Intermountain Health

LOGAN REGIONAL HOSPITAL

PET/CT

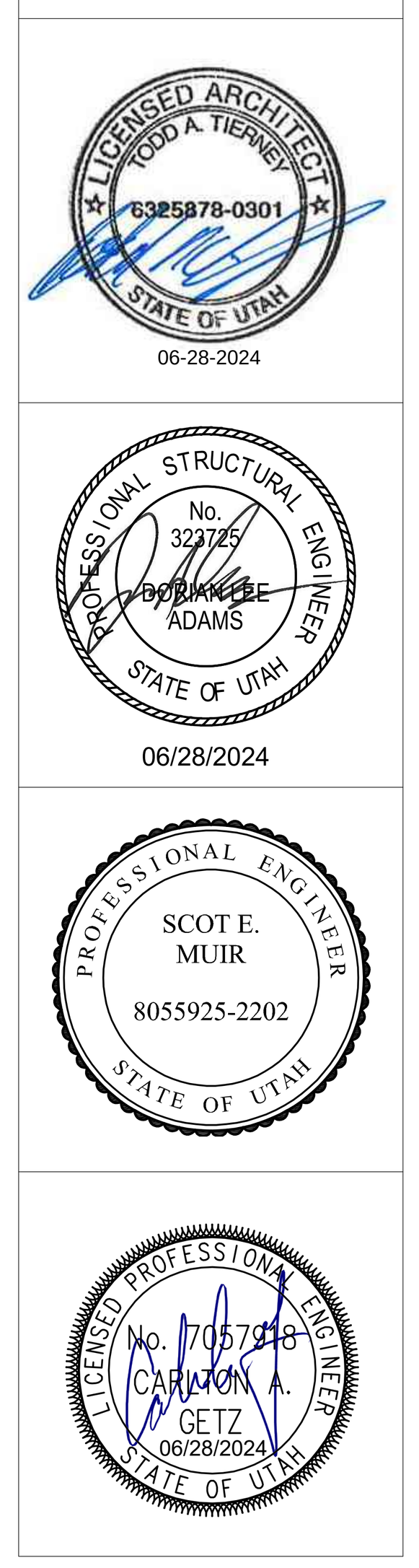
100% CONSTRUCTION DOCUMENTS

Project No. 10394230

500E 1400N
LOGAN, UT 84341

Date: 06/28/2024

STAMPS



OWNER	**INTERMOUNTAIN HEALTHCARE** 36 SOUTH STATE STREET 23RD FLOOR SALT LAKE CITY, UT 84111
ARCHITECT	**HDR ARCHITECTURE, P.C.** 201 CALIFORNIA ST. SUITE 1500 SAN FRANCISCO, CA 94111
STRUCTURAL ENGINEER	**REAVELEY ENGINEERS & ASSOCIATES** 675 EAST 500 SOUTH, SUITE 400 SALT LAKE CITY, UT 84102
MECHANICAL/ PLUMBING ENGINEER	**VAN BOERUM & FRANK ASSOCIATES, INC.** 330 SOUTH 300 EAST SALT LAKE CITY, UT 84111
ELECTRICAL ENGINEER	**SPECTRUM ENGINEERS** 324 SOUTH STATE STREET, SUITE 400 SALT LAKE CITY, UT 84111

INDEX OF DRAWINGS

PROJECT INFORMATION

FIT OUT OF EXISTING SHELL SPACE ON LEVEL 1 OF RECENTLY COMPLETED BUILDING ADDITION FOR THE USE OF:
- PET CT PROCEDURE ROOM
- PET CT CONTROL ROOM
- PET CT EQUIPMENT ROOM

APPLICABLE CODES

IBC: INTERNATIONAL BUILDING CODE 2021

IFC: INTERNATIONAL FIRE CODE 2021

IPC: INTERNATIONAL PLUMBING CODE 2021

IMC: INTERNATIONAL MECHANICAL CODE 2021

IEC: INTERNATIONAL ELECTRICAL CODE 2020

IFGC: INTERNATIONAL FUEL GAS CODE 2021

IECC: INTERNATIONAL ENERGY CONSERVATION CODE

UTAH ADMINISTRATIVE CODE R710, PUBLIC SAFETY

UTAH ADMINISTRATIVE CODE R432-4 GENERAL CONSTRUCTION

NFPA 101, 2012 EDITION

NFPA 99, 2021 EDITION

ICC A117.1 2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

2010 ADA STANDARDS

FGI 2010

EXISTING BUILDING INFORMATION

EXISTING TOWER BUILDING

LAND USE: COMMERCIAL (COM) ZONE; TIN-05-16-0028 ADAMS NEIGHBORHOOD

NUMBER OF STORIES (EXISTING): 4
CONSTRUCTION TYPE: TYPE I-A
EXISTING OCCUPANCY TYPES:
LEVEL 1: MIXED OCCUPANCY A-2 & B, SEPARATED
A-2 & I-2 NON-SEPARATED
LEVEL 2 & 3: I-2
LEVEL 4: B & U (PENTHOUSE) SEPARATED

PROTECTION: FULLY SPRINKLERED, FIRE ALARM

ALLOWABLE BUILDING HEIGHT PER IBC TABLE 504.3: Unlimited
ALLOWABLE NUMBER OF STORIES PER IBC TABLE 504.4: Unlimited

PROJECT EXISTING BUILDING HEIGHTS:
LEVEL 01 16'-0"
LEVEL 02 16'-0"
LEVEL 03 16'-0"
LEVEL 04 ADMIN - 15'-0" (B) PENTHOUSE(U) 19'-8"

TOTAL EXISTING BUILDING HEIGHT: 67'-9 1/2" + 42" PARAPET

PER IBC CHAPTER 3 DEFINITIONS, BUILDING AREA IS DEFINED AS THE AREA INCLUDED WITHIN SURROUNDING EXTERIOR WALLS EXCLUSIVE OF VENT SHAFTS AND COURTS.

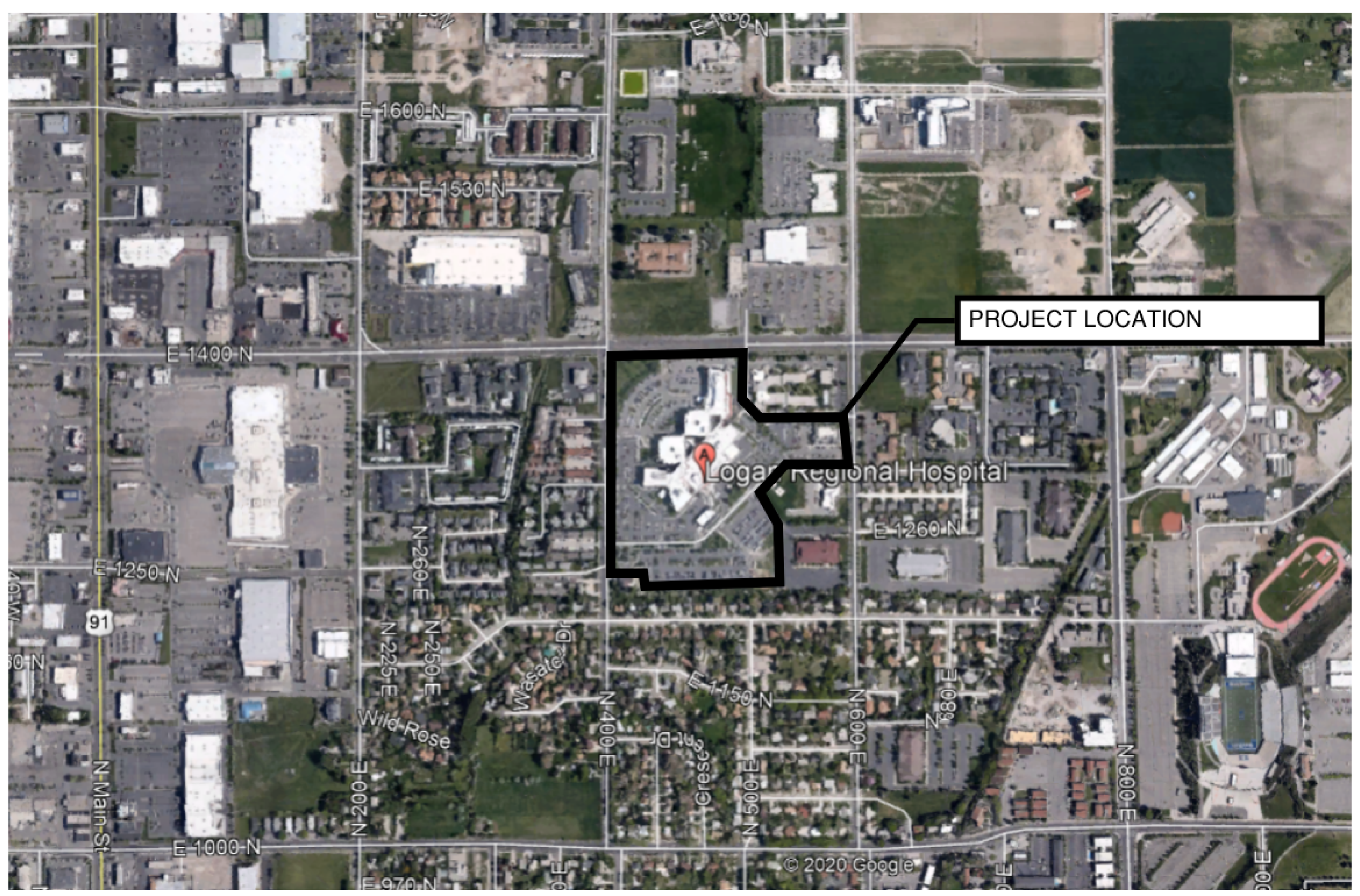
EXISTING BUILDING AREAS:

