAL AIR OUTLET
- PIPE CAP
- ELBOW UP
- ELBOW DOWN
- TEE
- TEE UP
- TEE DOWN
- STRAINER
- UNION
- AIR VENT
- FLEXIBLE PIPE CONNECTION
- EXPANSION JOINT
- PIPE ANCHOR
- PIPE GUIDE
- THERMOMETER
- PRESSURE GAUGE
- HB — HOSE BIBB
- RHY — ROOF HYDRANT
- WH — WALL HYDRANT
- STEAM TRAP

MISCELLANEOUS SYMBOLS

- DEMO / EXISTING — DEMO TO EXISTING CONNECTION
- NEW / EXISTING — NEW TO EXISTING CONNECTION

HVAC DUCTWORK AND SPECIALTIES

- 18x10 — RECT DUCT-1ST FIG IS SIDE SHOWN
- 18 Ø — ROUND DUCT
- 18/10 — FLAT OVAL DUCT-1ST FIG IS SIDE SHOWN
- ACOUSTICAL DUCT LINER

HVAC DUCTWORK AND SPECIALTIES (CONT.)

- FLEXIBLE DUCTWORK CONNECTION
- VOLUME DAMPER
- TURNING VANES
- HIGH EFFICIENCY TAKEOFF
- HIGH EFFICIENCY TAKOFF WITH VOLUME DAMPER
- SUPPLY AND FRESH AIR DUCT UP
- SUPPLY AND FRESH AIR DUCT DOWN
- RETURN DUCT UP
- RETURN DUCT DOWN
- EXHAUST DUCT UP
- EXHAUST DUCT DOWN
- ROUND DUCT UP / DOUBLE LINE PIPE
- ROUND DUCT DOWN / DOUBLE LINE PIPE
- SIZE/TYPE / FLOW — AIR TERMINAL (VERTICAL MOUNTING)
- SIZE/TYPE / FLOW — ROUND AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR SUPPLY AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR RETURN AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR EXHAUST AIR TERMINAL (HORIZONTAL MOUNTING)
- AFS — AIR FLOW STATION
- MOTORIZED DAMPER-PARALLEL BLADE
- MOTORIZED DAMPER-OPPOSED BLADE
- GRAVITY DAMPER
- F — FIRE DAMPER-HORIZ FIRE SEPARATION
- S — SMOKE DAMPER
- FS — FIRE/SMOKE DAMPER
- FLEXIBLE DUCT
- T — THERMOSTAT
- H — HUMIDISTAT
- S — TEMPERATURE SENSOR
- CO — CARBON MONOXIDE SENSOR
- CO2 — CARBON DIOXIDE SENSOR
- NO2 — NITROGEN DIOXIDE SENSOR
- X — SENSOR WITH GUARD

REFERENCE LEGEND

DUCT SIZE
- X" ∅ — DIAMETER
- X"xX" — WIDTH x HEIGHT
- X"/X" — WIDTH / HEIGHT

PIPE SIZE
- X" — PIPE SIZE (DIAMETER)

PLUMBING FIXTURES
- XXX-1 — PLUMBING FIXTURE DESIGNATION

ROOM / SPACE NUMBER
- ROOM NAME — ROOM NAME DESIGNATION
- 101 — ROOM NUMBER DESIGNATION

EQUIPMENT NUMBER
- XX-1 — EQUIPMENT NUMBER

REFERENCE DEMOLITION NOTE
- X — DEMOLITION DESIGNATION

REFERENCE NOTE
- X — REFERENCE DESIGNATION

PLAN DETAIL
- X — DETAIL NUMBER
- XXXX — SHEET NUMBER

SECTION/ DETAIL
- X — SECTION/DETAIL NUMBER
- SIM/OPP
- XXXX — SHEET NUMBER
- INDICATES DIRECTION OF VIEW

NEW COLUMN
- X — LETTER/NUMBER INDICATES NEW COLUMN LINE

EXISTING COLUMN
- X — LETTER/NUMBER INDICATES EXISTING COLUMN LINE

MATCHLINE
- AREA A
- AREA B

LEVEL
- LEVEL CALLOUT DESIGNATION
- NAME / ELEVATION
- ELEVATION DESIGNATION

- GRAPHIC AREA FOR DRAWING

TITLE MARKER
- DRAWING/DETAIL NUMBER
- 1 — VIEW NAME — TITLE
- SCALE: 1/8" = 1'-0" — SCALE OF THE DRAWING

NORTH ARROW

NORTH | PLAN NORTH | TRUE NORTH

ABBREVIATIONS

A	COMPRESSED AIR
AC	AIR COMPRESSOR
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AD	AIR DOOR
AFCV	AUTO FLOW CONTROL VALVE
AHU	AIR HANDLING UNIT
AMP	AMPERE
APD	AIR PRESSURE DROP
ARU	AIR ROTATION UNIT
AS	AIR SEPARATOR
ASHP	AIR SOURCE HEAT PUMP
AV	ACID VENT
AW	ACID WASTE
B	BOILER
BC	BLOWER COIL
BD	BIDET
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BLKG	BLOCKING
BLV	BALANCING VALVE
BT	BATHTUB
BV	BALL VALVE
BW	BEDPAN WASHER
CH	CHILLER
CC	COOLING COIL
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CMU	COMBINATION UNITS
CR	CONDENSER WATER RETURN
CRAC	COMPUTER ROOM AIR CONDITIONER
CS	CONDENSER WATER SUPPLY
CSS	CLINICAL SERVICE SINKS
CT	COOLING TOWER
CU	CONDENSING UNIT - SPLIT SYSTEM
CUH	CABINET HEATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DB	DRY-BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DEG	DEGREE
DF	DRINKING FOUNTAIN
DGCO	DOUBLE GRADE CLEANOUT
DH	EMERGENCY DRENCH HOSES
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATING
DHWP	DOMESTIC HOT WATER RECIRCULATING PUMP
DI	DEIONIZED WATER
DOAS	DEDICATED OUTDOOR AIR SYSTEM
DS	DISTILLED WATER
DSA	DUCT SOUND ATTENUATORS
DSCW	DOMESTIC SOFT COLD WATER
DSHW	DOMESTIC SOFT HOT WATER
DSHWR	DOMESTIC SOFT HOT WATER RECIRCULATING
DSS	DUCTLESS SPLIT SYSTEM
DST	DOMESTIC STORAGE TANK
DTW	DOMESTIC TEPID WATER
DTWR	DOMESTIC TEPID WATER RECIRCULATING
DWET	DOMESTIC WATER EXPANSION TANK
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EEW	EMERGENCY EYE WASH
EEWS	EMERGENCY EYE WASH/SHOWER
EF	EXHAUST FAN
EFF	EFFICIENCY
EFW	EMERGENCY FACE WASH
EH	EXHAUST HOOD
ERV	ENERGY RECOVERY VENTILATOR
ES	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
F	FIRE SUPPRESSION PIPING
F-	FURNACE
FC	FLUID COOLER
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
FSD	FIRE/SMOKE DAMPER
FT	FINNED TUBE
G	GAS
GCWR	GLYCOL CHILLED WATER RETURN
GCWS	GLYCOL CHILLED WATER SUPPLY
GD	GARBAGE DISPOSAL
GDH	GAS DUCT HEATER
GHCR	GLYCOL HOT/CHILLED WATER RETURN
GHCS	GLYCOL HOT/CHILLED WATER SUPPLY
GHWR	GLYCOL HOT WATER RETURN
GHWS	GLYCOL HOT WATER SUPPLY
GI	GREASE INTERCEPTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GAS VENT
GWH	GAS WATER HEATER
H	HUMIDIFIER
HB	HOSE BIBB
HC	HEATING COIL
HCR	HOT/CHILLED WATER RETURN
HCS	HOT/CHILLED WATER SUPPLY
HP	HORSEPOWER
HP-	HEAT PUMP
HPR	HIGH PRESSURE RETURN
HPS	HIGH PRESURE STEAM
HRC	HEAT RECOVERY COIL
HVLS	HIGH VOLUME LOW SPEED
HWR	HOT WATER RETURN (HEATING)
HWS	HOT WATER SUPPLY (HEATING)
HX	HEAT EXCHANGER
HY	HYDRANTS
IH	INTAKE HOOD
IRH	INFRARED RADIANT HEATER
KH	KITCHEN HOOD
KW	KILOWATT
KWH	KILOWATT HOURS
L	LAVATORY
LAT	LEAVING AIR TEMPERATURE
LPR	LOW PRESSURE RETURN
LPG	LIQUIFIED PETROLEUM GAS
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LS	LAUNDRY SINK
LV	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTUH
MCA	MINIMUM CIRCUIT AMPS
MD	MOTORIZED DAMPER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPR	MEDIUM PRESSURE RETURN
MPS	MEDIUM PRESSURE STEAM
MS	MOP SINK
N	NITROGEN
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NPCW	NONPOTABLE COLD WATER
NPHW	NONPOTABLE HOT WATER
NPHWR	NONPOTABLE HOT WATER RECIRCULATING
OA	OUTSIDE AIR
OB	OUTLET BOX
OI	OIL INTERCEPTOR
ORD	OVERFLOW ROOF DRAIN
OST	OVERFLOW STORM WATER
OX	OXYGEN
P	PUMP
PHC	PREHEAT COIL
PIV	POST INDICATING VALVE
PRV	PRESSURE REGULATING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH, GAUGE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF AREA DRAINS
RL	REFRIGERANT DISCHARGE LINE
RF	RETURN FAN
RH	RELIEF HOOD
RHC	REHEAT COIL
RH	ROOF HYDRANT
RL	REFRIGERANT LIQUID LINE
RLA	RELIEF AIR
RLF	RELIEF FAN
RO	REVERSE OSMOSIS WATER
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION LINE
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
S	SINK
SA	SUPPLY AIR
SAN	SANITARY SEWER
SD	SMOKE DAMPER
SF	SUPPLY FAN
SFU	SANITARY FIXTURE UNIT
SH	SHOWER
SOI	SAND OIL INTERCEPTOR
SP	STATIC PRESSURE
SP	SUMP PUMP
SSS	SURGICAL SCRUB SINK
ST	STORM WATER
T	THERMOSTAT
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TONS	TONS OF REFRIGERATION
TSP	TOTAL STATIC PRESSURE
UH	UNIT HEATER
UR	URINAL
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
WB	WET BULB
WC	WATER CLOSETS
WCO	WALL CLEANOUT
WF	WASH FOUNTAINS
WFU	WATER FIXTURE UNITS
WH	WALL HYDRANT
WMB	WASHING MACHINE BOX
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER
WSHP	WATER SOURCE HEAT PUMP
WWHP	WATER TO WATER HEAT PUMP
YH	YARD HYDRANT

REF. DEMO NOTES (x)

PROJECT PLUMBING REFERENCED DEMOLITION NOTES

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

GENERAL DEMOLITION NOTES

A. THE DEMOLITION PLANS WERE PRODUCED BY DUPLICATING THE ORIGINAL DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. DIMENSIONS AND EXISTING CONDITIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ITEMS WHICH ARE INTENDED TO BE REMOVED, RELOCATED, OR SALVAGED ARE SHOWN AS FULL-TONE LINES. ALL OTHER ITEMS ARE INTENDED TO REMAIN IN PLACE AND ARE SHOWN AS HALF-TONE.

B. DEMOLITION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE ITEMS LISTED BELOW OR HERE-IN. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED RENOVATION AND NEW CONSTRUCTION WITH THE EXISTING BUILDING TO IDENTIFY THE TOTAL EXTENT OF THE DEMOLITION REQUIRED AND AS LISTED BELOW.

C. THE REMOVAL OF FIRE PROTECTION, HVAC, AND PLUMBING EQUIPMENT FROM FINISHED AREAS AND THROUGH WEATHER BARRIERS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND DETAILS AS WELL AS NOTES ON THE MECHANICAL DRAWING TO ENSURE PROPER PATCHING AND REPAIR IS MADE TO THE BUILDING.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL EXISTING COMPONENTS, MATERIALS, EQUIPMENT, AND APPURTENANCES TO BUILD, ERECT, INSTALL, OR ACCOMMODATE ALL NEW CONSTRUCTION WITH THE OWNER HAVING FIRST RIGHT OF REFUSAL ON ALL ITEMS.

E. ITEMS NOTED TO BE REMOVED AND SALVAGED OR REINSTALLED SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR WITHOUT DAMAGE AND STORED OR REINSTALLED ON THE SITE AS DIRECTED. REMOVED OR SALVAGED ITEMS SHALL REMAIN THE PROPERTY OF THE OWNER.

F. COORDINATE THE DISCONNECTION OF ELECTRICAL MOTORS AND CONTROLS WITH ELECTRICAL CONTRACTOR PRIOR TO MECHANICAL REMOVALS.

G. IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE, MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, LEAD-BASED PAINT, OR ANY OTHER HAZARDOUS MATERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT THEREAFTER BE RESUMED EXCEPT BY WRITTEN AGREEMENT OF THE OWNER AND ARCHITECT.

H. ANY UTILITY OR SYSTEMS DISRUPTION OR OUTAGES DURING DEMOLITION SHALL BE COORDINATED WITH THE OWNER AND GENERAL CONTRACTOR.

REF. NOTES (x)

PROJECT PLUMBING REFERENCED NOTES

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

GENERAL NOTES

A. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.

B. CONTRACTOR SHALL TAKE ALL MEASUREMENTS FOR WORK AND BE RESPONSIBLE FOR SAME. CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO OWNER. COORDINATE THE WORK AND SHOP DRAWINGS WITH ALL OTHER TRADES AFFECTED.

C. IN VIEWING THESE DRAWINGS, THE CONTRACTOR SHALL PAY CLOSE ATTENTION TO THE MATCH LINES. SOME WORK AND NOTE REFERENCES MAY BE REPEATED, BUT DO NOT ALWAYS SHOW ON BOTH SIDES OF THE MATCHLINE.

D. ALL PIPING IN CONCEALED LOCATIONS SHALL BE ROUTED AT RIGHT ANGLES AND PARALLEL TO BUILDING WALLS UNLESS OTHERWISE INDICATED.

E. ALL PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.

F. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS INSTALLED IN RETURN AIR PLENUM SHALL BE NON-COMBUSTABLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND SMOKE DEVELOPED INDEX NOT TO EXCEED 50 IN ACCORDANCE WITH ASTM E84 OR UL 723.

PLUMBING SHEET LIST

P 00	PLUMBING INFO SHEET
P001	FIRST FLOOR DEMOLITION FLOOR PLAN - PLUMBING
P100	BELOW GRADE FLOOR PLAN - PLUMBING
P101	FIRST FLOOR PLAN - PLUMBING
P102	SECOND FLOOR PLAN - PLUMBING
P103	THIRD FLOOR PLAN - PLUMBING
P301	DETAILS - PLUMBING
P401	SANITARY RISER & SCHEDULES - PLUMBING

Exp: 11/30/2025

LICENSED PROFESSIONAL ENGINEER — JEFFREY E KULHANEK — 062-072654 — 8/13/25 — OF ILLINOIS

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DATE	INITIAL

PREPARED
AJP — DESIGNED
AJP — DRAWN
JEK — CHECKED
08/13/2025 — DATE

TITLE OF SHEET
PLUMBING INFO SHEET
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **P 00**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. 307087
SHEET 29 OF 66

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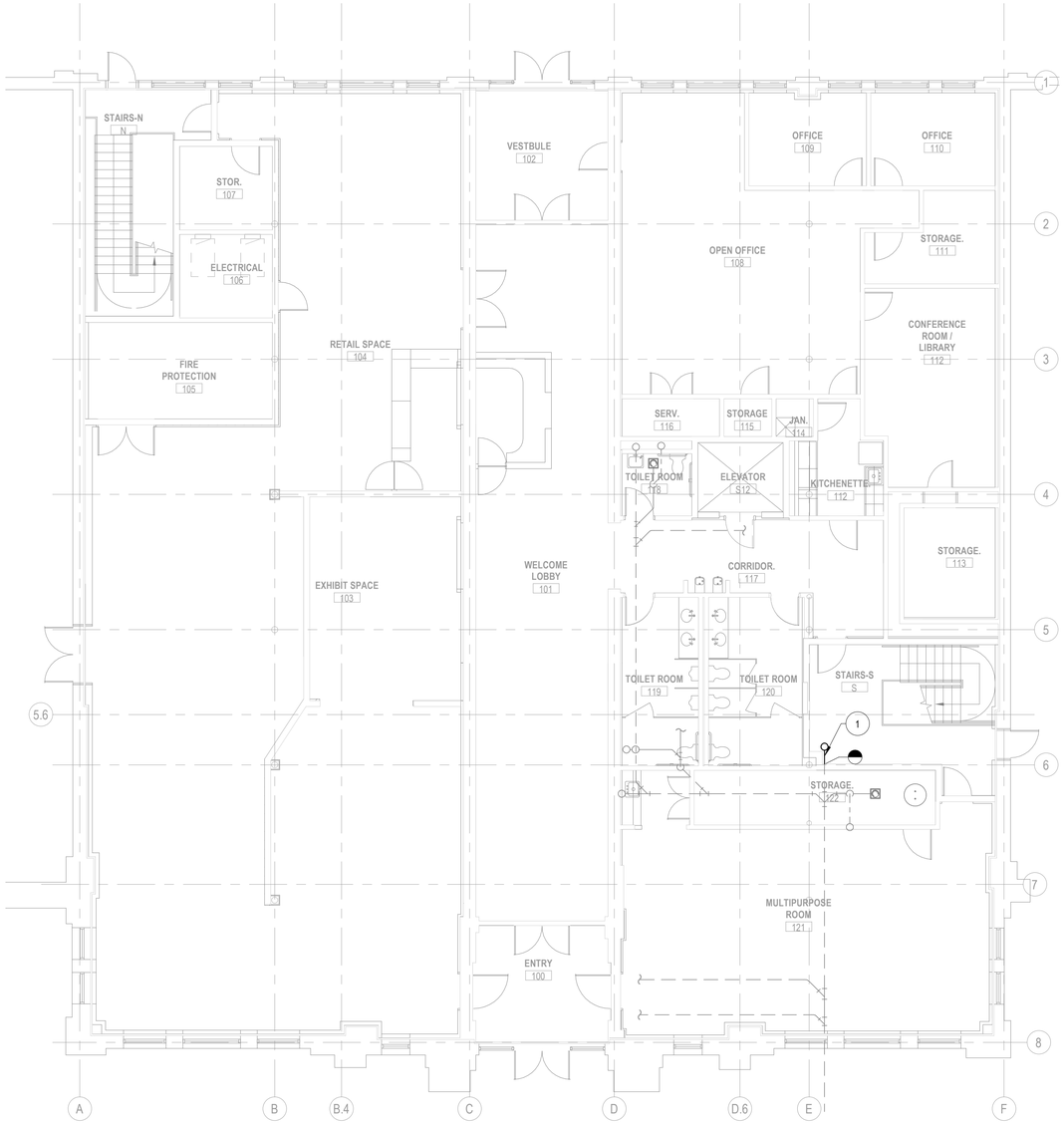
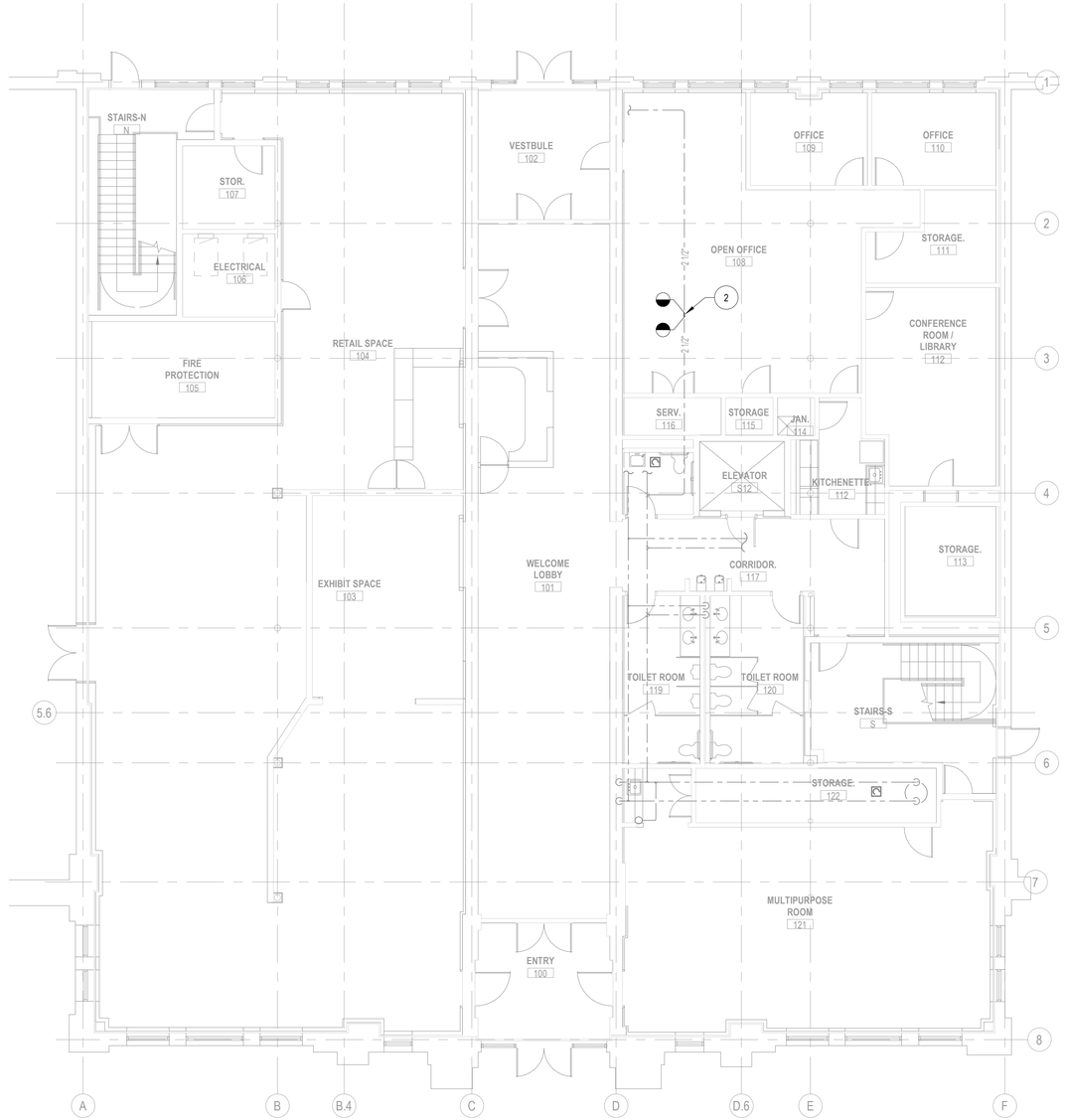


2 FIRST FLOOR PLAN - DEMO SANITARY PLUMBING
SCALE: 1/8" = 1'-0"



1 FIRST FLOOR PLAN - DEMO DOMESTIC WATER PLUMBING
SCALE: 1/8" = 1'-0"

REF. DEMO NOTES (X):

1 REMOVE EXISTING DRAIN AND P-TRAP. COORDINATE FLOOR CUTTING AND PATCHING WITH GENERAL CONTRACTOR.

2 POINT OF CONNECTION FOR NEW PLUMBING LINE. SEE P101 FOR NEW PIPING.

NORTH

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TITLE OF SHEET
FIRST FLOOR DEMOLITION FLOOR PLAN - PLUMBING
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **P001**
DRAWING NO. 590 / 80000
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SHEET **30** OF **66**

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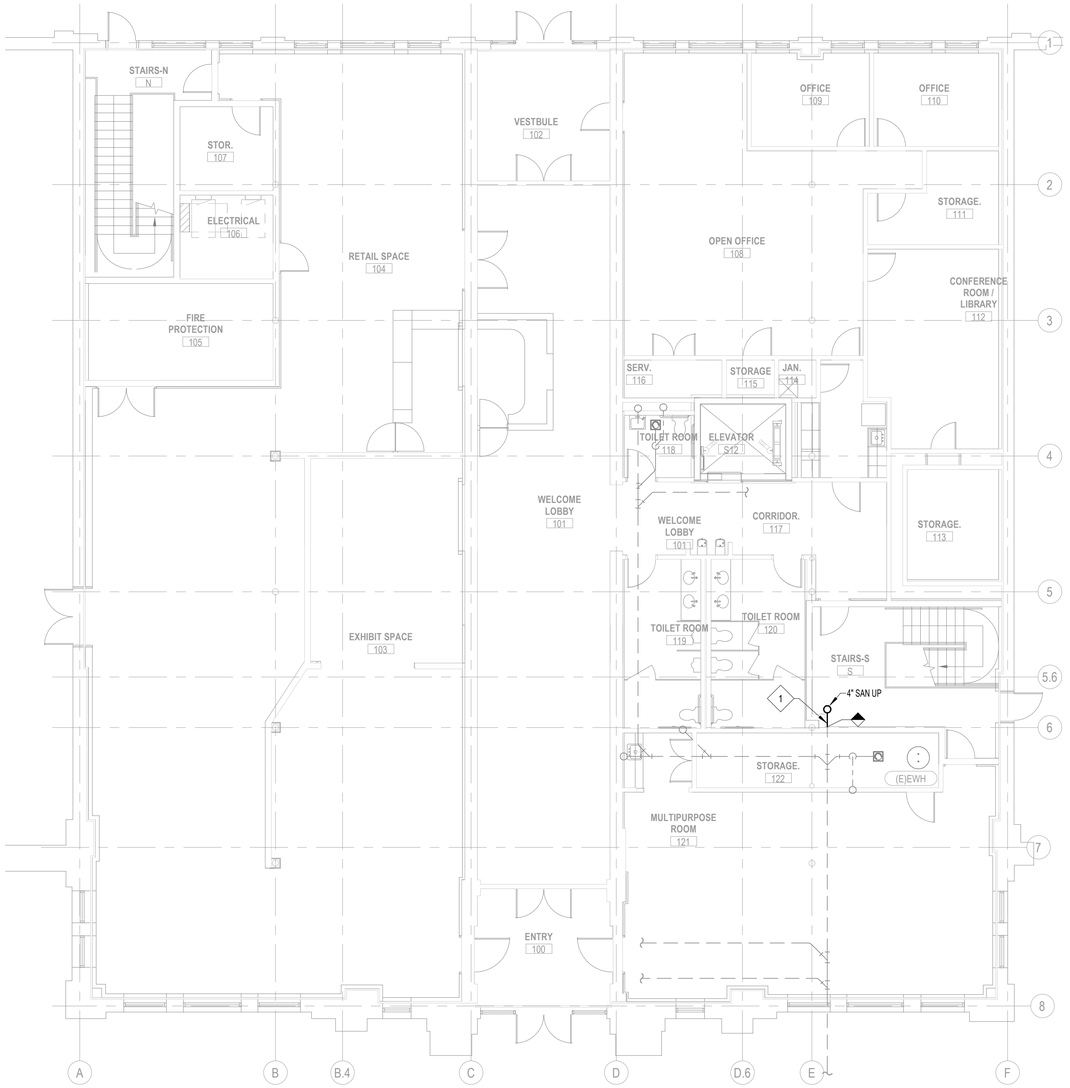

1 BELOW GRADE FLOOR PLAN - PLUMBING - SANITARY
SCALE: 1/8" = 1'-0"

REF. NOTES (X):

1 CONNECT TO EXISTING 6" SANITARY MAIN. COORDINATE FLOOR CUTTING AND PATCHING WITH GENERAL CONTRACTOR.

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TITLE OF SHEET
BELOW GRADE FLOOR PLAN - PLUMBING
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

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SUB SHEET NO. **P100**
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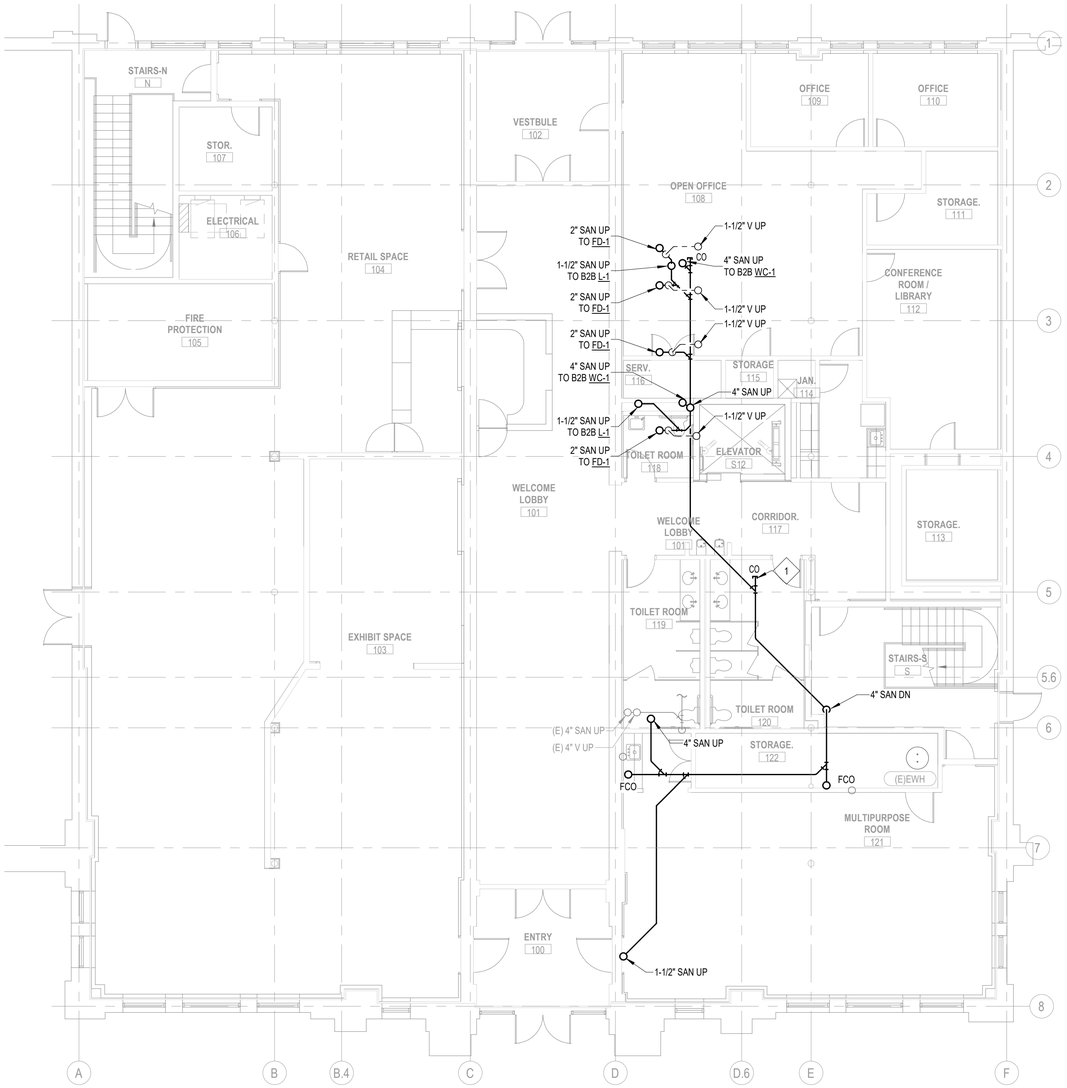
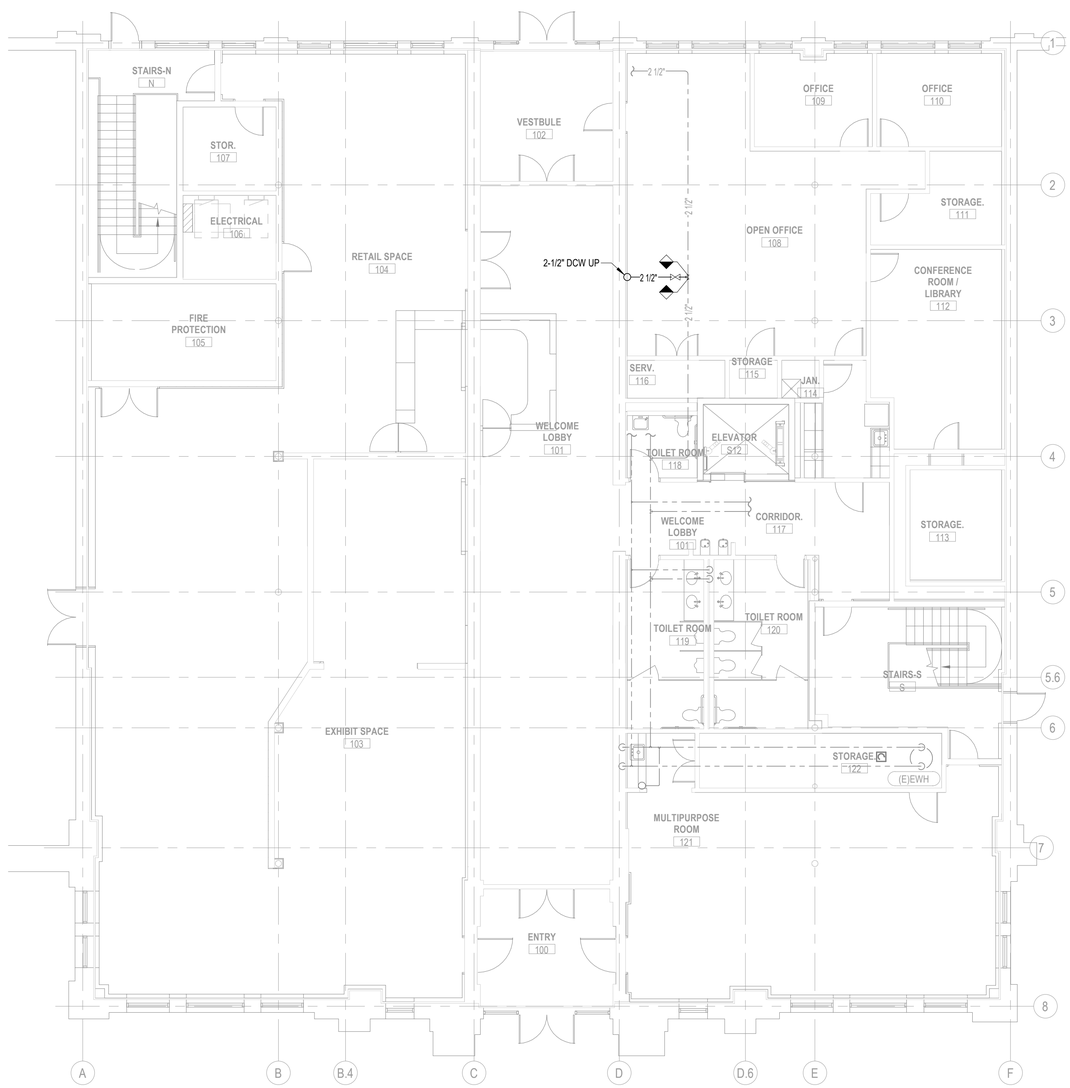


1 FIRST FLOOR PLAN - PLUMBING - SANITARY
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR PLAN - PLUMBING - DOMESTIC WATER
SCALE: 1/8" = 1'-0"

REF. NOTES (◇X◇):

1	PROVIDE CEILING ACCESS PANEL TO PROVIDE ACCESS TO CLEANOUT.

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8/13/25
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TITLE OF SHEET
FIRST FLOOR PLAN - PLUMBING
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

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SUB SHEET NO. **P101**
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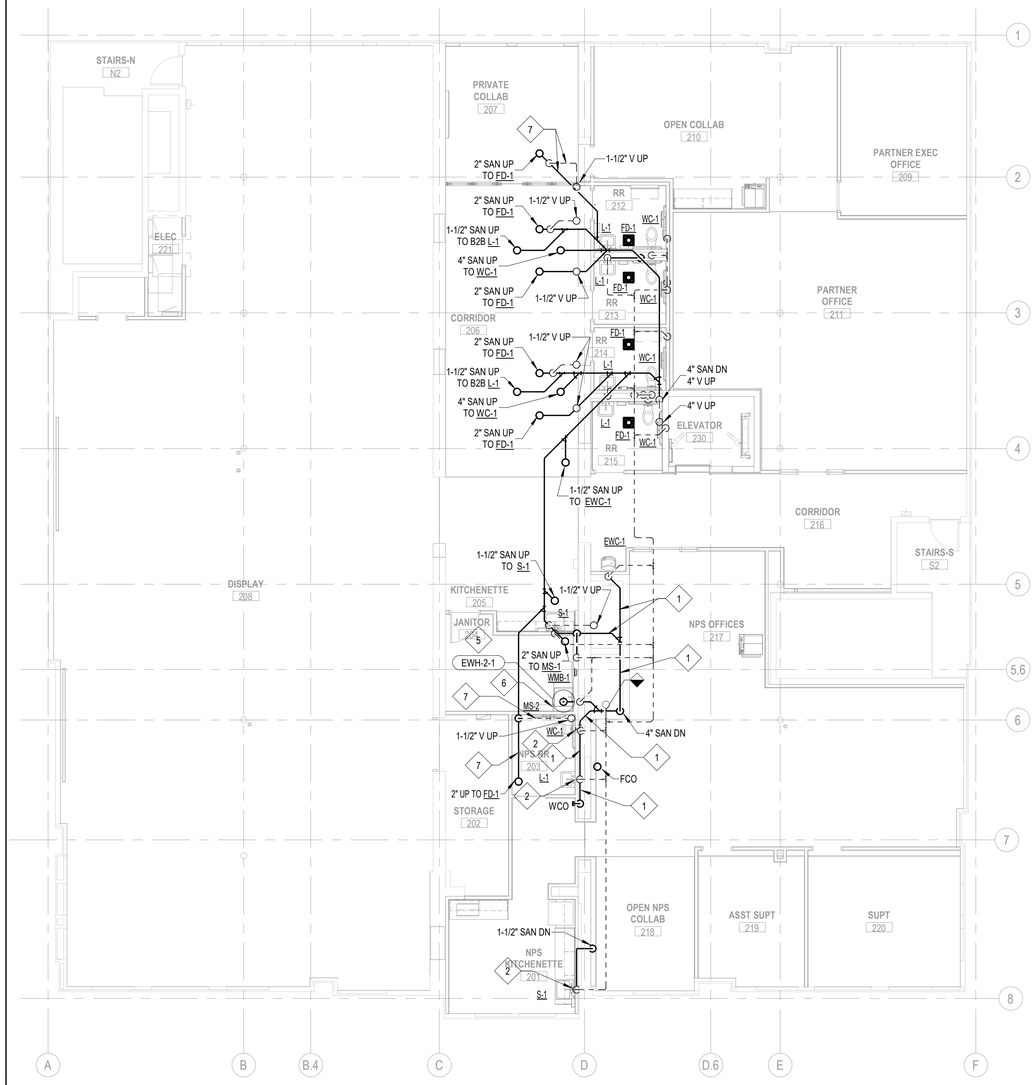
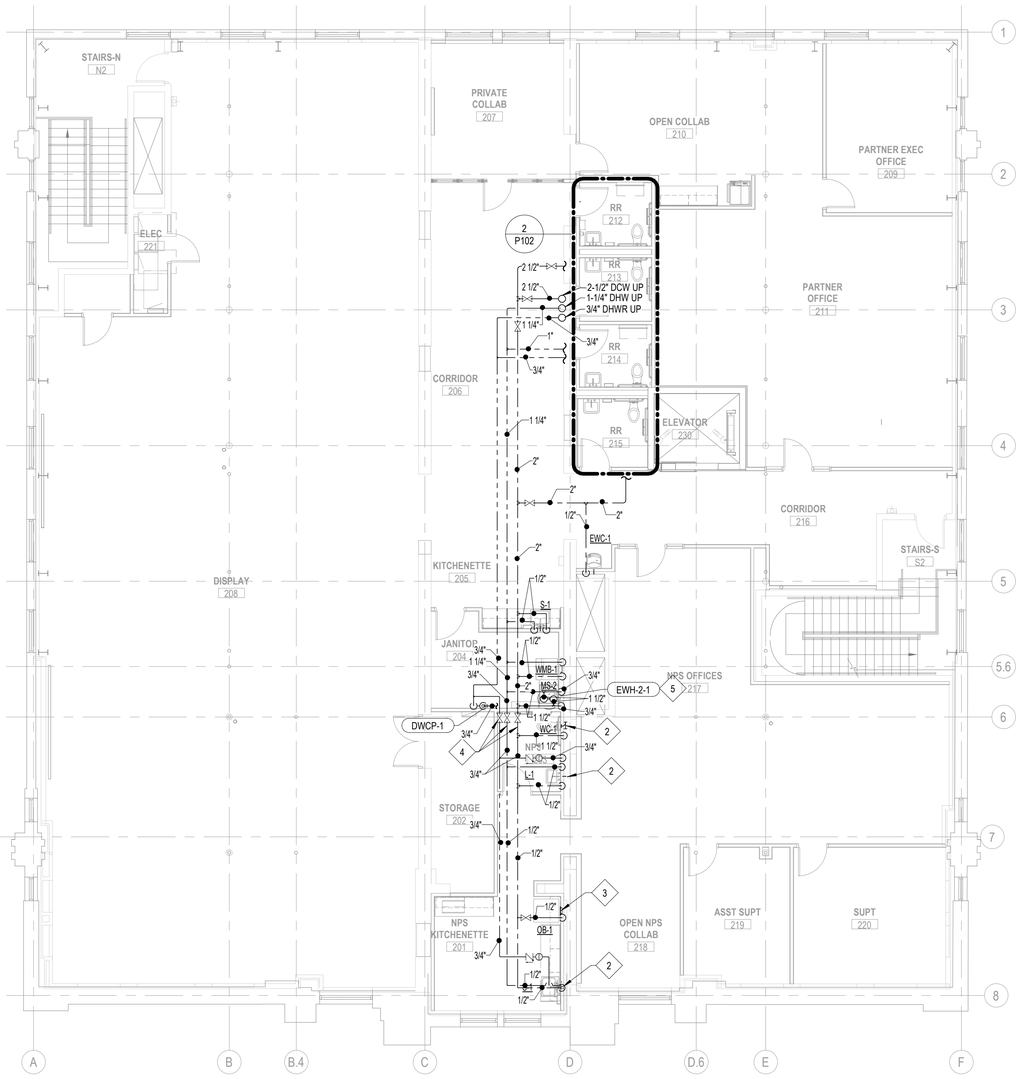
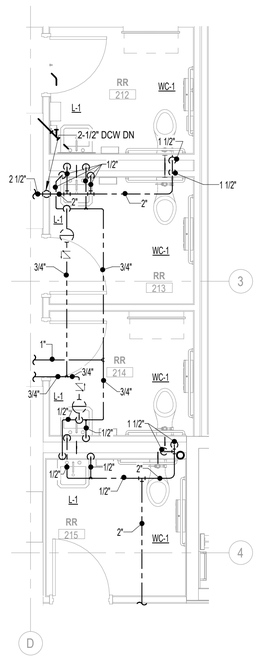


1 SECOND FLOOR PLAN - PLUMBING - SANITARY
SCALE: 1/8" = 1'-0"



3 SECOND FLOOR PLAN - PLUMBING - DOMESTIC WATER
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR ENLARGED PLAN - PLUMBING - DOMESTIC WATER
SCALE: 1/4" = 1'-0"

REF. NOTES (◇X◇):

1. SANITARY PIPING TO BE LOCATED ABOVE SECOND FLOOR. CONTRACTOR TO FIELD VERIFY EXACT ROUTING THROUGH CHASE.
2. PLUMBING FIXTURE NOT INCLUDED UNDER BASE BID. BASE BID WILL ONLY INCLUDE CAPPED SANITARY AND VENT ROUGH-INS FOR PLUMBING FIXTURE. PROVIDE FIXTURE, SANITARY, VENT, AND DOMESTIC WATER CONNECTIONS UNDER OPTION 2.
3. PLUMBING FIXTURE NOT INCLUDED FOR BASE BID. PROVIDE FIXTURE AND DOMESTIC WATER CONNECTION UNDER OPTION 2.
4. CAP PIPING TO WEST OF VALVES UNDER BASE BID OPTION. PROVIDE PIPING AS SHOWN FOR OPTION 2.
5. INSTALL EWH-2-1 ON STAND. SEE ARCHITECTURAL DETAIL FOR STAND.
6. MOP SINK TO BE INSTALLED ON ELEVATED STAND. SEE ARCH FOR STAND DETAIL.
7. SANITARY WASTE AND VENT PIPING SERVING FD-1 MEANT FOR COLLECTING CONDENSATE FROM FURNACE ABOVE ONLY TO BE PROVIDED UNDER OPTION 6.

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TITLE OF SHEET
SECOND FLOOR PLAN - PLUMBING
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
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SUB SHEET NO. **P102**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
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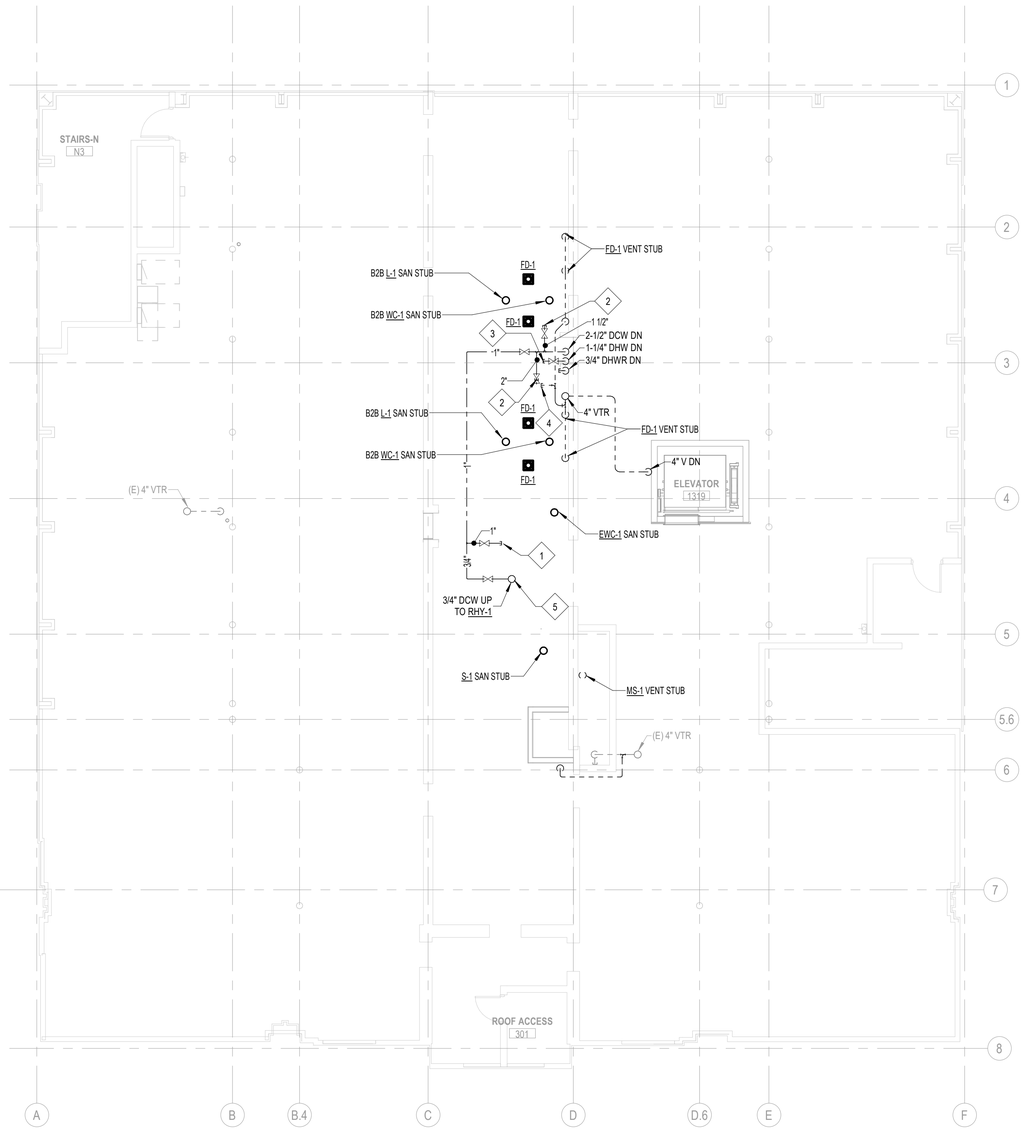
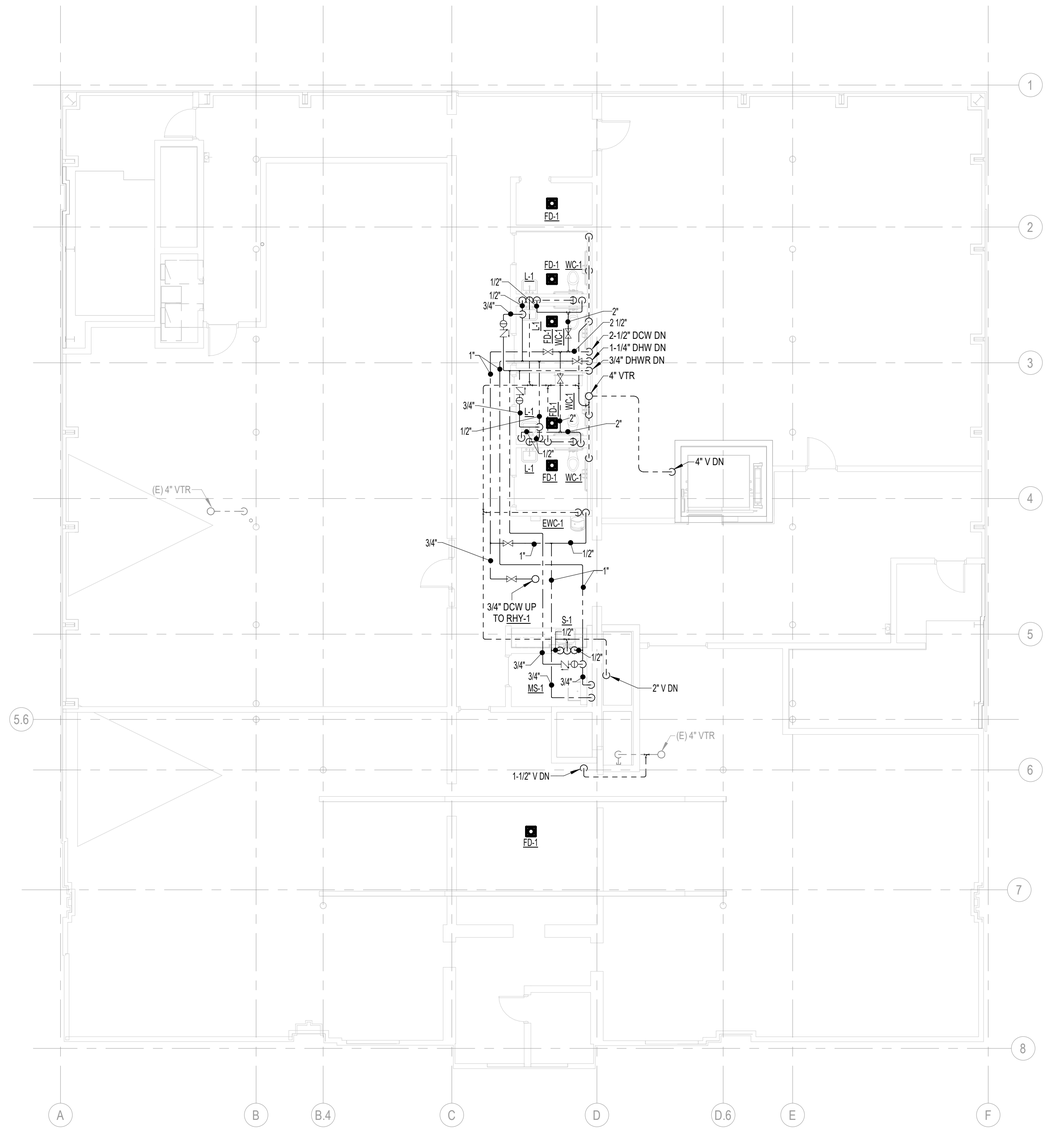


1 THIRD FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



2 THIRD FLOOR PLAN - DESIGN OPTION 6
SCALE: 1/8" = 1'-0"

REF. NOTES (X):

1	3/4" DCW VALVE AND CAPPED FOR FUTURE CONNECTION.
2	1-1/2" DCW VALVE AND CAPPED FOR FUTURE CONNECTION.
3	1-1/4" DHW VALVE AND CAPPED FOR FUTURE CONNECTION.
4	2" VENT CAPPED FOR FUTURE CONNECTION.
5	COORDINATE LOCATION WITH COR. SEE CONTINUATION ON MECHANICAL ROOF PLAN DRAWING.

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TITLE OF SHEET
THIRD FLOOR PLAN - PLUMBING
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
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SUB SHEET NO. **P103**
DRAWING NO. 590 / 80000
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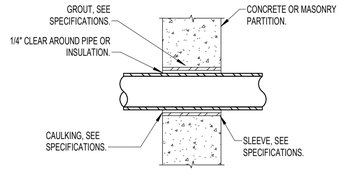
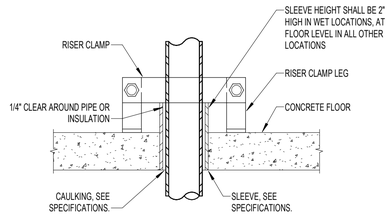


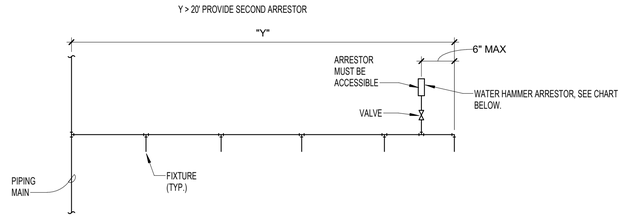
NOTE:
1. CAULK FULL PERIMETER OF PIPE AT BOTH INSIDE & OUTSIDE OF WALL.

DETAIL OF SLEEVE FOR PIPING PENETRATION OF VERTICAL PARTITIONS



NOTE:
1. CAULK FULL PERIMETER OF PIPE AT BOTH TOP AND BOTTOM OF FLOOR.

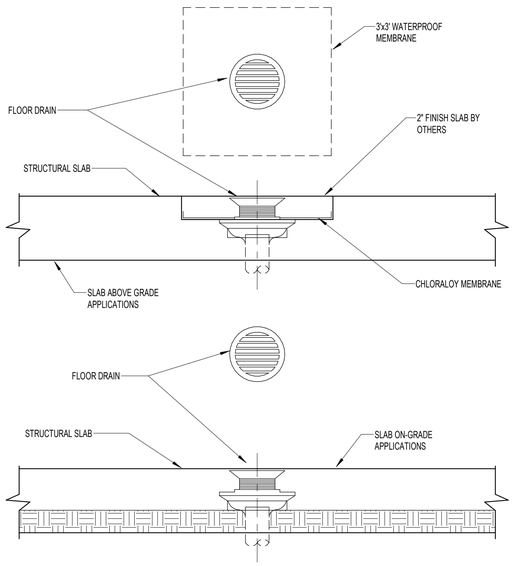
DETAIL OF SLEEVE FOR PIPING PENETRATION OF FLOOR



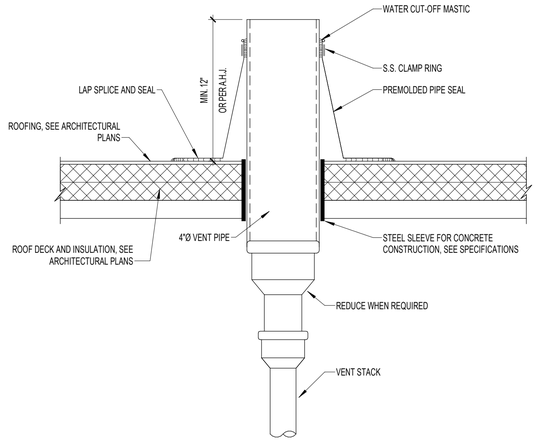
WATER HAMMER ARRESTOR SIZE	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

NOTE:
1. IF INCOMING PRESSURE IS GREATER THAN 65 PSI, ARRESTOR SIZE SHALL BE INCREASED BY 1 SIZE.

1 INTERIOR PIPE SLEEVE DETAILS
SCALE: NOT TO SCALE

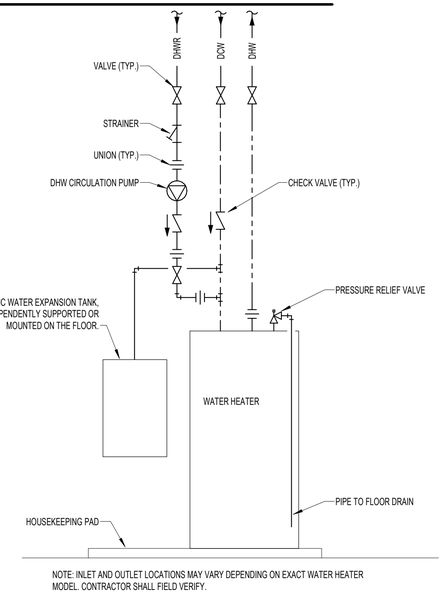


3 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE



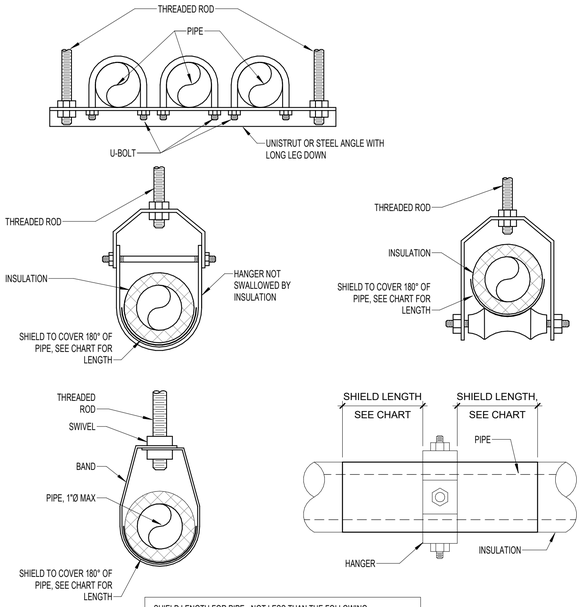
4 VENT THRU ROOF DETAIL
SCALE: NOT TO SCALE

2 FLUSH VALVE WATER HAMMER ARRESTOR DETAIL
SCALE: NOT TO SCALE



NOTE: INLET AND OUTLET LOCATIONS MAY VARY DEPENDING ON EXACT WATER HEATER MODEL. CONTRACTOR SHALL FIELD VERIFY.

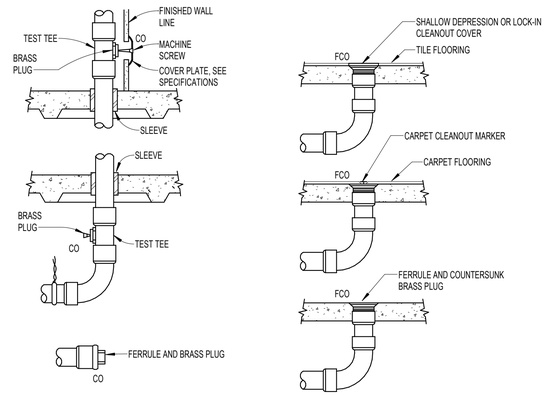
5 DOMESTIC WATER HEATER PIPING DETAIL
SCALE: NOT TO SCALE



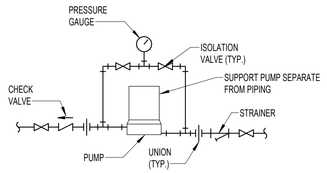
SHIELD LENGTH FOR PIPE - NOT LESS THAN THE FOLLOWING:	
a. NPS 1/4" TO 3-1/2"	12" LONG AND .048" THICK
b. NPS 4"	12" LONG AND .06" THICK
c. NPS 5" TO 6"	18" LONG AND .06" THICK
d. NPS 8" TO 14"	24" LONG AND .075" THICK
e. NPS 16" TO 24"	24" LONG AND .105" THICK

NOTE:
1. PIPES NPS 8" AND LARGER: INCLUDE WOOD OR REINFORCED CALCIUM-SILICATE-INSULATION INSERTS OF LENGTH AT LEAST AS LONG AS PROTECTIVE SHIELD.
2. THERMAL-HANGER SHIELDS: INSTALL WITH INSULATION SAME THICKNESS AS PIPING INSULATION.

6 PIPE HANGER DETAIL
SCALE: NOT TO SCALE



7 TYPICAL CLEANOUT DETAIL
SCALE: NOT TO SCALE



8 IN-LINE PUMP DETAIL
SCALE: NOT TO SCALE

Exp: 11/30/2025
PROFESSIONAL ENGINEER
JEFFREY E KULHANEK
062-072654
8/13/25
LICENSED
OF ILLINOIS

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

NATIONAL PARK SERVICE
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DATE	INITIAL

PREPARED
AJP DESIGNED
AJP DRAWN
JEK CHECKED
08/13/2025 DATE

TITLE OF SHEET
DETAILS - PLUMBING
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **P301**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **35** OF **66**

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PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	FIXTURE CONNECTIONS					MOUNTING HEIGHT	FLOW RATE	BASIS OF DESIGN				
		HOT WATER	COLD WATER	WASTE	VENT	OTHER			FIXTURE	FAUCET/FLUSH VALVE	ACCESSORY #1	ACCESSORY #2	REMARKS
EWC-1	ELECTRIC WATER COOLER, WITH BOTTLE FILLER	---	1/2"	1-1/2"	1-1/2"	---	36" MAX	8 GPH	ELKAY LZS8WSLK	---	BOTTLE FILLER	---	---
FD-1	FLOOR DRAIN, SQUARE	---	---	2"	1-1/2"	---	FLOOR	---	JAY R SMITH 2005-NB	---	---	---	1
L-1	LAVATORY, WALL HUNG, SENSORED, ADA	1/2"	1/2"	1-1/2"	1-1/2"	---	34" MAX TO FLOOD RIM	.5 GPM	AMERICAN STANDARD LUCERNE 0356.421	AMERICAN STANDARD 775B.105	TRUEBRO 82194	---	2,5
MS-1	MOP SINK, 24"X24"	3/4"	3/4"	2"	1-1/2"	---	FLOOR	1 GPM	FIAT TSB3000	ZURN Z843M1	---	---	3
MS-2	MOP SINK, 24"X24"	3/4"	3/4"	2"	1-1/2"	---	FLOOR	1 GPM	FIAT TSB3000	ZURN Z843M1	---	---	3,4
RHY-1	ROOF HYDRANT	---	3/4"	---	---	---	ROOF	---	WOODFORD SRH-MS	---	---	---	---
S-1	SINK, SINGLE BOWL, DROP-IN	1/2"	1/2"	1-1/2"	1-1/2"	---	SEE ARCH	1.5 GPM	ELKAY LR1720SC	ELKAY LK406GN04T4SC	---	---	5
WC-1	WATER CLOSET, WALL MOUNT, SENSORED,ADA	---	1-1/2"	4"	2"	---	17"-19" TO TOP OF SEAT	1.6 GPF	AMERICAN STANDARD MILLENNIUM 3351.101	SLOAN ROYAL 113	BEMIS SEAT	---	2
WMB-1	WASHER MACHINE BOX	1/2"	1/2"	2"	1-1/2"	---	48" A.F.F.	---	GUY GRAY WB200HA	---	---	---	---

NOTES:
1. PROVIDE UNIT WITH NICKEL BRONZE STRAINER.
2. PROVIDE UNIT WITH HARD-WIRE AC FAUCET.
3. UNIT IS TO HAVE 6" DROP FRONT.
4. INSTALL UNIT ON STAND. SEE ARCHITECTURAL DETAIL FOR STAND REQUIREMENTS.
5. PROVIDE WITH CHROME P-TRAP AND SUPPLY PIPES WITH ANGLE STOPS.

ELECTRIC WATER HEATER SCHEDULE

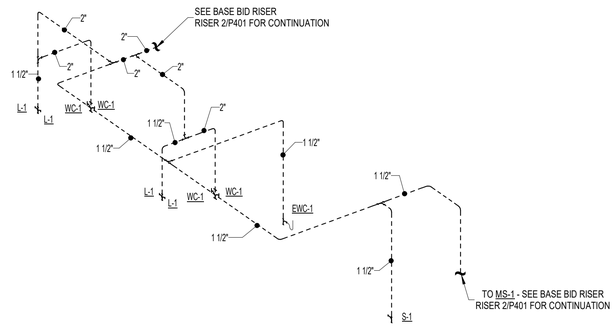
MARK	LOCATION	STORAGE CAPACITY (GAL)	EWT (°F)	LWT (°F)	FIRST HOUR DELIVERY (GAL)	RECOVERY @ 100°F RISE(GPH)	ELECTRICAL DATA					BASIS OF DESIGN	REMARKS
							POWER PER ELEMENT (KW)	ELEMENT QTY	OPERATION	VOLTS	PH		
EWH-2-1	JANITOR 204	50	40	120	127	92	6	3	SIMULTANEOUS	460	3	BRADFORD WHITE E32-50S-3	1,2

NOTES:
1. PROVIDE HEATER WITH T&P RELIEF VALVE
2. INSTALL UNIT ON STAND. SEE ARCHITECTURAL DETAIL FOR STAND REQUIREMENTS.

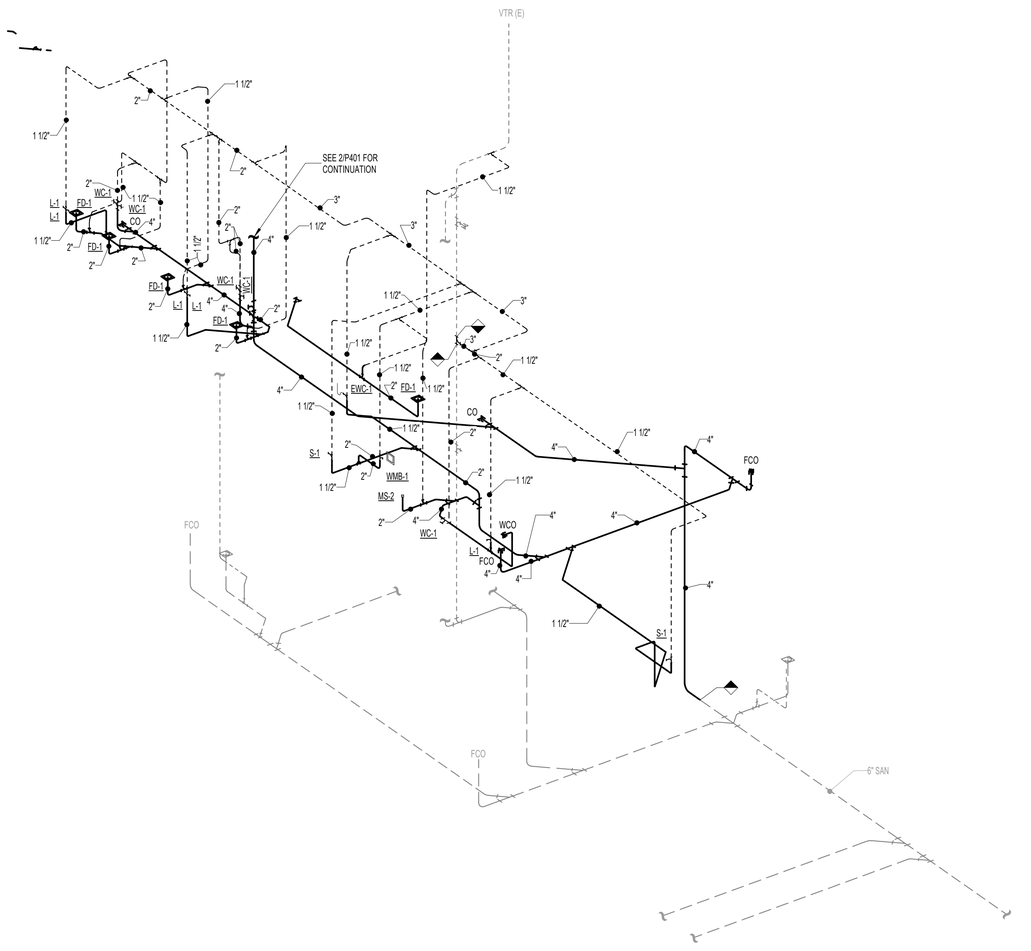
PUMP SCHEDULE

MARK	LOCATION	SERVES	TYPE	FLOW GPM	HEAD FT WG	ELECTRICAL DATA					BASIS OF DESIGN	REMARKS
						RPM	HP	VOLTS	PH	HZ		
DWCP-1	JANITOR 204	DHWR	INLINE	1.8	6	3250	1/8	115	1	60	TACO 009	1

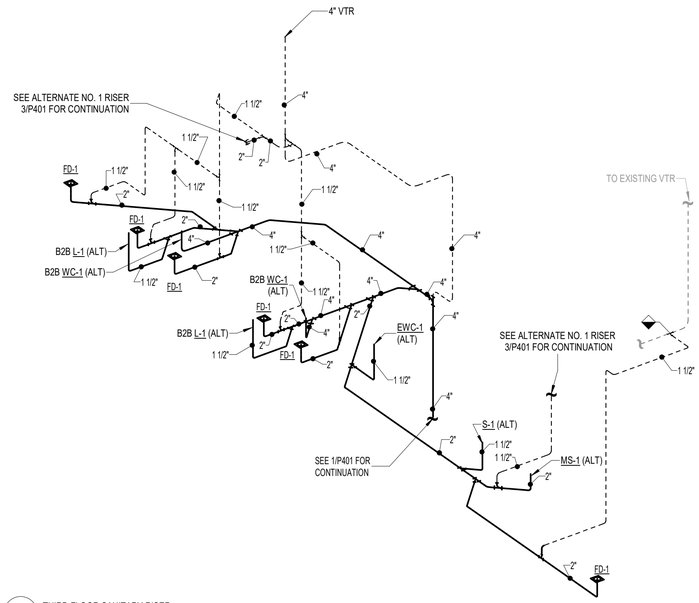
NOTES:
1. PROVIDE WITH AQUASTAT AND AUTOMATIC TIMER. START AT 95 °F/ STOP AT 115 °F.



3 SANITARY VENT RISER - ALTERNATE NO. 1
NOT TO SCALE



1 SECOND FLOOR SANITARY RISER
NOT TO SCALE



2 THIRD FLOOR SANITARY RISER
NOT TO SCALE

Exp: 11/30/2025
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TITLE OF SHEET
SANITARY RISER & SCHEDULES - PLUMBING
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER
BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **P401**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **36** OF **66**

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SYMBOL LEGEND

HVAC PIPING

LPS	LOW PRESSURE STEAM
LPR	LOW PRESSURE RETURN
MPS	MEDIUM PRESSURE STEAM
MPR	MEDIUM PRESSURE RETURN
HPS	HIGH PRESSURE STEAM
HPR	HIGH PRESSURE RETURN
PC	PUMPED CONDENSATE
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HPWR	HEAT PUMP WATER RETURN
GHWS	GLYCOL HOT WATER SUPPLY
GHWR	GLYCOL HOT WATER RETURN
BBD	BOILER BLOW DOWN
ES	EXHAUST STEAM
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
GCWS	GLYCOL CHILLED WATER SUPPLY
GCWR	GLYCOL CHILLED WATER RETURN
RL	REFRIGERANT LIQUID LINE
RS	REFRIGERANT SUCTION LINE
RDL	REFRIGERANT DISCHARGE
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
HCWS	HOT/CHILLED WATER SUPPLY
HCWR	HOT/CHILLED WATER RETURN
CD	CONDENSATE DRAIN
G	NATURAL GAS
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FOF	FUEL OIL FILL
FOG	FUEL OIL GAGE
LPG	LIQUEFIED PETROLEUM GAS

PLUMBING PIPING

	SANITARY DRAIN (ABOVE FLOOR)
	SANITARY DRAIN (BELOW FLOOR)
ST/OST	STORM DRAIN
ST/OST	STORM DRAIN (BELOW FLOOR)
	SANITARY VENT
AW	ACID WASTE
AV	ACID VENT
–	DOMESTIC COLD WATER (DCW)
– –	DOMESTIC HOT WATER (DHW)
– – –	DOMESTIC HOT WATER RECIRCULATING (DHWR)
TW	TEPID WATER
TWR	TEPID WATER RECIRCULATING
DSCW	SOFTENED COLD WATER
DSHW	SOFTENED HOT WATER
W	BURIED EXTERIOR WATER
DS	DISTILLED WATER
DI	DEIONIZED WATER
RO	REVERSE OSMOSIS WATER
A	COMPRESSED AIR
VAC	VACUUM
OX	OXYGEN
N	NITROGEN
WAGD	WASTE AND ANESTHETIC GAS DISPOSAL
MA	MEDICAL AIR

FIRE PROTECTION

D	SPRINKLER DRAIN
F	FIRE SUPPRESSION PIPING
	FIRE DEPARTMENT CONNECTION
FS	FLOW SWITCH
TS	TAMPER SWITCH

VALVES

- MANUAL BALANCING VALVE
- ISOLATION VALVE
- CHECK VALVE
- CONTROL VALVE (2 WAY)
- CONTROL VALVE (3 WAY)
- AUTO FLOW CONTROL VALVE
- HOSE END DRAIN VALVE
- PRESSURE REDUCING VALVE
- SOLENOID VALVE
- TEMP & PRESS RELIEF (OR) SAFETY VALVE-STEAM
- THERMOSTATIC MIXING VALVE

PIPING SPECIALTIES AND FITTINGS

CO WCO	CLEANOUT / WALL CLEANOUT
GCO	GRADE CLEANOUT
DGCO	DOUBLE - GRADE CLEANOUT
VTR	PLUMBING VENT THRU ROOF
FD-_	FLOOR DRAIN
FS-_	FLOOR SINK
RD-_	ROOF DRAIN
ORD-_	OVERFLOW ROOF DRAIN
	TRENCH DRAIN
MH	MANHOLE
OX	OXYGEN OUTLET
V	VACUUM OUTLET
A	AIR OUTLET
N	NITROGEN OUTLET
W	WASTE AND ANESTHETIC GAS DISPOSAL OUTLET
MA	MEDICAL AIR OUTLET
	PIPE CAP
	ELBOW UP
	ELBOW DOWN
	TEE
	TEE UP
	TEE DOWN
	STRAINER
	UNION
A	AIR VENT
	FLEXIBLE PIPE CONNECTION
	EXPANSION JOINT
	PIPE ANCHOR
	PIPE GUIDE
	THERMOMETER
	PRESSURE GAUGE
HB	HOSE BIBB
RHY	ROOF HYDRANT
WH	WALL HYDRANT
	STEAM TRAP

MISCELLANEOUS SYMBOLS

- DEMO / EXISTING — DEMO TO EXISTING CONNECTION
- NEW / EXISTING — NEW TO EXISTING CONNECTION

HVAC DUCTWORK AND SPECIALTIES

18x10	RECT DUCT-1ST FIG IS SIDE SHOWN
18 Ø	ROUND DUCT
18/10	FLAT OVAL DUCT-1ST FIG IS SIDE SHOWN
	ACOUSTICAL DUCT LINER

HVAC DUCTWORK AND SPECIALTIES (CONT.)

- FLEXIBLE DUCTWORK CONNECTION
- VOLUME DAMPER
- TURNING VANES
- HIGH EFFICIENCY TAKEOFF
- HIGH EFFICIENCY TAKOFF WITH VOLUME DAMPER
- SUPPLY AND FRESH AIR DUCT UP
- SUPPLY AND FRESH AIR DUCT DOWN
- RETURN DUCT UP
- RETURN DUCT DOWN
- EXHAUST DUCT UP
- EXHAUST DUCT DOWN
- ROUND DUCT UP / DOUBLE LINE PIPE
- ROUND DUCT DOWN / DOUBLE LINE PIPE
- SIZE/TYPE / FLOW — AIR TERMINAL (VERTICAL MOUNTING)
- SIZE/TYPE / FLOW — ROUND AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR SUPPLY AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR RETURN AIR TERMINAL (HORIZONTAL MOUNTING)
- SIZE/TYPE / FLOW — RECTANGULAR EXHAUST AIR TERMINAL (HORIZONTAL MOUNTING)
- AFS — AIR FLOW STATION
- MOTORIZED DAMPER-PARALLEL BLADE
- MOTORIZED DAMPER-OPPOSED BLADE
- GRAVITY DAMPER
- F — FIRE DAMPER-HORIZ FIRE SEPARATION
- S — SMOKE DAMPER
- FS — FIRE/SMOKE DAMPER
- FLEXIBLE DUCT
- T — THERMOSTAT
- H — HUMIDISTAT
- S — TEMPERATURE SENSOR
- CO — CARBON MONOXIDE SENSOR
- CO2 — CARBON DIOXIDE SENSOR
- NO2 — NITROGEN DIOXIDE SENSOR
- X — SENSOR WITH GUARD

REFERENCE LEGEND

DUCT SIZE
- X" ∅ — DIAMETER
- X"xX" — WIDTH x HEIGHT
- X"/X" — WIDTH / HEIGHT

PIPE SIZE
- X" — PIPE SIZE (DIAMETER)

PLUMBING FIXTURES
- XXX-1 — PLUMBING FIXTURE DESIGNATION

ROOM / SPACE NUMBER
- ROOM NAME — ROOM NAME DESIGNATION
- 101 — ROOM NUMBER DESIGNATION

EQUIPMENT NUMBER
- XX-1 — EQUIPMENT NUMBER

REFERENCE DEMOLITION NOTE
- X — DEMOLITION DESIGNATION

REFERENCE NOTE
- X — REFERENCE DESIGNATION

PLAN DETAIL
- X — DETAIL NUMBER
- XXXX — SHEET NUMBER

SECTION/ DETAIL
- SIM/OPP
- X — SECTION/DETAIL NUMBER
- XXXX — SHEET NUMBER
- INDICATES DIRECTION OF VIEW

NEW COLUMN
- X — LETTER/NUMBER INDICATES NEW COLUMN LINE

EXISTING COLUMN
- X — LETTER/NUMBER INDICATES EXISTING COLUMN LINE

MATCHLINE
- AREA A
- AREA B

LEVEL
- LEVEL CALLOUT DESIGNATION
- NAME
- ELEVATION
- ELEVATION DESIGNATION

- GRAPHIC AREA FOR DRAWING
- DRAWING/DETAIL NUMBER
- TITLE
- SCALE OF THE DRAWING

TITLE MARKER
- 1 VIEW NAME
- SCALE: 1/8" = 1'-0"

NORTH ARROW
- NORTH
- PLAN NORTH
- TRUE NORTH

ABBREVIATIONS

A	COMPRESSED AIR
AC	AIR COMPRESSOR
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AD	AIR DOOR
AFCV	AUTO FLOW CONTROL VALVE
AHU	AIR HANDLING UNIT
AMP	AMPERE
APD	AIR PRESSURE DROP
ARU	AIR ROTATION UNIT
AS	AIR SEPARATOR
ASHP	AIR SOURCE HEAT PUMP
AV	ACID VENT
AW	ACID WASTE
B	BOILER
BC	BLOWER COIL
BD	BIDET
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BLKG	BLOCKING
BLV	BALANCING VALVE
BT	BATHTUB
BV	BALL VALVE
BW	BEDPAN WASHER
CH	CHILLER
CC	COOLING COIL
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CMU	COMBINATION UNITS
CR	CONDENSER WATER RETURN
CRAC	COMPUTER ROOM AIR CONDITIONER
CS	CONDENSER WATER SUPPLY
CSS	CLINICAL SERVICE SINKS
CT	COOLING TOWER
CU	CONDENSING UNIT - SPLIT SYSTEM
CUH	CABINET HEATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DB	DRY-BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DEG	DEGREE
DF	DRINKING FOUNTAIN
DGCO	DOUBLE GRADE CLEANOUT
DH	EMERGENCY DRENCH HOSES
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATING
DHWP	DOMESTIC HOT WATER RECIRCULATING PUMP
DI	DEIONIZED WATER
DOAS	DEDICATED OUTDOOR AIR SYSTEM
DS	DISTILLED WATER
DSA	DUCT SOUND ATTENUATORS
DSCW	DOMESTIC SOFT COLD WATER
DSHW	DOMESTIC SOFT HOT WATER
DSHWR	DOMESTIC SOFT HOT WATER RECIRCULATING
DSS	DUCTLESS SPLIT SYSTEM
DST	DOMESTIC STORAGE TANK
DTW	DOMESTIC TEPID WATER
DTWR	DOMESTIC TEPID WATER RECIRCULATING
DWET	DOMESTIC WATER EXPANSION TANK
EA.	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EEW	EMERGENCY EYE WASH
EEWS	EMERGENCY EYE WASH/SHOWER
EF	EXHAUST FAN
EFF	EFFICIENCY
EFW	EMERGENCY FACE WASH
EH	EXHAUST HOOD
ERV	ENERGY RECOVERY VENTILATOR
ES	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
F	FIRE SUPPRESSION PIPING
F-_	FURNACE
FC	FLUID COOLER
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
FSD	FIRE/SMOKE DAMPER
FT	FINNED TUBE
G	GAS
GCWR	GLYCOL CHILLED WATER RETURN
GCWS	GLYCOL CHILLED WATER SUPPLY
GD	GARBAGE DISPOSAL
GDH	GAS DUCT HEATER
GHCR	GLYCOL HOT/CHILLED WATER RETURN
GHCS	GLYCOL HOT/CHILLED WATER SUPPLY
GHWR	GLYCOL HOT WATER RETURN
GHWS	GLYCOL HOT WATER SUPPLY
GI	GREASE INTERCEPTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GAS VENT
GWH	GAS WATER HEATER
H	HUMIDIFIER
HB	HOSE BIBB
HC	HEATING COIL
HCR	HOT/CHILLED WATER RETURN
HCS	HOT/CHILLED WATER SUPPLY
HP	HORSEPOWER
HP-_	HEAT PUMP
HPR	HIGH PRESSURE RETURN
HPS	HIGH PRESURE STEAM
HRC	HEAT RECOVERY COIL
HVLS	HIGH VOLUME LOW SPEED
HWR	HOT WATER RETURN (HEATING)
HWS	HOT WATER SUPPLY (HEATING)
HX	HEAT EXCHANGER
HY	HYDRANTS
IH	INTAKE HOOD
IRH	INFRARED RADIANT HEATER
KH	KITCHEN HOOD
KW	KILOWATT
KWH	KILOWATT HOURS
L	LAVATORY
LAT	LEAVING AIR TEMPERATURE
LPR	LOW PRESSURE RETURN
LPG	LIQUIFIED PETROLEUM GAS
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LS	LAUNDRY SINK
LV	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTUH
MCA	MINIMUM CIRCUIT AMPS
MD	MOTORIZED DAMPER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPR	MEDIUM PRESSURE RETURN
MPS	MEDIUM PRESSURE STEAM
MS	MOP SINK
N	NITROGEN
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NPCW	NONPOTABLE COLD WATER
NPHW	NONPOTABLE HOT WATER
NPHWR	NONPOTABLE HOT WATER RECIRCULATING
OA	OUTSIDE AIR
OB	OUTLET BOX
OI	OIL INTERCEPTOR
ORD	OVERFLOW ROOF DRAIN
OST	OVERFLOW STORM WATER
OX	OXYGEN
P	PUMP
PHC	PREHEAT COIL
PIV	POST INDICATING VALVE
PRV	PRESSURE REGULATING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH, GAUGE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF AREA DRAINS
RL	REFRIGERANT DISCHARGE LINE
RF	RETURN FAN
RH	RELIEF HOOD
RHC	REHEAT COIL
RH	ROOF HYDRANT
RL	REFRIGERANT LIQUID LINE
RLA	RELIEF AIR
RLF	RELIEF FAN
RO	REVERSE OSMOSIS WATER
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION LINE
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
S	SINK
SA	SUPPLY AIR
SAN	SANITARY SEWER
SD	SMOKE DAMPER
SF	SUPPLY FAN
SFU	SANITARY FIXTURE UNIT
SH	SHOWER
SOI	SAND OIL INTERCEPTOR
SP	STATIC PRESSURE
SP	SUMP PUMP
SSS	SURGICAL SCRUB SINK
ST	STORM WATER
T	THERMOSTAT
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TONS	TONS OF REFRIGERATION
TSP	TOTAL STATIC PRESSURE
UH	UNIT HEATER
UR	URINAL
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
WB	WET BULB
WC	WATER CLOSETS
WCO	WALL CLEANOUT
WF	WASH FOUNTAINS
WFU	WATER FIXTURE UNITS
WH	WALL HYDRANT
WMB	WASHING MACHINE BOX
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER
WSHP	WATER SOURCE HEAT PUMP
WWHP	WATER TO WATER HEAT PUMP
YH	YARD HYDRANT

REF. DEMO NOTES (X)

PROJECT MECHANICAL REFERENCED DEMOLITION NOTES

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

GENERAL DEMOLITION NOTES

A. THE DEMOLITION PLANS WERE PRODUCED BY DUPLICATING THE ORIGINAL DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. DIMENSIONS AND EXISTING CONDITIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ITEMS WHICH ARE INTENDED TO BE REMOVED, RELOCATED, OR SALVAGED ARE SHOWN AS FULL-TONE LINES. ALL OTHER ITEMS ARE INTENDED TO REMAIN IN PLACE AND ARE SHOWN AS HALF-TONE.