INPATIENT BED TOWER LEVEL ONE: 42,328 SF

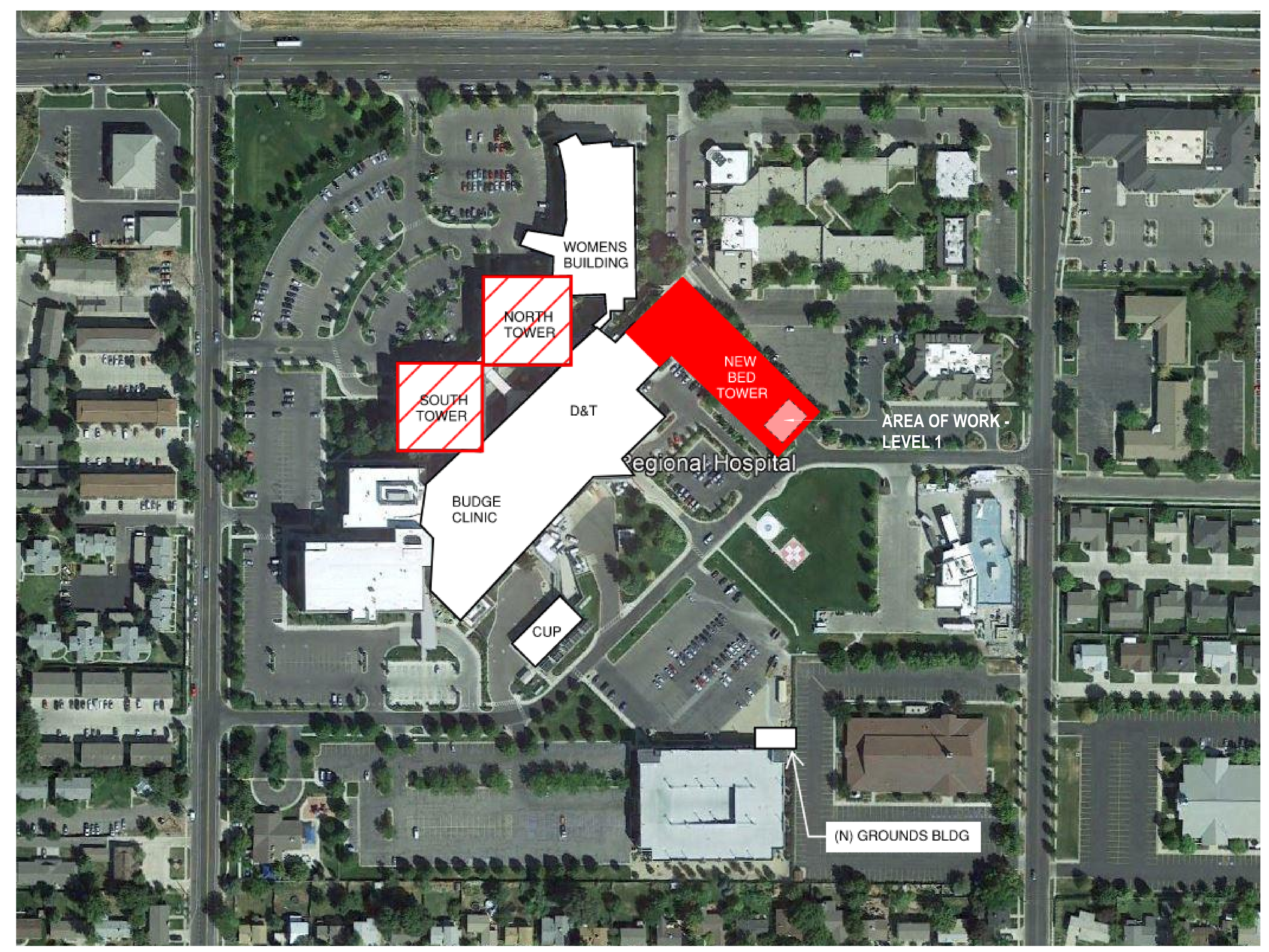
SCOPE OF WORK:

AREA OF FITOUT LEVEL ONE: 765 SF

PROJECT LOCATION



VICINITY MAP



FIRE RESISTIVE RATING REQUIREMENTS

CONSTRUCTION TYPE 1-A

PRIMARY STRUCTURAL FRAME:	3 HOUR, 2 HOUR AT ROOF ONLY
EXTERIOR BEARING WALLS:	3 HOUR
INTERIOR BEARING WALLS:	3 HOUR, 2 HOUR AT ROOF ONLY
NONBEARING WALLS AND PARTITIONS:	0 HOUR
FLOOR CONSTRUCTION AND SECONDARY MEMBERS:	2 HOUR
ROOF CONSTRUCTION AND SECONDARY MEMBERS:	1 1/2 HOUR

DEFERRED SUBMITTALS

1. FIRE PROTECTION / SPRINKLERS
2. FIRE ALARM SYSTEM

HDR

HDR ARCHITECTURE P.C.
SUITE 1500
201 CALIFORNIA ST.
SAN FRANCISCO, CA
94111

LOGAN REGIONAL HOSPITAL PET/CT

500E 1400N
LOGAN, UT 84341

Intermountain Health

Project Manager	BEN HICKMAN
Project Health Planner	ANNETTE HIMELICK
Project Architect	BEN HICKMAN
Landscape Architect	N/A
Civil Engineer	N/A
Structural Engineer	DORIAN ADAMS
Mechanical Engineer	SCOT MUIR
Electrical Engineer	CARLTON GETZ
Plumbing Engineer	SCOT MUIR
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

Project Number 10394230
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Sheet Name
COVER SHEET - PROJECT INFORMATION

Sheet Number
G-001

Project Status
100% CONSTRUCTION DOCUMENTS

6/28/2024 11:41:22 AM Autodesk Docs://10394230_LRH PET-CT/10394230_A_LRH PET-CT.rvt
00.000 GENERAL

ABBREVIATIONS

AB	ANCHOR BOLT, AIR BARRIER
A/C	AIR CONDITIONER, AIR CONDITIONING
AC	ARCHITECTURAL CASEWORK, ASPHALTIC CONCRETE
ACC	ACCESSIBLE (ADA)
ACH	AIR CHANGES PER HOUR
ACIP	ARCHITECTURAL CAST IN PLACE CONCRETE
ACST	ACOUSTIC
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN, AUTOMATIC DAMPER
ADJ	ADJUST, ADJUSTABLE
ADM	ADMIN
A/E	ARCHITECT/ENGINEER
AF	ACCESS FLOORING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALC	ALCOVE
ALT	ALTERNATE
AM	ACOUSTICAL MATERIAL
AMP	AMPLIFIER
ANN	ANNUNCIATOR
ANOD	ANODIZED
ANT	ANTENNA
AP	ACCESS PANEL
APC	ARCHITECTURAL PRECAST CONCRETE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
ATF	ATHLETIC FLOORING
ATM	AUTOMATIC TELLER MACHINE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AWC	ACRYLIC WALL COATING
BO	BOTTOM
B TO B	BACK TO BACK
BRTRC	BARIATRIC
BAS	BUILDING AUTOMATION SYSTEM
BD	BOARD
BF	BAMBOO FLOORING
BFP	BACKFLOW PREVENTER
BKR	BREAKER
BKT	BRACKET
BL	BED LOCATOR, BASELINE
BLDG	BUILDING
BLK	BLOCK, BLOCKING
BM	BEAM
BOF	BOTTOM OF FOOTING
BP	BASE PLATE
BR	BULLET RESISTIVE
BRK	BREAK
BRG	BEARING
BRZ	BRONZE
BS	BARIUM SINK
BSMT	BASEMENT
BT	BATHTUB
BUR	BUILT-UP ROOF
C&G	CURB AND GUTTER
CA	CARDIAC ARREST
CAC	CUSTOM ACOUSTICAL CEILING
CANT	CANTILEVER
CAP	CAPACITY
CATV	COMMUNITY ANTENNA TELEVISION
CB	CHALKBOARD, CATCH BASIN
CCT	CUBICAL CURTAIN TRACK
CCTV	CLOSED CIRCUIT TELEVISION
CCW	COUNTER CLOCKWISE
CD	COILING DOOR
CEM	CEMENT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFS	CONCRETE FLOOR SEALER
CFWC	COMPOSITE FIBER WALL COVERING
CG	CORNER GUARD, COILING GRILLE
CGU	GLAZED UNITS
CI	CAST IRON
CIP	CAST IN PLACE
CIR	CIRCULATING
CIRC	CIRCULATION
CJ	CONTROL JOINT
CKS	CONTROL KEY SWITCH
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CNTRL	CONTROL
CM	CONSTRUCTION MANAGER
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
COND	CONDITION
CONF	CONFERENCE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CP	CONCRETE PIPE
CPR	CHANGE PROPOSAL REQUEST
CPT	CARPET
CPTT	CARPET TILE
CPU	CENTRAL PROCESSOR UNIT
CR	CRASH RAIL
CRIT	CRITICAL
CS	COUNTER SHUTTER
CSK	COUNERSUNK
CSS	CLINICAL SERVICE SINK
CSV	CUSHIONED SHEET VINYL
CT	CERAMIC TILE
CTR	CENTER
CTRL	CENTRAL
CU	COPPER
CUH	CABINET UNIT HEATER
CULV	CULVERT
CVRD	COVERED
CW	CLOCKWISE
CWB	CAPILLARY WATER BARRIER
CWS	CURTAIN WALL SYSTEM