B. DEMOLITION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE ITEMS LISTED BELOW OR HERE-IN. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED RENOVATION AND NEW CONSTRUCTION WITH THE EXISTING BUILDING TO IDENTIFY THE TOTAL EXTENT OF THE DEMOLITION REQUIRED AND AS LISTED BELOW.

C. THE REMOVAL OF FIRE PROTECTION, HVAC, AND PLUMBING EQUIPMENT FROM FINISHED AREAS AND THROUGH WEATHER BARRIERS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND DETAILS AS WELL AS NOTES ON THE MECHANICAL DRAWING TO ENSURE PROPER PATCHING AND REPAIR IS MADE TO THE BUILDING.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL EXISTING COMPONENTS, MATERIALS, EQUIPMENT, AND APPURTENANCES TO BUILD, ERECT, INSTALL, OR ACCOMMODATE ALL NEW CONSTRUCTION WITH THE OWNER HAVING FIRST RIGHT OF REFUSAL ON ALL ITEMS.

E. ITEMS NOTED TO BE REMOVED AND SALVAGED OR REINSTALLED SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR WITHOUT DAMAGE AND STORED OR REINSTALLED ON THE SITE AS DIRECTED. REMOVED OR SALVAGED ITEMS SHALL REMAIN THE PROPERTY OF THE OWNER.

F. COORDINATE THE DISCONNECTION OF ELECTRICAL MOTORS AND CONTROLS WITH ELECTRICAL CONTRACTOR PRIOR TO MECHANICAL REMOVALS.

G. IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE, MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, LEAD-BASED PAINT, OR ANY OTHER HAZARDOUS MATERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT THEREAFTER BE RESUMED EXCEPT BY WRITTEN AGREEMENT OF THE OWNER AND ARCHITECT.

H. ANY UTILITY OR SYSTEMS DISRUPTION OR OUTAGES DURING DEMOLITION SHALL BE COORDINATED WITH THE OWNER AND GENERAL CONTRACTOR.

REF. NOTES (X)

PROJECT MECHANICAL REFERENCED NOTES

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

GENERAL NOTES

A. EXISTING CONDITIONS ARE BASED ON DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THOSE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

B. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.

C. CONTRACTOR SHALL TAKE ALL MEASUREMENTS FOR WORK AND BE RESPONSIBLE FOR SAME. CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO OWNER. COORDINATE THE WORK AND SHOP DRAWINGS WITH ALL OTHER TRADES AFFECTED.

D. SCREENED HALF-TONE LINES INDICATE EXISTING CONSTRUCTION TO REMAIN. FULL-TONE LINES INDICATED NEW OR RELOCATED CONSTRUCTION.

E. CONTRACTOR SHALL COORDINATE THE ROUTING OF ALL DUCTWORK WITH STRUCTURE, CEILING, LIGHTING, AND PIPING.

F. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCE AROUND ALL EQUIPMENT TO ALLOW FOR MAINTENANCE ACCESS.

G. ALL PIPING IN CONCEALED LOCATIONS SHALL BE ROUTED AT RIGHT ANGLES AND PARALLEL TO BUILDING WALLS UNLESS OTHERWISE INDICATED.

H. DO NOT ROUTE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS. MAINTAIN ALL CODE REQUIRED CLEARANCES.

I. IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE, MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, LEAD-BASED PAINT, OR ANY OTHER HAZARDOUS MATERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT THEREAFTER BE RESUMED EXCEPT BY WRITTEN AGREEMENT OF THE OWNER AND CONTRACTOR.

J. ALL RUNOUTS TO AIR TERMINALS SHALL MATCH INLET SIZE UNLESS OTHERWISE NOTED.

K. ANY UTILITY OR SYSTEM DISRUPTIONS OR OUTAGES DURING CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER AND GENERAL CONTRACTOR.

L. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS INSTALLED IN RETURN AIR PLENUM SHALL BE NON-COMBUSTABLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND SMOKE DEVELOPED INDEX NOT TO EXCEED 50 IN ACCORDANCE WITH ASTM E84 OR UL 723.

MECHANICAL SHEET LIST

M 00	MECHANICAL INFO SHEET
M001	SECOND FLOOR DEMOLITION FLOOR PLAN - MECHANICAL
M002	THIRD FLOOR DEMOLITION FLOOR PLAN - MECHANICAL
M003	ROOF DEMOLITION FLOOR PLAN - MECHANICAL
M101	SECOND FLOOR PLAN - MECHANICAL
M102	THIRD FLOOR PLAN - MECHANICAL
M103	ROOF FLOOR PLAN - MECHANICAL
M201	FIRST FLOOR PIPING PLAN - MECHANICAL
M202	SECOND FLOOR PIPING PLAN - MECHANICAL
M203	THIRD FLOOR PIPING PLAN - MECHANICAL
M301	ENLARGED PLAN & SECTION - MECHANICAL
M401	DETAILS - MECHANICAL
M402	DETAILS - MECHANICAL
M501	SCHEDULE - MECHANICAL

Exp: 11/30/2025
JEFFREY E KULHANEK 062-072654 PROFESSIONAL ENGINEER LICENSED 8/13/25 OF ILLINOIS

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AJP — DRAWN
JEK — CHECKED
08/13/2025 — DATE

TITLE OF SHEET
MECHANICAL INFO SHEET
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M 00**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **37** OF **66**

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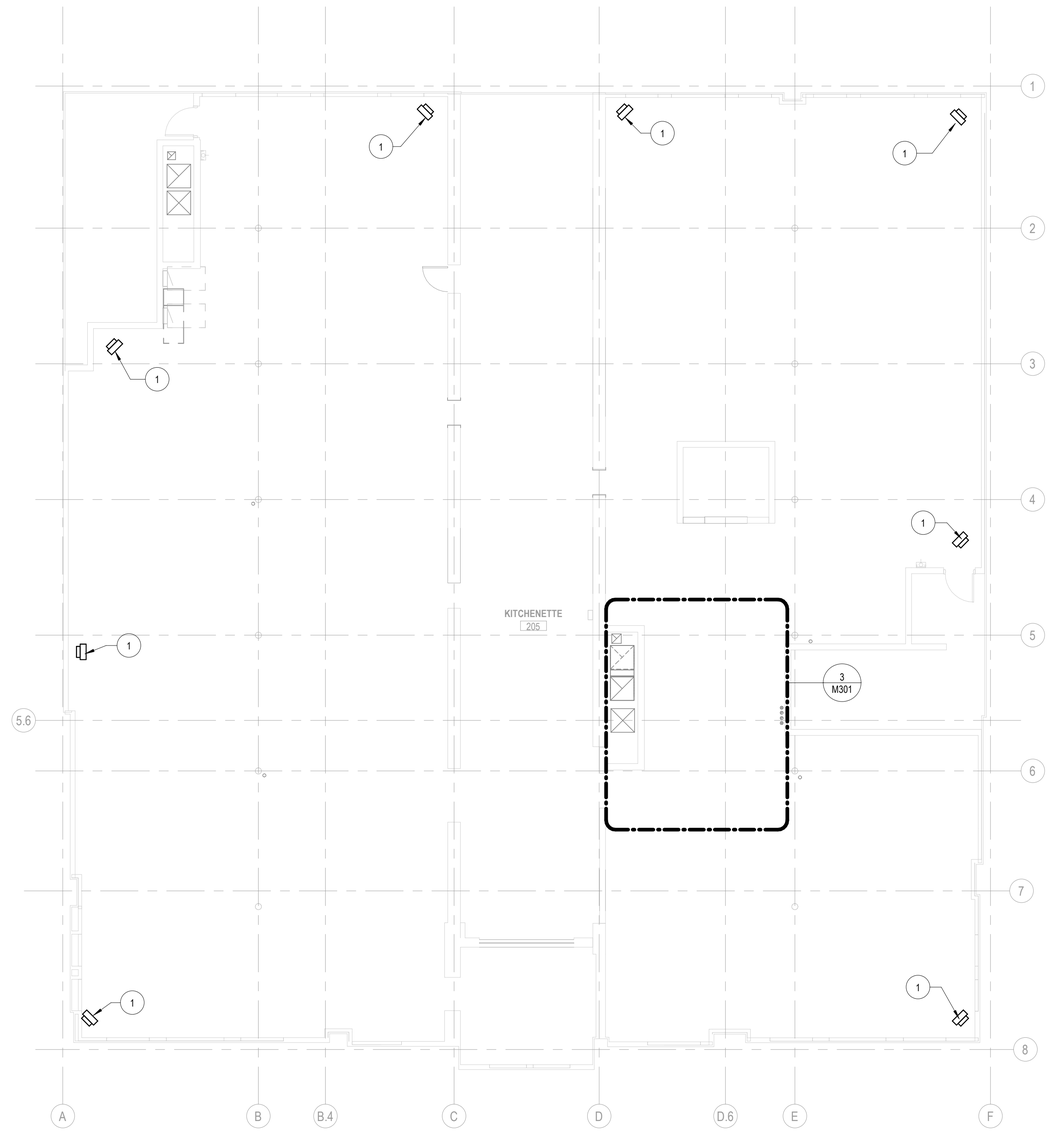
REF. DEMO NOTES (X):

1 CONTRACTOR TO VERIFY EXISTING ELECTRIC UNIT HEATER IS OPERATIONAL. EXISTING ELECTRIC UNIT HEATERS THAT ARE OPERATIONAL ARE TO BE RELOCATED IN PLACE OF ANY THIRD FLOOR ELECTRIC UNIT HEATERS THAT ARE NOT OPERATIONAL. CONTRACTOR TO REMOVE EXISTING ELECTRIC UNIT HEATER AND ALL ASSOCIATED ACCESSORIES.



1 SECOND FLOOR PLAN - DEMO HVAC
SCALE: 1/8" = 1'-0"

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TITLE OF SHEET
SECOND FLOOR DEMOLITION FLOOR PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
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DRAWING NO. 590 / 80000
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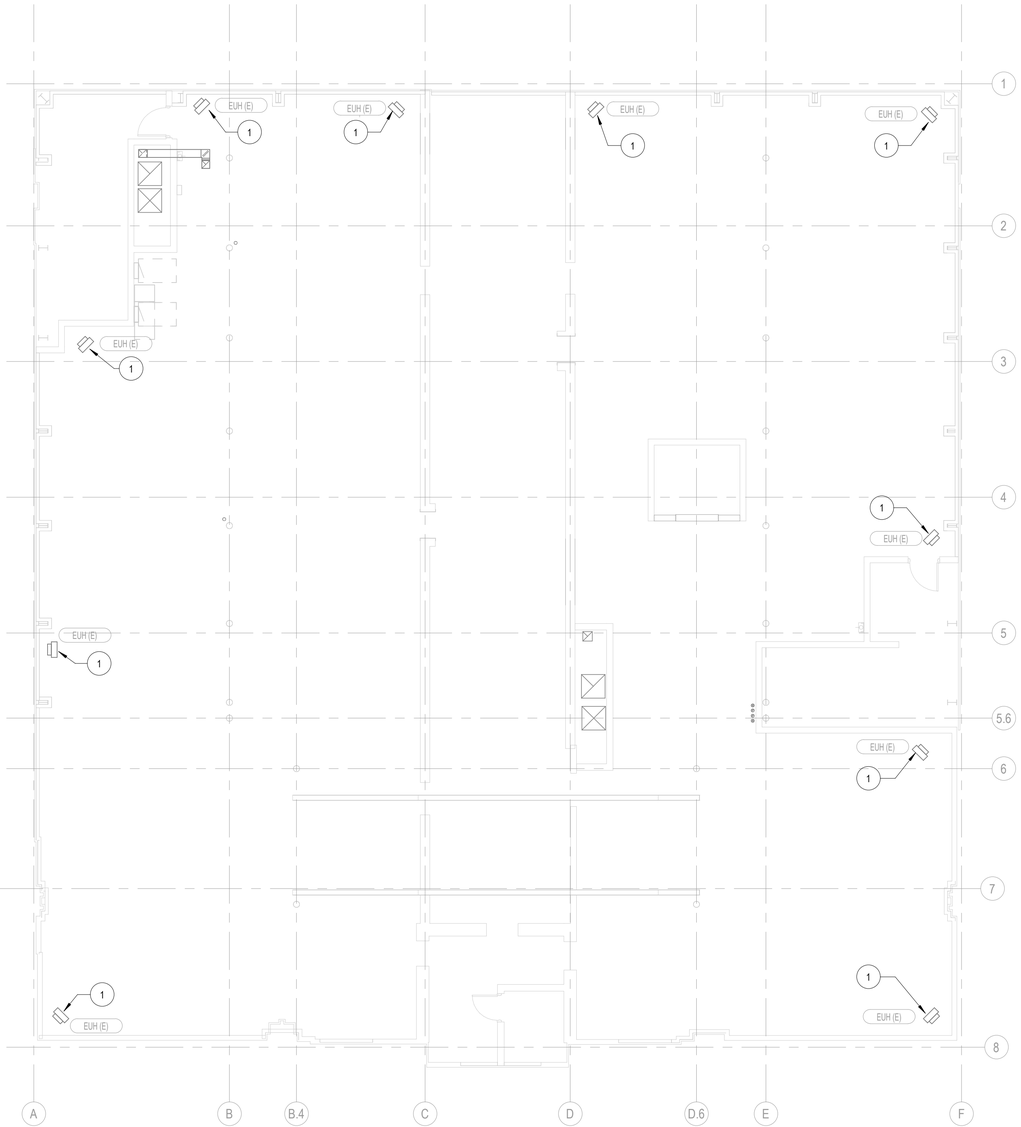
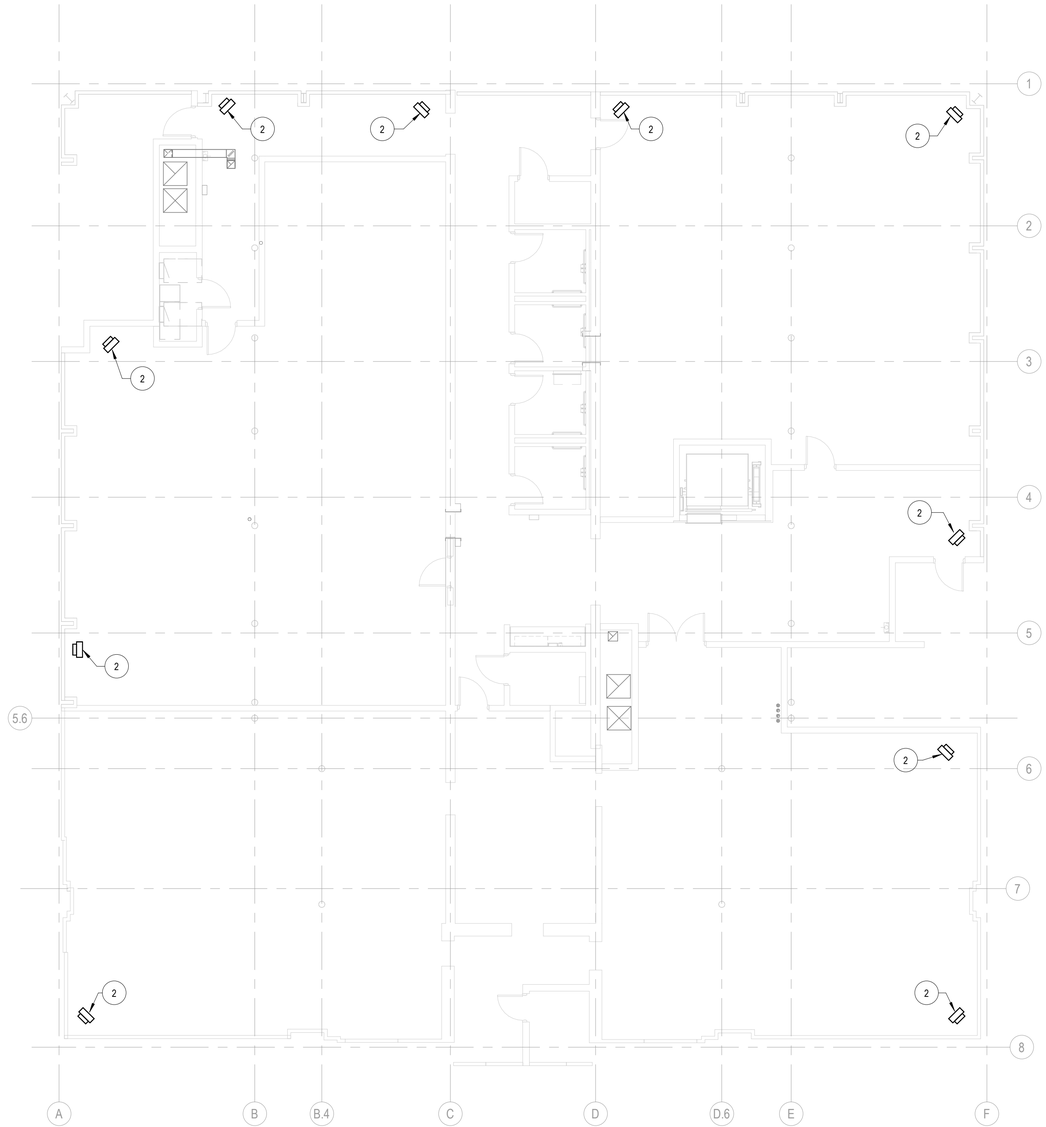


1 THIRD FLOOR PLAN - DEMO HVAC
SCALE: 1/8" = 1'-0"



2 THIRD FLOOR PLAN - DEMO HVAC -OPTION 6
SCALE: 1/8" = 1'-0"

REF. DEMO NOTES (X):

1 EXISTING ELECTRIC HEATER TO REMAIN. CONTRACTOR TO VERIFY EXISTING ELECTRIC UNIT HEATER IS OPERATIONAL. IF UNIT IS NOT OPERATIONAL, CONTRACTOR IS TO REMOVE EXISTING UNIT AND PREPARE FOR INSTALLATION OF EXISTING UNIT FROM SECOND FLOOR.

2 REMOVE ELECTRIC HEATER AND ALL ASSOCIATED ACCESSORIES.

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TITLE OF SHEET
THIRD FLOOR DEMOLITION FLOOR PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
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ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M002**
DRAWING NO. 590 80000
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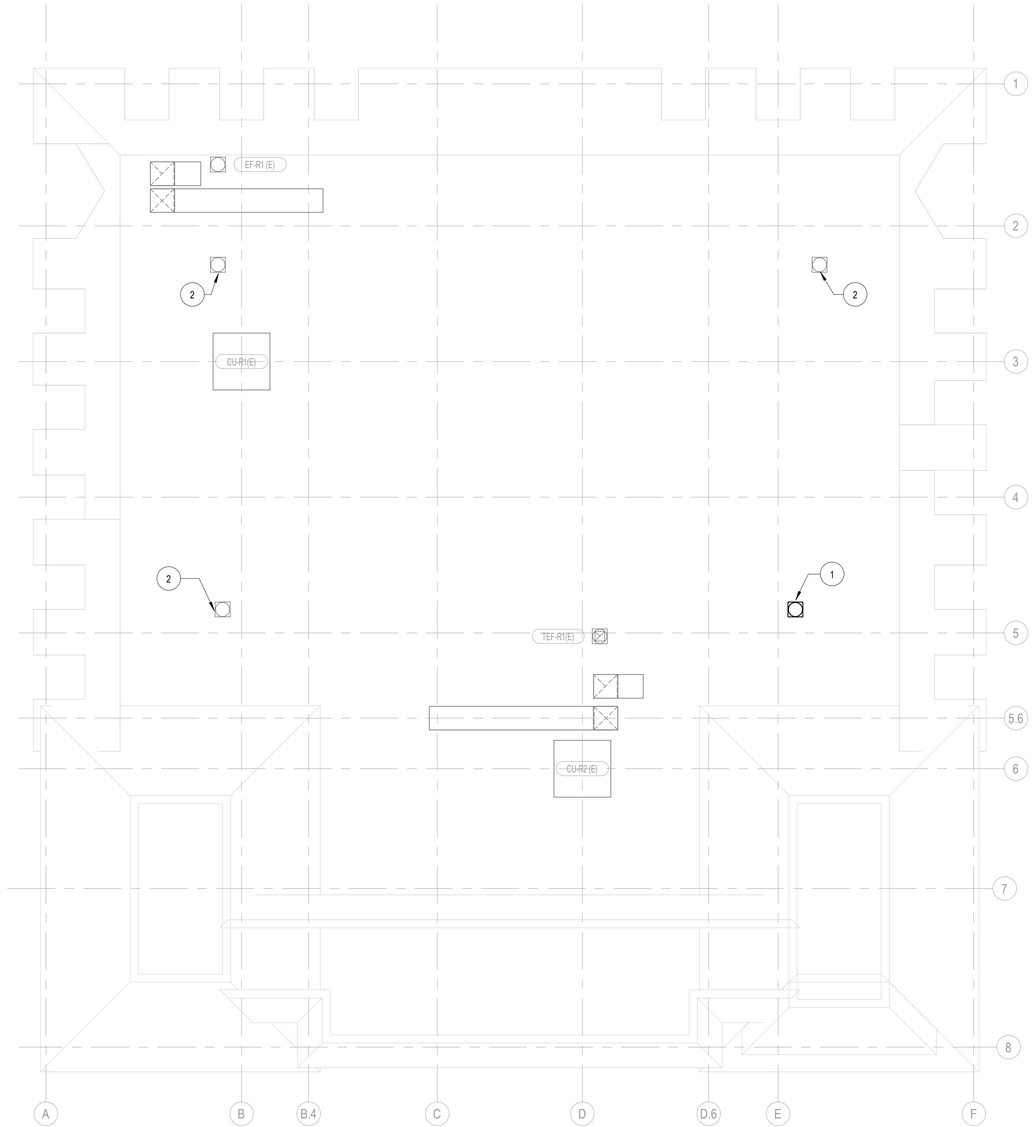
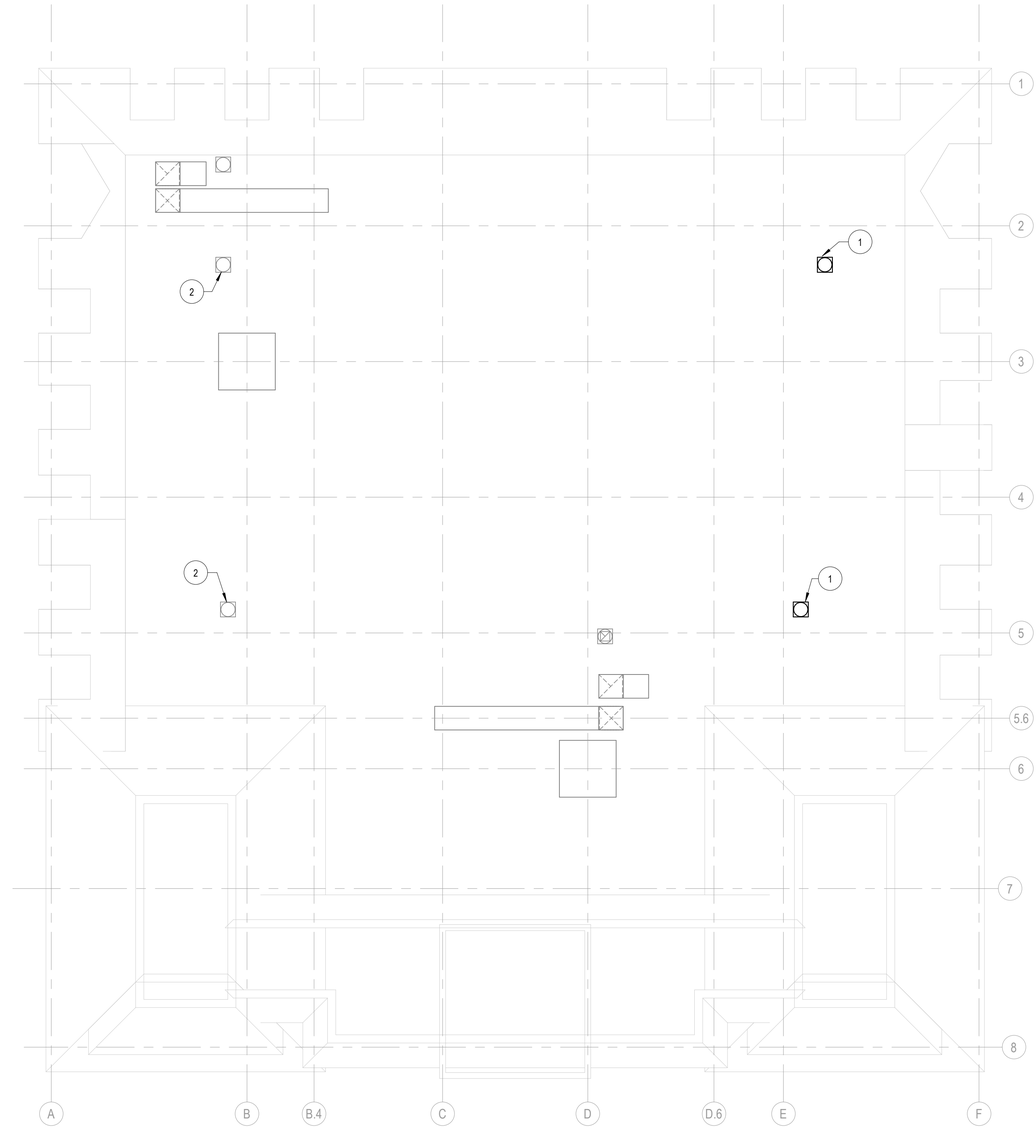


1 ROOF PLAN - DEMO HVAC
SCALE: 1/8" = 1'-0"



2 ROOF PLAN - DEMO HVAC - OPTION 6
SCALE: 1/8" = 1'-0"

REF. NOTES (x):

1 REMOVE EXISTING EXHAUST FAN. EXISTING ROOF CURB IS TO BE REUSED FOR NEW EXHAUST FAN.

2 EXISTING EXHAUST FAN TO REMAIN.

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TITLE OF SHEET
ROOF DEMOLITION FLOOR PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
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SUB SHEET NO. **M003**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **40** OF **66**

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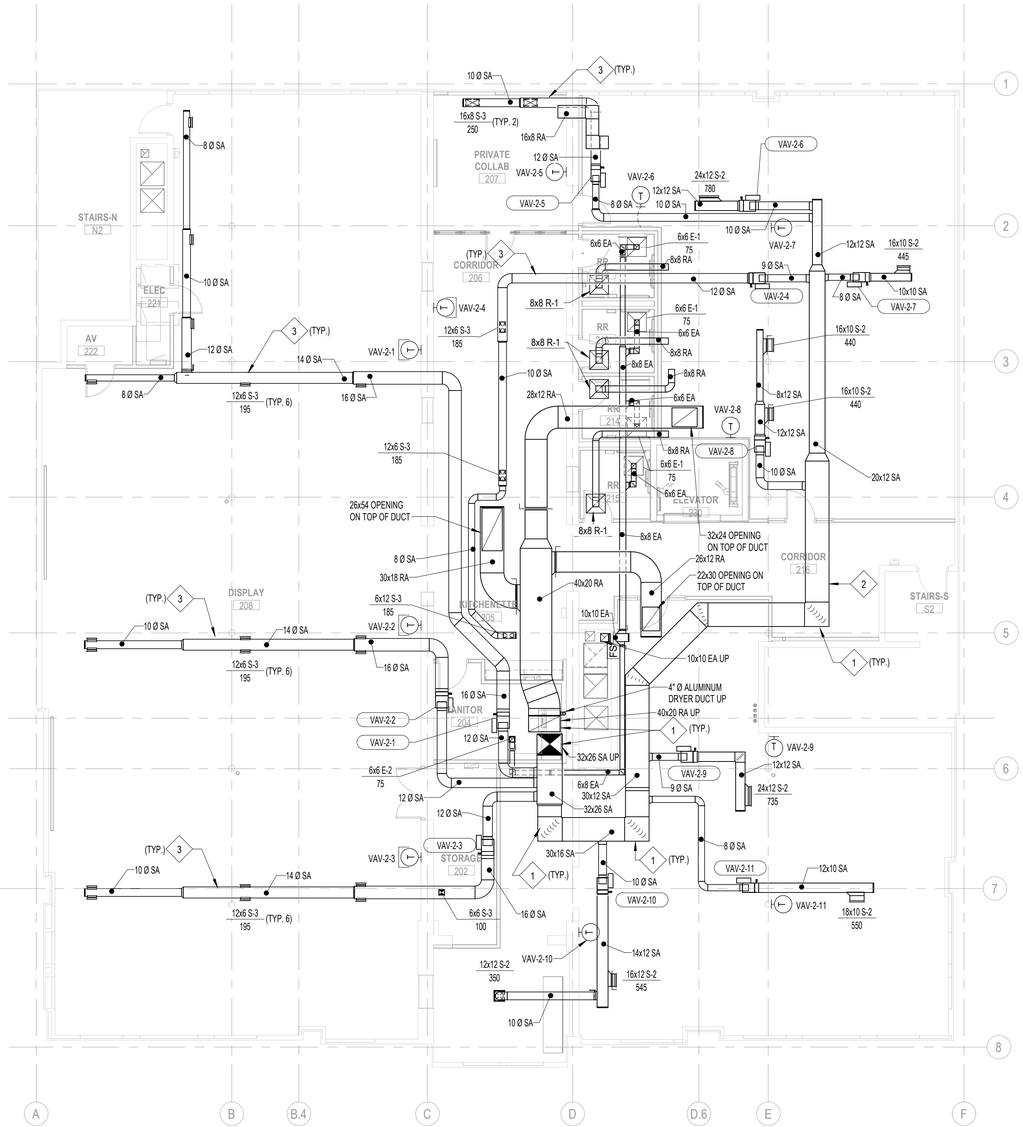
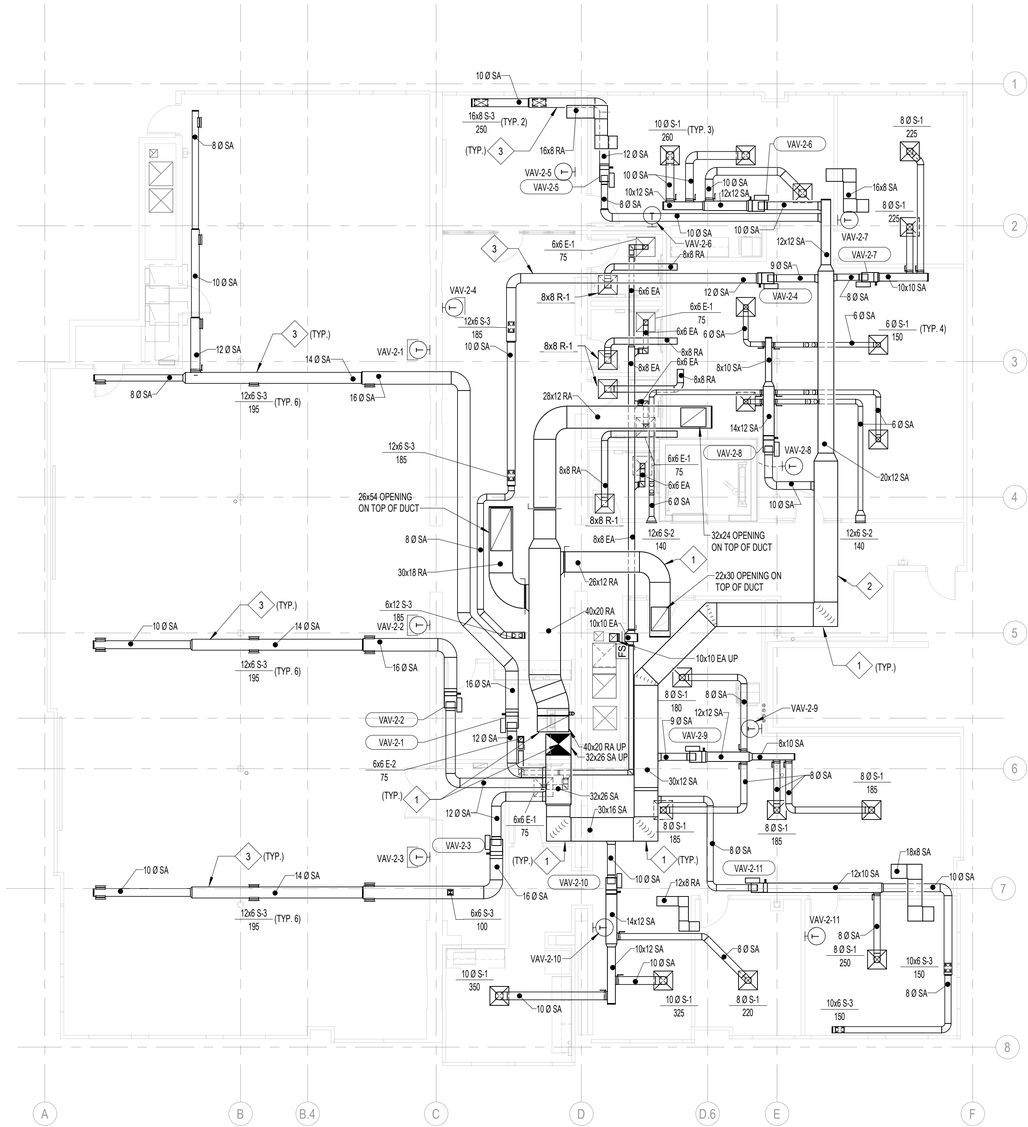


1 SECOND FLOOR PLAN - HVAC
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR PLAN - HVAC - OPTIONS 2 & 4
SCALE: 1/8" = 1'-0"

REF. NOTES (X):

1. ALL SUPPLY AND RETURN MAIN DUCT FITTINGS FOR RTU-R-1 ARE TO BE SMACNA CR3-11 OR SMACNA CR3-3.
2. EXPOSED SA DUCT IN CORRIDOR TO BE LINED IN LIEU OF EXTERNAL INSULATION. LINER IS TO BE CLOSED CELL ELASTOMERIC TYPE WITH ANTIMICROBIAL COATING TO PREVENT MOLD AND MILDEW GROWTH. LINER SHALL HAVE MINIMUM R-6 VALUE.
3. EXPOSED SA SPIRAL DUCTS ARE TO BE LINED IN LIEU OF EXTERNAL INSULATION EXCEPT FOR BRANCHES BETWEEN SA MAIN AND VAV BOX. LINER IS TO BE CLOSED CELL ELASTOMERIC TYPE WITH ANTIMICROBIAL COATING TO PREVENT MOLD AND MILDEW GROWTH. LINER SHALL HAVE MINIMUM R-6 VALUE.

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8/13/25
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TITLE OF SHEET
SECOND FLOOR PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
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ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M101**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
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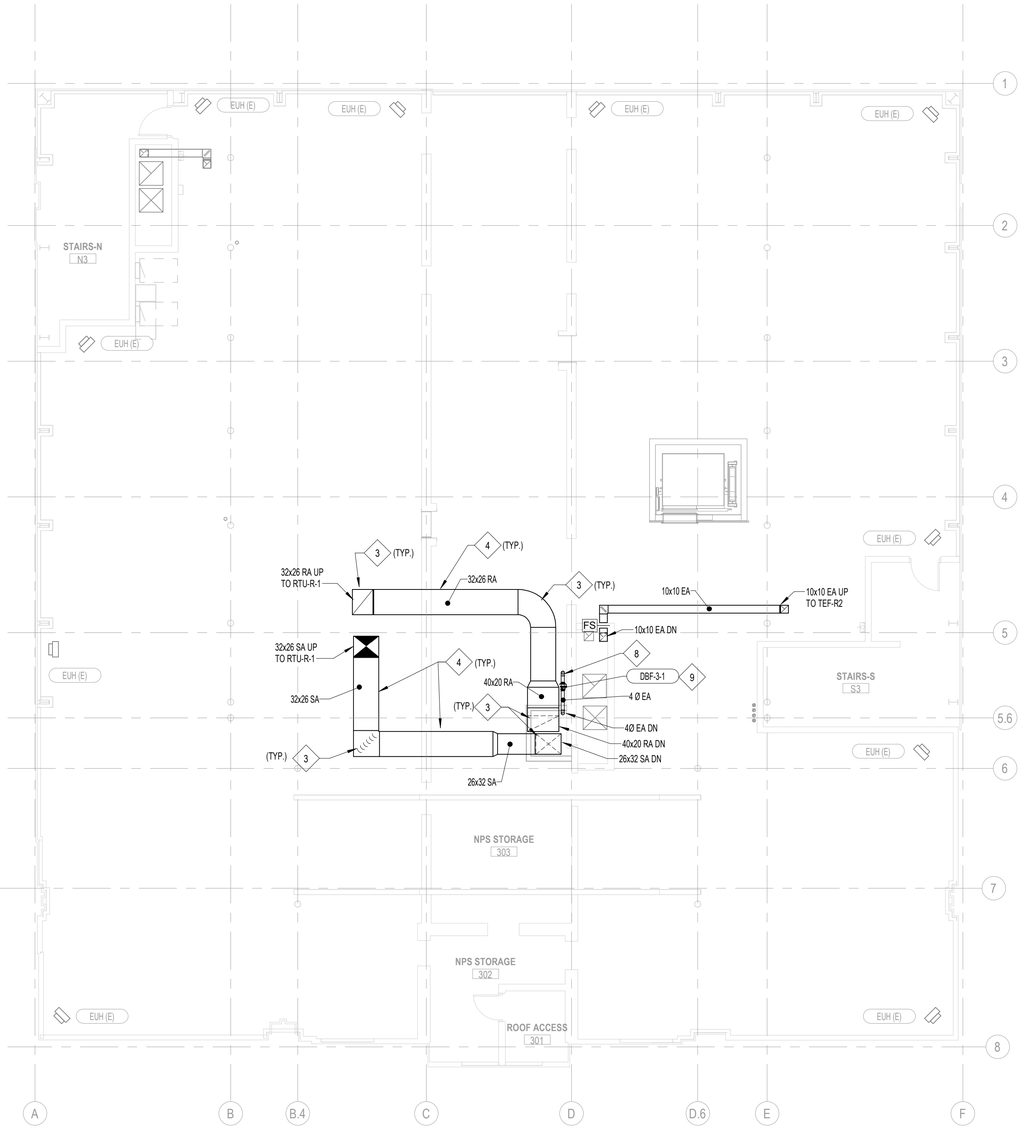
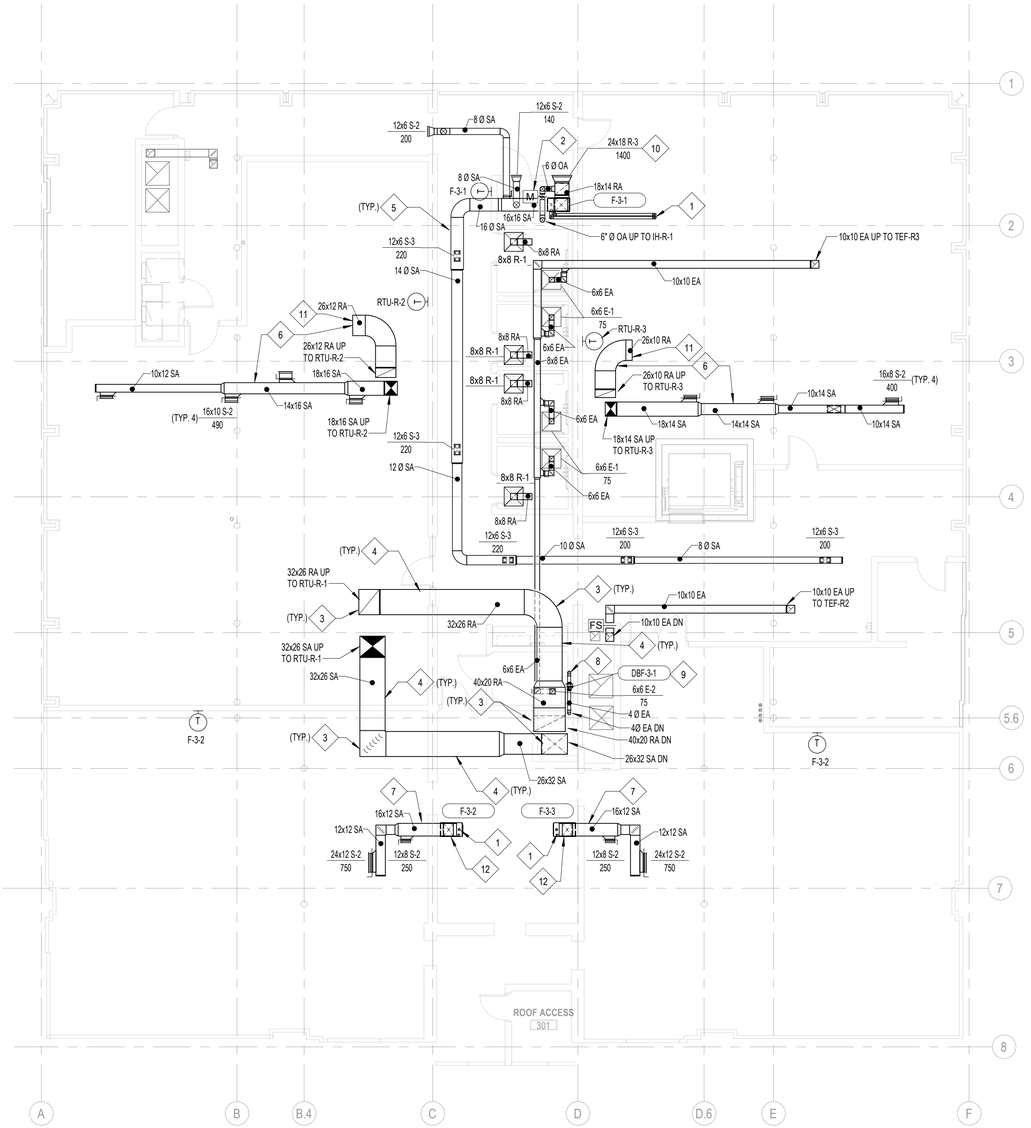


1 THIRD FLOOR PLAN - HVAC
SCALE: 1/8" = 1'-0"



2 THIRD FLOOR PLAN - HVAC - OPTON 6
SCALE: 1/8" = 1'-0"

REF. NOTES (X):

1. PVC COMBUSTION AIR AND VENT UP TO ROOF THROUGH MANUFACTURER APPROVED CONCENTRIC VENT. SIZE AND INSTALL PER MANUFACTURER REQUIREMENTS.
2. MOTORIZED DAMPER TO BE INTERLOCKED WITH F-3-1 OPERATION DURING OCCUPIED HOURS.
3. ALL SUPPLY AND RETURN MAIN DUCT FITTINGS FOR RTU-R-1 ARE TO BE SMACNA CR3-11 OR SMACNA CR3-3.
4. PROVIDE EXTERNAL INSULATION FOR THIRD FLOOR DUCT MAINS SERVING RTU-R-1.
5. SA DUCTWORK SERVING F-3-1 TO BE LINED IN LIEU OF EXTERNAL INSULATION. LINER IS TO BE CLOSED CELL ELASTOMERIC TYPE WITH ANTIMICROBIAL COATING TO PREVENT MOLD AND MILDEW GROWTH. LINER SHALL HAVE MINIMUM R-6 VALUE.
6. RTU-R-2/3 TO HAVE EXTERNAL INSULATION FOR SA DUCTWORK. PROVIDE DUCT LINER FOR RA DUCTWORK.
7. F-3-2/3 TO HAVE EXTERNALLY INSULATED DUCTWORK.
8. TERMINATE 4" DRYER VENT THROUGH MANUFACTURER APPROVED ROOF JACK. SEE DRYER VENT SCHEDULE ON M501.
9. MOUNT DBF-3-1 ON WALL 8'-0" A.F.F.
10. BOTTOM OF GRILLE TO BE LOCATED 7'-3" A.F.F.
11. RETURN OPEN TO SPACE. COVER OPENING WITH 1/2" GALVANIZED STEEL MESH.
12. FURNACE RETURN TO BE OPEN TO SPACE. OPENING TO HAVE FILTER RACK.

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TITLE OF SHEET
THIRD FLOOR PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
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ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M102**
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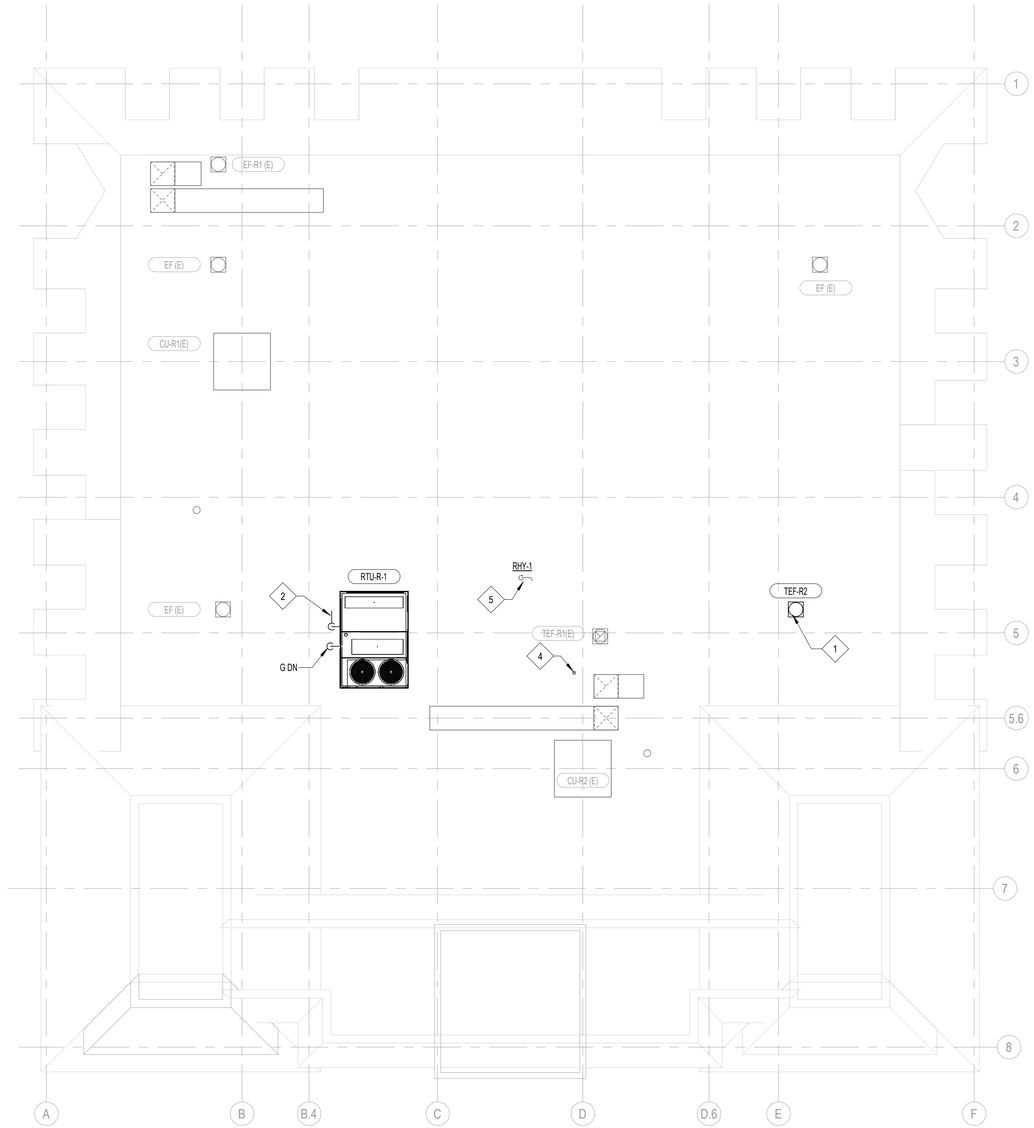
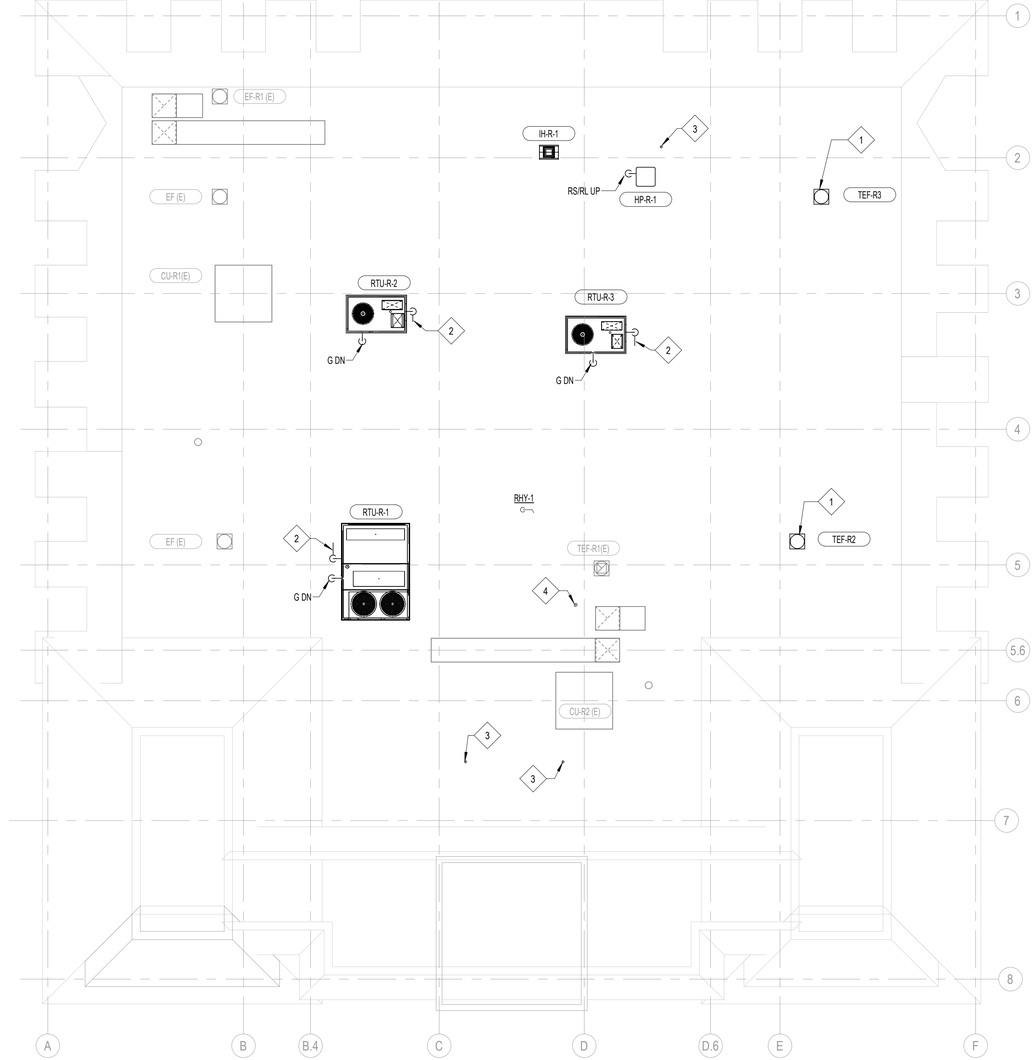


1 ROOF PLAN - HVAC
SCALE: 1/8" = 1'-0"



2 ROOF PLAN - HVAC - OPTION 6
SCALE: 1/8" = 1'-0"

REF. NOTES (X):

1	INSTALL EXHAUST FAN ON EXISTING ROOF CURB. PROVIDE CURB ADAPTER AS REQUIRED.
2	FULL SIZE CONDENSATE TO DISCHARGE ON ROOF.
3	PVC COMBUSTION AIR AND VENT UP TO ROOF THROUGH MANUFACTURER APPROVED CONCENTRIC VENT. SIZE AND INSTALL PER MANUFACTURER REQUIREMENTS.
4	TERMINATE 4" DRYER VENT THROUGH MANUFACTURER APPROVED ROOF JACK. SEE DRYER VENT SCHEDULE ON M501.
5	COORDINATE LOCATION WITH COR. SEE CONTINUATION ON PLUMBING DRAWINGS.

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TITLE OF SHEET
ROOF FLOOR PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M103**
DRAWING NO. 590 / 80000
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SHEET **43** OF **66**

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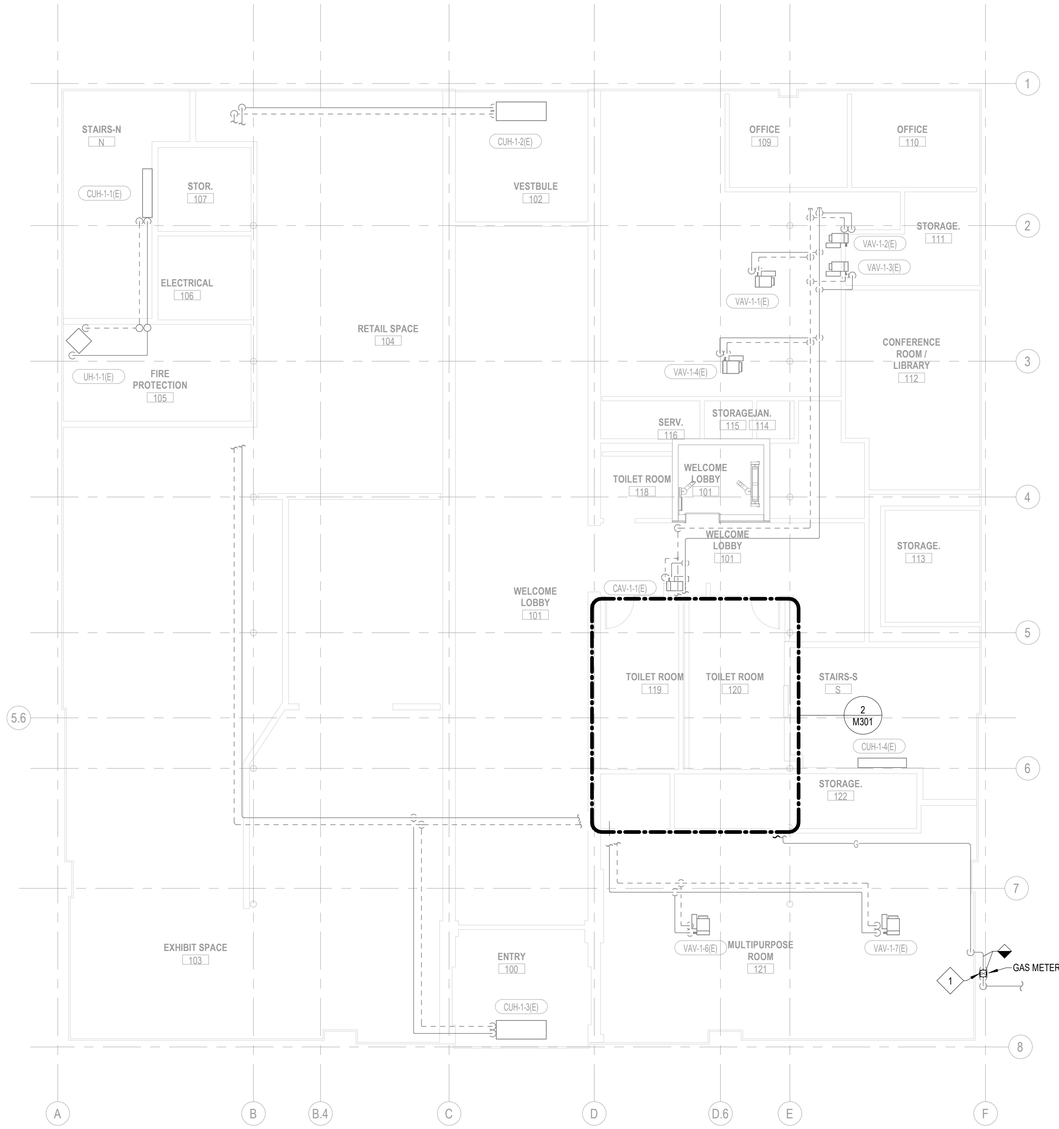
REF. NOTES (X):

1 CONTRACTOR TO COORDINATE REPLACEMENT OF GAS METER FOR UNIT SIZED FOR INCREASED GAS LOAD WITH GAS UTILITY PROVIDER. CONTRACTOR TO COORDINATE WORK REQUIRED TO REPLACE GAS METER REGULATOR TO ALLOW FOR 2 PSI GAS PRESSURE.



1 FIRST FLOOR PLAN - HVAC PIPING
SCALE: 1/8" = 1'-0"

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TITLE OF SHEET
FIRST FLOOR PIPING PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
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SUB SHEET NO. **M201**
DRAWING NO. 590 / 80000
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SHEET **44** OF **66**

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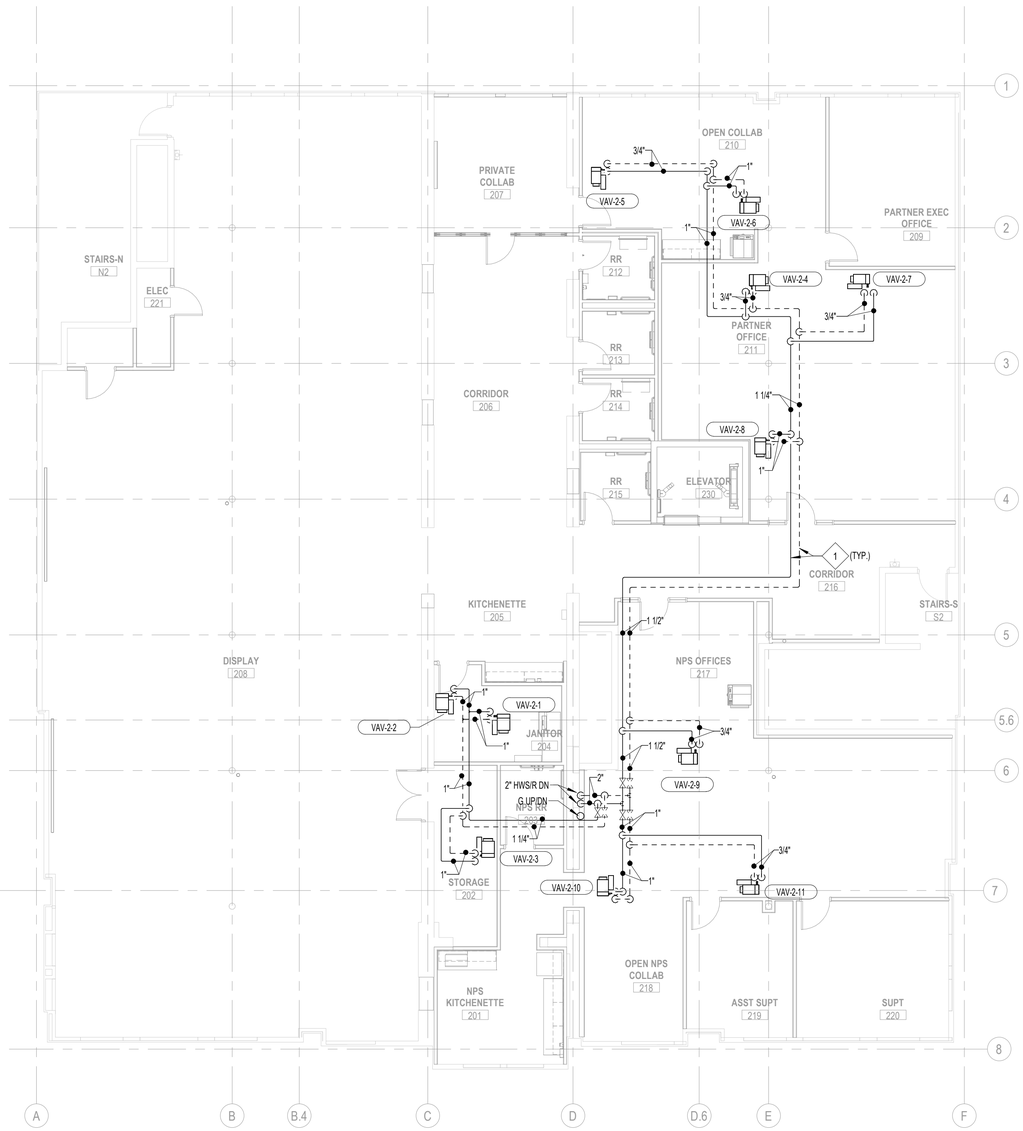
REF. NOTES (X):

1 EXPOSED PIPING TO BE ROUTED UP HIGH NEAR STRUCTURE. PAINT TO MATCH CEILING.



1 SECOND FLOOR PLAN - HVAC PIPING
SCALE: 1/8" = 1'-0"

NORTH

Exp: 11/30/2025

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SECOND FLOOR PIPING PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M202**
DRAWING NO. 590 / 80000
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SHEET **45** OF **66**

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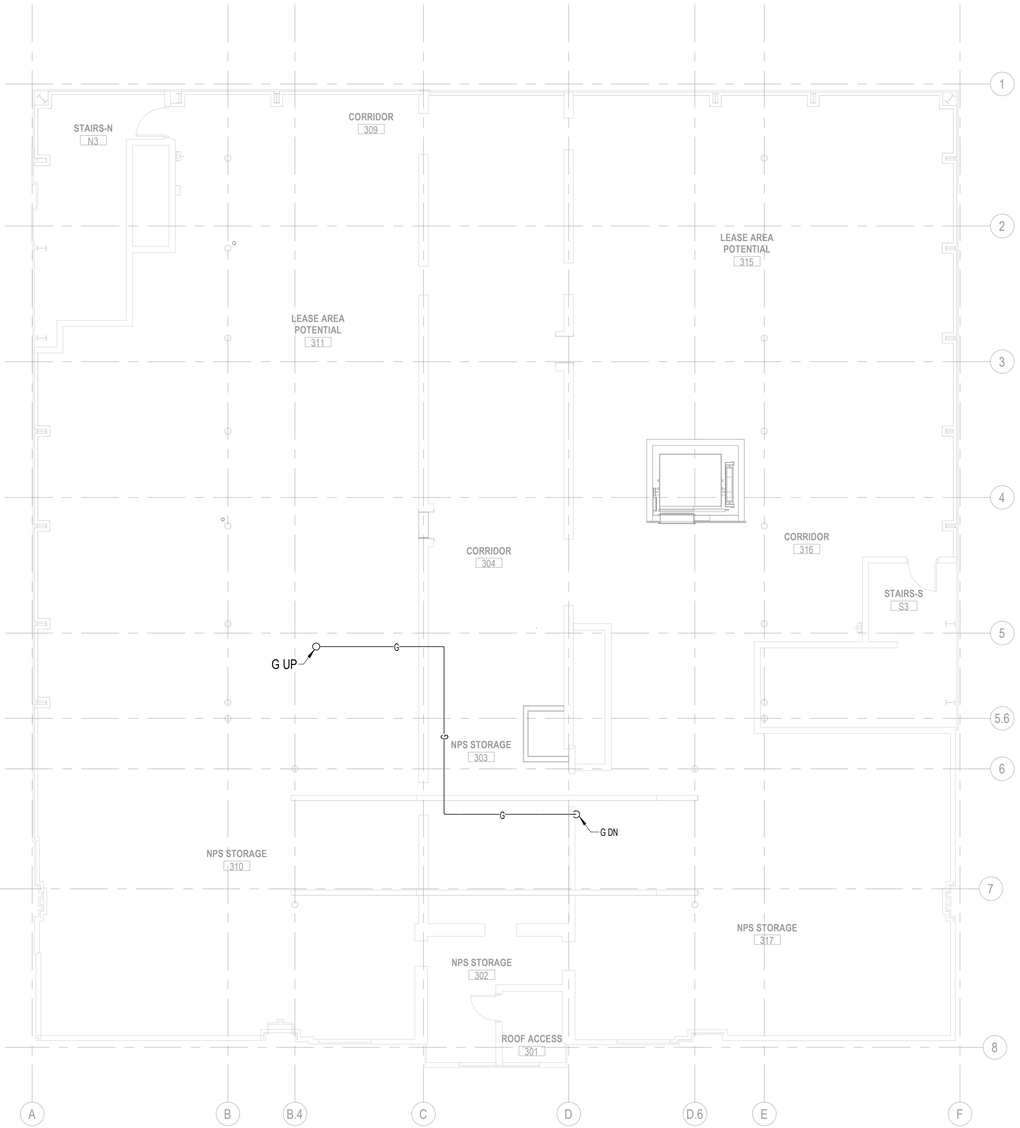
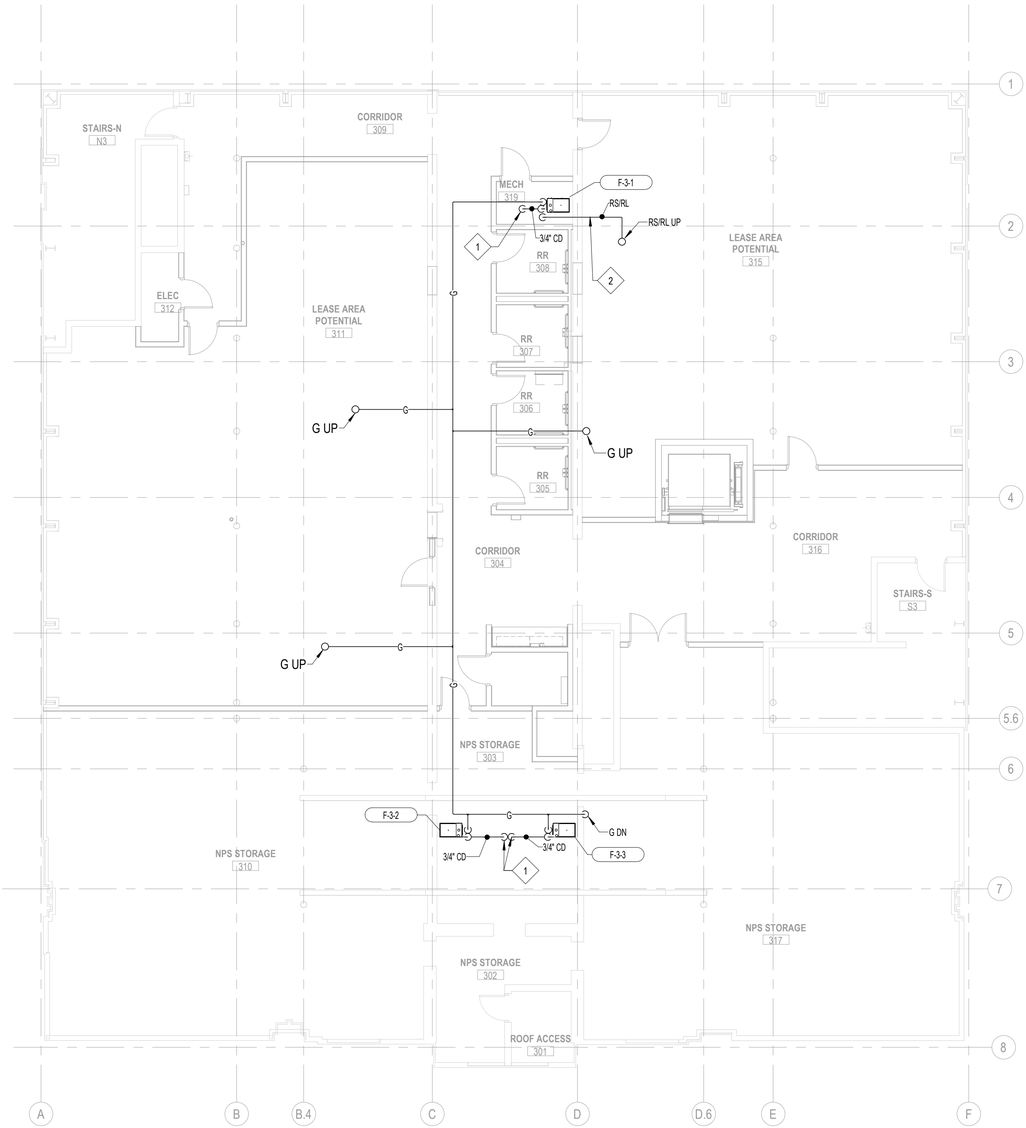


1 THIRD FLOOR PLAN - HVAC PIPING
SCALE: 1/8" = 1'-0"



2 THIRD FLOOR PLAN - HVAC PIPING - OPTION 6
SCALE: 1/8" = 1'-0"

REF. NOTES (x):

1 3/4" CD TO DISCHARGE TO FLOOR DRAIN.

2 SIZE AND INSTALL REFRIGERANT PIPING PER MANUFACTURER'S REQUIREMENTS AND THE SPECIFICATIONS. ALL PIPE PENETRATIONS SHALL BE DONE NEAT AND CLEAN.

NORTH

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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REVISED	
DATE	INITIAL

PREPARED
AJP DESIGNED
AJP DRAWN
JEK CHECKED
08/13/2025 DATE

TITLE OF SHEET
THIRD FLOOR PIPING PLAN - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M203**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **46** OF **66**

Exp: 11/30/2025
LICENSED PROFESSIONAL ENGINEER
JEFFREY L KULHANEK
062-072654
8/13/25
OF ILLINOIS

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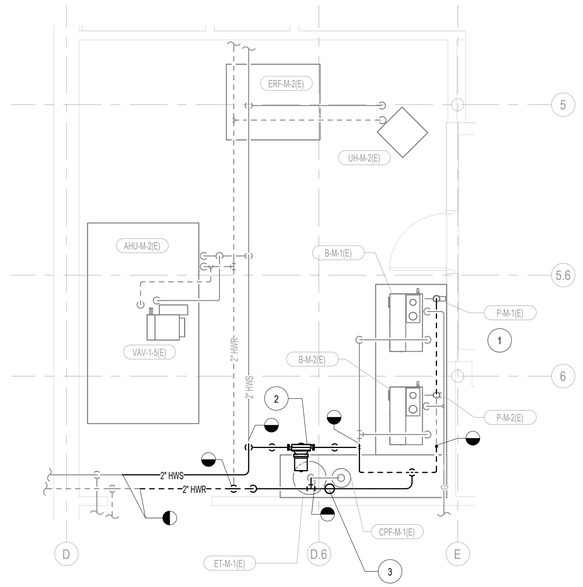
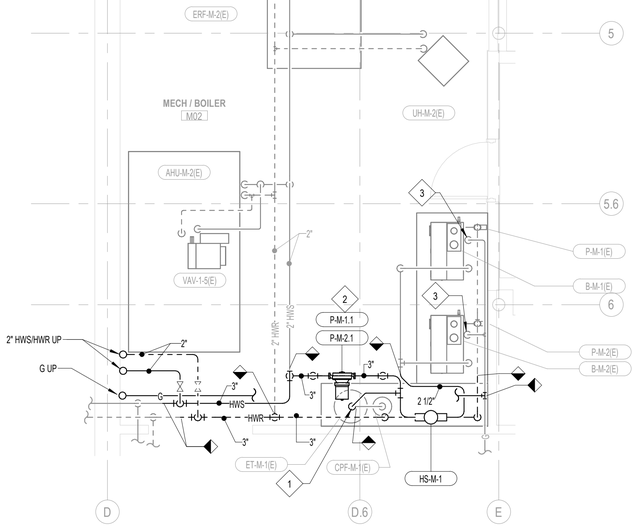
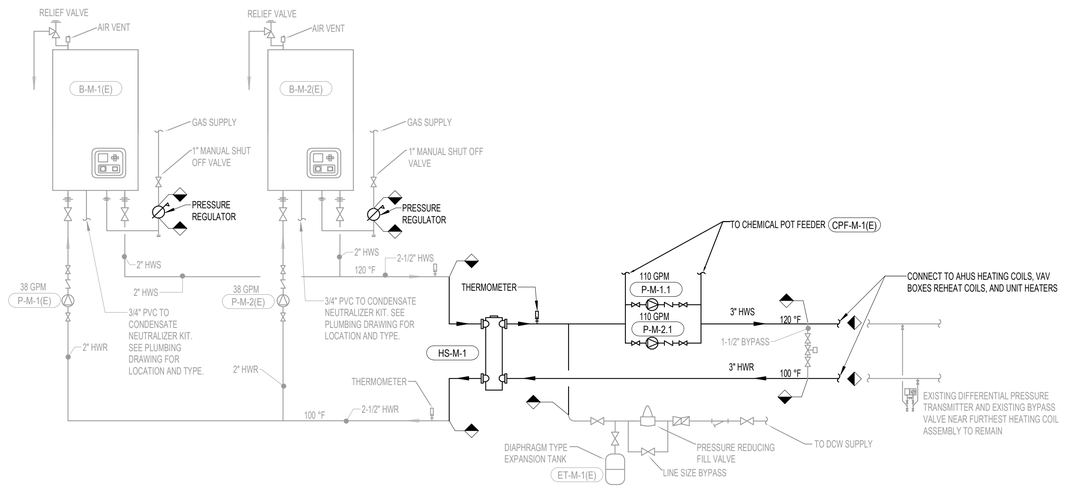


1 MECHANICAL 02 - DEMO HVAC PIPING
SCALE: 1/4" = 1'-0"



2 MECHANICAL 02 - HVAC PIPING
SCALE: 1/4" = 1'-0"



3 BOILER AND PUMP SYSTEM SCHEMATIC
SCALE: NOT TO SCALE

REF. DEMO NOTES (X):

1	REMOVE EXISTING PIPING AS SHOWN.
2	REMOVE EXISTING PUMPS AND SPECIALTIES AS SHOWN.
3	REMOVE EXISTING AIR SEPERATOR.

REF. NOTES (X):

1	CONNECT PIPING TO EXISTING EXPANSION TANK AND CHEMICAL POT FEEDER.
2	PUMPS ARE TO BE INSTALLED IN SAME MANNER AS PREVIOUS INSTALLATION.
3	PROVIDE GAS REGULATOR IN EXISTING GAS BRANCH SERVING BOILER.

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062-072654
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TITLE OF SHEET
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PULLMAN NATIONAL MONUMENT ADMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M301**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **47** OF **66**

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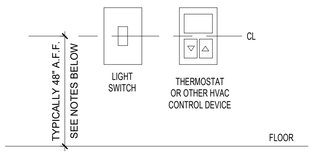
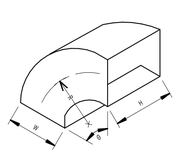
TYPICAL HVAC CONTROL DEVICE INSTALLATION

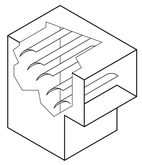


NOTES:
1. WHEN THERMOSTAT IS LOCATED ADJACENT TO LIGHT SWITCH OR OTHER WALL MOUNTED ELECTRICAL OR CONTROL DEVICE, DEVICES TO BE INSTALLED AT THE SAME ELEVATION.
2. ALL USER INPUT BUTTONS OR SWITCHES ON CONTORL DEVICE TO BE LOCATED BELOW 48" A.F.F. TO MEET ADA REQUIREMENTS.
3. WHEN INSTALLED NEAR DOOR, LIGHT SWITCH SHALL BE DEVICE CLOSEST TO DOOR FRAME.
4. IF DEVICE IS LOCATED ABOVE COUNTER, INSTALL AT 40" A.F.F.

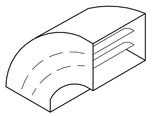
1 THERMOSTAT DETAIL
SCALE: 12" = 1'-0"



TYPE RE 1
RADIUS ELBOW



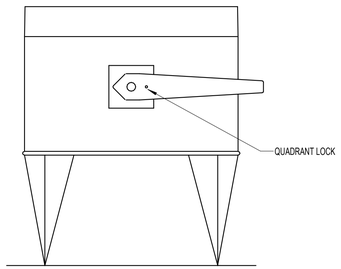
TYPE RE 2
SQUARE THROAT ELBOW
WITH VANES

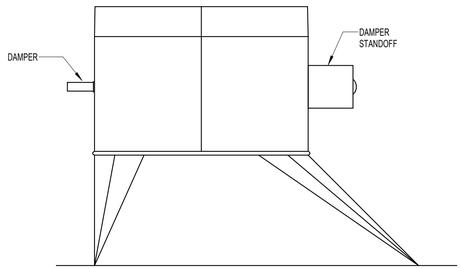


TYPE RE 3
RADIUS ELBOW WITH VANES

CENTERLINE R = (3W)/2 UNLESS OTHERWISE SPECIFIED Θ IS NOT RESTRICTED TO 90°. SQUARE THROAT, R/W=0.5, MAY BE USED, UP TO 1000 FPM (5 MPS).