D	DEPTH
DB	DECIBEL
DBL	DOUBLE
DDC	DIRECT DIGITAL CONTROL
DEMO	DEMOLITION, DEMOLISH
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFERENCE
DIM	DIMENSION
DISP	DISPENSER
DL	DEAD LOAD
DLF	DECORATIVE LAMINATE FLOORING
DLO	DAYLIGHT OPENING
DN	DOWN
DCMTN	DOCUMENTATION
DP	DEW POINT
DPF	DECORATIVE POLYMER FABRICATION
DPS	DOOR POSITION SWITCH
DR	DRAIN
DS	DOWNSPOUT
DT	DRAIN TILE
DW	DISPLAY WALL
DWC	DRY ERASE WALL COVERING
DWD	DRINKING WATER DISPENSER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWL	DOWEL
DWV	DRAIN, WASTE AND VENT
EA	EXPANSION ANCHOR, EACH
EAH	EXHAUST HOOD
EE	ELECTRICAL ENGINEER
EEG	ELECTRO ENCEPHALOGRAPH
EF	EXHAUST FAN
EFF	EFFICIENCY
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EJC	EXPANSION JOINT COVER
EKG	ELECTRO CARDIOGRAPH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION, ELEVATOR
EM	EMERGENCY
ENGR	ENGINEER
EO	EXIT ONLY, ELECTRICALLY OPERATED
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPR	ETHYLENE PROPYLENE RUBBER
EQ	EQUAL
EQF	ENGINEERED QUARTZ FABRICATION
EQUIP	EQUIPMENT
ER	EMERGENCY ROOM
ES	EMERGENCY SHOWER
EST	ESTIMATE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION, EXPOSED
EXT	EXTERIOR
(F)	FEMALE
F TO F	FACE TO FACE
FA	FIRE ALARM
FABX	FIRE ALARM BOX
FAC	FACILITY
FC	FOOT CONTROL, FOOT CANDLE
FCO	FLOOR CLEAN OUT
FCS	FIRE COMMAND STATION
FCU	FAN COIL UNIT
FD	FIRE DAMPER, FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FDV	FIRE DEPARTMENT VALVE
FE	FIRE EXTINGUISHER, FINISHED END
FEC	FIRE EXTINGUISHER CABINET
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HOSE
FHC	FIRE HOSE CABINET
FHV	FIRE HOSE VALVE
FIG	FIGURE
FIN	FINISHED
FL	FLOOR
FLUOR	FLUORESCENT
FR	FIRE RATED, FIRE RETARDANT
FRL	FIBER-REINFORCED LAMINATE
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FLOOR SINK
FSK	FOIL SCRIM KRAFT
FT	FEET, FOOT
FTG	FOOTING
FURN	FURNISH
FUT	FUTURE
FV	FIELD VERIFY
FVC	FIRE VALVE CABINET
FXTR	FIXTURE
G	GROUND, GRILLE
GA	GAUGE, GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GF	GRANULAR FILL, GRANITE FLOORING
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFMU	GROUND FACE MASONRY UNIT
GFRC	GLASS FIBER REINFORCED CEMENT
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GR	GRADE
GUM	GLASS UNIT MASONRY
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H2O	WATER
HB	HOSE BIBB, HORIZONTAL BLINDS
HBC	HIGH BUILD GLAZED COATING
HD	HEAVY DUTY
HDG	HOT DIP GALVANIZED
HDPE	HIGH DENSITY POLYETHYLENE
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HOSP	HOSPITAL
HP	HIGH POINT, HORSE POWER
HPS	HIGH PRESSURE SODIUM
HR	HANDRAIL, HOUR
HSKP	HOUSEKEEPING
HT	HEIGHT
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HARDWARE GROUP, HOT WATER

IAQ	INDOOR AIR QUALITY
IC	INTERCOM
ID	INSIDE DIAMETER
INCAND	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
ISO	ISOLATION
IV	INTRAVENOUS
IVT	INTRAVENOUS TRACK
JC	JANITOR'S CLOSET
JNT	JANITITOR
JST	JOIST
JT	JOINT
KO	KNOCKOUT
KT	KEYBOARD TRAY
L	LENGTH
LAV	LAVATORY
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT EMITTING DIODE
LF	LIMESTONE FLOORING, LINEAR FEET
LIN	LINEAR, LINEAL
LL	LIVE LOAD, LEAD LINED
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMC	LINEAR METAL CEILING
LN	LINOLEUM
LCKR	LOCKER
LONG	LONGITUDINAL
LP	LOW POINT
LS	LIFE SAFETY, LANDSCAPE
LT	LIGHT
LV	LOW VOLTAGE
LW	LIGHTWEIGHT
LWIC	LIGHTWEIGHT INSULATING CONCRETE
(M)	MALE
M	METER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKERBOARD
MECH	MECHANICAL
MED	MEDICINE, MEDICAL
MET	METAL
MEZZ	MEZZANINE
MF	MARBLE FLOORING
MFR	MANUFACTURER
MGA	MEDICAL GAS ALARM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	METAL LAMINATE
MM	MILLIMETER
MNGMT	MANAGEMENT
MO	MASONRY OPENING
MOD	MODIFIED
MRGWB	MOLD & MOISTURE RESISTANT GYPSUM WALLBOARD
MS	MOP SINK, MOTION SENSOR
MSV	MANUFACTURED STONE VENEER
MTP	METAL TOILET PARTITION
MWP	METAL WALL PANEL
N2	NITROGEN
NA	NOT APPLICABLE
NAT	NATURAL
NC	NURSE CALL, NON-CORROSIVE
NDT	NON-DESTRUCTIVE TESTING
NEG	NEGATIVE
NET	NYLON ENTRANCE TILE
NFWC	NATURAL FIBER WALL COVERING
NIC	NOT IN CONTRACT
NO	NUMBER, NITROUS OXIDE
NOM	NOMINAL
NPS	NOMINAL PIPE SIZE
NRC	NOISE REDUCTION COEFFICIENT
NRS	NURES
NST	NATURAL STONE TILE
NTS	NOT TO SCALE
NWT	NORMAL WEIGHT
O2	OXYGEN
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW ROOF DRAIN
OF	OVERFLOW
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OR	OPERATING
PA	PUBLIC ADDRESS
PAT	PATIENT
PB	PUSH BUTTON
PBL	PUBLIC
PBX	PRIVATE BOARD EXCHANGE
PC	PORTLAND CEMENT
PCC	PORTLAND CEMENT CONCRETE
PCG	POLYCARBONATE CORNER GUARD
PCR	PROCEDURE
PE	POLYETHYLENE
PERF	PERFORATED
PERM	PERMANENT
PH	MEASURE OF ACIDITY/ALKALINITY
PHARM	PHARMACY
PHYS	PHYSICIAN
PL	PROPERTY LINE, PLATE, PLASTIC LAMINATE
PLBG	PLUMBING
PLY	POLYESTER
PNL	PANEL
PNT	PAINT
PNTE	PAINT (EPOXY)
PNTL	PAINT (LATEX)
PNTLO	PAINT (LOW-ODOR)
PNSR	PAINT (STAIN RESISTANT)
POL	POLISHED
PPM	PARTS PER MILLION
PR	PAIR
PRI	PRIVATE
PRL	PARALLEL
PROJ	PROJECT, PROJECTION
PROP	PROPERTY
PROT	PROTECTIVE, PROTECTION
PRV	POWERED ROOF VENTILATOR
PS	PLASTER SINK
PT	PORCELAIN TILE
PTR	PRINTER
PTS	PNEUMATIC TUBE STATION
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWD	PLYWOOD
QT	QUARRY TILE
QTB	QUARRY TILE BASE

R	RADIUS
RA	RETURN AIR
RAD	RADIOLOGY
RB	RESILIENT BASE
RCG	RECYCLED GLASS PORTLAND CEMENT COUNTERTOP
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
RCW	RIBBON WALL/ CURTAIN WALL
RD	ROOF DRAIN
REC	RECESS
RECP	RECPTACLE
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCEMENT
REM	REMOVABLE
REQD	REQUIRED
RESTR	RESTRICTED
RESUSC	RESUSCITATIONS
RET	RETAINING, RETURN
REV	REVISE, REVISION
RFI	REQUEST FOR INFORMATION
RFT	RUBBER FLOOR TILE
RH	RELATIVE HUMIDITY
RL	ROOF DRAIN LEADER
RM	ROOM
RO	ROUGH OPENING
RP	RADIANT PANEL
RS	ROLLER SHADE
RSN	RESIN
RST	RESILIENT STAIR TREAD
RT	RESILIENT TILE
RTP	REINFORCED THERMOSETTING PLASTIC
RTZ	URETHANE RUBBER TERRAZZO
RV	RELIEF VENT
RVT	RESILIENT VINYL TILE
R/W	RIGHT-OF-WAY
S	SINK
SAB	SOUND ATTENUATTING BATTS
SAN	SANITARY
SATC	SUSPENED ACOUTICAL TILE CEILING
SB	SITZ BATH
SC	SHADING COEFFICIENT
SCH	SCHEDULE
SCSV	STATIC CONDUCTIVE SHEET VINYL
SD	SMOKE DAMPER, STORM DRAIN
SDRS	STATIC DISSIPATIVE RESILIENT SHEET FLOORING
SDRT	STATIC DISSIPATIVE RESILIENT TILE FLOORING
SEC	SECURITY
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SEF	SEAMLESS EPOXY FLOORING
SEOR	STRUCTURAL ENGINEER OF RECORD
SERV	SERVICE
SF	SQUARE FEET
SFWC	SYNTHETIC FIBER WALL COVERING
SG	SUPPLY GRILLE
SGD	SECTIONAL GLASS DOOR
SGL	SINGLE
SHD	SHARED
SHWR	SHOWER
SIM	SIMILAR
SL	SLIDING
SML	SMALL
SOG	SLAB ON GRADE
SP	STANDPIPE, SUMP PUMP
SPA	SPACES
SPC	SUSPENDED PLASTER CEILING
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SPKR	SPEAKER
SPS	SECURITY PUSHBUTTON SWITCH
SPVSR	SUPERVISOR
SQ	SQUARE
SR	SHEET RUBBER
SRV	SAFETY RELIEF VALVE
SS	SERVICE SINK, STAINLESS STEEL
SSCG	STAINLESS STEEL CORNER GUARD
SSD	SEE STRUCTURAL DRAWINGS
SSF	SOLID SURFACE FABRICATION
SSS	SURGEON'S SCRUB SINK
SST	STAINLESS STEEL SINK
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STF	STAFF
STL	STEEL
STG	STORAGE
STR	STAIR
STRUCT	STRUCTURAL
SUF	SEAMLESS URETHANE FLOORING
SUP	SUPPORT
SUSP	SUSPEND(ED)
SV	SHEET VINYL
SVC	SERVICE
SW	SIDEWALK
SWBD	SWITCHBOARD
SWC	SOFT WALL COVERING
SWD	SECTIONAL WOOD DOOR
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
SYS	SYSTEM
T	TOILET, TANK, TEMPERATURE
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TA	TOILET ACCESSORIES
TB	TACKBOARD
TBB	TILE BACKER BOARD
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPORARY
TERR	TERRAZZO
TFC	TEXTURED FINISH COATING
TLT	TOILET
TOC	TOP OF CURB, TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPO	THERMOPLASTIC OLEFIN
TPWC	THERMOPLASTIC OLEFIN WALLCOVERING
TRANS	TRANSITION
TREAT	TREATMENT
T-STAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCOUNTER
UCR	UNDER COUNTER REFRIGERATOR
UNEX	UNEXCAVATED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UR	URINAL
U/S	ULTRASOUND
US	UTILITY SINK, ULTRASOUND
UTIL	UTILITY

VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VAPOR BARRIER
VCG	VINYL CORNER GUARD
VCT	VINYL COMPOSITION TILE
VENT	VENTILATING, VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VNR	VENEER
VOC	VOLATILE ORGANIC COMPOUND
VOL	VOLUME
VR	VAPOR RETARDER
VS	VACUUM (CANISTER) SLIDE
VT	VINYL TILE
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WIDTH, WATER
W/	WITH
WC	WATER CLOSET
WIC	WHELL CHAIR
WD	WOOD
WDW	WINDOW
WF	WOOD FLOORING
WG	WALL GUARD
WH	WATER HEATER, WALL HYDRANT
WKSTN	WORKSTATION
WL	WIND LOAD
W/O	WITHOUT
WOM	WALK OFF MAT
WP	WATERPROOFING, WEATHERPROOF, WORK POINT
WPF	WATERPROOF FLOORING
WS	WALL SWITCH, WATERSTOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
YD	YARD
YR	YEAR

SYMBOLS LEGEND

SHEET NUMBER

A-100
- Sheet Number
- Discipline Code

VIEW TITLE

- Drawing Scale
- Drawing Number

VIEW TITLE WITH REFERENCE

- Drawing Number
- Drawing Scale
- Sheet Number
- Reference Sheet Number

EXTERIOR ELEVATIONS

1 / A101
- Position on Sheet
- Sheet Number

INTERIOR ELEVATIONS

19 SIM / SIM 19 / A101 / 19 SIM / 19 SIM
- Position on Sheet
- Sheet Number

MATCH LINES

- Sheet Number
- Position on Sheet

AREA REFERENCE

A
- Adjacent Area

SEE: (XX-XXX)
- Sheet Number
- Position on Sheet

BUILDING SECTION

1 / A101 — SIM — 1 / A101
- Position on Sheet
- Sheet Number

WALL SECTION

1 / A101
- Position on Sheet
- SIM
- Sheet Number

DETAIL - SECTION

1 / A101
- Position on Sheet
- SIM
- Sheet Number

DETAIL - PLAN/RCP

1 / A101
- Position on Sheet
- SIM
- Sheet Number

DRAWING REVISIONS

3
- Revision Number

NORTH ARROW

- Plan North
- True North
- 45.00°

GRAPHIC SCALE

0 — 2' — 4' — 8'

COLUMN GRID LINES

1 — 2 — A — B
- Column Grid Line (New)
- Column Grid Line (Existing)

LEVEL DATUM

LEVEL 01 / 0' - 0"
- Level Name
- Level Elevation

SPOT ELEVATION

10' - 0"
- Spot Elevation

ROOM TAG

NAME / 101A
- Room Name
- Room Number

CENTERLINE

℄
- Denotes Centerline of an Object

CEILING TAG

Type Mark / 1' - 0" AFF
- Ceiling Type
- Ceiling Height

DOOR NUMBER TAG

1A101
- New Door
- Door Number Tag

1A101
- Existing Door
- Door Number Tag

WINDOW TAG / CURTAIN WALL TAG

XX

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PET/CT

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Intermountain Health

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Project Health Planner	ANNETTE HIMELICK
Project Architect	BEN HICKMAN
Landscape Architect	N/A
Civil Engineer	N/A
Structural Engineer	DORIAN ADAMS
Mechanical Engineer	SCOT MUIR
Electrical Engineer	CARLTON GETZ
Plumbing Engineer	SCOT MUIR
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	6/28/2024

LICENSED ARCHITECT — TODD A. TIERNEY — 6385870-0301 — STATE OF UTAH
06-28-2024

Sheet Name

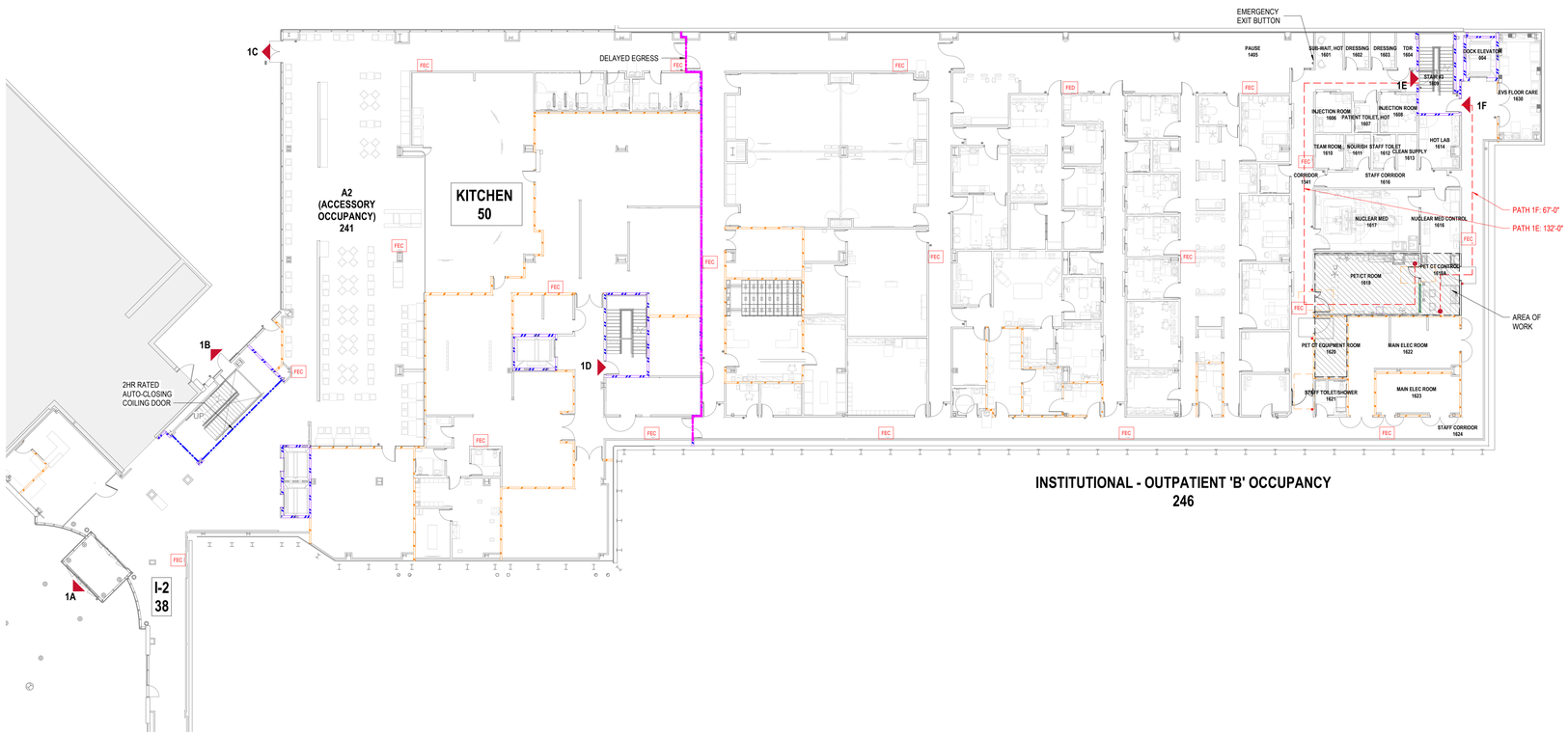
SYMBOLS, & GENERAL NOTES

Sheet Number

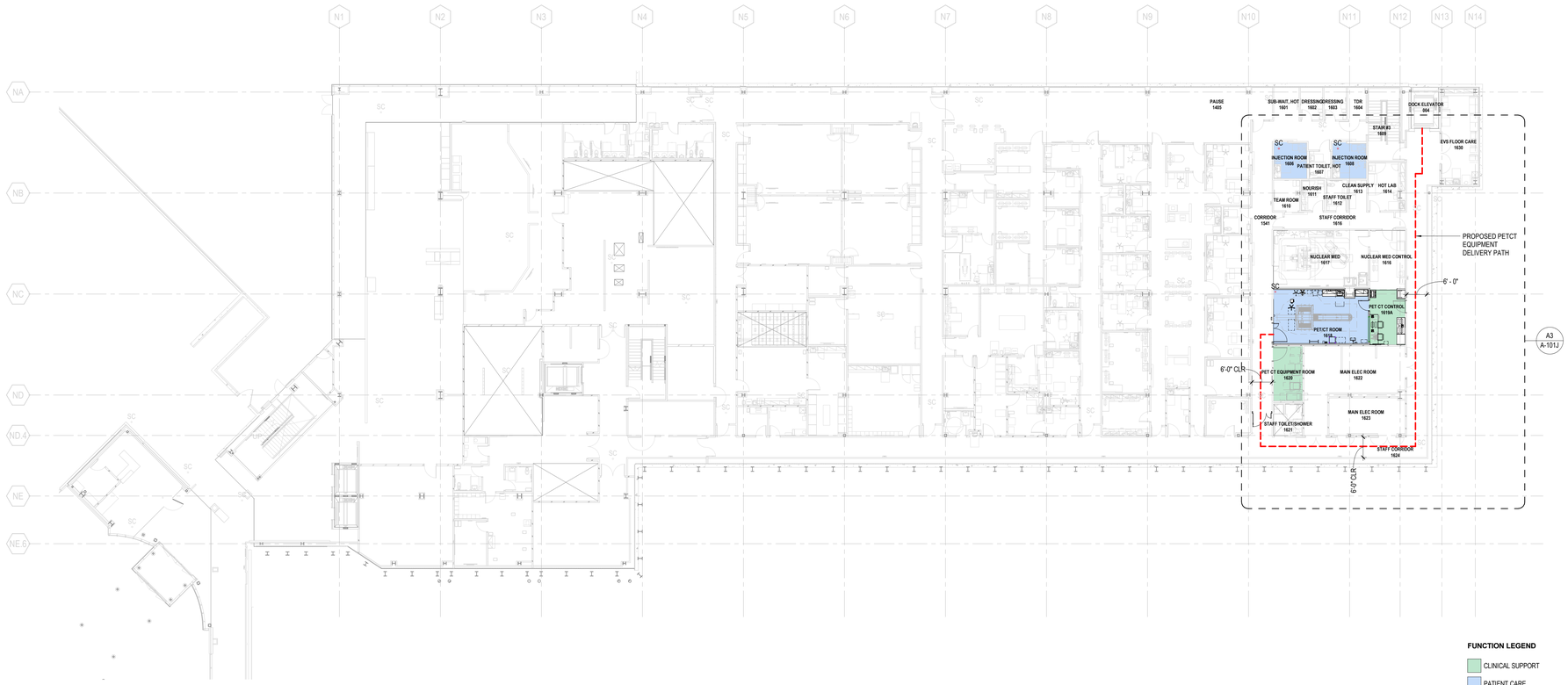
G-002

Project Status

100% CONSTRUCTION DOCUMENTS



C5 LIFE SAFETY PLAN - LEVEL 01
1/16" = 1'-0"