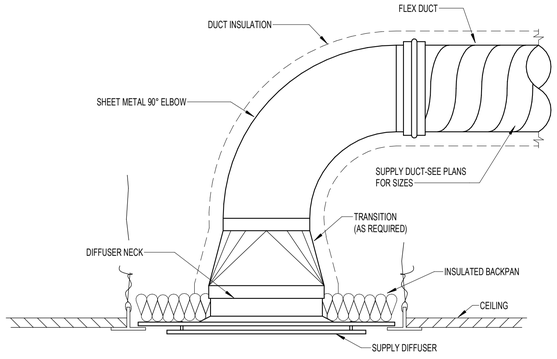
2 DUCT ELBOW DETAIL
SCALE: NOT TO SCALE



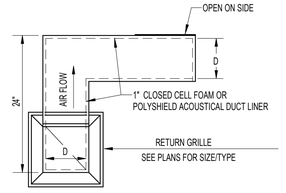


NOTE:
ALL TAPS TO AIR TERMINALS REQUIRING BALANCING AT DUCT SHALL BE MADE USING A HIGH EFFICIENCY TAKEOFF.

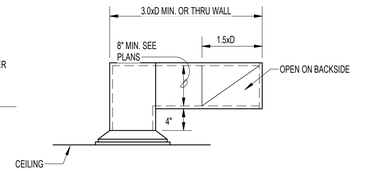
3 HIGH EFFICIENCY TAKEOFF DETAIL
SCALE: NOT TO SCALE



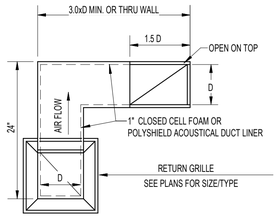
4 SUPPLY DIFFUSER/ DUCT CONNECTION DETAIL
SCALE: NOT TO SCALE



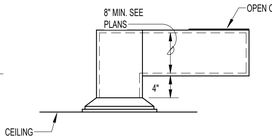
PLAN



ELEVATION



PLAN



ELEVATION

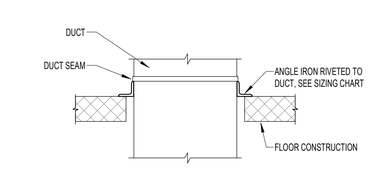
NOTE:

PROVIDE DUCT HANGERS PER SMACNA AND THE SPECIFICATIONS.

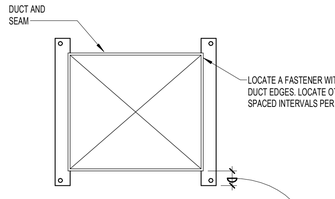
5 SOUND TRAP TRANSFER DETAIL AT GRILLE
SCALE: NOT TO SCALE

NOTE:
1. SOUND TRAP TO HAVE SAME INSIDE NET DIMENSIONS AS INDICATED FOR OPENING.
2. DUCT HEIGHT TO BE 8" MINIMUM, SEE PLANS.

8 SOUND TRAP TRANSFER DETAIL AT WALL
SCALE: NOT TO SCALE

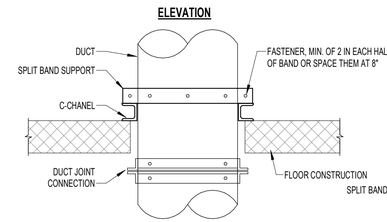


ELEVATION

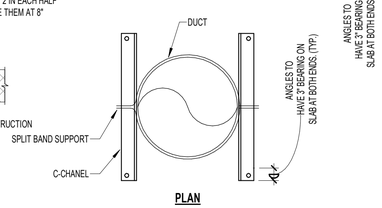


PLAN

DUCT SIZE	ANGLE
36" x 18"	1-1/2" x 1-1/2" x 1/8"
48" x 24"	1-1/2" x 1-1/2" x 1/8"
60" x 30"	1-1/2" x 1-1/2" x 3/16"
60" x 30"	1-1/2" x 1-1/2" x 1/4" or 2" x 2" x 1/8"



ELEVATION

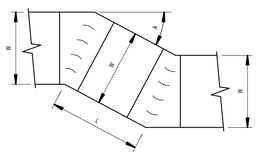


PLAN

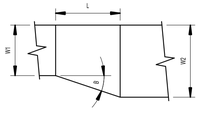
DUCT DIA.	BAND SIZE	BOLT DIA.
UP TO 12"	1" x 16 GAUGE	1/4"
13" TO 24"	1-1/2" x 16 GAUGE	1/4"
25" TO 36"	2" x 16 GAUGE	3/8"
37" TO 60"	2" x 10 GAUGE	3/8"

NOTE: FIRE CAULK AS REQUIRED.

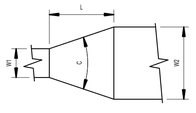
6 VERTICAL DUCT SUPPORT DETAILS
SCALE: NOT TO SCALE



Offset Type 1
(ANGLED)
A (MAX.)=15°



ECCENTRIC TRANSITION
B (MAX.)=30°
(EXCEPT 45° IS PERMITTED AT ROUND TO FLAT OVAL)



CONCENTRIC TRANSITION
C (MAX.)=45° DIVERGING, 60° CONVERGING

7 OFFSETS AND TRANSITIONS DETAIL
SCALE: NOT TO SCALE

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PROFESSIONAL ENGINEER
JEFFREY E KULHANEK
062-072654
8/13/25
OF ILLINOIS

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11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M401**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **48** OF **66**

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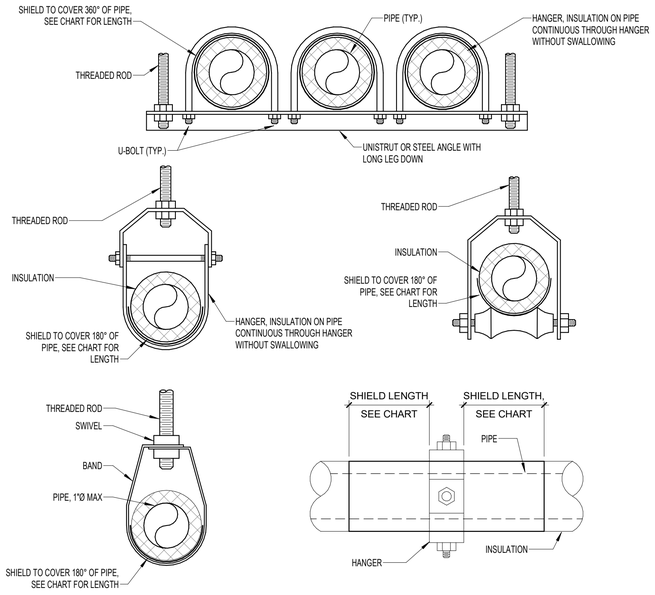
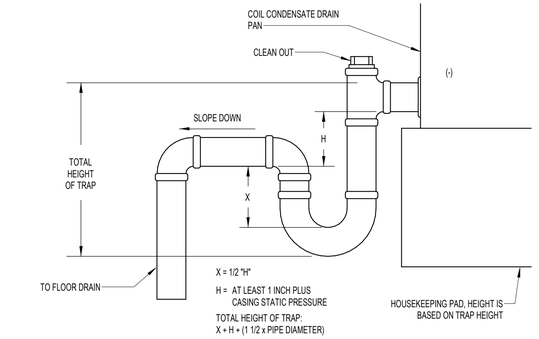


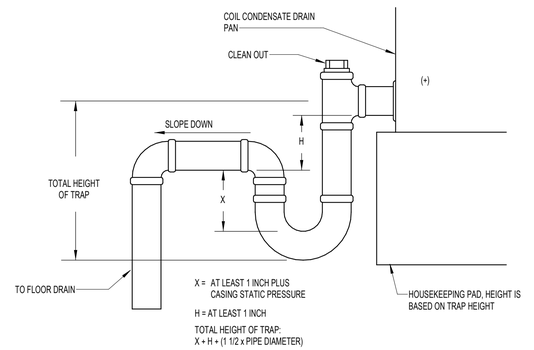
SHIELD LENGTH FOR PIPE - NOT LESS THAN THE FOLLOWING:		
a.	NPS 1/4" TO 3-1/2"	12" LONG AND .048" THICK
b.	NPS 4"	12" LONG AND .06" THICK
c.	NPS 5" TO 6"	18" LONG AND .06" THICK
d.	NPS 8" TO 14"	24" LONG AND .075" THICK
e.	NPS 16" TO 24"	24" LONG AND .105" THICK

NOTE:
1. PIPES NPS 8" AND LARGER: INCLUDE WOOD OR REINFORCED CALCIUM-SILICATE-INSULATION INSERTS OF LENGTH AT LEAST AS LONG AS PROTECTIVE SHIELD.
2. THERMAL-HANGER SHIELDS: INSTALL WITH INSULATION SAME THICKNESS AS PIPING INSULATION.

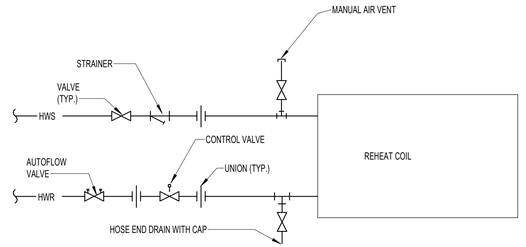
1 PIPE HANGER DETAIL
SCALE: NOT TO SCALE



2 CONDENSATE DRAIN TRAP NEGATIVE STATIC PRESSURE
SCALE: NOT TO SCALE

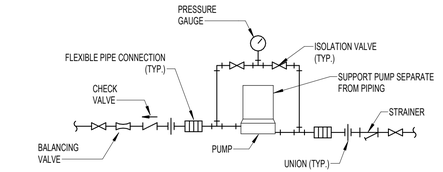


3 CONDENSATE DRAIN TRAP POSITIVE STATIC PRESSURE
SCALE: NOT TO SCALE

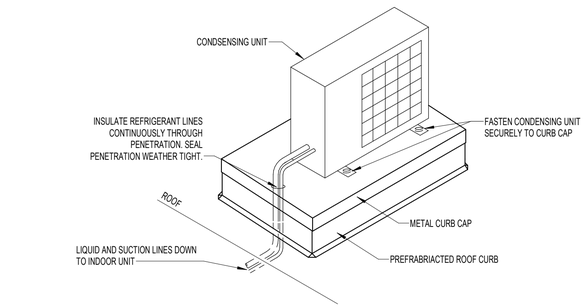


NOTE: SEE PLANS FOR PIPE SIZE, MINIMUM 3/4".

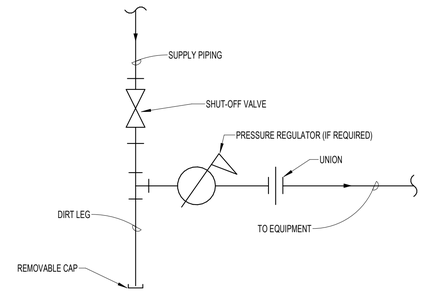
4 REHEAT COIL PIPING DETAIL
SCALE: NOT TO SCALE



5 IN-LINE CIRCULATING PUMP PIPING (VFD) DETAIL
SCALE: NOT TO SCALE



6 CONDENSING UNIT SUPPORT/ PIPING THROUGH ROOF DETAIL
SCALE: NOT TO SCALE



7 TYPICAL GAS PIPING DETAIL
SCALE: NOT TO SCALE

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LICENSED PROFESSIONAL ENGINEER
JEFFREY E KULHANEK
062-072654
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CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M402**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **49** OF **66**

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GAS FIRED FURNACE & CONDENSING UNIT, SPLIT SYSTEM SCHEDULE

				FURNACE DATA																				HEAT PUMP UNIT DATA									
				COOLING COIL DATA				HEAT PUMP COIL DATA			HEATING DATA						FAN		MOTOR DATA								ELECTRICAL DATA							
				AIRSIDE DATA		MIN CAP		MIN CAP (MBH)			HEATING (MBH)																						
				EAT (°F)																													
MARK	LOCATION	CFM	MIN OA CFM	DB	WB	TOTAL BTUH	SENS. BTUH	@ 47 °F	@ 17 °F	HSPF2 (BTUH/W)	FUEL TYPE	INPUT	OUTPUT	AFUE	HEATING STAGES	EXT SP (IN WG)	FILTER TYPE	HP	VOLTS	PH	HZ	FURNACE MANUFACTURER AND MODEL NUMBER	EVAPORATOR MANUFACTURER AND MODEL NUMBER	MARK	LOCATION	AMB TEMP (°F)	REFER TYPE	MINIMUM CIRCUIT AMPS	MAXIMUM FUSE AMPS	VOLTS	PH	HZ	SEER	HEAT PUMP UNIT MANUFACTURER AND MODEL NUMBER	REMARKS
F-3-1	THIRD FLOOR MECH	1,400	85	80	67	41.0	31.7	39	24.6	7.5	NAT GAS.	60	58.2	95.0%	2	0.60	MERV 11	0.75	120	1	60	TRANE S9X2B060U4PSB	TRANE 5TXCB006AS3	HP-R-1	ROOF	95	R-454B	8.6	15	460	3	60	15.0	TRANE 5TWA4042A4	1,2,3

NOTES:
1. PROVIDE UPFLOW FURNACE WITH FILTER RACK AT SIDE RETURN. PROVIDE CONCENTRIC VENT KIT.
2. PROVIDE WITH REFRIGERANT LINESET, SIZED PER MANUFACTURER REQUIREMENTS.
3. INSTALL F-3-1 ON 12" STAND. INSTALL HP-R-1 ON 12" ROOF CURB.

GAS FIRED FURNACE SCHEDULE

			HEATING DATA					MOTOR DATA						
				HEATING (MBH)										
MARK	CFM	ESP (IN WG)	FUEL TYPE	INPUT	OUTPUT	AFUE	HEATING STAGES	HP	VOLTS	PH	HZ	FILTER TYPE	MANUFACTURER AND MODEL NUMBER	REMARKS
F-3-2	1000	0.6	NAT. GAS	60	58	95	1	0.75	120	1	60	MERV 11	TRANE S9X1B060U4PSB	1,2
F-3-3	1000	0.6	NAT. GAS	60	58	95	1	0.75	120	1	60	MERV 11	TRANE S9X1B060U4PSB	1,2

NOTES:
1. PROVIDE UNIT WITH CONCENTRIC VENT, SIDE RETURN INLET, PROGRAMMABLE THERMOSTAT.
2. INSTALL UNIT ON 12" STAND.

DIFFUSER, REGISTER AND GRILLE SCHEDULE

MARK	MOUNTING TYPE	FACE SIZE (IN.)	NECK SIZE (IN.)	BLADE ANGLE	VOLUME CONTROL	MATERIAL / FINISH	MAX PD (IN WG)	MAX NC AT PD SHOWN	BASIS OF DESIGN	REMARKS
S-1	LAY-IN	24 X 24	SEE PLANS	---	DAMPER IN DUCT	STEEL / WHITE	0.1	25	KRUEGER PLQ	2
S-2	SURFACE	NOTE 1	SEE PLANS	45	DAMPER IN DUCT	STEEL / WHITE	0.1	25	KRUEGER 880	1,3
S-3	DUCT MTD.	SEE PLANS	SEE PLANS	22.5	EXTRACTOR	STEEL / WHITE	0.1	25	KRUEGER 5DMGDR	1,3
R-1	SURFACE	NOTE 1	SEE PLANS	35	NONE	STEEL / WHITE	0.1	25	KRUEGER S80	1,5
E-1	SURFACE	24 X 24	SEE PLANS	---	DAMPER IN DUCT	STEEL / WHITE	0.1	25	KRUEGER EGC10	4
E-2	SURFACE	NOTE 1	SEE PLANS	---	DAMPER IN DUCT	STEEL / WHITE	0.1	25	KRUEGER EGC10	1,4

NOTES:
1. FACE SIZE TO BE NECK SIZE + ADDITIONAL LENGTH FROM MOUNTING FRAME.
2. PROVIDE WITH STRAIGHTENING GRID IN NECK.
3. DOUBLE DEFLECTION GRILLE, WITH 3/4" BLADE SPACING.
4. PROVIDE WITH 1"x1"x1" EGG CRATE OPENING AS SHOWN ON THE PLANS.
5. SINGLE DEFLECTION GRILLE, WITH 3/4" BLADE SPACING.

HOOD SCHEDULE

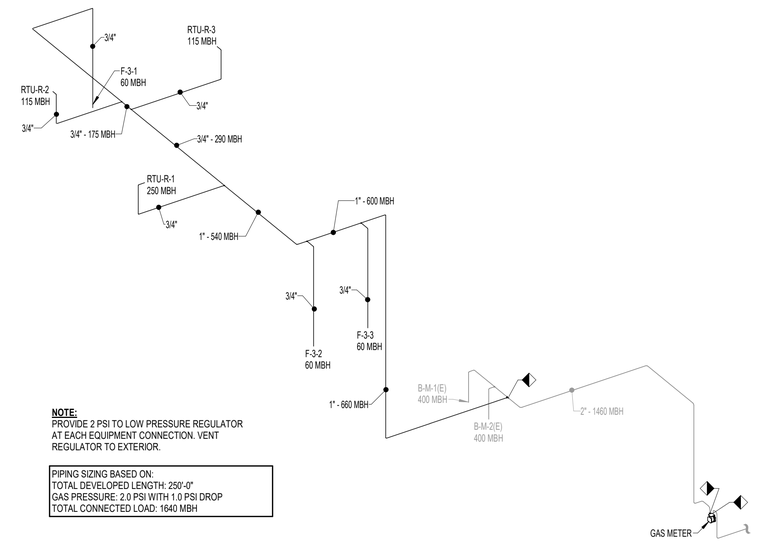
						THROAT SIZE			
MARK	LOCATION	SERVES	TYPE	CFM	MAX APD (IN WG)	WIDTH (IN)	LENGTH (IN)	MANUFACTURER AND MODEL NUMBER	REMARKS
IH-R-1	ROOF	F-3-1	INTAKE	85	0.05	8	8	GREENHECK FGI	1

NOTES: 1. PROVIDE UNIT WITH 14" ROOF CURB, BIRD SCREEN, AND MOTORIZED DAMPER. DAMPER TO BE INTERLOCKED WITH F-3-1 OPERATION.

DRYER VENTING

NUMBER OF 90° ELBOWS	HORIZONTAL LENGTH	VERTICAL LENGTH	TOTAL VENT LENGTH	ALLOWED VENT LENGTH
3	5'-0"	28'-6"	48-6"	35'-0"

CONTRACTOR SHALL IDENTIFY INSTALLED EQUIVALENT LENGTH WITH PERMANENT TAG AT CONNECTION LOCATION.



NOTE:
PROVIDE 2 PSI TO LOW PRESSURE REGULATOR AT EACH EQUIPMENT CONNECTION. VENT REGULATOR TO EXTERIOR.

PIPING SIZING BASED ON:
TOTAL DEVELOPED LENGTH: 250'-0"
GAS PRESSURE: 2.0 PSI WITH 1.0 PSI DROP
TOTAL CONNECTED LOAD: 1640 MBH

1 NATURAL GAS RISER DIAGRAM
NOT TO SCALE

GAS FIRED ROOF TOP UNIT SCHEDULE

						COOLING MBH				HEATING MBH			ELECTRICAL DATA						
MARK	SUPPLY AIR CFM	MIN. OUTSIDE AIR CFM	ESP (IN WG)	EFFICIENCY EER	FILTER TYPE	TOTAL	SENSIBLE	STAGES	REFRIGERANT	INPUT	OUTPUT	MODULATION	VOLTS	PH	MIN CIRC AMPS	MAX FUSE AMPS	WEIGHT (LBS)	BASIS OF DESIGN	REMARKS
RTU-R-1	7,000	1595	1.53	10.8	MERV 11	243.4	171.8	2	R-454B	250	202.5	10:1	460	3	60	80	2713	TRANE YHK240A4SBL	1-9
RTU-R-2	1,950	0	1	12	MERV 11	61.7	46.6	2	R-454B	115	92	1-stage	460	3	13	20	780	TRANE GDK060A4EMA	6-11
RTU-R-3	1,600	0	1	12	MERV 11	52.5	39.8	4	R-454B	115	92	1-stage	460	3	12	15	760	TRANE GDK048A4EMA	6-10,12

NOTES:
1. PROVIDE UNIT WITH VAV SUPPLY AIR FAN WITH SHAFT GROUNDING.
2. PROVIDUE UNIT WITH DRY BULB ECONOMIZER WITH 100% POWERED EXHAUST.
3. PROVIDE UNIT WITH FACTORY-PROVIDED VFD.
4. PROVIDE UNIT WITH FACTORY PROVIDED RETURN AIR SMOKE DETECTOR.
5. UNIT IS TO BE CONNECTED TO EXISTING BACNET CONTROL SYSTEM.
6. PROVIDE UNIT WITH CONDENSER HAIL GUARDS.
7. PROVIDUE UNIT WITH 14" ROOF CURB WITH SPRING VIBRATION ISOLATORS WITH 1.5" DEFLECTION.
8. PROVIDE WITH GFI RECEPTACLE AND NONFUSED DISCONNECT.
9. PROVIDE UNIT WITH FACTORY REFRIGERANT DETECTION SYSTEM.
10. PROVIDUE UNIT WITH DRY BULB ECONOMIZER WITH 100% BAROMETRIC RELIEF.
11. UNIT WAS DESIGNED FOR OCCUPANCY OF 11 PEOPLE AND MINIMUM OUTSIDE AIRFLOW RATE OF 185 CFM.
12. UNIT WAS DESIGNED FOR OCCUPANCY OF 15 PEOPLE AND MINIMUM OUTSIDE AIRFLOW RATE OF 240 CFM.

AIR TERMINAL UNIT WITH HOT-WATER REHEAT SCHEDULE

			CFM		STATIC PRESSURE (IN WG)		NC LEVELS		REHEAT COIL DATA										
MARK	FLOOR	INLET SIZE (IN)	MAX	MIN	MIN	INLET	RAD	DIS	CFM	EAT (°F)	LAT (°F)	MAX PD	CAP (MBH)	NO ROWS	GPM	EWT	LWT (°F)	PRESS DROP FT WAT	BASIS OF DESIGN	REMARKS
VAV-2-1	SECOND	12	1170	350	0.44	1	16	13	700	55	94.9	0.39	30.3	3	3.5	120	102.5	0.66	KRUEGER LMHS	1,2
VAV-2-2	SECOND	12	1170	350	0.44	1	16	13	700	55	94.9	0.39	30.3	3	3.5	120	102.5	0.66	KRUEGER LMHS	1,2
VAV-2-3	SECOND	12	1270	385	0.51	1	16	16	760	55	94.8	0.45	32.8	3	4.25	120	104.4	0.92	KRUEGER LMHS	1,2
VAV-2-4	SECOND	09	555	165	0.23	1	-	12	275	55	94.6	0.19	11.8	3	1.25	120	100.9	0.14	KRUEGER LMHS	1,2
VAV-2-5	SECOND	08	500	155	0.36	1	14	17	375	55	94.4	0.31	16	3	2.5	120	107	0.47	KRUEGER LMHS	1,2
VAV-2-6	SECOND	10	780	235	0.39	1	11	13	550	55	94.6	0.34	23.6	3	3.5	120	106.3	0.54	KRUEGER LMHS	1,2
VAV-2-7	SECOND	08	445	135	0.29	1	13	16	315	55	95.6	0.25	13.9	3	2	120	106	0.39	KRUEGER LMHS	1,2
VAV-2-8	SECOND	10	880	260	0.46	1	13	14	590	55	94.9	0.4	25.6	3	4.5	120	108.5	0.87	KRUEGER LMHS	1,2
VAV-2-9	SECOND	09	735	220	0.38	1	13	14	440	55	95.6	0.31	19.4	3	2.5	120	104.3	0.41	KRUEGER LMHS	1,2
VAV-2-10	SECOND	10	895	270	0.5	1	13	14	545	55	94.8	0.43	23.5	3	3.5	120	106.4	0.54	KRUEGER LMHS	1,2
VAV-2-11	SECOND	08	550	165	0.42	1	16	18	365	55	95	0.36	15.8	3	2.5	120	107.2	0.47	KRUEGER LMHS	1,2

NOTES:
1. PROVIDE UNIT WITH INSULATION AND FOIL FACED LINER, CROSS-FLOW AIR SENSOR, AND CONTROL ENCLOSURE.
2. CONTRACTOR RESOPNSIBLE FOR COORDINATING LH/RH CONFIGURATION PRIOR TO ORDERING.

PUMP SCHEDULE

								ELECTRICAL DATA						
MARK	LOCATION	SERVES	TYPE	FLUID TYPE	FLOW GPM	HEAD FT WG	MIN % EFF	RPM	HP	VOLTS	PH	HZ	CONTROL TYPE	BASIS OF DESIGN	REMARKS
P-M-1.1	MECH 02	HOT WATER LOOP	INLINE	WATER	110	45	77	1760	3	460	3	60	UNIT-MOUNTED VFD	TACO SKV2007D-A-4P-PD	1,2
P-M-2.1	MECH 02	HOT WATER LOOP	INLINE	WATER	110	45	77	1760	3	460	3	60	UNIT-MOUNTED VFD	TACO SKV2007D-A-4P-PD	1,2

NOTES:
1. UNIT IS TO BE CONNECTED TO EXISTING BACNET BAS SYSTEM.
2. VFD IS TO HAVE SELFSENSING SERIES WITH PRO BALANCE OR EQUIVALENT.

FAN SCHEDULE

		FAN DATA						ELECTRICAL DATA						
MARK	LOCATION	TYPE	CFM	EXT SP (IN WG)	DRIVE	RPM	SOUND LEVEL	HP	VOLTS	PH	HZ	UNIT WEIGHT (LBS)	FAN CONTROL	BASIS OF DESIGN	REMARKS
TEF-R2	ROOF	DOWNBLAST	450	0.7	DIRECT	1725	8.1	1/4	115	1	60	67	TIMECLOCK	GREENHECK G-098-A	1,2
TEF-R3	ROOF	DOWNBLAST	375	0.7	DIRECT	1725	6.7	1/4	115	1	60	67	TIMECLOCK	GREENHECK G-098-A	1
DBF-3-1	THIRD FLOOR	DRYER BOOSTER FAN	160	0.2	---	2210	---	66 W	120	1	60	9	AUTOMATIC	FANTECH DBF-110	3

NOTES:
1 PROVIDE WITH CURB ADAPTER, BIRD SCREEN, BACKDRAFT DAMPER AND SPEED CONTROLLER
2. BASE BID FAN OPTION TO EXHAUST 375 CFM. FAN MODEL IS NOT TO CHANGE WITH OPTION 2.
3. PROVIDE UNIT WITH SECONDARY LINT TRAP. INSTALL LINT TRAP ON SECOND FLOOR.

MISCELLANEOUS MECHANICAL EQUIPMENT SCHEDULE

MARK	FUNCTION	SERVES	LOCATION	PRIMARY LOOP OPERATING CONDITIONS	SECONDARY LOOP OPERATING CONDITIONS	BASIS OF DESIGN	REMARKS
HS-M-1	HYDRAULIC SEPERATOR	HOT WATER SYSTEM	MECHANICAL 02	76 GPM @ 1 FT WAT PD	110 @ 1 FT WAT PD	SPIROTHERM VDX300FA	---

LICENSED PROFESSIONAL ENGINEER
JEFFREY E KULHANEK
062-072654
8/13/25
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AJP DRAWN
JEK CHECKED
08/13/2025 DATE

TITLE OF SHEET
SCHEDULE - MECHANICAL
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **M501**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **50** OF **66**

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SYMBOL LEGEND

LIGHTING

- LUMINAIRE
- WALL MOUNTED LUMINAIRE
- WALL MOUNTED LUMINAIRE
- RECESSED LUMINAIRE
- SURFACE MOUNTED LUMINAIRE
- PENDANT MOUNTED LUMINAIRE
- STRIP / INDUSTRIAL LUMINAIRE
- WALL MOUNTED STRIP LUMINAIRE
- LUMINAIRE - NIGHT LIGHTING
- LUMINAIRE - EMERGENCY SYSTEM
- WALL WASH LUMINAIRE
- EMERGENCY BATTERY PACK LUMINAIRE
- REMOTE EMERGENCY HEAD
- TRACK LIGHTING
- EXIT LIGHT - WALL MOUNT WITH DIRECTIONAL ARROWS AS INDICATED, FILLED-IN QUARTERS INDICATE ILLUMINATION SIDES
- EXIT LIGHT - CEILING OR PENDANT MOUNT WITH DIRECTIONAL ARROWS AS INDICATED, FILLED-IN QUARTERS INDICATE ILLUMINATION SIDES
- EMERGENCY EXIT LIGHT COMBO
- POLE MOUNTED SITE LUMINAIRE
- CEILING FAN
- PC — PHOTOCELL
- OS — OCCUPANCY SENSOR
- RC — ROOM CONTROLLER
- PP — POWER PACK

WIRING DEVICES - SWITCHES

- S — SINGLE POLE SWITCH
- S_2 — TWO POLE SWITCH
- S_3 — THREE-WAY SWITCH
- S_4 — FOUR-WAY SWITCH
- S_D — DIMMER SWITCH
- S_K — KEY OPERATED SWITCH
- S_P — SINGLE POLE SWITCH WITH PILOT
- S_{TE} — THERMAL ELEMENT SWITCH
- S_T — TIMER SWITCH
- S_{FT} — FUSIBLE SWITCH (FUSETRON)
- S_X — LOW VOLTAGE MOMENTARY CONTACT SWITCH

WIRING DEVICES - RECEPTACLES

- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRUPLEX RECEPTACLE
- EMERGENCY RECEPTACLE
- CONTROLLED RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION NOTED
- PLUG-IN STRIP - LENGTH AND QUANTITY OF OUTLETS AS SHOWN
- POWER POLE
- DROP CORD RECEPTACLE ASSEMBLY

CONDUIT AND BOXES

- J — JUNCTION BOX - CEILING MOUNT
- J — JUNCTION BOX - WALL MOUNT
- FB — FLOOR BOX
- FP — FLOOR POKE-THROUGH DEVICE
- WB — WALL AV BOX
- CONDUIT DOWN
- CONDUIT UP
- INDICATES BUSHED CONDUIT

POWER EQUIPMENT

- SAFETY SWITCH
- COMBINATION STARTER SAFETY SWITCH
- R — RELAY - CONTROL AS NOTED
- M — MOTOR CONNECTION
- PUSHBUTTON STATION
- M — METER SOCKET

PANELS AND CABINETS

- BRANCH CIRCUIT PANEL
- DISTRIBUTION PANEL
- SWITCHBOARD, SWITCHGEAR, MCC
- EQUIPMENT OR TERMINAL CABINET
- T — DRY TYPE TRANSFORMER

FIRE ALARM SYSTEM

- F — MANUAL PULL STATION
- FX — STROBE
- FX — HORN
- FX — HORN STROBE
- FS — SPEAKER
- FS — SPEAKER STROBE
- DH — MAGNETIC DOOR HOLDER
- S — SMOKE DETECTOR
- H — HEAT DETECTOR
- S D — DUCT SMOKE DETECTOR
- FS — FLOW SWITCH
- TS — SPRINKLER TAMPER SWITCH
- PS — POST INDICATING VALVE SWITCH
- REMOTE INDICATOR LIGHT

VOICE AND DATA

- VOICE OUTLET
- DATA OUTLET
- VOICE/DATA OUTLET
- WIRELESS ACCESS POINT

SOUND, TELEVISION, AND SECURITY

- S — SPEAKER
- HORN (PA, PUBLIC ADDRESS)
- IC — INTERCOM SPEAKER STATION
- SVC — VOLUME CONTROL STATION
- M — MICROPHONE JACK
- TV — TELEVISION OUTLET
- CCTV CAMERA
- MS — MOTION SENSOR

NURSE CALL

- N — BEDSIDE STATION
- N_2 — DOUBLE BED BEDSIDE STATION
- N_E — EMERGENCY PULL STATION
- N_S — STAFF STATION
- N_D — DUTY STATION
- N_P — PILLOW SPEAKER
- N — DOME LIGHT
- N_M — MASTER STATION

POWER DISTRIBUTION ONE LINE

- G — EMERGENCY GENERATOR
- FUSE
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- DRAW OUT VACUUM CIRCUIT BREAKER
- PLUG-IN OR DRAWOUT CONNECTOR
- CIRCUIT BREAKER
- THERMAL OVERLOAD RELAY
- K1 — KIRK KEY INTERLOCK
- LIGHTNING SURGE ARRESTOR
- A — AMMETER
- V — VOLTMETER
- TRANSFORMER
- X:Y — CURRENT TRANSFORMER - (RATIO)

SYMBOL NOTES:

"C" INDICATES CEILING MOUNTED
"F" INDICATES FLOOR MOUNTED
"S" INDICATES SURFACE MOUNTED
"G" INDICATES GROUND FAULT INTERRUPTING
"IG" INDICATES ISOLATED GROUND
"AC" INDICATES MOUNTING 6" ABOVE COUNTERTOP OR BACKSPLASH
"WP" INDICATES WEATHERPROOF
"XP" INDICATES EXPLOSION PROOF
"U" INDICATES USB CHARGER
"R" INDICATES EXISTING DEVICE REMOVED AND RELOCATED
LOWER CASE LETTER BY SWITCHES AND FIXTURES INDICATE ASSOCIATED UNIT FOR SWITCHING

ABBREVIATIONS

ACSR	ALUMINUM CONDUCTOR STEEL REINFORCED	MAX	MAXIMUM
		MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MCCB	MOLDED CASE CIRCUIT BREAKER
AIC	AMPS INTERRUPTING CAPACITY (SYM RMS)	MFR	MANUFACTURER
AL	ALUMINUM	MG	MOTOR GENERATOR
ALT	ALTERNATE	MH	MANHOLE
AMP	AMPERE	MIN	MINIMUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MISC	MISCELLANEOUS
APPROX	APPROXIMATE	N	NORTH
AUTO	AUTOMATIC	NC	NORMALLY CLOSED
AVG	AVERAGE	NEC	NATIONAL ELECTRICAL CODE
AWG	GAUGE		
L	ANGLE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BKR	BREAKER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
C OR CL	CENTER LINE		
C OR CND	CONDUIT (ELECTRICAL SHEETS)	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NO	NORMALLY OPEN
CLG	CEILING	NO	NUMBER
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE		
CONF	CONFERENCE	OCPD	OVERCURRENT PROTECTIVE DEVICE
CPT	CONTROL POWER TRANSFORMER	OD	OUTSIDE DIAMETER
CUH	CABINET UNIT HEATER	OH	OVERHEAD
		OPNG	OPENING
DC	DIRECT CURRENT		
DEG	DEGREE	PH	PHASE
DEMO	DEMOLITION	PIV	POST INDICATING VALVE
DIA	DIAMETER	PNL	PANEL
DIM	DIMENSION	PSI	POUNDS PER SQUARE IN.
DISC	DISCONNECT		
DIST	DISTRIBUTION	QTY	QUANTITY
DN	DOWN		
DWG	DRAWING	REC	RECEPTACLE
		REFR	REFRIGERATOR
E	EAST	REINF	REINFORCEMENT
EA	EACH	REQD	REQUIRED
EL OR ELEV	ELEVATION - GRADE OR BUILDING	RFI	RADIO FREQUENCY INTERFERENCE
ELEC	ELECTRIC OR ELECTRICAL	S	SOUTH
ELEV	ELEVATOR	SCHED	SCHEDULE
EMD	ESTIMATED MAXIMUM DEMAND	SCCR	SHORT CIRCUIT CURRENT RATING
EMI	ELECTROMAGNETIC INTERFERENCE	SF	SQUARE FOOT (FEET)
ENCL	ENCLOSURE	SPD	SURGE PROTECTIVE DEVICE
EQUIP	EQUIPMENT	SPDT	SINGLE POLE, DOUBLE THROW
EST	ESTIMATE		
EWC	ELECTRIC WATER COOLER	SPEC	SPECIFICATIONS
EXIST	EXISTING	SPKR	SPEAKER
EXP	EXPOSED	SQ	SQUARE
EXT	EXTERIOR	STD	STANDARD
		STL	STEEL
FA	FIRE ALARM	SW	SWITCH
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SWBD	SWITCH BOARD
		SYM	SYMMETRICAL
FACP	FIRE ALARM CONTROL PANEL		
		TEL	TELEPHONE
FAEP	FIRE ALARM EXTENDER PANEL	TEMP	TEMPERATURE
		TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FLA	FULL LOAD AMPS	TYP	TYPICAL
FLEX	FLEXIBLE		
FLUOR	FLUORESCENT	UG	UNDERGROUND
		UH	UNIT HEATER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UL	UNDERWRITERS LABORATORIES
GFI	GROUND FAULT CIRCUIT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SYSTEM
HP	HORSE POWER	VFD	VARIABLE FREQUENCY DRIVE
HR	HOUR	VFC	VARIABLE FREQUENCY CONTROLLER
HTG	HEATING		
HTR	HEATER	W	WEST
HZ	HERTZ	W/	WITH
		W/O	WITHOUT
ID	INSIDE DIAMETER	WHM	WATTHOUR METER
IES	ILLUMINATING ENGINEERING SOCIETY	WT	WEIGHT
IN	INCH		
INSUL	INSULATION	XFMR	TRANSFORMER
INT	INTERIOR		
KCMIL KCM	KILO CIRCULAR MIL		
KV	KILOVOLTS		
KVA	KILOVOLT AMPERES		
KVAR	KILOVOLT AMPERES REACTIVE		
KW	KILOWATT		
LBS	POUNDS		
LRA	LOCKED ROTOR AMPS		
LTG	LIGHTING		

REFERENCE LEGEND

ROOM NUMBER
ROOM NAME — ROOM NAME DESIGNATION
101 — ROOM NUMBER DESIGNATION
150 SF — ROOM AREA DESIGNATION

EQUIPMENT NUMBER
XXXX — EQUIPMENT NUMBER

REFERENCE DEMOLITION NOTE
DX — DEMOLITION DESIGNATION

REFERENCE NOTE
X — REFERENCE DESIGNATION

PLAN DETAIL
X — DETAIL NUMBER
XX-XX — SHEET NUMBER

SECTION/ DETAIL
X — SECTION/DETAIL NUMBER
XX-XX — SHEET NUMBER
SIM
INDICATES DIRECTION OF VIEW

NEW COLUMN
X — LETTER INDICATES NEW COLUMN LINE

EXISTING COLUMN
X — LETTER INDICATES EXISTING COLUMN LINE

MATCHLINE
AREA A
AREA B

LEVEL
NAME
ELEVATION
LEVEL CALLOUT DESIGNATION
ELEVATION DESIGNATION

TITLE MARKER
GRAPHIC AREA FOR DRAWING
1 — DETAIL NUMBER
VIEW NAME — TITLE
SCALE: 1/8" = 1'-0" — SCALE OF THE DRAWING

NORTH ARROW
NORTH
PLAN NORTH
TRUE NORTH

ELECTRICAL SHEET LIST

E 00	ELECTRICAL INFO SHEET
E 01	ELECTRICAL INFO SHEET
E001	SECOND FLOOR PLAN - DEMOLITION
E002	THIRD FLOOR PLAN - DEMOLITION - OPTION 6
E101	SECOND FLOOR PLAN - LIGHTING
E102	SECOND FLOOR PLAN - LIGHTING - OPTIONS 2 & 4
E103	THIRD FLOOR PLAN - LIGHTING - OPTION 6
E201	FIRST FLOOR PLAN - POWER & AUXILIARY SYSTEMS
E202	SECOND FLOOR PLAN - POWER & AUX. SYS. - OPTIONS 2 & 4
E203	THIRD FLOOR PLAN - POWER & AUXILIARY SYSTEMS - OPTION 6
E401	ELECTRICAL DETAILS
E402	ELECTRICAL DETAILS
E501	POWER RISER DIAGRAM
E601	LUMINAIRE & EQUIPMENT SCHEDULES
E701	ELECTRICAL PANEL SCHEDULES
E702	ELECTRICAL PANEL SCHEDULES

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062-069044
OF ILLINOIS
08/22/2025
LICENSE EXP. 11/30/2025

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DATE	INITIAL

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KJS/JEF — DESIGNED
KJS/JEF — DRAWN
JEF/JCB — CHECKED
08/13/2025 — DATE

TITLE OF SHEET
ELECTRICAL INFO SHEET
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E 00**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **51** OF **66**

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GENERAL DEMO NOTES

A. SEE ARCHITECTURAL SHEETS FOR EXACT AREAS AND WALLS AFFECTED BY THE DEMOLITION AND REMODEL.

B. ITEMS WHICH ARE INTENDED TO BE REMOVED, RELOCATED, OR SALVAGED ARE SHOWN AS FULL-TONE LINES ON DEMO PLANS. ALL OTHER ITEMS ARE INTENDED TO REMAIN IN PLACE AND ARE SHOWN AS HALF-TONE.