A5 LEVEL 01 - OVERALL FLOOR PLAN
1/16" = 1'-0"

LIFE SAFETY LEGEND

- EXISTING NON-RATED SMOKE PARTITION W/ SMOKE PROTECTED CONSTRUCTION AND OPENINGS
- EXISTING SMOKE BARRIER 1-HR WITH 20 MIN OPENING PROTECTIVES
- EXISTING 1-HR RATED FIRE BARRIER; WITH 45 MIN OPENING PROTECTIVES
- EXISTING 1-HR RATED FIRE PARTITION; WITH 45 MIN OPENING PROTECTIVES
- EXISTING 2-HR RATED FIRE BARRIER; WITH 90 MIN OPENING PROTECTIVES
- EXISTING 2-HR RATED OCCUPANCY SEPARATION FIRE BARRIER; WITH 90 MIN OPENING PROTECTIVES
- SCOPE OF WORK
- TRAVEL DISTANCE: LONGEST ROUTE TO AN EXIT (MAXIMUM PER SPACE/AREA SHOWN) (IBC 1017.2)
- 55'-6" COMMON PATH — COMMON PATH: DISTANCE TRAVELED BEFORE AN EXIT PATH IS CHOSEN (MAXIMUM PER SPACE/ AREA SHOWN) (IBC 1006.2)
- EXIT
- EXIT SIGN ALONG EGRESS PATH FROM SCOPE OF RENOVATION
- FEC — EXISTING FIRE EXTINGUISHER LOCATION TO REMAIN

OCCUPANCY TYPE AND AREA

OCCUPANCY TYPES (EXISTING):
- LEVEL 1: MIXED A-2 & B, SEPARATED
  MIXED A-2 & I-2 NON-SEPARATED
- LEVEL 2: I-2
- LEVEL 3: I-2
- LEVEL 4: B
- PENTHOUSE: U

BUILDING AREA:
- LEVEL 1: 43,330 SF

BUILDING PROTECTION

CONSTRUCTION TYPE I-A

PRIMARY STRUCTURAL FRAME:	3HR*
EXTERIOR BEARING WALLS:	3HR
INTERIOR BEARING WALLS:	3HR*
NONBEARING WALLS AND PARTITIONS:	0HR
FLOOR CONSTRUCTION AND SECONDARY MEMBERS:	2 HR
ROOF CONSTRUCTION AND SECONDARY MEMBERS:	1 1/2 HR

* PERMITTED TO BE REDUCED BY 1 HOUR WHERE SUPPORTING ROOF

HOSPITAL IS PROTECTED WITH A FULLY AUTOMATIC FIRE SPRINKLER SYSTEM

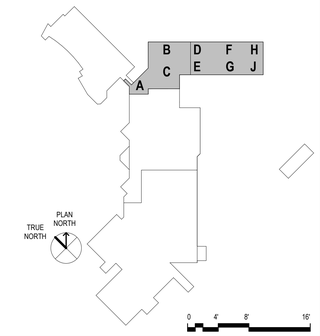
ALLOWED TRAVEL DISTANCE

OVERALL TRAVEL DISTANCE:
- A: 250'
- B: 300'
- I2: 200'

COMMON PATH:
- A & I2: 75'
- B: 100'

DEAD-END:
- A & I2: 20'
- B: 50'

KEY PLAN



HDR ARCHITECTURE P.C.
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Intermountain Health

Project Manager	BEN HICKMAN
Project Health Planner	ANNETTE HIMELICK
Project Architect	BEN HICKMAN
Landscape Architect	N/A
Civil Engineer	N/A
Structural Engineer	DORIAN ADAMS
Mechanical Engineer	SCOT MUIR
Electrical Engineer	CARLTON GETZ
Plumbing Engineer	SCOT MUIR
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
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LICENSED ARCHITECT
TODD A. TIERNEY
6385878-0301
STATE OF UTAH
06-28-2024

Sheet Name

LIFE SAFETY &
OVERALL PLANS -
LEVEL 01

Sheet Number

G-101

Project Status

100% CONSTRUCTION DOCUMENTS

1. Design Criteria

1.1. Governing Building Code .....2018 International Building Code (IBC)
A. Patient Tower Risk Category III

1.2. Floor Live Loading
A. Typical Floor.....80 psf Live Load + 20 psf Partitions
B. Ceiling .....20 psf Live load

1.3. Earthquake
A. Seismic Design Category.....D
B. Spectral Response Accelerations
S_S = 1.05 g S_{DS} = 0.75 g
S_1 = 0.35 g S_{D1} = 0.45 g
C. Soil Site Class.....D
F_a = 1.2 F_v = 1.95

1.4. Seismic Requirements for Nonstructural Components
A. Analysis Procedure .....ASCE 7 Chapter 13 – Seismic Design Requirements for Nonstructural Components
B. Spectral Response Acceleration, S_{DS} 0.75g
C. Component Importance Factor, I_p.....1.0
D. Seismic Coefficients for Architectural Components .Medical Equipment
a_p = 1 R_p = 2.5 Ω_0 = 2

1.5. Foundation
A. Subsurface Conditions:
Soils report and log of borings was obtained by the Owner for the Engineer's use in the design of the foundation, and is not a part of the Contract Documents. This report and log of borings is available for the Contractor's information, but is not a warranty of the subsurface conditions. The Contractor may use the report at their own risk.
B. Soils report by CMT Engineering Laboratories dated December 30th 2020.
C. Soil Bearing Pressure: .....2000 psf on 12-inch Min. compacted fill

2. Earthwork

2.1. Clearing: The entire building area shall be scraped to remove the top 4 inches of soil, including all vegetation and debris.

2.2. Proof rolling: The natural undisturbed soil below all footings shall be proof rolled prior to placing structural fill. Remove all soft spots and replace with stabilization fill. Stabilization fill placed to stabilize soft areas prior to placing structural fill and/or site grading fill. Coarse angular gravels and Cobbles 1 inch to 8 inches in size. May also use 1.5-to 2.0-inch gravel placed on stabilization fabric, such as Mirafi RS280i or equivalent, see Section 6.6 of the geotechnical report.

2.3. Compacted structural fill: Structural fill shall be provided under slab/footing. All fill material shall be a well-graded sand/gravel mixture, with maximum particle size of 4-inches, a minimum 70% passing ¾-inch sieve, a maximum 20% passing the No. 200 sieve, and a maximum Plasticity index of 10. It shall be compacted to 95 percent of the maximum laboratory density as determined by ASTM D1557. All fill shall be tested (See Specifications and the Quality Assurance section of the GSN).

2.4. It shall be the responsibility of the Contractor to brace and shore excavations as required. See the geotechnical report for specific requirements.

2.5. Subbase course (compacted fill to support floor slab): Same Material as Compacted Structural fill described in GSN Paragraph 2.3

2.6. Drainage Course: The drainage material should be a compactible, easy to trim, granular fill that will remain stable and support construction traffic. Compact base course such that no ruts deeper than 1/2 inch are left by construction traffic. Base course shall be graded to a tolerance that results in the minimum slab thickness specified. The base course shall be one of the following materials at the contractor's option:
A. Open Graded: Crushed rock with 100% passing the 1 inch sieve and 100% retained on the No. 4 sieve. To allow compaction and prevent ruts, the surface may need to be filled in or choked off with sand or fine gravels and compacted to provide a smooth, planar surface.

3. Concrete

3.1. Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-14, "Building Code Requirements for Structural Concrete."
A. Concrete mix design requirements shall be as follows:

Location	f'c at 28 days (psi)	f'c at 56 days (psi)	Max W/C Ratio	Air Content (%)	Max Aggregate Size	Exposure Classes*		
						F	S	C
Reinforced Slab on Grade / Mat Footing	4000	-	0.45	-	1"	F0	S0	C0

* Exposure Classes are per ACI 318, Section 19.3.1.1, where F, S and C are exposure categories for freezing and thawing, sulfate, and corrosion protection of reinforcement, respectively.

B. Cementitious Materials:
1. Portland Cement (ASTM C150):
a. Type I or II for exposure class S0.
2. Fly Ash (ASTM C618, Class C or F): maximum fly ash content as a percentage of total weight of cementitious materials shall be 25 percent.
C. Concrete Density (Maximum Air Dry Weight):
1. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot. Aggregate shall be ASTM C33.
D. Steel Reinforcement:
1. ASTM A615 Grade 60, fy = 60,000 psi min. unless noted otherwise.

E. Admixtures:
1. Air-entraining admixtures, comply with ASTM C 260 (when used).
a. Tolerance on air content as delivered shall be +/- 1.5%.
b. When air content of a trowel finished floor slab exceeds 3%, there is an increased risk for delaminations and blistering to occur. When this situation is present, the Contractor shall pay special attention to the finishing procedures to help minimize such risks. Refer to ACI 302.1R-15 "Guide for Concrete Floor and Slab Construction" for proper finishing guidelines.
2. The use of super plasticizers and water reducers is allowed, but not required.
3. Calcium chloride or admixtures containing calcium chloride shall not be added to the concrete mix.
F. Chloride Ion: Maximum water soluble chloride ion concentrations in hardened concrete at age between 28 and 42 days contributed from the ingredients including water, aggregates, cementitious materials, and admixtures shall not exceed a maximum, by weight of cement, of 1.00% for concrete with exposure class C0.
G. Slump Limit: 4 inches, maximum for all concrete prior to the addition of plasticizers and water reducing admixtures. The concrete supplier shall indicate the final slump of each concrete mix in the submitted mix design.
H. Shrinkage Limit: Interior slabs on grade shall have a drying shrinkage limit of 0.030 percent tested in accordance with ASTM C157. Drying shrinkage test results shall be submitted with mix designs.
I. Only one grade or type of concrete shall be poured on the site at any given time.