C. DEMOLITION SHOWN IS AS REQUIRED FOR THE COMPLETE PROJECT. COORDINATE DEMOLITION WITH THE WORK OF OTHER TRADES. PROVIDE TEMPORARY POWER AND LIGHTS AS REQUIRED TO ALLOW THE WORK OF OTHER TRADES TO PROCEED OR AS REQUIRED TO ALLOW THE GOVERNMENT TO OCCUPY THE SPACE.

D. ALL OF THE EQUIPMENT AND DEVICES SHOWN ON THIS DRAWING ARE EXISTING. THE LOCATIONS OF THE EQUIPMENT AND DEVICES WERE OBTAINED FROM EXISTING DRAWING AND FIELD INVESTIGATION. THE LOCATIONS OF THE EXISTING EQUIPMENT AND DEVICES ARE SHOWN FOR CONVENIENCE. ACCURACY OF THE INFORMATION SHOWN IS NOT GUARANTEED. VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. SITE VISITS PRIOR TO SUBMISSION OF BIDS NEED TO BE FULLY COORDINATED WITH THE COR.

E. CIRCUIT INFORMATION FOR ALL AFFECTED CIRCUITS SHALL BE VERIFIED PRIOR TO COMMENCING WORK. ACCURACY OF THE INFORMATION SHOWN AND INCLUDED ON THE PANEL SCHEDULES IS NOT GUARANTEED.

F. ALL LUMINAIRES, DEVICES, ASSOCIATED WIRING AND CONDUIT (NOT SHOWN) IN AREAS OF DEMOLITION SHALL BE REMOVED UNLESS OTHERWISE NOTED. DISCONNECT ALL CIRCUITS AT PANELBOARD, DISCONNECT CONDUIT AT FIRST JOINT DOWN STREAM OF PANEL BOARD AND REMOVE ALL COMPONENTS DOWN STREAM. FIELD VERIFY DEMOLITION REQUIREMENTS AS NECESSARY TO DEVELOP BID.

G. THE GOVERNMENT HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE GOVERNMENT CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

H. LABEL ALL SPARE OR ABANDONED CIRCUITS AND/OR CIRCUIT BREAKERS IN ALL PANELS AFFECTED BY THE DEMOLITION. SPARE CIRCUITS AND/OR CIRCUIT BREAKERS MAY BE REUSED FOR THE CIRCUITING OF THE NEW OR REMODELED AREA AS SPACE AND PANEL LOADING WILL ALLOW.

I. PROVIDE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO DEMOLITION WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE AND SEAL ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.

J. FIRE ALARM DEVICES SHALL BE REMOVED, REPLACED AND CONNECTED TO NEW FIRE ALARM SYSTEM AS SPECIFIED. DUCT SMOKE DETECTORS AND FIRE SMOKE DAMPERS SHALL BE REMOVED ONLY WHEN THE ASSOCIATED MECHANICAL EQUIPMENT IS BEING REMOVED.

K. EXISTING FIRE ALARM DEVICES, EMERGENCY LIGHTS AND EXIT SIGNS SHALL BE COMPLETE AND OPERABLE AT ALL TIMES. PROVIDE TEMPORARY DEVICES IN AREAS BEING WORKED ON TO ALLOW FOR A WORKABLE SYSTEM DURING CONSTRUCTION.

L. PROVIDE MINIMUM [2] DAYS ADVANCE NOTICE OF OUTAGES. COORDINATE WITH COR FOR ALL ANTICIPATED OUTAGES. COR HAS FINAL APPROVAL ON TIME AND EXTENT OF POWER OUTAGE.

M. PROTECT EXISTING FURNITURE, CARPET, EQUIPMENT, AND OTHER APPURTENANCES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION. REPLACE DAMAGED ITEMS FREE OF COST TO THE GOVERNMENT.

REF. DEMO NOTES (DX)

PROJECT ELECTRICAL REFERENCED DEMOLITION NOTES

D1 UNDER BASE BID ON THE SECOND FLOOR, EXISTING WALL MOUNTED FLOOD LIGHTS AND EXISTING LIGHT SWITCHES SHALL BE REMOVED INCLUDING CONDUCTORS AND CONDUITS.

D2 UNDER BASE BID ELECTRIC POWER AND CONTROLS TO EXISTING UNIT HEATERS TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS BACK TO PANELBOARD. TYPICAL ALL UNITS ON THIS FLOOR.

D3 ONLY UNDER OPTION NO. 6, ON THE THIRD FLOOR, EXISTING WALL MOUNTED FLOOD LIGHTS AND EXISTING LIGHT SWITCHES SHALL BE REMOVED INCLUDING CONDUCTORS AND CONDUITS.

D4 UNDER BASE BID ALL LIGHTING INSIDE STAIRWELLS SHALL BE REPLACED ON ALL FLOORS, (ALL LUMINAIRES ON ALL FLOORS NOT SHOWN). REMOVE ALL STAIRWELL LIGHTING FOR REPLACEMENT.

GENERAL NOTES

A. DRAWINGS DO NOT SHOW TOTAL NUMBER OF CONDUCTORS FOR CIRCUITS REQUIRED. PROVIDE THE NUMBER OF CONDUCTORS NEEDED TO COMPLETE INSTALLATION OF SPECIFIC EQUIPMENT FURNISHED. A GREEN GROUND CONDUCTOR, SIZED PER NEC, SHALL ALSO BE INCLUDED IN EACH CIRCUIT. ADJUST CONDUCTOR SIZES AS NEEDED TO LIMIT VOLTAGE DROP TO LEVELS RECOMMENDED BY NEC. COORDINATE INSPECTIONS WITH THE COR.

B. SEE ARCHITECTURAL SHEETS FOR REFLECTED CEILING PLANS.

C. ALL CIRCUITS SHALL HAVE SEPARATE NEUTRAL WIRES BUT CAN SHARE AN INSULATED GREEN GROUND WIRE IN MINIMUM 3/4" EMT CONDUIT.

D. NO BOXES SHALL BE MOUNTED BACK TO BACK.

E. SEAL ALL PENETRATIONS THROUGH FIRE OR FIRE/SMOKE RATED WALLS AND FLOORS.

F. ALL RACEWAYS SHALL BE SEALED AS REQUIRED BY AND IN ACCORDANCE WITH NEC PARAGRAPHS 230.8, 300.5(G) AND 300.7(A). ALL RACEWAYS SHALL BE SEALED AS REQUIRED BY NEC AND NFPA.

G. CABLE AND CONDUIT SHALL NOT INTERFERE WITH EQUIPMENT ACCESS.

H. ALL CABLING ABOVE CEILING SHALL BE PROPERLY SUPPORTED (NOT FROM CEILING SYSTEM).

I. COORDINATE FINAL PANEL DIRECTORIES WITH COR.

GEN. LIGHTING NOTES

A. COORDINATE LOCATION OF SWITCH HEIGHTS WITH CASEWORK, FURNITURE AND EQUIPMENT LAYOUTS PRIOR TO ROUGH-IN. SEE ARCHITECTURAL CASEWORK ELEVATIONS FOR CABINET HEIGHTS AND LAYOUTS.

B. ALL OCCUPANCY SENSORS AND OCCUPANCY SENSOR SWITCHES SHALL BE DUAL TECHNOLOGY (INFRARED AND ULTRASONIC). OCCUPANCY SENSORS DO NOT SHOW RELAYS AND TOTAL WIRING REQUIRED FOR PROPER OPERATION. PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

C. EMERGENCY, EXIT, AND NIGHT LIGHTS IN PATHS OF EGRESS SHALL BE CONNECTED TO AN UNSWITCHED HOT LEG OF CIRCUIT SHOWN UNLESS NOTED OTHERWISE.

D. ALL LUMINAIRES SHALL BE CONTROLLED PER LUMINAIRE CONTROL SEQUENCE OF OPERATIONS REFERENCED NOTES LOCATED ON LIGHTING PLANS. AREA CONTROL TYPES INDENTIFIED BY REFERENCED NOTES ON PLANS WITHIN SPACE/ROOM. LUMINAIRES WITHIN AREA SHALL OPERATE AS DESCRIBED IN REFERNCE NOTE(S). ON/OFF AND DIMMING CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH ROOM PUSHBUTTON CONTROLS, OCCUPANCY SENSORS, AND PHOTOCELLS SHOWN ON PLANS. ALL LUMINAIRE CONTROL SYSTEMS SHALL BE IN COMPLIANCE WITH 2024 IECC. COORDINATE WITH COR ON SET DIMMING LEVELS, DESIRED SCENE CONTROL, AND FINAL TIMECLOCK PROGRAMMING.

E. LIGHTING CONTROL FOR ALL AREAS WITH OCCUPANCY SENSOR DEVICES SHOWN SHALL BE PROGRAMMED AS MANUAL-ON / AUTOMATIC-OFF UNLESS NOTED OTHERWISE. AUTOMATIC-ON / AUTOMATIC-OFF PERMITTED IN CORRIDORS, STAIRWAYS, RESTROOMS, LOCKER ROOMS, LOBBIES, LIBRARY STACKS, AND AREAS WHERE MANUAL OPERATION WOULD ENDANGER OCCUPANT SAFETY OR SECURITY AS DICTATED BY COR.

F. THE LIGHTING SUBMITTALS SHALL BE PREPARED AND SUBMITTED BY AN AUTHORIZED FACTORY REPRESENTATIVE OR THE SUBMITTALS WILL BE REJECTED.

GEN. POWER & AUX SYSTEMS NOTES

A. ALL DEVICES SHOWN SHALL BE MOUNTED AT 18" A.F.F. UNLESS INDICATED OTHERWISE.

B. EACH LOW VOLTAGE CABLE SHALL HAVE INDIVIDUAL RUN BACK TO TERMINATION POINT IN (DATA ROOM). TERMINATE DATA/COMM CABLES AT BOTH ENDS AND CONNECT TO NEW PATCH PANEL. DATA/COMM CABLING SHALL BE (1) CAT 6 TO EACH DEVICE. PROVIDE DATA CERTIFICATION TESTING AND SUBMIT TEST RESULTS.

C. ALL PHONE/DATA JACKS SHOWN SHALL BE PROVIDED WITH STUB UP 1" CONDUITS TO ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHINGS. PHONE/DATA DEVICES, FACEPLATES, CABLES, INSTALLATION, AND TERMINATION TO BE PROVIDED UNDER THIS SCOPE OF WORK. ALL BOXES SHALL HAVE BOX SUPPORTS.

D. ALL AUXILIARY CABLE ABOVE CEILING SHALL BE PLENUM RATED WHERE REQUIRED.

E. CEILING MOUNTED DEVICES SHALL BE CENTERED IN CEILING TILE WHERE INSTALLED IN ACOUSTICAL TILE CEILING.

F. PROVIDE 120 VOLT POWER CIRCUIT(S) FOR AUXILIARY SYSTEMS AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEMS.

G. PROVIDE NEW FIRE ALARM DEVICES AT LOCATIONS SHOWN, AND CONNECT TO EXISTING FIRE ALARM SYSTEM. ALL NEW FIRE ALARM DEVICES MUST BE UL LISTED AND LABELED FOR USE WITH THE EXISTING FIRE ALARM PANEL AND APPROVED BY THE FIRE ALARM PANEL MANUFACTURER. COORDINATE DEVICE MODEL AND INSTALLATION WITH EXISTING CONDITIONS. VERIFY FIRE ALARM HORN/STROBE SPACING REQUIREMENTS WITH MANUFACTURER AND NFPA REQUIREMENTS, AND ADD ADDITIONAL HORN/STROBE UNITS AS NEEDED.

REF. NOTES (X)

PROJECT ELECTRICAL REFERENCED NOTES

1 ALL LIGHTING INSIDE STAIRWELLS SHALL BE REPLACED ON ALL FLOORS, (ALL LUMINAIRES ON ALL FLOORS NOT SHOWN). S1 LUMINAIRES IN STAIRWELLS SHALL BE PENDANT-MOUNTED ABOVE STAIR LANDING AT +10' AFF OF LANDING TO BOTTOM OF LUMINAIRE. WITHIN EACH VERTICAL STAIRWELL, ALL STAIRWELL LUMINAIRES SHALL BE CIRCUITED TOGETHER TO CIRCUIT INDICATED ON SHEET E102.

2 S1 LUMINAIRES IN STAIRWELL SHALL BE CONTROLLED BY NLIGHT ECLYPSE TIMECLOCK CONTROLLER LOCATED ON FIRST FLOOR. PROVIDE CONDUIT FROM STAIRWELL LOCATION TO TIMECLOCK FOR LOW-VOLTAGE CAT5E CONNECTION.
TIMECLOCK PROGRAMMING:
LUMINAIRES SHALL OPERATE CONTINUOUSLY BASED ON A TIME SCHEDULE OF NOT EARLIER THAN 1 HOUR PRIOR TO BUSINESS OPEN UNTIL NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSE. OUTSIDE OF BUSINESS OPERATING HOURS, LIGHTING SHALL REVERT TO OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR CONTROL SHALL BE AUTO-ON / AUTO-OFF, AND SHALL AUTOMATICALLY TURN OFF LIGHTING AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES. MANUAL WALL CONTROLS, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NO LONGER THAN 2 HOURS.
COORDINATE WITH COR ON TIMECLOCK SCHEDULE FOR FINAL TIMECLOCK PROGRAMMING.

3 LUMINAIRES SHALL BE FURNISHED WITH INTEGRAL LIGHTING CONTROL INTERFACE WITH CAT5E CONNECTIVITY, AND INTEGRAL OCCUPANCY & PHOTOCELL SENSORS. INTEGRAL LIGHTING CONTROL INTERFACE AND SENSORS SHALL BE COMPATIBLE WITH THE EXISTING NLIGHT ECLYPSE TIMECLOCK CONTROL SYSTEM LOCATED ON THE FIRST FLOOR.
INTEGRAL SENSOR PROGRAMMING:
INTEGRAL OCCUPANCY SENSOR CONTROLS SHALL BE PROGRAMMED SO, WHEN IN OCCUPANCY MODE, ALL LUMINAIRES IN THE SAME STAIRWELL OPERATE IN A GROUP RESPONSE TO AN INDIVIDUAL OCCUPANCY SENSOR DETECTING OCCUPANCY.
INTEGRAL PHOTOCELL SHALL CONTROL THE INDIVIDUAL LUMINAIRE ONLY, AND SHALL CONTINUOUSLY DIM LUMINAIRE FROM FULL LIGHT OUTPUT TO 15 PERCENT OF FULL POWER OR LOWER, BASED ON THE AMOUNT OF AVAILABLE DAYLIGHT, DURING DAYTIME HOURS.
SEE LUMINAIRE SCHEDULE FOR ADDITIONAL INTEGRAL SENSOR INFO.

4 LUMINAIRES IN INDICATED CORRIDORS SHALL BE CONTROLLED BY NLIGHT ECLYPSE TIMECLOCK CONTROLLER LOCATED ON FIRST FLOOR. PROVIDE CONDUIT FROM CORRIDOR LOCATION TO TIMECLOCK FOR LOW-VOLTAGE CAT5E CONNECTION.
TIMECLOCK PROGRAMMING:
LUMINAIRES SHALL OPERATE CONTINUOUSLY BASED ON A TIME SCHEDULE OF NOT EARLIER THAN 1 HOUR PRIOR TO BUSINESS OPEN UNTIL NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSE. OUTSIDE OF BUSINESS OPERATING HOURS, LIGHTING SHALL REVERT TO OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR CONTROL SHALL BE AUTO-ON / AUTO-OFF, AND SHALL AUTOMATICALLY TURN OFF LIGHTING AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES. MANUAL WALL CONTROLS, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NO LONGER THAN 2 HOURS.
COORDINATE WITH COR ON TIMECLOCK SCHEDULE FOR FINAL TIMECLOCK PROGRAMMING.

5 ALL LUMINAIRES SHOWN ON THIS PLAN SHALL BE CIRCUITED TO PANELBOARD AND CIRCUIT NUMBER INDICATED, UNLESS NOTED OTHERWISE.

6 PENDANT MOUNT AT +13' AFF TO BOTTOM OF LUMINAIRE.

7 PENDANT MOUNT AT +12'-6" AFF TO BOTTOM OF LUMINAIRE.

8 PENDANT MOUNT AT +9'-6" AFF TO BOTTOM OF LUMINAIRE.

9 PENDANT MOUNT AT +11' AFF TO BOTTOM OF LUMINAIRE.

10 PENDANT MOUNT AT +11'-6" AFF TO BOTTOM OF LUMINAIRE.

11 PENDANT MOUNT AT +7' AFF TO BOTTOM OF LUMINAIRE. COORDINATE FINAL MOUNTING HEIGHT WITH COR PRIOR TO INSTALLATION.

20 JUNCTION BOX FOR POWER CONNECTION TO MOTORIZED SCREEN. CONTROL WIRING FOR RAISE/LOWER CONTROL IS REQUIRED BUT IS NOT SHOWN.

21 CEILING MOUNTED BOX FOR A/V CONNECTION TO PROJECTOR

22 CEILING MOUNTED RECEPTACLE FOR PROJECTOR

23 MOTORIZED SHADE CONTROL PANEL.

24 ALL RECEPTACLES, DATA OUTLETS, AND OTHER LOW VOLTAGE EQUIPMENT MOUNTED ON EXISTING BRICK WALLS TO BE SURFACE MOUNTED. PAINT ALL CONDUITS AND BOXES TO CLOSELY MATCH BRICK COLOR.

25 PROVIDE J-BOX WITH 120V FOR POWER CONNECTION TO FIRE SMOKE DAMPERS. COORDINATE WITH MECHANICAL FOR FINAL LOCATIONS.

40 ALL DATA OUTLETS AND WIRELESS ACCESS POINTS TO HAVE NETWORK CABLES INSTALLED, ROUTED TO DATA RACK ON THE FIRST FLOOR, TERMINATED, AND TESTED PER GENERAL NOTES ON E 00.

41 ALL DATA OUTLETS WITHIN OPEN COLLAB RM 210, PARTNER EXEC OFFICE 209, AND PARTNER OFFICE 211 TO HAVE NETWORK CABLES ROUTED TO A SEPARATE NETWORK SWITCH ON THE FIRST FLOOR. TERMINATE AND TEST PER GENERAL NOTES ON E 00.

42 LEASE AREA RM 311 AND LEASE AREA RM 315 TO EACH HAVE INDIVIDUAL 2" SLEEVES THROUGH FLOORS AND WALLS TO ALLOW FOR FUTURE INSTALLATION OF DATA NETWORK CABLES FROM THE SPACES INTO THE FIRST FLOOR DATA CLOSET. PROVIDE TEMPORARY SEALS TO MAINTAIN FIRE AND SMOKE BARRIER INTEGRITY.

43 OPTION 1 - REPLACE EXISTING ACCESS CONTROL PANEL WITH CONTROL SYSTEM WITH LENELS2 MODEL 2220 OR APPROVED EQUAL. ACCESS USING NPS PIV CARDS AND PROXIMITY CARDS THAT CAN BE PROGRAMMED BY NPS STAFF FOR VISITORS.

44 OPTION 1 - REPLACE ALL CARD ACCESS READERS WITH NEW CARD READERS COMPATIBLE WITH THE NEW ACCESS CONTROL PANEL. INSTALL ALL NEW WIRING BETWEEN ACCESS CARD READERS AND NEW ACCESS CONTROL PANEL. PROVIDE FULL COMMISSIONING INCLUDING FUNCTIONAL TESTING FOR A COMPLETE AND OPERABLE SYSTEM.

45 CARD READER TO ALLOW ACCESS TO THIRD FLOOR.

46 REPOSITION CAMERA FOR IMPROVED VIEW. COORDINATE WITH COR.

47 NEW CAMERA TO PROVIDE VIEW OF PEOPLE ENTERING AND EXITING ELEVATOR AND STAIRWAY. COORDINATE WITH COR.

48 ALL CARD READERS AND CAMERAS ON THE THIRD FLOOR ARE PART OF BASE BID.

49 MOUNT NEW CARD READER IN THIS LOCATION IF FEASIBLE. IF NOT FEASIBLE THEN MOUNT ON WALL TO THE RIGHT.

50 EXISTING CAMERA TO BE ABANDONED IN PLACE.

LICENSED PROFESSIONAL ENGINEER
JONATHAN FANT
062-069044
OF ILLINOIS
11/15/2025
LICENSE EXP. 11/30/2025

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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KJS/JEF DESIGNED
KJS/JEF DRAWN
JEF/JCB CHECKED
08/13/2025 DATE

TITLE OF SHEET
ELECTRICAL INFO SHEET
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E 01**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **52** OF **66**

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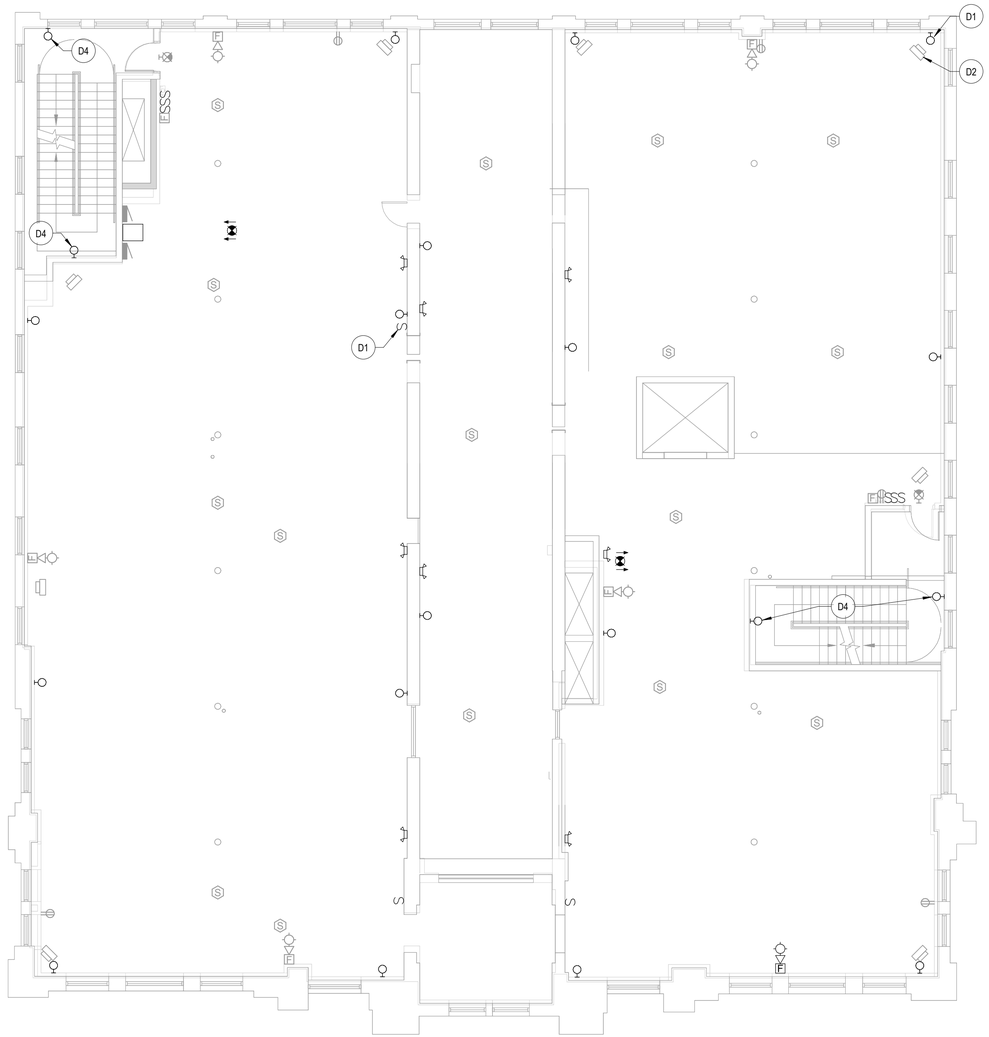
REF. DEMO NOTES (DX):

D1 UNDER BASE BID ON THE SECOND FLOOR, EXISTING WALL MOUNTED FLOOD LIGHTS AND EXISTING LIGHT SWITCHES SHALL BE REMOVED INCLUDING CONDUCTORS AND CONDUITS.

D2 UNDER BASE BID ELECTRIC POWER AND CONTROLS TO EXISTING UNIT HEATERS TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS BACK TO PANELBOARD. TYPICAL ALL UNITS ON THIS FLOOR.

D4 UNDER BASE BID ALL LIGHTING INSIDE STAIRWELLS SHALL BE REPLACED ON ALL FLOORS, (ALL LUMINAIRES ON ALL FLOORS NOT SHOWN). REMOVE ALL STAIRWELL LIGHTING FOR REPLACEMENT.



1 SECOND FLOOR PLAN - ELECTRICAL DEMOLITION
SCALE: 1/8" = 1'-0"

NORTH

JONATHAN FANT 062-069044 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
08/22/2025
LICENSE EXP. 11/30/2025

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08/13/2025 DATE

TITLE OF SHEET
SECOND FLOOR PLAN - DEMOLITION
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E001**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **53** OF **66**

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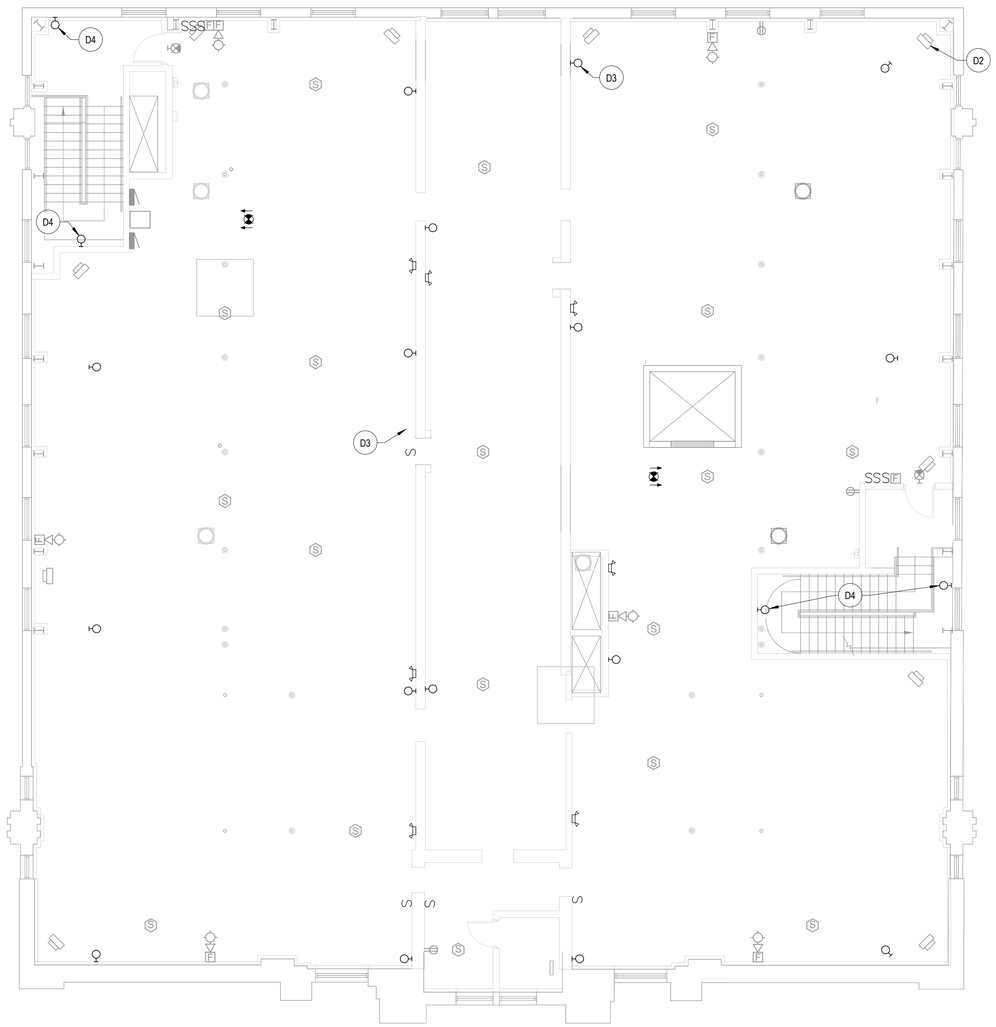

1 THIRD FLOOR PLAN - ELECTRICAL DEMOLITION - OPTION 6
SCALE: 1/8" = 1'-0"

REF. DEMO NOTES (DX):

D2 UNDER BASE BID ELECTRIC POWER AND CONTROLS TO EXISTING UNIT HEATERS TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS BACK TO PANELBOARD. TYPICAL ALL UNITS ON THIS FLOOR.

D3 ONLY UNDER OPTION NO. 6, ON THE THIRD FLOOR, EXISTING WALL MOUNTED FLOOD LIGHTS AND EXISTING LIGHT SWITCHES SHALL BE REMOVED INCLUDING CONDUCTORS AND CONDUITS.

D4 UNDER BASE BID ALL LIGHTING INSIDE STAIRWELLS SHALL BE REPLACED ON ALL FLOORS, (ALL LUMINAIRES ON ALL FLOORS NOT SHOWN). REMOVE ALL STAIRWELL LIGHTING FOR REPLACEMENT.

NORTH

LICENSED PROFESSIONAL ENGINEER
JONATHAN FANT
062-069044
OF ILLINOIS
08/22/2025
LICENSE EXP. 11/30/2025

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08/13/2025 DATE

TITLE OF SHEET
THIRD FLOOR PLAN - DEMOLITION - OPTION 6
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

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SUB SHEET NO. **E002**
DRAWING NO. 590 80000
PMIS / PKG. NO. **307087**
SHEET **54** OF **66**

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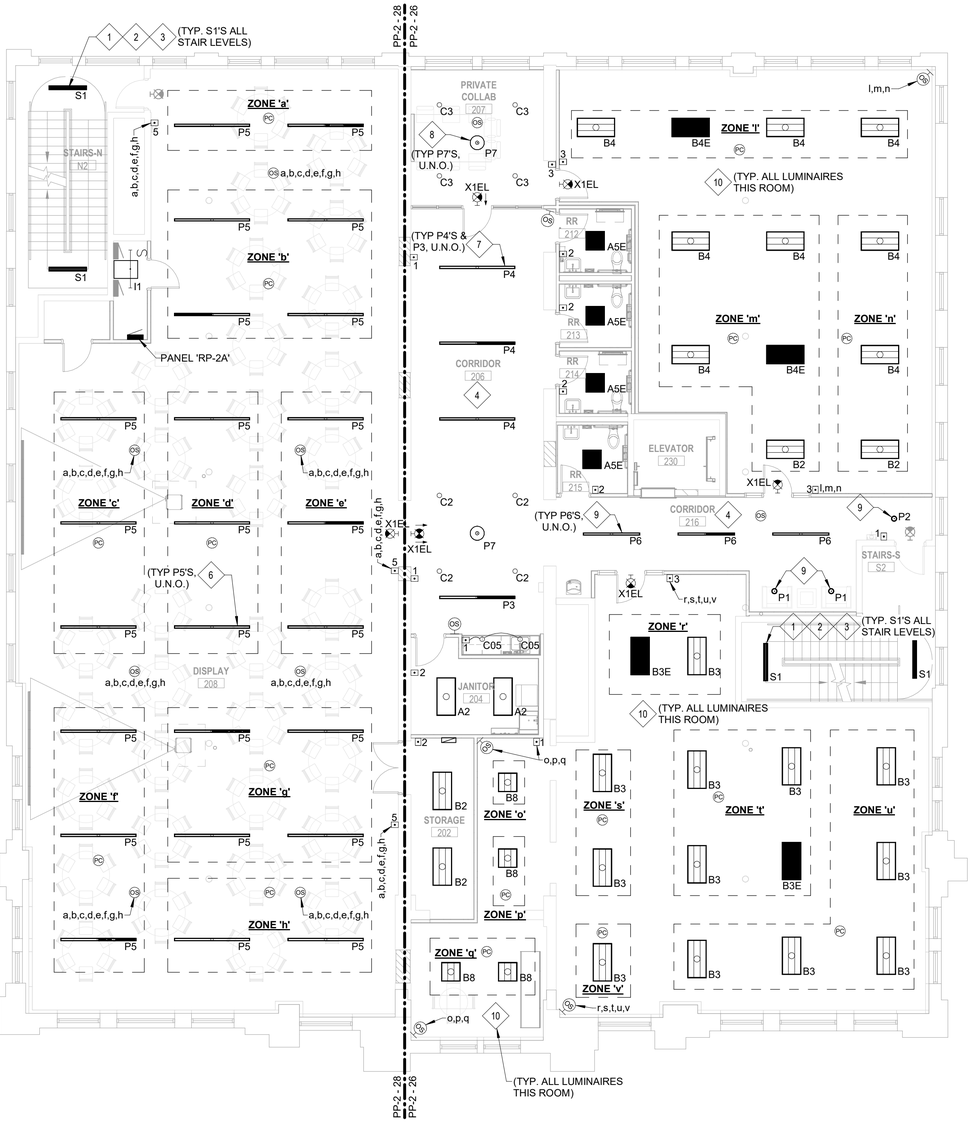

1 SECOND FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

ALL LUMINAIRES SHOWN SHALL BE CIRCUITED AS OUTLINED IN THIS NOTE, UNLESS INDICATED OTHERWISE. PANELBOARD CIRCUITING IS DELINEATED WITH A DASH-DOT LINE BOUNDARY, WITH PANELBOARD NAMES AND CIRCUIT NUMBERS IDENTIFIED AT BOUNDARY LINE. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
CIRCUITING AND LOW-VOLTAGE WIRING BETWEEN LUMINAIRES, OCCUPANCY SENSORS, PUSH BUTTON STATIONS, SWITCHES, POWER PACKS, ETC. OMITTED WHERE CONTROL SCHEME IS APPARENT OR DETAILED. CONTROL SHALL BE BY OCCUPANCY SENSOR / CONTROL DEVICE(S) IN SAME REGION / ZONE AS ASSOCIATED LUMINAIRES AND SHALL NOT TRANSCEND REGION / ZONE UNLESS NOTED OTHERWISE. (A REGION / ZONE IS A SPACE BOUND BY FLOORS, WALLS, AND CEILINGS. REGION / ZONE MAY BE FURTHER IDENTIFIED BY A DASHED LINE BOUNDARY, OR WITH A LOWERCASE LETTER FOR CLARITY).

PANELBOARD CIRCUITING

REGION / ZONE

REF. NOTES (X):

1 ALL LIGHTING INSIDE STAIRWELLS SHALL BE REPLACED ON ALL FLOORS, (ALL LUMINAIRES ON ALL FLOORS NOT SHOWN). S1 LUMINAIRES IN STAIRWELLS SHALL BE PENDANT-MOUNTED ABOVE STAIR LANDING AT +10' AFF OF LANDING TO BOTTOM OF LUMINAIRE. WITHIN EACH VERTICAL STAIRWELL, ALL STAIRWELL LUMINAIRES SHALL BE CIRCUITED TOGETHER TO CIRCUIT INDICATED ON SHEET E102.

2 S1 LUMINAIRES IN STAIRWELL SHALL BE CONTROLLED BY NLIGHT ECLYPSE TIMECLOCK CONTROLLER LOCATED ON FIRST FLOOR. PROVIDE CONDUIT FROM STAIRWELL LOCATION TO TIMECLOCK FOR LOW-VOLTAGE CAT5E CONNECTION.
TIMECLOCK PROGRAMMING:
LUMINAIRES SHALL OPERATE CONTINUOUSLY BASED ON A TIME SCHEDULE OF NOT EARLIER THAN 1 HOUR PRIOR TO BUSINESS OPEN UNTIL NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSE. OUTSIDE OF BUSINESS OPERATING HOURS, LIGHTING SHALL REVERT TO OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR CONTROL SHALL BE AUTO-ON / AUTO-OFF, AND SHALL AUTOMATICALLY TURN OFF LIGHTING AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES. MANUAL WALL CONTROLS, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NO LONGER THAN 2 HOURS.
COORDINATE WITH COR ON TIMECLOCK SCHEDULE FOR FINAL TIMECLOCK PROGRAMMING.

3 LUMINAIRES SHALL BE FURNISHED WITH INTEGRAL LIGHTING CONTROL INTERFACE WITH CAT5E CONNECTIVITY, AND INTEGRAL OCCUPANCY & PHOTOCELL SENSORS. INTEGRAL LIGHTING CONTROL INTERFACE AND SENSORS SHALL BE COMPATIBLE WITH THE EXISTING NLIGHT ECLYPSE TIMECLOCK CONTROL SYSTEM LOCATED ON THE FIRST FLOOR.
INTEGRAL SENSOR PROGRAMMING:
INTEGRAL OCCUPANCY SENSOR CONTROLS SHALL BE PROGRAMMED SO, WHEN IN OCCUPANCY MODE, ALL LUMINAIRES IN THE SAME STAIRWELL OPERATE IN A GROUP RESPONSE TO AN INDIVIDUAL OCCUPANCY SENSOR DETECTING OCCUPANCY.
INTEGRAL PHOTOCELL SHALL CONTROL THE INDIVIDUAL LUMINAIRE ONLY, AND SHALL CONTINUOUSLY DIM LUMINAIRE FROM FULL LIGHT OUTPUT TO 15 PERCENT OF FULL POWER OR LOWER, BASED ON THE AMOUNT OF AVAILABLE DAYLIGHT, DURING DAYTIME HOURS.
SEE LUMINAIRE SCHEDULE FOR ADDITIONAL INTEGRAL SENSOR INFO.

4 LUMINAIRES IN INDICATED CORRIDORS SHALL BE CONTROLLED BY NLIGHT ECLYPSE TIMECLOCK CONTROLLER LOCATED ON FIRST FLOOR. PROVIDE CONDUIT FROM CORRIDOR LOCATION TO TIMECLOCK FOR LOW-VOLTAGE CAT5E CONNECTION.
TIMECLOCK PROGRAMMING:
LUMINAIRES SHALL OPERATE CONTINUOUSLY BASED ON A TIME SCHEDULE OF NOT EARLIER THAN 1 HOUR PRIOR TO BUSINESS OPEN UNTIL NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSE. OUTSIDE OF BUSINESS OPERATING HOURS, LIGHTING SHALL REVERT TO OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR CONTROL SHALL BE AUTO-ON / AUTO-OFF, AND SHALL AUTOMATICALLY TURN OFF LIGHTING AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES. MANUAL WALL CONTROLS, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NO LONGER THAN 2 HOURS.
COORDINATE WITH COR ON TIMECLOCK SCHEDULE FOR FINAL TIMECLOCK PROGRAMMING.

6 PENDANT MOUNT AT +13' AFF TO BOTTOM OF LUMINAIRE.

7 PENDANT MOUNT AT +12'-6" AFF TO BOTTOM OF LUMINAIRE.

8 PENDANT MOUNT AT +9'-6" AFF TO BOTTOM OF LUMINAIRE.

9 PENDANT MOUNT AT +11' AFF TO BOTTOM OF LUMINAIRE.

10 PENDANT MOUNT AT +11'-6" AFF TO BOTTOM OF LUMINAIRE.

NORTH

LICENSED PROFESSIONAL ENGINEER
JONATHAN FANT
062-069044
OF ILLINOIS
08/22/2025
LICENSE EXP. 11/30/2025

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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KJS/JEF DRAWN
JEF/JCB CHECKED
08/13/2025 DATE

TITLE OF SHEET
SECOND FLOOR PLAN - LIGHTING
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E101**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **55** OF **66**

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1 SECOND FLOOR PLAN - LIGHTING - OPTIONS 2 & 4
SCALE: 1/8" = 1'-0"

ALL LUMINAIRES SHOWN SHALL BE CIRCUITED AS OUTLINED IN THIS NOTE, UNLESS INDICATED OTHERWISE. PANELBOARD CIRCUITING IS DELINEATED WITH A DASH-DOT LINE BOUNDARY, WITH PANELBOARD NAMES AND CIRCUIT NUMBERS IDENTIFIED AT BOUNDARY LINE. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
CIRCUITING AND LOW-VOLTAGE WIRING BETWEEN LUMINAIRES, OCCUPANCY SENSORS, PUSH BUTTON STATIONS, SWITCHES, POWER PACKS, ETC. OMITTED WHERE CONTROL SCHEME IS APPARENT OR DETAILED. CONTROL SHALL BE BY OCCUPANCY SENSOR / CONTROL DEVICE(S) IN SAME REGION / ZONE AS ASSOCIATED LUMINAIRES AND SHALL NOT TRANSCEND REGION / ZONE UNLESS NOTED OTHERWISE. (A REGION / ZONE IS A SPACE BOUND BY FLOORS, WALLS, AND CEILINGS. REGION / ZONE MAY BE FURTHER IDENTIFIED BY A DASHED LINE BOUNDARY, OR WITH A LOWERCASE LETTER FOR CLARITY).