3.2. Formwork shall comply with ACI Standards Publication 347 and the project specifications. The Contractor shall be responsible for the design, detailing, care, placement and removal of the formwork and shores.

3.3. Concrete cover requirements for deformed bar reinforcing steel shall comply with ACI 318, "Building Code Requirements for Structural Concrete".
A. Cast-in-place Concrete: Specified Cover
1. Cast against and permanently exposed to earth: .....3"
2. Formed concrete exposed to earth or weather:
#6 thru #18 bars.....2"
#5 and smaller bars.....1.1/2"
3. Concrete not exposed to weather or in contact with ground:
Slabs, Walls, Joists; #11 bars and smaller .....3/4"
Beams, Columns: primary reinforcement, ties, stirrups, spirals .....1.1/2"

3.4. Construction Joints:
A. All horizontal and vertical construction joints shall have a surface intentionally roughened to ¼" amplitude. A continuous 2 X 4 keyway may be used on elements other than shear walls.
B. Provide reinforcement dowels to match the member reinforcement across the joint, unless noted otherwise. For dowels across construction joints and wall to footing connections of concrete shear walls, refer to specific project plans, schedules, and details.

3.5. Detailing: All reinforcing, shall be detailed, bolstered & supported to comply with ACI 315, "Details and Detailing of Concrete Reinforcement" and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically shown on drawings.
A. All reinforcing shall be developed in compliance with the CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE SCHEDULE.
B. All mechanical splices shall have the capacity to develop at least 1.25fy of the bar in tension or compression. Type 2 couplers have the capacity to develop the full tension capacity of the bar. Type 1 couplers shall not be used in moment frames and shear wall jamb columns. Mechanical splices shall have a current ICC or IAPMO code evaluation report; "Lenton" (IAPMO No. 0129), "Taper-Lock" (IAPMO No. 0319) or "SAS Stressteel" (ICC ESR-1163), "Bar-Lock" (ICC ESR-2495) or approved equivalent may be used. Mechanical couplers on adjacent bars shall be staggered a minimum of 24" apart along the longitudinal axis of the reinforcing bars.
C. All embedded elements and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
D. Use chairs or other support devices recommended by CRSI to support and tie reinforcement bars prior to placing concrete.
E. Where required, reinforcement is to be terminated in a standard hook. Refer to the REINFORCEMENT END HOOK SCHEDULE as appropriate
F. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
G. All reinforcement shall be bent cold, and shall be bent only once at the same location. All reinforcement shall be shop bent, unless otherwise permitted by the Engineer.

3.6. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

3.7. Unless otherwise noted, all slabs on grade shall be 4" thick.

4. Cold-Formed Steel

4.1. Material:
A. Studs:
1. Base metal thickness of less than 54 mil: ASTM A1003 or A653, Fy = 33 ksi.
2. Base metal thickness of 54 mil or greater: ASTM A1003 or A653, Fy = 50 ksi.
B. Track, Connection Clips, and Miscellaneous Shapes:
1. Base metal thickness of less than 54 mil: A1003 or A653, Fy = 33 ksi.
2. Base metal thickness of 54 mil or greater: A1003 or A653, Fy = 50 ksi

4.2. Design, fabrication and construction shall comply with the following Codes and Standards:
A. American Iron and Steel Institute (AISI) S100-16, "North American Specification for the Design of Cold-Formed Steel Structural Members", dated 2016.
B. American Iron and Steel Institute (AISI) S202-15: Code of Standard Practice for Cold-formed Steel Framing, 2015
C. American Iron and Steel Institute (AISI) S220-15, "North American Standard for Cold-Formed Steel Framing-Nonstructural Members."
D. American Iron and Steel Institute (AISI) S240-15: North American Standard for Cold-Formed Steel Structural Framing
E. American Iron and Steel Institute (AISI) S400-15/S1-16: North American Standard for Seismic Design of Cold-formed Steel Structural Systems, 2015, with Supplement 1, dated 2016.

4.3. Non-Load-Bearing Exterior Cold-Formed Steel Framing:
A. All non-load bearing exterior cold-formed steel (and/or) joist framing members along with all runner, bridging, and end track shall be of the designation shown on the plans, schedules, and details. The framing member designators used in the plans, schedules, and details follow the convention established by the Steel Stud Manufacturers' Association (SSMA) and the North American Steel Framing Alliance (NASFA). Framing members provided shall comply with the designations according to this convention. See Steel Stud Manufacturers Association-Nomenclature for an explanation of the stud or track designations.
B. All components shall be galvanized.
C. Where not noted in the drawings, all framing members shall have a base metal thickness of 33 mil or greater.
D. All jamb, header, and sill components shall be continuous without splices unless noted otherwise. Jambs shall extend continuous from floor to floor, roof, or wind girt.
E. Web punchouts in header stud members shall not be located within 12 inches of the support.
F. Fasteners for steel stud construction shall be self-drilling and self-tapping meeting ASTM C1513. Screw-type fasteners shall penetrate the joined materials with a minimum of three threads exposed. Furnish, install, and tighten screws per the manufacturer's recommendations and per the sizes indicated in the details. The minimum screw-type fastener size shall be #10 for any connection, unless noted otherwise, or the manufacturers' minimum recommended size for framing clips and bridging.
G. See the Typical Steel Stud Wall Bridging Detail for wall stud bridging requirements. Proprietary bridging systems may be used upon submission, review, and approval by the Architect/Engineer. Cold-rolled channel (or steel angle) bridging shall not be used without suitable full-depth angle clips fastened to the studs and channel or angle to prevent stud roll-over.
H. Wall to floor or roof connections shall use deflection tracks or steel clips designed to accommodate vertical deflection of the floor or roof structure. See specific details for further information
I. Connection clips as specified in the schedules and details use The Steel Network (TSN) products as the basis of design. Other manufacturer's connection clips, must be submitted for review and approved by the Architect/Engineer prior to use, and shall clearly indicate all ICC/IAPMO code reports, load capacities and engineering associated with their use. Follow all manufacturers' recommendations for the use of these products.
J. Proprietary headers, jamb studs, and other miscellaneous framing may be substituted for framing as shown in the NON-LOAD-BEARING EXTERIOR STEEL STUD FRAMING SCHEDULE but must be submitted to the Engineer & reviewed prior to ordering material or fabricating & installing such components. Submittals for substitution of such components must clearly state what is being substituted and show equivalence to the components being replaced.

4.4. Welding:
A. The steel stud contractor shall contact the Quality Assurance Agency prior to beginning any welds. A program of joint preparation and welding procedures should be worked out between the two parties before the welding is started so that correct welds will be made from the beginning.
B. Certification of Welders: All shop and field welding shall be executed by AWS certified welders who have been specifically certified for the process of welding being performed. The welder's certification will be considered as being current unless the welder is not engaged in the process of welding being performed for a period exceeding six months or there is a specific reason to question a welder's ability as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the Architect prior to beginning work.
C. Unless noted otherwise, all welded connections shall be done using 1/8" AWS type 6013 or 7014 rod with a welding heat of 60-110 amperes depending on the gauge of material and the fit of the parts. Wire tying of framing components shall not be permitted. Welds and damaged coatings on studs shall be repaired with zinc galvanizing repair paint.

4.5. Submit complete shop drawings of all elements for review.

4.6. Submittals with Prefabricated Systems or systems intended to replace conventional framing herein shall have complete shop drawings and calculations of all elements for review and bear the stamp of a Professional Engineer registered in the State of Utah.

5. Miscellaneous

5.1. Post-Installed Anchors in Concrete and Masonry
A. Anchorage to hardened concrete shall include all mechanical and adhesive anchors and epoxy doweled reinforcing bars of size, quantity, spacing, and embedment as shown on the drawings. Additional anchors shall not be used without approval from the Engineer prior to installation.
B. Special inspection is required during the installation of all post-installed anchors. Refer to applicable code evaluation reports and the Quality Assurance and Statement of Special Inspections sections of the General Structural Notes.
C. Anchorage to Concrete:
1. All post-installed anchors into hardened concrete shall be selected from the following pre-approved products, unless noted otherwise:

Steel Screw Anchor	Evaluation Report
Hilti KWIK HUS-EZ	ICC ESR-3027
DeWalt Screw-Bolt+	ICC ESR-3889
Simpson Titen HD	ICC ESR-2713

Steel Expansion/Wedge Anchor	Evaluation Report
Hilti KWIK Bolt TZ	ICC ESR-1917
DeWalt Power-Stud+ SD2	ICC ESR-2502
Simpson Strong-Bolt 2	ICC ESR-3037

Adhesive Anchor System	Evaluation Report
Hilti HIT-HY 200	ICC ESR-3187
Hilti HIT-RE 500 V3	ICC ESR-3814
DeWalt AC200+	ICC ESR-4027
DeWalt Pure 110+	ICC ESR-3298
Simpson SET-3G	ICC ESR-4057

2. Adhesive anchors shall be installed into concrete having a minimum age of 21 days. For installations sooner than 21 days, consult the adhesive manufacturer.
D. Alternate anchors or adhesives are permitted with approval of the Engineer. The Contractor shall submit the proposed anchor product data and code evaluation report demonstrating the anchor is equivalent to or exceeds the capacity of the specified anchor.
E. Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel certified by an applicable certification program. Certification shall include written and performance tests in accordance with the ACI/CRSI Adhesive Anchor Installer Certification program, or equivalent. Proof of current certification shall be submitted to the Engineer for approval prior to commencement of installation.
F. Anchors shall be installed according to the Manufacturer's Printed Installation Instructions and applicable code evaluation reports including:
1. Hole diameter, depth, and cleaning procedure
2. Adhesive mixing, preparation, and placement
3. Installation torque
G. Locate all existing reinforcement and embedded items prior to drilling into concrete or masonry elements. Do not damage rebar or embeds while drilling or installing anchors.
H. Grout all defective or abandoned holes with non-shrink grout or an injectable epoxy adhesive matching the surrounding concrete compressive strength. Consult the Architect for additional requirements at architecturally exposed concrete.
I. Drilled anchors are not allowed in post-tensioned concrete without approval of the Architect and Engineer.
J. Carbon steel anchors are limited to use in dry, interior locations.
K. Holes for post-installed anchors may not be core drilled unless specifically allowed by the manufacturer's installation instructions and the code evaluation report.