PANELBOARD CIRCUITING

REGION / ZONE

REF. NOTES (X):

1 ALL LIGHTING INSIDE STAIRWELLS SHALL BE REPLACED ON ALL FLOORS, (ALL LUMINAIRES ON ALL FLOORS NOT SHOWN). S1 LUMINAIRES IN STAIRWELLS SHALL BE PENDANT-MOUNTED ABOVE STAIR LANDING AT +10' AFF OF LANDING TO BOTTOM OF LUMINAIRE. WITHIN EACH VERTICAL STAIRWELL, ALL STAIRWELL LUMINAIRES SHALL BE CIRCUITED TOGETHER TO CIRCUIT INDICATED ON SHEET E102.

2 S1 LUMINAIRES IN STAIRWELL SHALL BE CONTROLLED BY NLIGHT ECLYPSE TIMECLOCK CONTROLLER LOCATED ON FIRST FLOOR. PROVIDE CONDUIT FROM STAIRWELL LOCATION TO TIMECLOCK FOR LOW-VOLTAGE CAT5E CONNECTION.
TIMECLOCK PROGRAMMING:
LUMINAIRES SHALL OPERATE CONTINUOUSLY BASED ON A TIME SCHEDULE OF NOT EARLIER THAN 1 HOUR PRIOR TO BUSINESS OPEN UNTIL NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSE. OUTSIDE OF BUSINESS OPERATING HOURS, LIGHTING SHALL REVERT TO OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR CONTROL SHALL BE AUTO-ON / AUTO-OFF, AND SHALL AUTOMATICALLY TURN OFF LIGHTING AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES. MANUAL WALL CONTROLS, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NO LONGER THAN 2 HOURS.
COORDINATE WITH COR ON TIMECLOCK SCHEDULE FOR FINAL TIMECLOCK PROGRAMMING.

3 LUMINAIRES SHALL BE FURNISHED WITH INTEGRAL LIGHTING CONTROL INTERFACE WITH CAT5E CONNECTIVITY, AND INTEGRAL OCCUPANCY & PHOTOCELL SENSORS. INTEGRAL LIGHTING CONTROL INTERFACE AND SENSORS SHALL BE COMPATIBLE WITH THE EXISTING NLIGHT ECLYPSE TIMECLOCK CONTROL SYSTEM LOCATED ON THE FIRST FLOOR.
INTEGRAL SENSOR PROGRAMMING:
INTEGRAL OCCUPANCY SENSOR CONTROLS SHALL BE PROGRAMMED SO, WHEN IN OCCUPANCY MODE, ALL LUMINAIRES IN THE SAME STAIRWELL OPERATE IN A GROUP RESPONSE TO AN INDIVIDUAL OCCUPANCY SENSOR DETECTING OCCUPANCY.
INTEGRAL PHOTOCELL SHALL CONTROL THE INDIVIDUAL LUMINAIRE ONLY, AND SHALL CONTINUOUSLY DIM LUMINAIRE FROM FULL LIGHT OUTPUT TO 15 PERCENT OF FULL POWER OR LOWER, BASED ON THE AMOUNT OF AVAILABLE DAYLIGHT, DURING DAYTIME HOURS.
SEE LUMINAIRE SCHEDULE FOR ADDITIONAL INTEGRAL SENSOR INFO.

4 LUMINAIRES IN INDICATED CORRIDORS SHALL BE CONTROLLED BY NLIGHT ECLYPSE TIMECLOCK CONTROLLER LOCATED ON FIRST FLOOR. PROVIDE CONDUIT FROM CORRIDOR LOCATION TO TIMECLOCK FOR LOW-VOLTAGE CAT5E CONNECTION.
TIMECLOCK PROGRAMMING:
LUMINAIRES SHALL OPERATE CONTINUOUSLY BASED ON A TIME SCHEDULE OF NOT EARLIER THAN 1 HOUR PRIOR TO BUSINESS OPEN UNTIL NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSE. OUTSIDE OF BUSINESS OPERATING HOURS, LIGHTING SHALL REVERT TO OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR CONTROL SHALL BE AUTO-ON / AUTO-OFF, AND SHALL AUTOMATICALLY TURN OFF LIGHTING AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES. MANUAL WALL CONTROLS, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NO LONGER THAN 2 HOURS.
COORDINATE WITH COR ON TIMECLOCK SCHEDULE FOR FINAL TIMECLOCK PROGRAMMING.

6 PENDANT MOUNT AT +13' AFF TO BOTTOM OF LUMINAIRE.

7 PENDANT MOUNT AT +12'-6" AFF TO BOTTOM OF LUMINAIRE.

8 PENDANT MOUNT AT +9'-6" AFF TO BOTTOM OF LUMINAIRE.

9 PENDANT MOUNT AT +11' AFF TO BOTTOM OF LUMINAIRE.

10 PENDANT MOUNT AT +11'-6" AFF TO BOTTOM OF LUMINAIRE.

11 PENDANT MOUNT AT +7' AFF TO BOTTOM OF LUMINAIRE. COORDINATE FINAL MOUNTING HEIGHT WITH COR PRIOR TO INSTALLATION.

NORTH

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OF ILLINOIS
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JEF/JCB CHECKED
08/13/2025 DATE

TITLE OF SHEET
SECOND FLOOR PLAN - LIGHTING - OPTIONS 2 & 4
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E102**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **56** OF **66**

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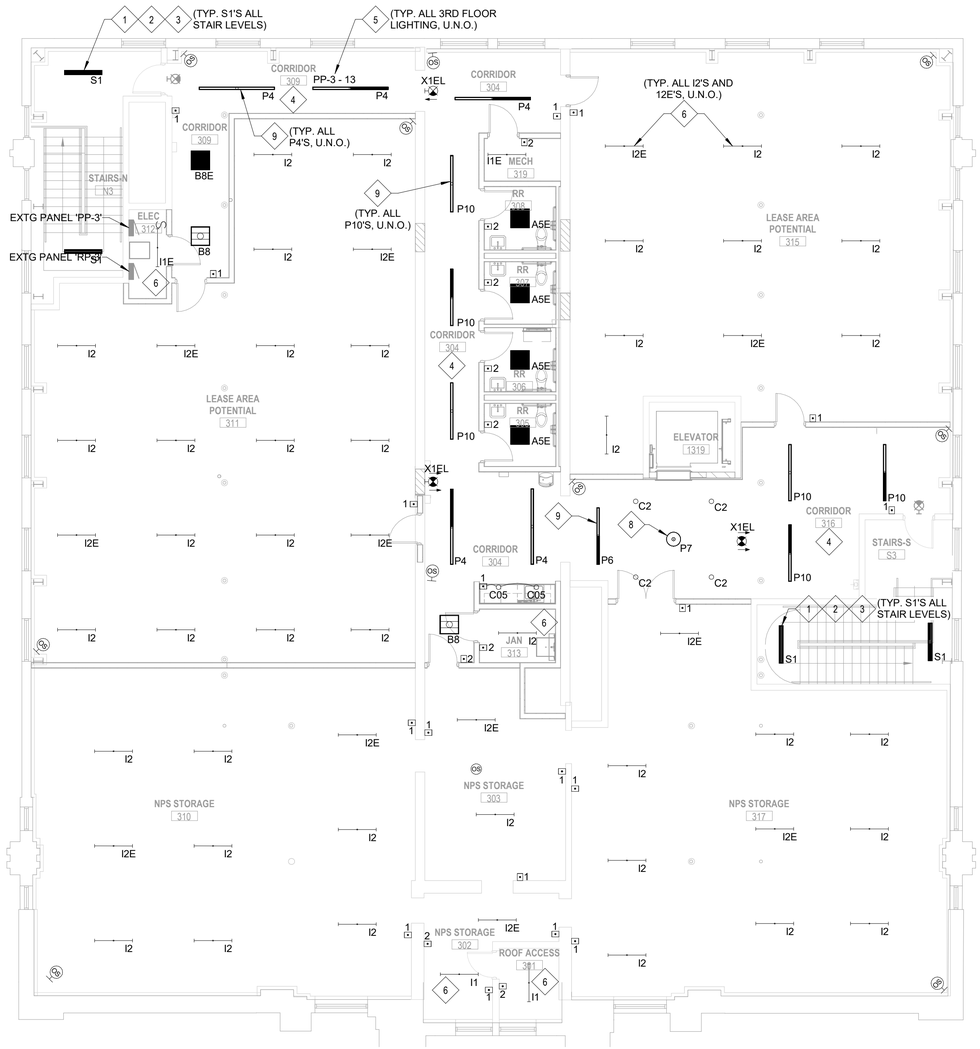

1 THIRD FLOOR PLAN - LIGHTING - OPTION 6
SCALE: 1/8" = 1'-0"

ALL LUMINAIRES SHOWN SHALL BE CIRCUITED AS OUTLINED IN THIS NOTE, UNLESS INDICATED OTHERWISE. PANELBOARD CIRCUITING IS DELINEATED WITH A DASH-DOT LINE BOUNDARY, WITH PANELBOARD NAMES AND CIRCUIT NUMBERS IDENTIFIED AT BOUNDARY LINE. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
CIRCUITING AND LOW-VOLTAGE WIRING BETWEEN LUMINAIRES, OCCUPANCY SENSORS, PUSH BUTTON STATIONS, SWITCHES, POWER PACKS, ETC. OMITTED WHERE CONTROL SCHEME IS APPARENT OR DETAILED. CONTROL SHALL BE BY OCCUPANCY SENSOR / CONTROL DEVICE(S) IN SAME REGION / ZONE AS ASSOCIATED LUMINAIRES AND SHALL NOT TRANSCEND REGION / ZONE UNLESS NOTED OTHERWISE. (A REGION / ZONE IS A SPACE BOUND BY FLOORS, WALLS, AND CEILINGS. REGION / ZONE MAY BE FURTHER IDENTIFIED BY A DASHED LINE BOUNDARY, OR WITH A LOWERCASE LETTER FOR CLARITY).

PANELBOARD CIRCUITING

REGION / ZONE

REF. NOTES (◇X):

1 ALL LIGHTING INSIDE STAIRWELLS SHALL BE REPLACED ON ALL FLOORS, (ALL LUMINAIRES ON ALL FLOORS NOT SHOWN). S1 LUMINAIRES IN STAIRWELLS SHALL BE PENDANT-MOUNTED ABOVE STAIR LANDING AT +10' AFF OF LANDING TO BOTTOM OF LUMINAIRE. WITHIN EACH VERTICAL STAIRWELL, ALL STAIRWELL LUMINAIRES SHALL BE CIRCUITED TOGETHER TO CIRCUIT INDICATED ON SHEET E102.

2 S1 LUMINAIRES IN STAIRWELL SHALL BE CONTROLLED BY NLIGHT ECLYPSE TIMECLOCK CONTROLLER LOCATED ON FIRST FLOOR. PROVIDE CONDUIT FROM STAIRWELL LOCATION TO TIMECLOCK FOR LOW-VOLTAGE CAT5E CONNECTION.
TIMECLOCK PROGRAMMING:
LUMINAIRES SHALL OPERATE CONTINUOUSLY BASED ON A TIME SCHEDULE OF NOT EARLIER THAN 1 HOUR PRIOR TO BUSINESS OPEN UNTIL NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSE. OUTSIDE OF BUSINESS OPERATING HOURS, LIGHTING SHALL REVERT TO OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR CONTROL SHALL BE AUTO-ON / AUTO-OFF, AND SHALL AUTOMATICALLY TURN OFF LIGHTING AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES. MANUAL WALL CONTROLS, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NO LONGER THAN 2 HOURS.
COORDINATE WITH COR ON TIMECLOCK SCHEDULE FOR FINAL TIMECLOCK PROGRAMMING.

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INTEGRAL PHOTOCELL SHALL CONTROL THE INDIVIDUAL LUMINAIRE ONLY, AND SHALL CONTINUOUSLY DIM LUMINAIRE FROM FULL LIGHT OUTPUT TO 15 PERCENT OF FULL POWER OR LOWER, BASED ON THE AMOUNT OF AVAILABLE DAYLIGHT, DURING DAYTIME HOURS.
SEE LUMINAIRE SCHEDULE FOR ADDITIONAL INTEGRAL SENSOR INFO.

4 LUMINAIRES IN INDICATED CORRIDORS SHALL BE CONTROLLED BY NLIGHT ECLYPSE TIMECLOCK CONTROLLER LOCATED ON FIRST FLOOR. PROVIDE CONDUIT FROM CORRIDOR LOCATION TO TIMECLOCK FOR LOW-VOLTAGE CAT5E CONNECTION.
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LUMINAIRES SHALL OPERATE CONTINUOUSLY BASED ON A TIME SCHEDULE OF NOT EARLIER THAN 1 HOUR PRIOR TO BUSINESS OPEN UNTIL NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSE. OUTSIDE OF BUSINESS OPERATING HOURS, LIGHTING SHALL REVERT TO OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR CONTROL SHALL BE AUTO-ON / AUTO-OFF, AND SHALL AUTOMATICALLY TURN OFF LIGHTING AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES. MANUAL WALL CONTROLS, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NO LONGER THAN 2 HOURS.
COORDINATE WITH COR ON TIMECLOCK SCHEDULE FOR FINAL TIMECLOCK PROGRAMMING.

5 ALL LUMINAIRES SHOWN ON THIS PLAN SHALL BE CIRCUITED TO PANELBOARD AND CIRCUIT NUMBER INDICATED, UNLESS NOTED OTHERWISE.

6 PENDANT MOUNT AT +13' AFF TO BOTTOM OF LUMINAIRE.

8 PENDANT MOUNT AT +9'-6" AFF TO BOTTOM OF LUMINAIRE.

9 PENDANT MOUNT AT +11' AFF TO BOTTOM OF LUMINAIRE.

NORTH

JONATHAN FANT 062-069044 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
09/16/2025
LICENSE EXP. 11/30/2025

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TITLE OF SHEET
THIRD FLOOR PLAN - LIGHTING - OPTION 6
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E103**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **57** OF **66**

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ALL POWERED RECEPTACLES, DEVICES, AND EQUIPMENT SHOWN SHALL BE CIRCUITED AS OUTLINED IN THIS NOTE, UNLESS INDICATED OTHERWISE. PANELBOARD CIRCUITING, INCLUDING IDENTIFYING SEPARATE PANELBOARDS' BRANCH CIRCUIT AREAS, IS DELINEATED WITH A DASH-DOT LINE BOUNDARY, WITH PANEL NAMES IDENTIFIED AT BOUNDARY LINE. CIRCUIT NUMBERS ARE IDENTIFIED ADJACENT TO RECEPTACLE, DEVICE, OR EQUIPMENT. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.

PANELBOARD CIRCUITING

REF. NOTES (◇X◇):

43 OPTION 1 - REPLACE EXISTING ACCESS CONTROL PANEL WITH CONTROL SYSTEM WITH LENELS2 MODEL 2220 OR APPROVED EQUAL. ACCESS USING NPS PIV CARDS AND PROXIMITY CARDS THAT CAN BE PROGRAMMED BY NPS STAFF FOR VISITORS.

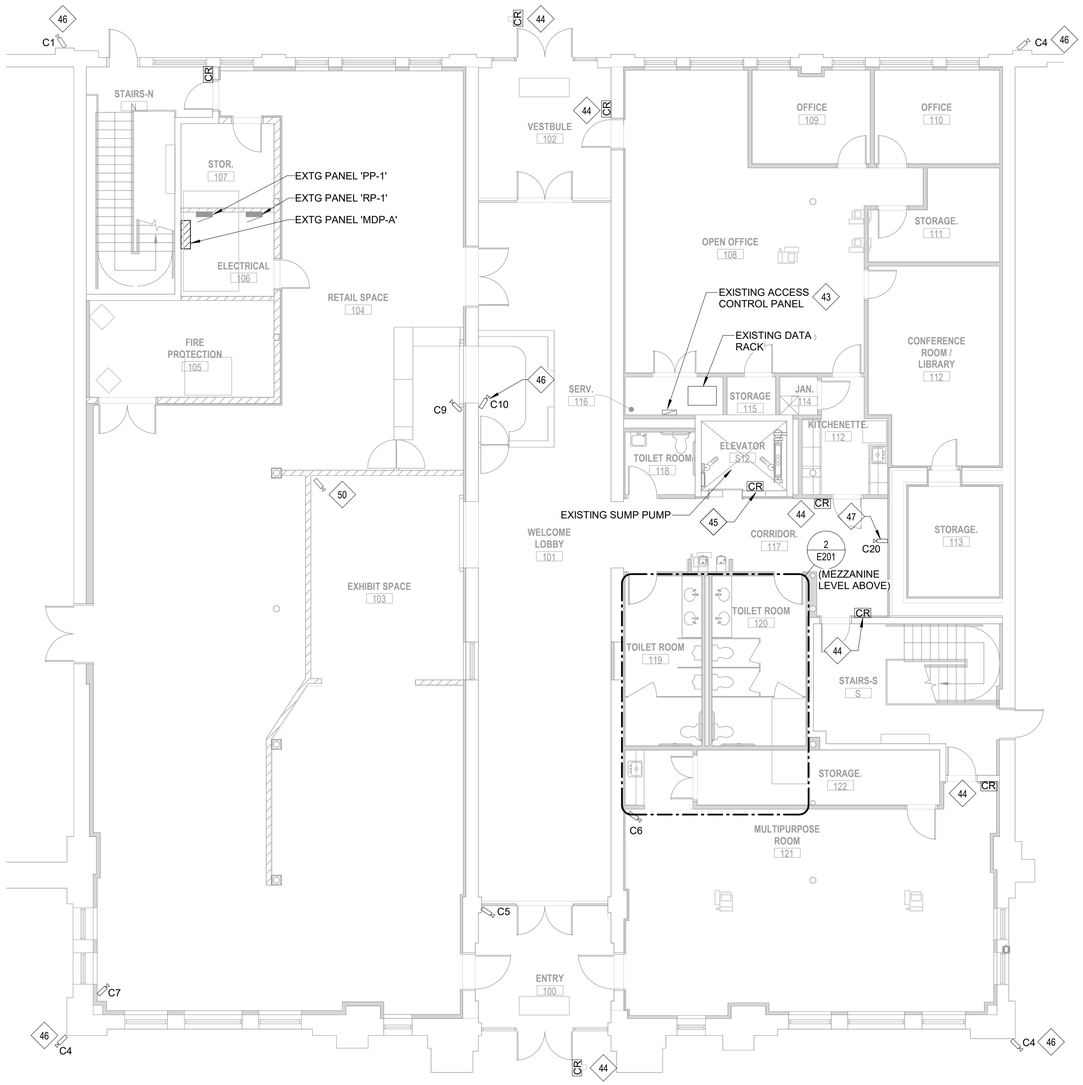
44 OPTION 1 - REPLACE ALL CARD ACCESS READERS WITH NEW CARD READERS COMPATIBLE WITH THE NEW ACCESS CONTROL PANEL. INSTALL ALL NEW WIRING BETWEEN ACCESS CARD READERS AND NEW ACCESS CONTROL PANEL. PROVIDE FULL COMMISSIONING INCLUDING FUNCTIONAL TESTING FOR A COMPLETE AND OPERABLE SYSTEM.

45 CARD READER TO ALLOW ACCESS TO THIRD FLOOR.

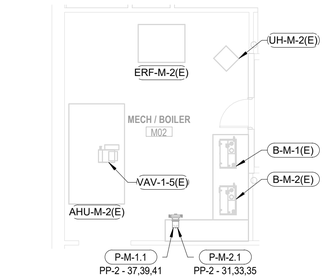
46 REPOSITION CAMERA FOR IMPROVED VIEW. COORDINATE WITH COR.

47 NEW CAMERA TO PROVIDE VIEW OF PEOPLE ENTERING AND EXITING ELEVATOR AND STAIRWAY. COORDINATE WITH COR.

50 EXISTING CAMERA TO BE ABANDONED IN PLACE.



1 FIRST FLOOR PLAN - POWER & AUXILIARY SYSTEMS
SCALE: 1/8" = 1'-0"



2 MEZZANINE PLAN - POWER & AUXILIARY SYSTEMS
SCALE: 1/8" = 1'-0"

NORTH

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11/15/2025
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NATIONAL PARK SERVICE Department of the Interior

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08/13/2025 DATE

TITLE OF SHEET
FIRST FLOOR PLAN - POWER & AUXILIARY SYSTEMS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E201**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **58** OF **66**

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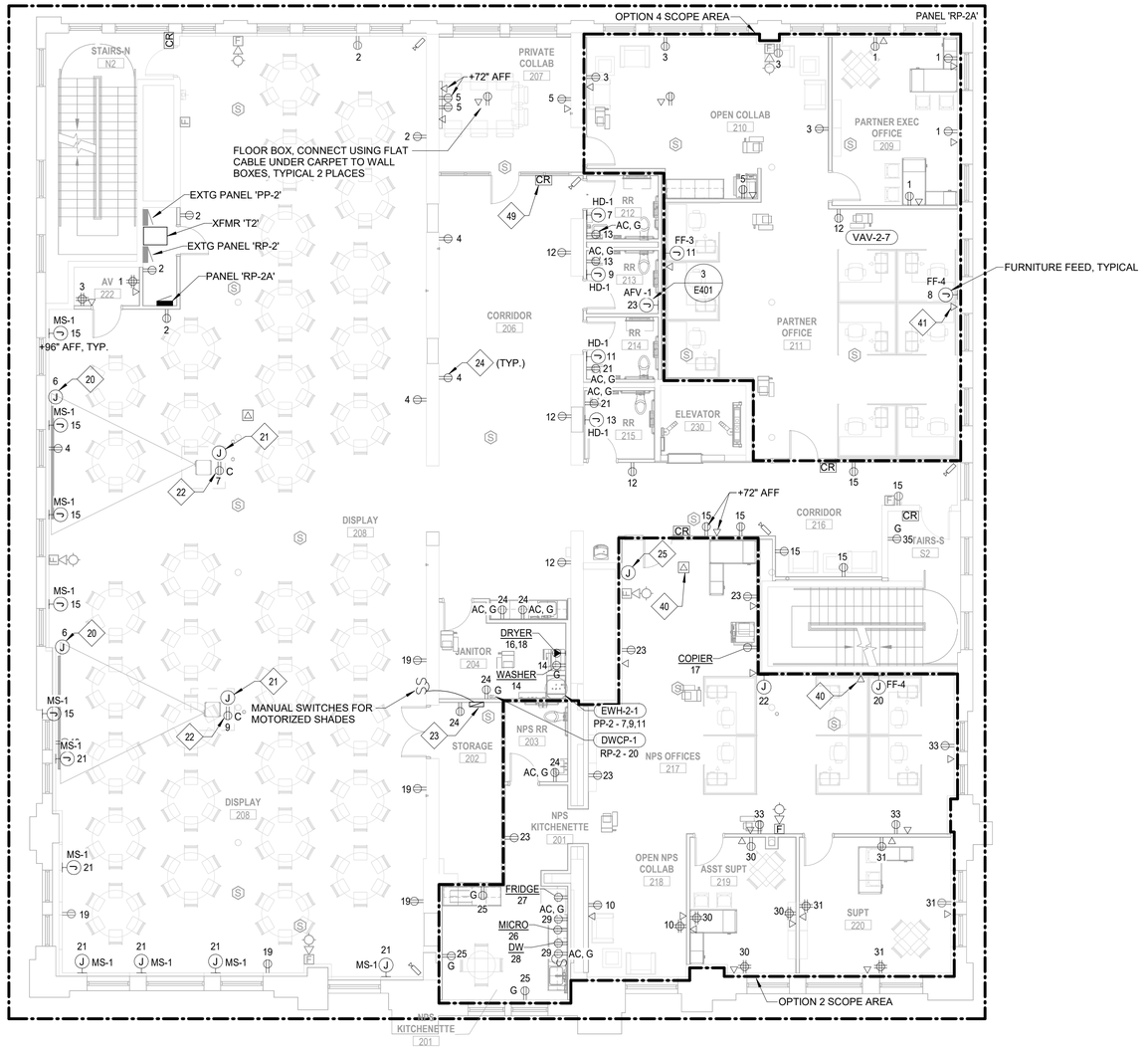
ALL POWERED RECEPTACLES, DEVICES, AND EQUIPMENT SHOWN SHALL BE CIRCUITED AS OUTLINED IN THIS NOTE, UNLESS INDICATED OTHERWISE. PANELBOARD CIRCUITING, INCLUDING IDENTIFYING SEPARATE PANELBOARDS' BRANCH CIRCUIT AREAS, IS DELINEATED WITH A DASH-DOT LINE BOUNDARY, WITH PANEL NAMES IDENTIFIED AT BOUNDARY LINE. CIRCUIT NUMBERS ARE IDENTIFIED ADJACENT TO RECEPTACLE, DEVICE, OR EQUIPMENT. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.

PANELBOARD CIRCUITING

REF. NOTES (◇X):

20	JUNCTION BOX FOR POWER CONNECTION TO MOTORIZED SCREEN. CONTROL WIRING FOR RAISE/LOWER CONTROL IS REQUIRED BUT IS NOT SHOWN.
21	CEILING MOUNTED BOX FOR A/V CONNECTION TO PROJECTOR
22	CEILING MOUNTED RECEPTACLE FOR PROJECTOR
23	MOTORIZED SHADE CONTROL PANEL.
24	ALL RECEPTACLES, DATA OUTLETS, AND OTHER LOW VOLTAGE EQUIPMENT MOUNTED ON EXISTING BRICK WALLS TO BE SURFACE MOUNTED. PAINT ALL CONDUITS AND BOXES TO CLOSELY MATCH BRICK COLOR.
25	PROVIDE J-BOX WITH 120V FOR POWER CONNECTION TO FIRE SMOKE DAMPERS. COORDINATE WITH MECHANICAL FOR FINAL LOCATIONS.
40	ALL DATA OUTLETS AND WIRELESS ACCESS POINTS TO HAVE NETWORK CABLES INSTALLED, ROUTED TO DATA RACK ON THE FIRST FLOOR, TERMINATED, AND TESTED PER GENERAL NOTES ON E 00.
41	ALL DATA OUTLETS WITHIN OPEN COLLAB RM 210, PARTNER EXEC OFFICE 209, AND PARTNER OFFICE 211 TO HAVE NETWORK CABLES ROUTED TO A SEPARATE NETWORK SWITCH ON THE FIRST FLOOR. TERMINATE AND TEST PER GENERAL NOTES ON E 00.
49	MOUNT NEW CARD READER IN THIS LOCATION IF FEASIBLE. IF NOT FEASIBLE THEN MOUNT ON WALL TO THE RIGHT.



1 SECOND FLOOR PLAN - POWER & AUXILIARY SYSTEMS
SCALE: 1/8" = 1'-0"

NORTH

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LICENSED PROFESSIONAL ENGINEER
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CHECKED
08/13/2025
DATE

TITLE OF SHEET
SECOND FLOOR PLAN - POWER & AUX. SYS. - OPTIONS 2 & 4
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E202**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **59** OF **66**

ALL POWERED RECEPTACLES, DEVICES, AND EQUIPMENT SHOWN SHALL BE CIRCUITED AS OUTLINED IN THIS NOTE, UNLESS INDICATED OTHERWISE. PANELBOARD CIRCUITING, INCLUDING IDENTIFYING SEPARATE PANELBOARDS' BRANCH CIRCUIT AREAS, IS DELINEATED WITH A DASH-DOT LINE BOUNDARY, WITH PANEL NAMES IDENTIFIED AT BOUNDARY LINE. CIRCUIT NUMBERS ARE IDENTIFIED ADJACENT TO RECEPTACLE, DEVICE, OR EQUIPMENT. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.

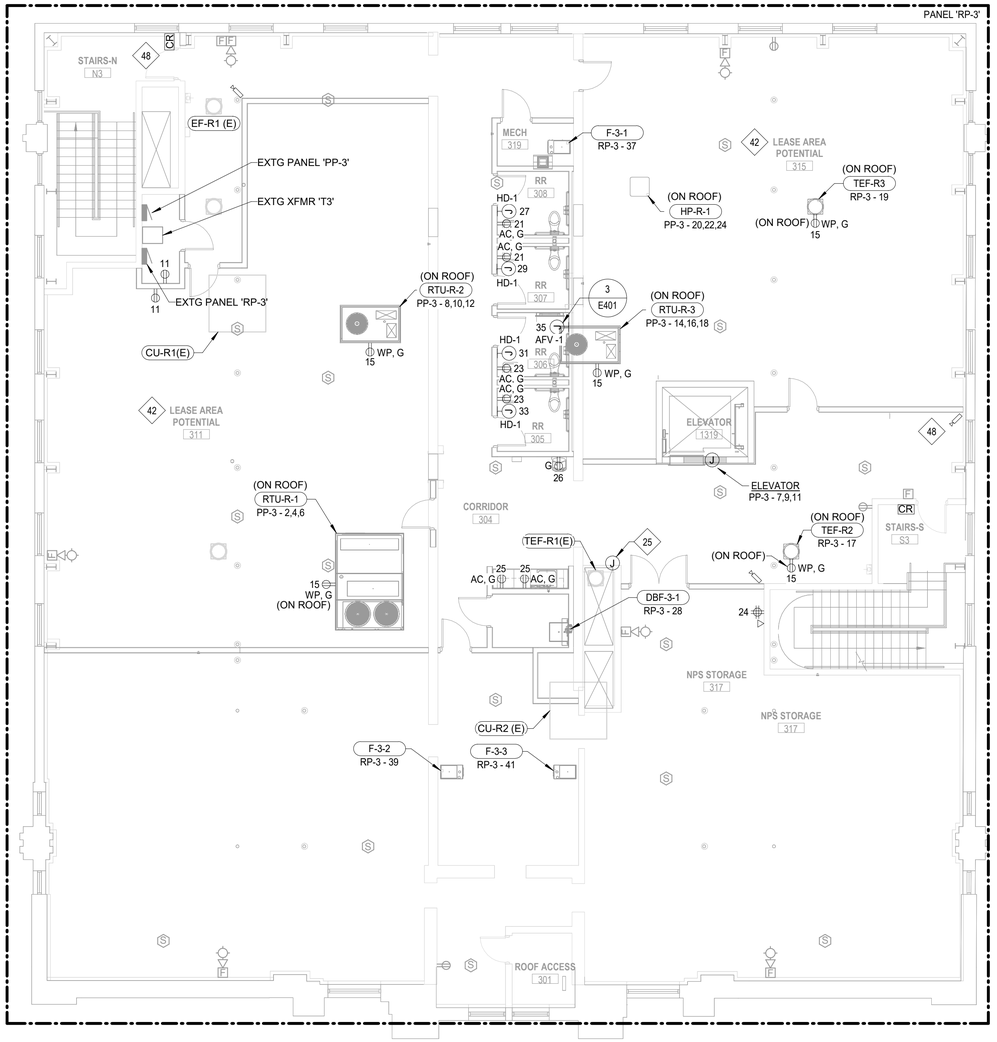
PANELBOARD CIRCUITING

REF. NOTES (X):

25 PROVIDE J-BOX WITH 120V FOR POWER CONNECTION TO FIRE SMOKE DAMPERS. COORDINATE WITH MECHANICAL FOR FINAL LOCATIONS.

42 LEASE AREA RM 311 AND LEASE AREA RM 315 TO EACH HAVE INDIVIDUAL 2" SLEEVES THROUGH FLOORS AND WALLS TO ALLOW FOR FUTURE INSTALLATION OF DATA NETWORK CABLES FROM THE SPACES INTO THE FIRST FLOOR DATA CLOSET. PROVIDE TEMPORARY SEALS TO MAINTAIN FIRE AND SMOKE BARRIER INTEGRITY.

48 ALL CARD READERS AND CAMERAS ON THE THIRD FLOOR ARE PART OF BASE BID.



1 THIRD FLOOR PLAN - POWER & AUXILIARY SYSTEMS - OPTION 6
SCALE: 1/8" = 1'-0"

NORTH

LICENSED PROFESSIONAL ENGINEER
JONATHAN FANT
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TITLE OF SHEET
THIRD FLOOR PLAN - POWER & AUXILIARY SYSTEMS - OPTION 6
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CHICAGO, ILLINOIS 60628

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SHEET **60** OF **66**

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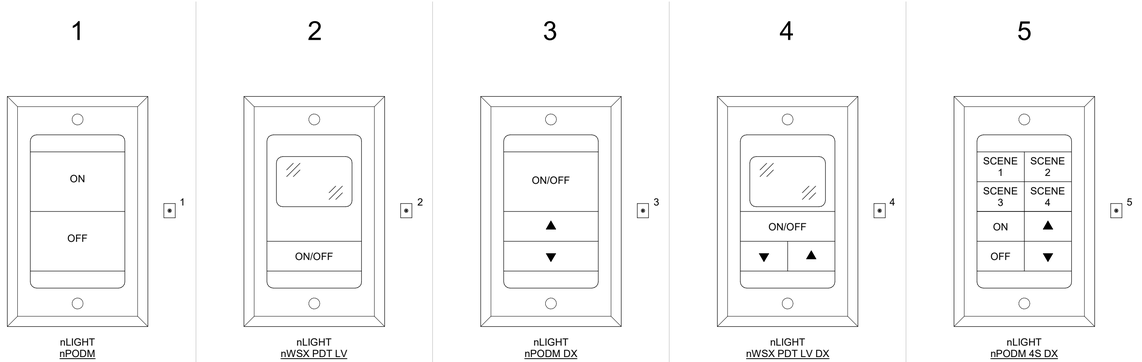
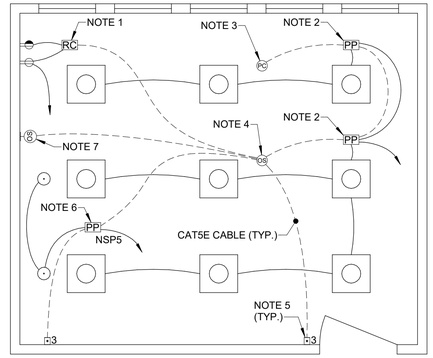
LITHONIA (nLIGHT)



1 LITHONIA (nLIGHT) - SPECIALTY LIGHTING PUSHBUTTONS
SCALE: NOT TO SCALE



NOTES:
1. POWER PACK (nPP20 PL) SHALL CONTROL "CONTROLLED" RECEPTACLES THROUGH OCCUPANCY SENSOR. (AS REQUIRED. SEE PLANS).
2. POWER PACK (nPP16D) REQUIRED TO CONTROL EACH DIMMABLE REGION / ZONE, INCLUDING DAYLIGHTING ZONES. WHERE DIMMING IS NOT SHOWN / REQUIRED, POWER PACK (nPP16) SHALL BE USED. CONTROLS AND REGIONS / ZONES SHOWN ON PLANS.
3. PHOTOCELL CONTROL DEVICE: nCM ADCX RJB (AS REQUIRED. SEE PLANS).
4. OCCUPANCY SENSOR DEVICE: nCM-PDT-9/10-RJB (AS REQUIRED. SEE PLANS).
5. LOW VOLTAGE LIGHT CONTROL / DIMMER PUSHBUTTON SWITCH. SEE PLANS AND PUSHBUTTON DETAIL FOR MORE INFORMATION.
6. POWER PACKS LABELED "NSP5": nSP5 PCD POWER PACKS FOR LINE-VOLTAGE SWITCHING & DIMMING OF DECORATIVE INCANDESCENT LUMINAIRES. (AS REQUIRED. SEE PLANS).
7. WALL OCCUPANCY SENSOR DEVICE: nWV-PDT-16 (AS REQUIRED. SEE PLANS).

2 LITHONIA (nLIGHT) - SPECIALTY LIGHTING WIRING DIAGRAM
SCALE: NOT TO SCALE

ALL ACUITY BRANDS NLIGHT EQUIPMENT SCHEDULED AND SPECIFIED ARE BASIS OF DESIGN - ONLY. EQUIVALENT SUBMITTALS SHALL BE REQUIRED TO BE ABLE TO CONNECT TO, AND FULLY INTEGRATE WITH THE EXISTING FIRST FLOOR NLIGHT LIGHTING CONTROL SYSTEM, INCLUDING THE NLIGHT ECLYPSE CONTROL SYSTEM. ALL AVAILABLE NLIGHT FUNCTIONS MUST BE OPERABLE AND FUNCTIONAL FOR SECOND AND THIRD FLOOR SCOPE AREAS.
EQUIVALENT SUBMITTALS SHALL BE EVALUATED AND APPROVED BY THE NATIONAL PARK SERVICE.

NOTES:
1. COORDINATE MOUNTING HEIGHTS AND ALL INSTALLATION REQUIREMENTS WITH VALVE INSTALLATION DRAWINGS AND MECHANICAL CONTRACTOR.
2. MAKE FINAL CONNECTIONS TO ALL ASSOCIATED DEVICES.
3. PROVIDE LAVATORY, URINAL, AND WATER CLOSET FLUSH VALVES JUNCTION BOXES, NOT SHOWN ON PLANS.

3 AUTOMATIC LAV & FLUSH VALVE WIRING DIAGRAM
SCALE: NOT TO SCALE

LICENSED PROFESSIONAL ENGINEER
JONATHAN FANT
062-069044
OF ILLINOIS
08/22/2025
LICENSE EXP. 11/30/2025

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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KJS/JEF DESIGNED
KJS/JEF DRAWN
JEF/JCB CHECKED
08/13/2025 DATE

TITLE OF SHEET
ELECTRICAL DETAILS
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E401**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **61** OF **66**

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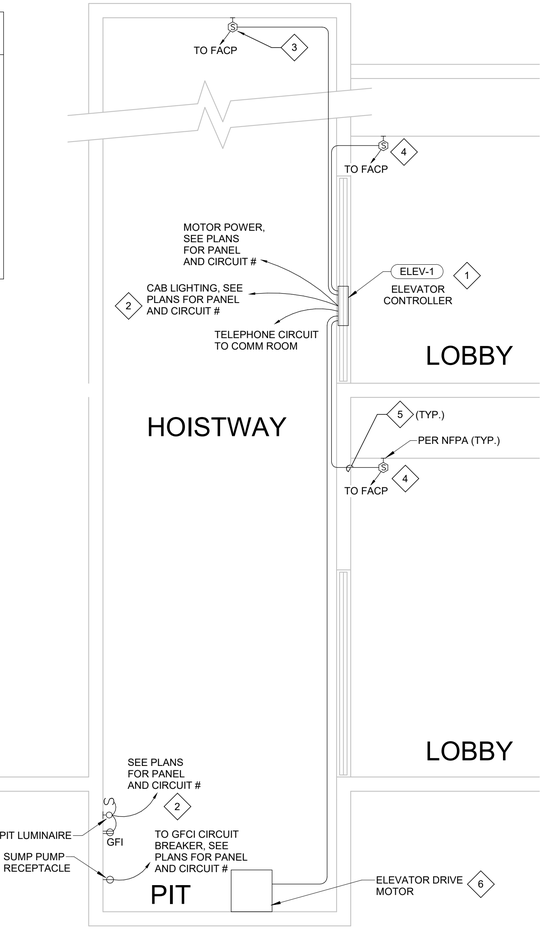
REFERENCED ELECTRICAL NOTES(X):

1. ELEVATOR CONTROLLER PROVIDED BY ELEVATOR MANUFACTURER, COMPLETE WITH ALL CONTROLS INCLUDING ELEVATOR RECALL, AND SHUNT TRIP DISCONNECTS NEEDED FOR OPERATION AND COMPLIANCE WITH NEC, NFPA, AND LOCAL CODES AND ORDINANCES.
2. DEDICATED CIRCUIT PER NEC 620.
3. SHAFT SMOKE DETECTOR FOR FIRE ALARM SYSTEM ACTIVATION AND ELEVATOR RECALL.
4. ELEVATOR LOBBY SMOKE DETECTOR(S) FOR FIRE ALARM SYSTEM ACTIVATION AND ELEVATOR RECALL. SEE FLOOR PLANS FOR LOCATIONS.
5. CONTRACTOR SHALL INSTALL ALL CONDUCTORS AND CABLES IN CONDUIT PER NEC 620. ALL CONDUIT AND CONDUCTOR SIZES TO BE PER MANUFACTURER'S REQUIREMENTS OR NEC MINIMUMS, WHICHEVER IS LARGER. ALL CONDUIT AND CONDUCTORS TO BE TYPES ALLOWED IN NEC ARTICLE 620.
6. PROVIDE FLEXIBLE CONDUIT CONNECTIONS AS REQUIRED OR RECOMMENDED BY MANUFACTURER.