6. Special Instructions

6.1. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specifications for additional requirements in each section. Notes and specific details on the drawings shall take precedence over General Structural Notes and typical details.

6.2. The architectural drawings are the prime contract drawings. Consultant drawings by other disciplines are supplementary to the architectural drawings. All omissions or conflicts, including dimensions, between the various elements of the consultants' drawings and/or specifications shall be brought to the attention of the Architect before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the Architect without additional cost to the Owner. Any work done by the Contractor after discovery of such discrepancy shall be done at the Contractor's risk.

6.3. The structural drawings shall be used in conjunction with the architectural drawings. Primary structural elements and overall structural layout are indicated within the structural plans and details. Some secondary elements, architectural layouts, alcoves, elevations, slopes, depressions, curbs, mechanical equipment and electrical equipment, are not indicated within the structural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.

6.4. Shoring and Bracing Requirements:
A. Floor and Roof Structures – The General Contractor is responsible for the method and sequence of all structural erection. The Contractor shall provide temporary shoring and bracing as the method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed, including all roof and floor attachments. The building shall not be considered stable until all connections are complete.
B. Foundation walls must be braced until the complete floor or roof systems is completed. Do not backfill until floor or roof systems are in place.
C. Walls above grade shall be braced until the structural system is complete. Walls shall not be considered to be self-supporting.

6.5. All expansion joints (E.J.) shown in the structural drawings shall be considered seismic separation joints, unless noted otherwise.

6.6. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the Contractor of the responsibility of completing the project according to the contract documents. The General Contractor shall review and mark all shop drawings prior to submitting them to the Architect for review. Shop Drawings made from reproductions of (these) contract drawings will be rejected.

6.7. Project Coordination: It shall be the responsibility of the General Contractor to coordinate with all trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the General Contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the General Contractor. It is the Contractor's obligation to provide all items necessary for the chosen procedure.

6.8. Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, Contractor shall notify Architect/Engineer prior to fabrication or construction within that area.

6.9. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reaveley Engineers. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Reaveley Engineers' reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers for one use only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the Contractor or subcontractors for preparation of shop drawings or other submittals.

7. Quality Assurance

7.1. Quality Assurance Agency Requirements:
A. The Owner shall engage a qualified Quality Assurance Agency (QAA) to provide all special inspection and quality assurance testing for the project. The QAA shall provide all information necessary for the building official to determine that the agency meets the applicable requirements.
1. The QAA shall be objective, competent and independent from the Contractor responsible for the work being inspected. The agency shall disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.
2. The QAA shall have adequate equipment to perform required tests. The equipment shall be periodically calibrated.
3. The QAA shall employ experienced personnel educated in conducting, supervising and evaluating tests and special inspections. Experience or training shall be considered relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities.
4. The QAA shall send copies of all inspection and testing reports to the building official, Owner, Architect, Engineer and Contractor. Reports shall indicate that the work inspected was or was not completed in conformance to the approved construction documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the, Architect and Engineer.
5. The QAA shall submit a final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests. The final report shall be distributed to the building official, Owner, Architect and Engineer in a timely manner prior to the completion of the project.

7.2. Contractor Responsibilities:
A. The Contractor shall submit a written statement of responsibility to the building official and the Owner or the owner's authorized agent prior to the commencement of work on the systems or components listed in the statement of special inspections. The Contractor's statement of responsibility shall contain acknowledgement or awareness of the special requirements contained in the statement of special inspections.
B. Notification of QAA: The Contractor shall notify the QAA in a timely manner so that inspection and testing may be performed as outlined in the statement of special inspections.

7.3. Structural Observations by the Engineer of Record.
A. The Engineer of Record will perform structural observations at critical phase of the project. Copies of the Engineer's report will be distributed to the Architect, Contractor, Owner, and building official.
B. Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of construction.

8. Statement of Special Inspections

8.1. The following materials, systems and components require special inspection or testing per Chapter 17 of the International Building Code (IBC).

8.2. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases, periodic inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. Frequency marked with (E) designates periodic inspections that must be performed prior to or upon completion of every task.

Concrete Construction per IBC Sections 1705.3 &1705.12

Item	Frequency	Detailed Instructions
Reinforcing steel, including prestressing tendons	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
Cast-in bolts & embeds	Periodic	
Post-installed adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	Continuous	All post-installed anchors/dowels shall be special inspected in accordance with the approved code evaluation report and with ACI Section 17.8.2.
Post-installed mechanical anchors and adhesive anchors not defined above	Periodic	
Use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents; ACI 318: Ch. 19, 26.4.3-26.4.4; and IBC 1904.1, 1908.2, 1908.3.
Concrete sampling for strength tests, slump, air content, and temperature	Continuous	Samples for strength tests shall be taken in accordance with ASTM C172, cured per ASTM C31 and tested in accordance with ASTM C39 by a testing agency complying with ASTM C1077. Acceptance criteria for strength tests shall be per ACI 318 Section 26.12.3. For each mix placed, samples shall be taken not less than once a day, nor less than once for each 150 yd^3 of concrete, nor less than once for each 5000 ft^2 of surface area for slabs or walls. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.
Curing temperature and techniques	Periodic	Verify that concrete is maintained at a temperature of at least 50°F and in a moist condition for at least 7 days after placement. Verify that high-early-strength concrete is maintained at a temperature of at least 50°F and in a moist condition for at least 3 days after placement. Accelerated curing methods may be used (see ACI 318: 26.5.3.2(c)). Shotcrete shall be maintained at a temperature of at least 40°F for the same period of time as noted for concrete and kept in the moist condition during curing periods in accordance to IBC 1908.9 All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
In-situ strength verification	Periodic	Verify that adequate strength has been achieved prior to the removal of shores and forms or the stressing of post-tensioned tendons.
Formwork	Periodic	Verify that the forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.

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PROFESSIONAL STRUCTURAL ENGINEER No. 332165 JOSHUA ADAMS STATE OF UTAH
06/28/2024

INTERMOUNTAIN HEALTHCARE
LRH PET/CT

500E 1400N
LOGAN, UT 84341

Intermountain Health

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Plumbing Engineer	VAN BOERUM & FRANK
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	CEB

MARK	DATE	DESCRIPTION

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Sheet Name
GENERAL STRUCTURAL NOTES

Sheet Number
SE001

Project Status
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PLAN LEGEND

FOOTING STEP
FOOTING - CONTINUOUS
FOOTING - THICKENED SLAB
FOOTING - SQUARE FOOTING - RECTANGULAR FOOTING - MAT FOOTING
CONC PILE CAP WITH MICROPILES
MICROPILES
CHANGE IN ELEVATION
SLAB BLOCK-OUT AT COLUMN
SLAB CONTROL/CONSTRUCTION JOINT
SPECIAL SLAB OR DECK AREA
SPECIAL SLAB OR DECK AREA
SPECIAL SLAB OR DECK AREA
RECESSED/DEPRESSED SLAB
OPENING
CONCRETE HOUSEKEEPING PAD
INDICATES ROOF DAVIT ARM BASE
INDICATES WINDOW WASHING TIE-BACK
CONCRETE OVER STEEL DECK
STEEL DECK
STEEL GRATE

CONCRETE WALL
CONCRETE WALL - RECESSED (FDTN PLAN) CONCRETE LINTEL (FRAMING PLAN)
CONCRETE WALL - RECESSED AT DOOR
CONCRETE PIER IN CONCRETE WALL. TOP OF PIER RECESSED BELOW SLAB.
CONCRETE COLUMN
CONCRETE JAMB COLUMN POURED MONOLITHIC WITH CONCRETE WALL
MASONRY WALL
MASONRY WALL - RECESSED (FDTN PLAN) MASONRY LINTEL (FRAMING PLAN)
MASONRY COLUMN IN MASONRY WALL
STEEL STUD WALL - STRUCTURAL
STEEL HEADER IN STEEL STUD WALL
BRICK WALL
BRICK WALL - RECESSED (FDTN PLAN) BRICK LINTEL (FRAMING PLAN)
BRICK COLUMN IN BRICK WALL
STEEL/WOOD BEAM OR GIRDER
STEEL/WOOD JOIST OR PURLIN
STEEL BRACED FRAME - ABOVE
STEEL BRACED FRAME
STEEL BEAM OR GIRDER
STEEL JOIST OR PURLIN
STEEL ANGLE BRACE / KICKER.
CROSS BRIDGING
HORIZONTAL BRIDGING
STEEL COLUMN - TUBE (HSS)
STEEL COLUMN - WIDE FLANGE
STEEL COLUMN - PIPE (HSS)
WOOD COLUMN

EXISTING FOOTING - CONTINUOUS
EXISTING FOOTING - THICKENED SLAB
EXISTING FOOTING - SQUARE, RECTANGULAR, OR MAT
EXISTING CONCRETE SHEAR WALL, FOUNDATION WALL OR RETAINING WALL
EXISTING OPENING THROUGH CONCRETE WALL
EXISTING CONCRETE PIER IN CONCRETE WALL. PIER RECESSED BELOW SLAB.
EXISTING CONCRETE COLUMN
NEW OPENING THROUGH EXISTING CONCRETE WALL
EXISTING MASONRY WALL
EXISTING OPENING THROUGH MASONRY WALL
NEW OPENING THROUGH EXISTING MASONRY WALL
EXISTING MASONRY COLUMN IN MASONRY WALL
EXISTING STEEL COLUMN - TUBE
EXISTING STEEL COLUMN - WIDE FLANGE
EXISTING STEEL COLUMN - PIPE
EXISTING STEEL BRACED FRAME
EXISTING STEEL BEAM OR GIRDER
EXISTING STEEL JOIST OR PURLIN
EXISTING CROSS BRIDGING
EXISTING HORIZONTAL BRIDGING
EXISTING TO BE REMOVED
EXISTING OPENING

STEEL FRAMING MEMBER DESIGNATION

XX BEAM SIZE § (12) C=1" [-14"]

TEXT INDICATES ADDITIONAL REQUIREMENTS FOR BOLTS AT SPECIFIED CONNECTION:
SC = SLIP CRITICAL BOLTS
PT = FULLY PRETENSIONED BOLTS
SS = SHORT SLOTTED HOLES
LS = LONG SLOTTED HOLES

INDICATES STEEL JOIST, BEAM OR GIRDER SIZE
INDICATES MEMBER IS PART OF LFRS
NUMBER OF HEADED STUDS ON BEAM
POSITIVE OR UPWARD CAMBER AT MIDSPAN
WHERE NOTED, NUMBER INDICATES DIMENSION FROM TOP OF STEEL ELEVATION REFERENCED ON PLAN (TOST). SEE ARCH FOR DECK BEARING ELEVATIONS AT SLOPED ROOF FRAMING.
CONNECTION TYPE. SEE FRAMING CONNECTION LEGEND. IF ABSENT, PROVIDE TYPICAL SINGLE PLATE CONNECTION.