1 MRL ELEVATOR CONNECTION DETAIL (SPRINKLED BUILDING)
SCALE: NO SCALE

SYSTEM IDENTIFICATION DECAL

SYSTEM CONDUCTOR IDENTIFICATION
208Y/120V 3Φ 4W
A – PHASE – BLACK
B – PHASE – RED
C – PHASE – BLUE
NEUTRAL – WHITE
GROUND – GREEN

SYSTEM CONDUCTOR IDENTIFICATION
120/240V
A – PHASE – BLACK
B – PHASE – RED
NEUTRAL – WHITE
GROUND – GREEN

SYSTEM CONDUCTOR IDENTIFICATION
480Y/277V 3Φ 4W
A – PHASE – BROWN
B – PHASE – ORANGE
C – PHASE – YELLOW
NEUTRAL – GRAY
GROUND – GREEN

SYSTEM CONDUCTOR IDENTIFICATION
240V DELTA 3Φ 3W
A – PHASE – PINK
B – PHASE – PURPLE
C – PHASE – TAN
GROUND – GREEN

PANEL IDENTIFICATION DECAL

PANEL TYPE — H1 — PANEL DESIGNATION
FED FROM MDP

CR = CRITICAL
EQ = EQUIPMENT
LS = LIFE SAFETY
EM = EMERGENCY

OS = OPTIONAL STANDBY
H = 480V
L = 208V

BRANCH/FEEDER IDENTIFICATION DECAL

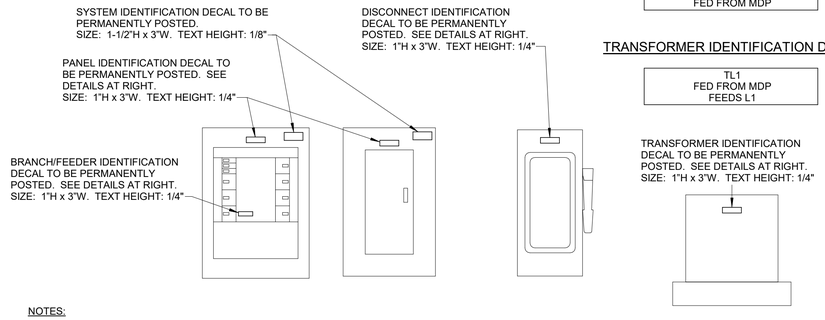
PANEL H1

DISCONNECT IDENTIFICATION DECAL

EF-1
480V
FED FROM MDP

TRANSFORMER IDENTIFICATION DECAL

TL1
FED FROM MDP
FEEDS L1



NOTES:

1. DECALS SHALL BE LAMINATED ACRYLIC WITH WHITE ENGRAVED LETTERING ON A BLACK BACKGROUND. PANELS OR EQUIPMENT CONNECTED TO AN ALTERNATE POWER SOURCE SHALL HAVE WHITE ENGRAVED LETTERING ON A RED BACKGROUND.
2. DECALS SHALL BE SIZED TO ACCOMMODATE SPECIFIED LEGENDS BUT NO SMALLER THAN SIZES SHOWN, MINIMUM OF 1/16" THICK.
3. DECALS SHALL BE PUNCHED OR DRILLED FOR MECHANICAL FASTENERS WITH 1/4" GROMMETS IN CORNERS FOR MOUNTING.
4. COLORS FOR 240V DELTA SYSTEMS BASED ON AVAILABLE COLORS OFFERED BY SOUTHWIRE. OTHER COLORS THAT DO NOT CONFLICT WITH OTHER VOLTAGE SYSTEMS PERMITTED.

2 PANELBOARD & EQUIPMENT IDENTIFICATION DETAIL
SCALE: 1/8" = 1'-0"

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11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E402**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **62** OF **66**

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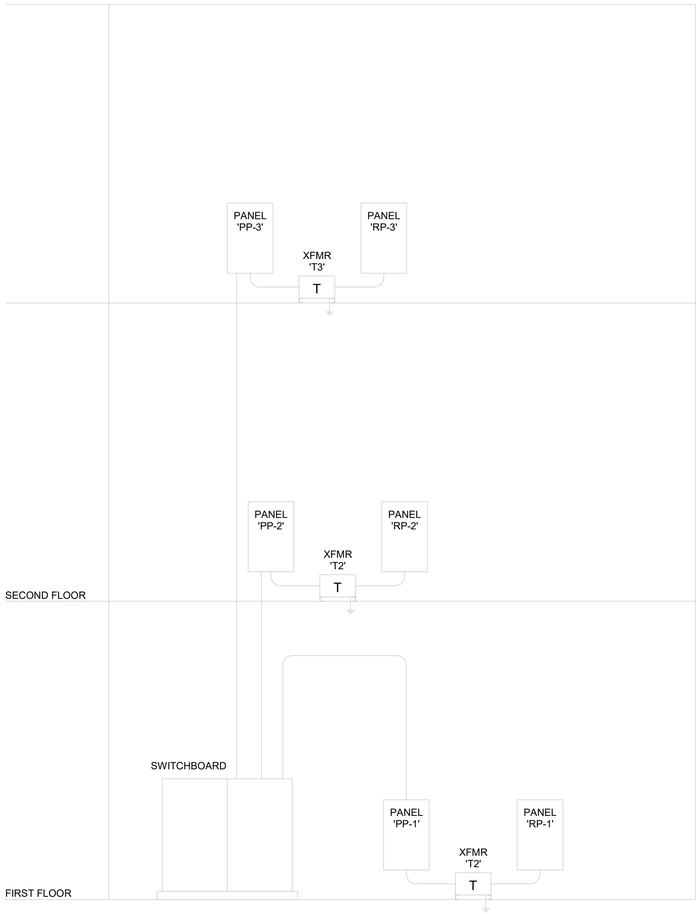
TRANSFORMER SCHEDULE

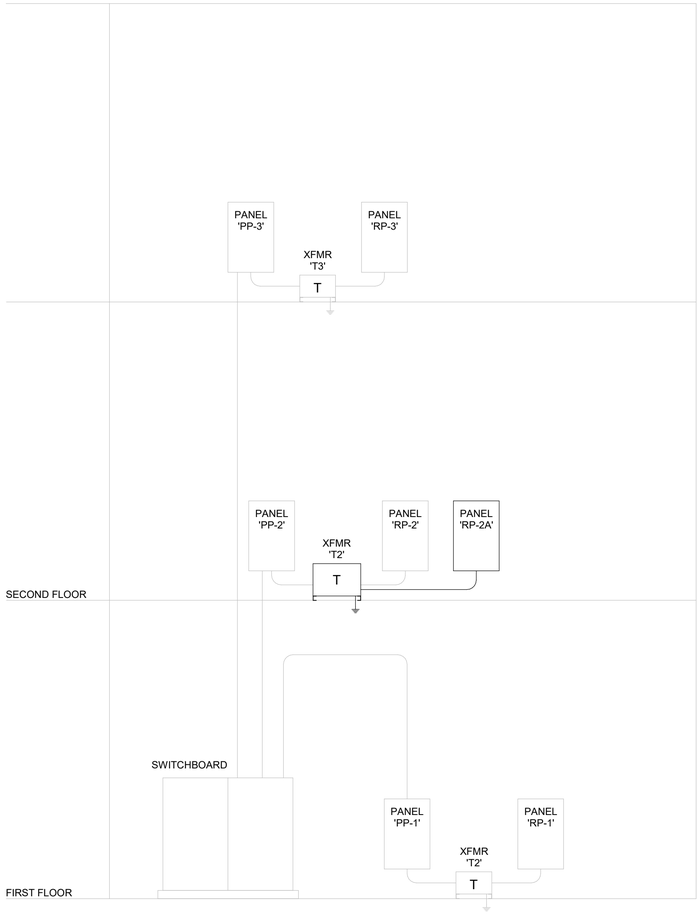
EQUIPMENT NAME	FED FROM	PRIMARY VOLTAGE	SECONDARY VOLTAGE	KVA	MANUFACTURER	MODEL NUMBER	PRIMARY CONDUCTORS	SECONDARY CONDUCTORS	NOTES
T2	PP-2	480	208Y/120	75	SQUARE D	EX75T3H	3#1, 1#6G - 1-1/2"C	4#4/0, 1#2G - 2-1/2"C	

REF. NOTES (X):

FEEDER SCHEDULE (FXXXXXXX):



1 POWER RISER DIAGRAM - EXISTING
SCALE: NOT TO SCALE



2 POWER RISER DIAGRAM - NEW
SCALE: NOT TO SCALE

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KJS/JEF — DRAWN
JEF/JCB — CHECKED
08/13/2025 — DATE

TITLE OF SHEET
POWER RISER DIAGRAM
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E501**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **63** OF **66**

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EQUIPMENT SCHEDULE

DEVICE	DEVICE DESCRIPTION	VOLTAGE	PH	KW	FLA	HP	STARTER / DISCONNECT TYPE	STARTER / DISCONNECT SIZE	STARTER / DISCONNECT FUSE	PLUG CONFIG	RECEPT CONFIG	FEEDER SIZE	NOTES
AFV -1	AUTOMATED FLUSH VALVES	120 V	1	1.5	-	-				-	-	2#12, 1#12G - 3/4"C	-
DBF-3-1	DRYER BOOSTER FAN	120 V	1	-	0.59	-	BCU	15A	1.5A	-	-	2#12, 1#12G - 3/4"C	2
DRYER	DRYER	208 V	1	-	24	-	-	-	-	14-30P	14-30R	F30A3G 3#10, 1#10G - 3/4"C	
DWCP-1	DOMESTIC WATER CIRCULATING PUMP	120 V	1	-	-	1/8	-	-	-	-	-	2#12, 1#12G - 3/4"C	
EWH-2-1	ELECTRIC WATER HEATER	480 V	3	18	-	-	NFD	30A/3P	-	-	-	3#10, 1#10G - 3/4"C	
F-3-1	FURNACE	120 V	1	-	9.5	-	NFD	-	-	-	-	2#12, 1#12G - 3/4"C	
F-3-2	FURNACE	120 V	1	-	10.5	-	NFD	-	-	-	-	2#12, 1#12G - 3/4"C	
F-3-3	FURNACE	120 V	1	-	10.5	-	NFD	-	-	-	-	2#12, 1#12G - 3/4"C	
HD-1	HAND DRYER	120 V	1	1.5	-	-				-	-	2#12, 1#12G - 3/4"C	-
HP-R-1	HEAT PUMP	480 V	3	-	5.8	-	NFD	-	-	-	-	3#12, 1#12G - 3/4"C	
MS-1	MOTORIZED SHADE	120 V	1	0.5	-	-				-	-	2#12, 1#12G - 3/4"C	-
P-M-1.1	PUMP	480 V	3	-	-	3	NFD	-	-	-	-	3#12, 1#12G - 3/4"C	1
P-M-2.1	PUMP	480 V	3	-	-	3	NFD	-	-	-	-	3#12, 1#12G - 3/4"C	1
RTU-R-1	ROOF TOP UNIT	480 V	3	-	43.6	-	INT	-	-	-	-	3#4, 1#8G - 1-1/4"C	
RTU-R-2	ROOF TOP UNIT	480 V	3	-	11.5	-	INT	-	-	-	-	3#12, 1#12G - 3/4"C	
RTU-R-3	ROOF TOP UNIT	480 V	3	-	10.41	-	INT	-	-	-	-	3#12, 1#12G - 3/4"C	
TEF-R2	EXHAUST FAN	120 V	1	-	-	1/4	NFD	-	-	-	-	2#12, 1#12G - 3/4"C	
TEF-R3	EXHAUST FAN	120 V	1	-	-	1/4	NFD	-	-	-	-	2#12, 1#12G - 3/4"C	

GENERAL EQUIPMENT SCHEDULE NOTES:

A. THIS SCHEDULE DISPLAYS SIZING INFORMATION THAT IS GENERIC IN NATURE. SCHEDULE DOES NOT ITEMIZE ALL INSTANCES OF EQUIPMENT. CONTRACTOR SHALL REFER TO THE PLANS FOR FINAL QUANTITIES AND LOCATIONS.

B. MOUNT ALL DISCONNECTS AND STARTERS ON ASSOCIATED EQUIPMENT UNLESS SHOWN OTHERWISE. MAINTAIN WORKING CLEARANCES PER NEC; COORDINATE WITH MECHANICAL CONTRACTOR.

C. BCU = BOX COVER UNIT (COOPER #SSY / #STY OR EQUAL) WITH FUSE.

D. NFD OR FD = NON-FUSED OR FUSED DISCONNECT SWITCH.

E. CS/NFD, FD = COMBINATION STARTER/ NON OR FUSED DISCONNECT SWITCH.

F. INT = INTEGRAL DISCONNECT FURNISHED WITH EQUIPMENT.

G. FHPMC = FRACTIONAL HORSEPOWER MANUAL CONTROLLER.

H. IHPMC = INTEGRAL HORSEPOWER MANUAL CONTROLLER.

I. STE = THERMAL ELEMENT SWITCH. PROVIDE THERMAL UNIT.

J. EXP = DEVICE TO BE EXPLOSION-PROOF.

K. ALL SWITCHES, DISCONNECTS, ETC SHALL BE LOCKABLE.

L. ALL SWITCHES, DISCONNECTS, ETC SHALL BE NEMA 3R WHERE REQUIRED.

M. PROVIDE FUSES AS SHOWN; REVISE SIZES PER ACTUAL NAMEPLATE DATA.

N. STARTER ACCESSORIES:STARTER ACCESSORIES:
1. CONTROL TRANSFORMER
2. H-O-A SWITCH
3. RED RUN LIGHT
4. 2 NO CONTACTS; 2 NC CONTACTS

O. PROVIDE DUCT DETECTOR, SHUTDOWN RELAY, AND ACCESSORIES AS REQUIRED TO SHUTDOWN HVAC EQUIPMENT 2000 CFM OR HIGHER PER NFPA AND AHJ.

EQUIPMENT SCHEDULE NOTES:

1. POWERED AND CONTROLLED BY A VFD (FURNISHED BY MECHANICAL).

2. CONTROL PROVIDED BY MECHANICAL. COORDINATE WITH MECHANICAL FOR FINAL REQUIREMENTS.

LUMINAIRE SCHEDULE

TYPE NO	DESCRIPTION / SPEC NO	TOTAL WATTS	VOLT	MOUNTING	NOTES
A2	2X4 - FLAT PANEL - 4000 LUMENS LITHONIA CLX 2X4 4000LM 80CRI 30K SWL MIN10 ZT MVOLT	37 VA	MVOLT	CEILING	
A5E	2X2 - FLAT PANEL - 3200 LUMENS LITHONIA CLX 2X2 3200LM 80CRI 30K SWL MIN10 ZT MVOLT E10WLCP	31 VA	MVOLT	CEILING	
B2	2X4 - BASKET - 4000 LUMENS LITHONIA STAK 2X4 4000LM 80CRI 30K COLT MIN1 EZT MVOLT	34 VA	MVOLT	CEILING	
B2E	2X4 - BASKET - 4000 LUMENS LITHONIA STAK 2X4 4000LM 80CRI 30K COLT MIN1 EZT MVOLT E10WLCP	34 VA	MVOLT	CEILING	
B3	2X4 - BASKET - 5000 LUMENS LITHONIA STAK 2X4 5000LM 80CRI 30K COLT MIN1 EZT MVOLT	42 VA	MVOLT	CEILING	
B3E	2X4 - BASKET - 5000 LUMENS LITHONIA STAK 2X4 5000LM 80CRI 30K COLT MIN1 EZT MVOLT E10WLCP	42 VA	MVOLT	CEILING	
B4	2X4 - BASKET - 6000 LUMENS LITHONIA STAK 2X4 6000LM 80CRI 30K COLT MIN1 EZT MVOLT	51 VA	MVOLT	CEILING	
B4E	2X4 - BASKET - 6000 LUMENS LITHONIA STAK 2X4 6000LM 80CRI 30K COLT MIN1 EZT MVOLT E10WLCP	51 VA	MVOLT	CEILING	
B7	2X2 - BASKET - 3000 LUMENS LITHONIA STAK 2X2 3000LM 80CRI 30K COLT MIN1 EZT MVOLT	25 VA	MVOLT	CEILING	
B8	2X2 - BASKET - 4000 LUMENS LITHONIA STAK 2X2 4000LM 80CRI 30K COLT MIN1 EZT MVOLT	34 VA	MVOLT	CEILING	
B8E	2X2 - BASKET - 4000 LUMENS LITHONIA STAK 2X2 4000LM 80CRI 30K COLT MIN1 EZT MVOLT E10WLCP	34 VA	MVOLT	CEILING	
C1	6" RECESSED CAN - 1000 LUMENS LITHONIA LDN6 30 10 LO6 AR LSS MVOLT EZ1	13 VA	MVOLT	CEILING	
C2	6" RECESSED CAN - 2000 LUMENS LITHONIA LDN6 30 20 LO6 AR LSS MVOLT EZ1	23 VA	MVOLT	CEILING	
C3	6" RECESSED CAN - 3000 LUMENS LITHONIA LDN6 30 30 LO6 AR LSS MVOLT EZ1	35 VA	MVOLT	CEILING	
C05	6" RECESSED CAN - 500 LUMENS LITHONIA LDN6 30 05 LO6 AR LSS MVOLT EZ1	6 VA	MVOLT	CEILING	
I1	INDUSTRIAL STRIP LED - 4' - 5000 LUMEN - ZL1N LITHONIA ZL1N L48 5000LM FST MVOLT 30K 80CRI WH ZACVH	34 VA	MVOLT	SURFACE / CABLE	
I1E	INDUSTRIAL STRIP LED - 4' - 5000 LUMEN - ZL1N - EMERGENCY LITHONIA ZL1N L48 5000LM FST MVOLT 30K 80CRI E10W WH ZACVH	34 VA	MVOLT	SURFACE / CABLE	
I2	INDUSTRIAL STRIP LED - 4' - 7000 LUMEN - ZL1N LITHONIA ZL1N L48 7000LM FST MVOLT 30K 80CRI WH ZACVH	52 VA	MVOLT	SURFACE / CABLE	
I2E	INDUSTRIAL STRIP LED - 4' - 7000 LUMEN - ZL1N - EMERGENCY LITHONIA ZL1N L48 7000LM FST MVOLT 30K 80CRI E10W WH ZACVH	52 VA	MVOLT	SURFACE / CABLE	
P1	PENDANT CYLINDER - 6" - 2000 LUMEN EVO6CC 27 20 AR WD LSS MVOLT EZ1 JBX CCAN C120 DNA	20 VA	MVOLT	PENDANT	1
P2	PENDANT CYLINDER - 6" - 2000 LUMEN EVO6CC 27 20 AR WD LSS MVOLT EZ1 JBX CCAN C120 DNA	20 VA	MVOLT	PENDANT	1
P3	LINEAR PENDANT - 8' - 6400L MARK ARCHITECTURAL S4PD 8FT 90CRI 27K 800LMF STD MIN1 FLL MVOLT SLVT ZT	51 VA	MVOLT	PENDANT	1,3
P4	LINEAR PENDANT - 8' - 9600L MARK ARCHITECTURAL S4PD 8FT 90CRI 27K 1200LMF STD MIN1 FLL MVOLT SLVT ZT	80 VA	MVOLT	PENDANT	1,3
P5	LINEAR PENDANT - 8' - 12000L MARK ARCHITECTURAL S4PD 8FT 90CRI 27K 1500LMF STD MIN1 FLL MVOLT SLVT ZT	105 VA	MVOLT	PENDANT	1,3
P6	LINEAR PENDANT - 6' - 7200L MARK ARCHITECTURAL S4PD 6FT 90CRI 27K 1200LMF STD MIN1 FLL MVOLT SLVT ZT	60 VA	MVOLT	PENDANT	1,3
P7	SCHOOLHOUSE ROUND GLASS PENDANT OCL SC1 P1AA 18 WG BKP LED2 27K UNV 36 DM1	25 VA	MVOLT	PENDANT	1
P8	3' PENDANT BIRD KONCEPT ZBP 36 B 2700 MTB RTM	45 VA	120 V	PENDANT	1
P10	LINEAR PENDANT - 6' - 8400L MARK ARCHITECTURAL S4PD 6FT 90CRI 27K 1400LMF STD MIN1 FLL MVOLT SLVT ZT	72 VA	MVOLT	PENDANT	1,3
S1	STAIR LINEAR PENDANT LITHONIA BLWP 60L PDSMT MVOLT EZ1 LP830 N100 NESPDT7ADCX E10WLCP	49 VA	MVOLT	PENDANT	1
X1EL	EXIT SIGN - EDGE LIT LITHONIA EDG R RW EL	4 VA	MVOLT	WALL / CEILING	

LUMINAIRE SCHEDULE GENERAL NOTES:

A. ALL EQUIPMENT SCHEDULED ARE BASIS OF DESIGN - ONLY. EQUIVALENT SUBMITTALS SHALL BE EVALUATED AND APPROVED BY THE NATIONAL PARK SERVICE.

B. ALL ACUITY BRANDS NLIGHT EQUIPMENT SCHEDULED AND SPECIFIED ARE BASIS OF DESIGN - ONLY. EQUIVALENT SUBMITTALS SHALL BE REQUIRED TO BE ABLE TO CONNECT TO, AND FULLY INTEGRATE WITH THE EXISTING FIRST FLOOR NLIGHT LIGHTING CONTROL SYSTEM, INCLUDING THE NLIGHT ECLYPSE CONTROL SYSTEM. ALL AVAILABLE NLIGHT FUNCTIONS MUST BE OPERABLE AND FUNCTIONAL FOR SECOND AND THIRD FLOOR SCOPE AREAS. EQUIVALENT SUBMITTALS SHALL BE EVALUATED AND APPROVED BY THE NATIONAL PARK SERVICE.

C. EQUIVALENT SUBMITTALS SHALL INCLLUDE ALL MATCHING CHARACTERISTICS FOR LUMINAIRE OPTIONS, INCLUDING LUMEN OUTPUT, COLOR TEMPERATURE, LIGHTING CONTROL, AND FEATURES.

LUMINAIRE SCHEDULE NOTES:

1. VERIFY CABLE / CHAIN LENGTH AND ADJUST ACCORDINGLY.

2. COORDINATE MOUNTING HEIGHT BEFORE ROUGH-IN.

3. PROVIDE E10WLCP BATTERY PACK, AND EMERGENCY SECTION FOR EMERGENCY LUMINAIRES, AS SHOWN ON PLANS. SEE PLANS FOR LOCATIONS AND QUANTITIES.

LICENSED PROFESSIONAL ENGINEER
JONATHAN FANT
062-069044
OF ILLINOIS
09/16/2025
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Extg Branch Panel: PP-2

Location: ELEC 221 | **Volts:** 480Y/277 | **A.I.C. Rating:** UNKNOWN
Supply From: MDP-A | **Phases:** 3 | **MLO / MCB:** MCB
Mounting: SURFACE | **Wires:** 4 | **FCB / MCB Rating:** 250 A

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
1	T2	20 A	3	13948	0					3	20 A	(E) SPARE	2
3	--	--	--			12976	0			--	--	--	4
5	--	--	--					12636	0	--	--	--	6
7	EWH-2-1 - RM 204	20 A	3	6000	0					3	20 A	(E) SPARE	8
9	--	--	--			6000	0			--	--	--	10
11	--	--	--					6000	0	--	--	--	12
13	(E) SPARE	20 A	3	0	0					3	20 A	(E) SPARE	14
15	--	--	--			0	0			--	--	--	16
17	--	--	--					0	0	--	--	--	18
19	(E) SPARE	20 A	3	0	0					3	20 A	(E) SPARE	20
21	--	--	--			0	0			--	--	--	22
23	--	--	--					0	0	--	--	--	24
25	(E) SPARE	20 A	3	0	3542					1	20 A	LTG INTERIOR SOUTH HALF, SOUTH STAIRS	26
27	--	--	--			0	2725			1	20 A	LTG DISPLAY 208, NORTH STAIRS	28
29	--	--	--					0	0	1	20 A	(E) SPARE	30
31	P-M-2.1	15 A	3	1330	0					1	20 A	(E) SPARE	32
33	--	--	--			1330	0			1	20 A	(E) SPARE	34
35	--	--	--					1330	0	1	20 A	(E) SPARE	36
37	P-M-1.1	15 A	3	1330	0					1	20 A	(E) SPARE	38
39	--	--	--			1330	0			1	20 A	(E) SPARE	40
41	--	--	--					1330	0	1	20 A	(E) SPARE	42
		Total Load:		26151 VA		24362 VA		21297 VA					
		Total Amps:		96 A		90 A		77 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LTG	6267 VA	100.00%	6267 VA	**Total Est. Demand:**	67059 VA
REC	19140 VA	76.12%	14570 VA	**Total Est. Demand Current (100% Rated):**	81 A
EQP_CONT	35042 VA	100.00%	35042 VA		
EQP_NON CONT	9800 VA	100.00%	9800 VA	**Non-Cont. Current @ 100%:**	31 A
NOT DEFINED	360 VA	100.00%	360 VA	**Continuous Current @ 125%:**	62 A
EQP_INT	1200 VA	85.00%	1020 VA		
				Total Est. Demand Current (80% Rated):	93 A

Legend:
FCB: Feeder Circuit Breaker
GFI: GFCI Circuit Breaker
LOCK: Lockable Circuit Breaker
MCB: Main Circuit Breaker
MCCB: Molded Case Circuit Breaker
MLO: Main Lug Only
(E): Existing Circuit Breaker

Notes:

Extg Branch Panel: RP-2

Location: ELEC 221 | **Volts:** 208Y/120 | **A.I.C. Rating:** UNKNOWN
Supply From: T2 | **Phases:** 3 | **MLO / MCB:** MCB
Mounting: SURFACE | **Wires:** 4 | **FCB / MCB Rating:** 100 A

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
1	REC - RM 222	20 A	1	360	0					1	20 A	(E) SPARE	2
3	REC - RM 222	20 A	1			360	0			1	20 A	(E) SPARE	4
5	REC - RM 210 - PRINTER	20 A	1					180	0	1	20 A	(E) SPARE	6
7	HD-1 - RM 212	20 A	1	1500	0					1	20 A	(E) HVAC CONTROLLER	8
9	HD-1 - RM 213	20 A	1			1500	0			1	20 A	(E) NAC PANELS	10
11	HD-1 - RM 214	20 A	1					1500	0	1	20 A	SPARE	12
13	HD-1 - RM 215	20 A	1	1500	0					1	20 A	SPARE	14
15	MD-1 - RM 208	20 A	1			500	0			1	20 A	(E) LTG - EXIT SIGNS	16
17	(E) LTG - MEZZ. NORTH	20 A	1					0	0	1	20 A	(E) SPARE	18
19	(E) LTG - MEZZ. SOUTH	20 A	1	0	168					1	15 A	DWCP-1 - RM 204	20
21	MD-1 - RM 208	20 A	1			600	--			1	--	SPACE	22
23	AUTOMATIC FLUSH VALVES - RM 213	20 A	1					1500	0	1	20 A	(E) UHM-1	24
25	(E) SPARE	20 A	1	0	--					1	--	SPACE	26
27	(E) SPARE	20 A	1			0	0			1	20 A	(E) PM-3	28
29	(E) SPARE	20 A	1					0	0	1	20 A	(E) UHM-2	30
31	(E) PM-2	20 A	1	0	0					1	20 A	(E) BM-2	32
33	(E) SPARE	20 A	1			0	0			1	20 A	(E) BM-1	34
35	(E) SPARE	20 A	1					0	0	1	20 A	(E) PM-1	36
37	(E) SPARE	20 A	1	0	0					1	20 A	(E) PM-4	38
39	(E) SPARE	20 A	1			0	0			1	20 A	(E) PM 1.1	40
41	(E) LTG - STAIRWELL	20 A	1					0	0	1	20 A	(E) PM 2.1	42
		Total Load:		3528 VA		2960 VA		3180 VA					
		Total Amps:		30 A		25 A		27 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
REC	900 VA	100.00%	900 VA	**Total Est. Demand:**	9668 VA
EQP_CONT	168 VA	100.00%	168 VA	**Total Est. Demand Current (100% Rated):**	27 A
EQP_NON CONT	8600 VA	100.00%	8600 VA		
				Non-Cont. Current @ 100%:	26 A
				Continuous Current @ 125%:	1 A
				Total Est. Demand Current (80% Rated):	27 A

Legend:
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GFI: GFCI Circuit Breaker
LOCK: Lockable Circuit Breaker
MCB: Main Circuit Breaker
MCCB: Molded Case Circuit Breaker
MLO: Main Lug Only
(E): Existing Circuit Breaker

Notes:

Branch Panel: RP-2A

Location: ELEC 221 | **Volts:** 208Y/120 | **A.I.C. Rating:** 10,000
Supply From: T2 | **Phases:** 3 | **MLO / MCB:** MCB
Mounting: SURFACE | **Wires:** 4 | **FCB / MCB Rating:** 225 A

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
1	REC - PARTNER EXEC OFFICE 209	20 A	1	720	900					1	20 A	REC - DISPLAY 208	2
3	REC - PARTNER COLLAB 210	20 A	1			720	720			1	20 A	REC - DISPLAY 208	4
5	REC - CONFERENCE ROOM 207	20 A	1					540	360	1	20 A	MOTORIZED SCREENS - DISPLAY 208	6
7	REC - PROJECTOR - DISPLAY 208	20 A	1	1200	720					1	20 A	REC - PARTNER OFFICE 211	8
9	REC - PROJECTOR - DISPLAY 208	20 A	1			1200	540			1	20 A	REC - COLLAB 218	10
11	REC - PARTNER OFFICE 211	20 A	1					540	900	1	20 A	REC - CORRIDOR 206	12
13	REC - RR 212	20 A	1	360	1500					1	20 A	REC - WASHER - JANITOR 204	14
15	REC - CORRIDOR 216	20 A	1			1080	2496			2	20 A	DRYER - JANITOR 204	16
17	REC - COPIER - NPS OFFICES 217	20 A	1					1200	2496	--	--	--	18
19	REC - DISPLAY 208	20 A	1	1080	720					1	20 A	REC - NPS OFFICES 217	20
21	REC - RR 214	20 A	1			360	360			1	20 A	REC - NPS OFFICES 217	22
23	REC - NPS OFFICES 217	20 A	1					720	900	1	20 A	REC - KITCHENETTE 205	24
25	REC - NPS KITCHENETTE 201	20 A	1	540	1200					1	20 A	REC - MICRO - NPS KITCHENETTE 201	26
27	FRIDGE - NPS KITCHENETTE 201	20 A	1			800	1200			1	20 A	DISHWASHER - NPS KITCHENETTE 201	28
29	REC - NPS KITCHENETTE 201	20 A	1					360	1260	1	20 A	REC - ASST SUPT 219	30
31	REC - SUPT 220	20 A	1	1080	400					1	20 A	FIRE SMOKE DAMPERS - 2ND / 3RD FLRS	32
33	REC - NPS OFFICES 217	20 A	1			540							34
35	REC - EWC - CORRIDOR 216 (GFI)	20 A	1					180					36
37													38
39													40
41													42
		Total Load:		10420 VA		10016 VA		9456 VA					
		Total Amps:		88 A		84 A		79 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
REC	18240 VA	77.41%	14120 VA	**Total Est. Demand:**	25592 VA
EQP_CONT	8892 VA	100.00%	8892 VA	**Total Est. Demand Current (100% Rated):**	71 A
EQP_NON CONT	1200 VA	100.00%	1200 VA		
NOT DEFINED	360 VA	100.00%	360 VA	**Non-Cont. Current @ 100%:**	45 A
EQP_INT	1200 VA	85.00%	1020 VA	**Continuous Current @ 125%:**	31 A
				Total Est. Demand Current (80% Rated):	76 A

Legend:
FCB: Feeder Circuit Breaker
GFI: GFCI Circuit Breaker
LOCK: Lockable Circuit Breaker
MCB: Main Circuit Breaker
MCCB: Molded Case Circuit Breaker
MLO: Main Lug Only
EXTG: Existing Circuit Breaker

Notes:

PANEL SCHEDULES REPRESENT A TOTAL FOR ALL CONSTRUCTION OPTIONS COMBINED, AS THE MAXIMUM POSSIBLE TOTAL CONNECTED LOAD. IF OPTIONS ARE NOT ADOPTED BY THE OWNER, THE TOTAL CONNECTED LOAD WILL BE REDUCED FROM WHAT IS SHOWN.

LICENSED PROFESSIONAL ENGINEER
JONATHAN FANT
062-069044
OF ILLINOIS
08/22/2025
LICENSE EXP. 11/30/2025

FINAL CONSTRUCTION DOCUMENTS - 08/13/2025

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REVISED	
DATE	INITIAL

PREPARED: KJS/JEF (DESIGNED)
KJS/JEF (DRAWN)
JEF/JCB (CHECKED)
08/13/2025 (DATE)

TITLE OF SHEET
ELECTRICAL PANEL SCHEDULES
PULLMAN NATIONAL MONUMENT ADIMINISTRATION CLOCK TOWER BUILDING 2ND & 3RD FLOOR RENOVATION
11057 SOUTH COTTAGE GROVE AVENUE
CHICAGO, ILLINOIS 60628

ARCH/ENG PROJ # 009258.009
SUB SHEET NO. **E701**
DRAWING NO. 590 / 80000
PMIS / PKG. NO. **307087**
SHEET **65** OF **66**

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Extg Branch Panel: PP-3

Location: ELEC 312 | **Volts:** 480Y/277 | **A.I.C. Rating:** UNKNOWN
Supply From: MDP-A | **Phases:** 3 | **MLO / MCB:** MCB
Mounting: SURFACE | **Wires:** 4 | **FCB / MCB Rating:** 250 A

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
1	(E) PNLBD. RP-3 VIA T3	50 A	3	3871	12083					3	80 A	RTU-R-1 - ROOF	2
3	--	--	--			5596	12083			--	--	--	4
5	--	--	--					6041	12083	--	--	--	6
7	ELEVATOR	80 A	3	9422	3176					3	20 A	RTU-R-2 - ROOF (OPTION 6)	8
9	--	--	--			9422	3176			--	--	--	10
11	--	--	--					9422	3176	--	--	--	12
13	LTG - THIRD FLOOR	20 A	1	4159	2885					3	15 A	RTU-R-3 - ROOF (OPTION 6)	14
15	(E) SPARE	20 A	1			0	2885			--	--	--	16
17	(E) SPARE	20 A	1					0	2885	--	--	--	18
19	(E) SPARE	20 A	1	0	1607					3	15 A	HP-R-1 - ROOF (OPTION 6)	20
21	(E) SPARE	20 A	1			0	1607			--	--	--	22
23	(E) SPARE	20 A	1					0	1607	--	--	--	24
25	(E) SPARE	20 A	3	0	0					3	20 A	(E) SPARE	26
27	--	--	--			0	0			--	--	--	28
29	--	--	--					0	0	--	--	--	30
31	(E) SPARE	20 A	3	0	0					3	20 A	(E) SPARE	32
33	--	--	--			0	0			--	--	--	34
35	--	--	--					0	0	--	--	--	36
37	(E) SPARE	20 A	3	0	0					3	20 A	(E) SPARE	38
39	--	--	--			0	0			--	--	--	40
41	--	--	--					0	0	--	--	--	42
		Total Load:		37203 VA		34769 VA		35214 VA					
		Total Amps:		135 A		126 A		127 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LTG	4159 VA	100.00%	4159 VA	**Total Est. Demand:**	107187 VA
REC	2880 VA	100.00%	2880 VA	**Total Est. Demand Current (100% Rated):**	129 A
EQP_CONT	55823 VA	100.00%	55823 VA		
EQP_NON CONT	44325 VA	100.00%	44325 VA	**Non-Cont. Current @ 100%:**	57 A
				Continuous Current @ 125%:	90 A
				Total Est. Demand Current (80% Rated):	147 A

Legend:
FCB: Feeder Circuit Breaker
GFI: GFCI Circuit Breaker
LOCK: Lockable Circuit Breaker
MCB: Main Circuit Breaker
MCCB: Molded Case Circuit Breaker
MLO: Main Lug Only
(E): Existing Circuit Breaker

Notes:

Extg Branch Panel: RP-3

Location: ELEC 312 | **Volts:** 208Y/120 | **A.I.C. Rating:** UNKNOWN
Supply From: T3 | **Phases:** 3 | **MLO / MCB:** MCB
Mounting: SURFACE | **Wires:** 4 | **FCB / MCB Rating:** 100 A

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
1	(E) REC - 3RD FLOOR	20 A	1	0	0					1	20 A	(E) LTG - 3RD FLOOR	2
3	(E) EXHAUST FAN	20 A	1			0	0			1	20 A	(E) LTG - 3RD FLOOR	4
5	(E) REC - ROOF	20 A	1					0	0	1	20 A	(E) LTG - 3RD FLOOR	6
7	(E) CLOCK	40 A	2	0	0					1	20 A	(E) LTG - 3RD FLOOR	8
9	--	--	--			0	0			1	20 A	(E) LTG - 3RD FLOOR	10
11	REC - RM 311	20 A	1					360	0	1	20 A	(E) LTG - 3RD FLOOR	12
13	(E) EXHAUST FAN	20 A	1	0	0					1	20 A	(E) LTG - 3RD FLOOR	14
15	REC - ROOF	20 A	1			900	0			1	20 A	(E) LTG - EXIT SIGNS - 3RD FLOOR	16
17	TEF-R2 - ROOF	15 A	1					696	0	1	20 A	SPARE	18
19	TEF-R3 - ROOF (OPTION 6)	15 A	1	696	0					1	20 A	SPARE	20
21	REC - RM 307, 308 (OPTION 6)	20 A	1			360	0			1	20 A	SPARE	22
23	REC - RM 305, 306 (OPTION 6)	20 A	1					360	360	1	20 A	REC - RM 317	24
25	REC - RM 304	20 A	1	360	180					1	20 A	REC - EWC - RM 304 (GFI)	26
27	HD-1 - RM 308 (OPTION 6)	20 A	1			1500	71			1	20 A	DBF-3-1 - DRYER BOOSTER FAN	28
29	HD-1 - RM 307 (OPTION 6)	20 A	1					1500	0	1	20 A	SPARE	30
31	HD-1 - RM 306 (OPTION 6)	20 A	1	1500	0					1	20 A	SPARE	32
33	HD-1 - RM 305 (OPTION 6)	20 A	1			1500	0			1	20 A	SPARE	34
35	AUTOMATIC FLUSH VALVES - RM 306	20 A	1					1500	0	1	20 A	SPARE	36
37	F-3-1 - RM 319	15 A	1	1135	0					1	20 A	SPARE	38
39	F-3-2 - RM 303	15 A	1			1265	0			1	20 A	SPARE	40
41	F-3-3 - RM 303	15 A	1					1265	0	1	20 A	SPARE	42
		Total Load:		3871 VA		5596 VA		6041 VA					
		Total Amps:		32 A		49 A		53 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
REC	2880 VA	100.00%	2880 VA	**Total Est. Demand:**	15508 VA
EQP_CONT	1392 VA	100.00%	1392 VA	**Total Est. Demand Current (100% Rated):**	43 A
EQP_NON CONT	11236 VA	100.00%	11236 VA		
				Non-Cont. Current @ 100%:	39 A
				Continuous Current @ 125%:	5 A
				Total Est. Demand Current (80% Rated):	44 A

Legend:
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PMIS / PKG. NO. **307087**
SHEET **66** OF **66**

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