STEEL FRAMING CONNECTION LEGEND

MOMENT FRAME CONNECTION (LFRS)
GRAVITY BEAM MOMENT CONNECTION
WELDED SINGLE PLATE COLLECTOR/CHORD CONNECTION
STRAP PLATE COLLECTOR/CHORD CONNECTION AT BEAMS PARALLEL TO MARK.
DOUBLE ANGLE CONNECTION
DROP-IN BEAM CONNECTION

PLAN MARKS

BF-#	BRACED FRAME
CB-#	CONCRETE BEAM
CC-#	CONCRETE COLUMN
CCSS-#	CANTILEVERED CONCRETE SUSPENDED SLAB
CDP-#	CONCRETE DRILLED PIER
CFW-#	CONCRETE FOUNDATION WALL
CGB-#	CONCRETE GRADE BEAM
CJ-#	CONCRETE JOIST
CJC-#	CONCRETE JAMB COLUMN
CL-#	CONCRETE LINTEL
CP-#	CONCRETE PIER
CRW-#	CONCRETE RETAINING WALL
CSG-#	CONCRETE SLAB ON GRADE
CSH-#	CONCRETE SHEAR HEAD
CSS-#	CONCRETE SUSPENDED SLAB
CSW-#	CONCRETE SHEAR WALL
CW-#	CONCRETE WALL
FC#	CONTINUOUS FOOTING
FM#	MAT FOOTING
FR#	RECTANGULAR FOOTING
FS#	SQUARE FOOTING
FTS#	THICKENED SLAB FOOTING
HD-#	HOLD DOWN ANCHOR
MC-#	MASONRY COLUMN
MF-#	MOMENT FRAME
ML-#	MASONRY LINTEL
MP-#	MASONRY PIER
MW-#	MASONRY WALL
PTB-#	POST-TENSIONED CONCRETE BEAM
SBP-#	STEEL BASE PLATE
SC-#	STEEL COLUMN
SCP-#	STEEL CAP PLATE
SD-#	STEEL DECK
SDA-#	STEEL DECK ATTACHMENT
SG-#	STEEL GIRDER
SJ-#	STEEL JOIST
SND-#	SNOW DRIFT
WB-#	WOOD BEAM
WBW-#	WOOD BEARING WALL
WC-#	WOOD COLUMN
WD-#	WOOD DIAPHRAGM
WJ-#	WOOD JOIST
WSW-#	WOOD SHEAR WALL

ABBREVIATIONS

@	AT
AB	ANCHOR BOLT (S)
ABV	ABOVE
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
BLDG	BUILDING
BLW	BELOW
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CJ	CONSTRUCTION JOINT OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTR	CENTER
D.B.	DECK BEARING
db	DIAMETER OF REINFORCING BAR
DBA	DEFORMED BAR ANCHORS
DBL	DOUBLE
DET	DETAIL
DIA (OR Ø)	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DK	DECK
DN	DOWN
DWG	DRAWING
DWL	DOWEL
E.F.	EACH FACE
E.J.	EXPANSION JOINT (SEISMIC SEPARATION JOINT)
E.W.	EACH WAY
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENG	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST (E)	EXISTING
EXP	EXPANSION / EXPOSED
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.F.	FINISH FLOOR
F.V.	FIELD VERIFY
FDTN	FOUNDATION
FIN	FINISH
FL	FLOOR
FT	FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GLB	GLU-LAMINATED BEAM
GR	GRADE
GSN	GENERAL STRUCTURAL NOTES
HB	HORIZONTAL BRIDGING
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHORS
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
I.F.	INSIDE FACE
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
IN	INCH
INSUL	INSULATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS - 1,000 POUNDS
KLF	KIPS PER LINEAL FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
Ld, Lt, Lsb, Lsbt, Ldc, Lsc	SEE CONCRETE REINFORCING BAR DEVELOPMENT AND LAP LENGTH SCHEDULE
LF	LINEAL FOOT
LFRS	LATERAL FORCE RESISTING SYSTEM (SFRS & WFRS)
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NORM	NORMAL
NTS	NOT TO SCALE
O.C.	ON CENTER
O.F.	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
P.T.	POST-TENSIONED
PCF	POUNDS/CUBIC FOOT
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS/LINEAL FOOT
PNL	PANEL
PSF	POUNDS/SQ FOOT
PSI	POUNDS/SQ INCH
R.D.	ROOF DRAIN
REINF	REINFORCING

ABBREVIATIONS

REQD	REQUIRED
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SI	SPECIAL INSPECTION (SP. INSP.)
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
T & B	TOP AND BOTTOM
T.O.	TOP OF
TEMP	TEMPERATURE
THDS	THREADS
TOC	TOP OF CONCRETE
TOCP	TOP OF CONCRETE PIER
TOF	TOP OF FOOTING
TOS	TOP OF SLAB
TOST	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W.P.	WORK POINT
W/	WITH
WF	WIDE FLANGE
WFRS	WIND FORCE RESISTING SYSTEM
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

STRUCTURAL DRAWING LIST

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LEGENDS & ABBREVIATIONS

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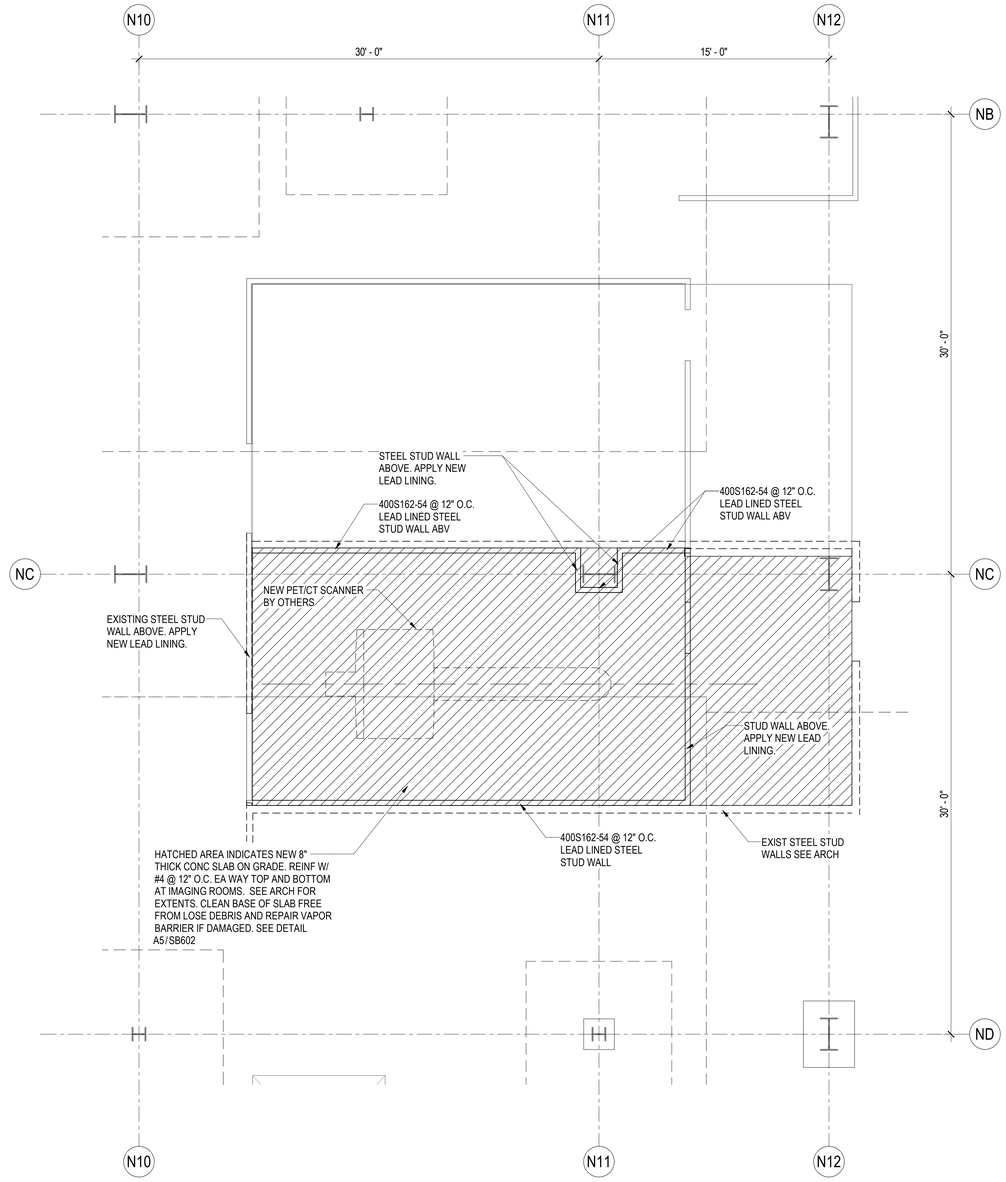

A1 / SB101 LEVEL 1 PET/CT SLAB PLAN

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

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LEVEL 1 PET/CT SLAB PLAN

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SB101

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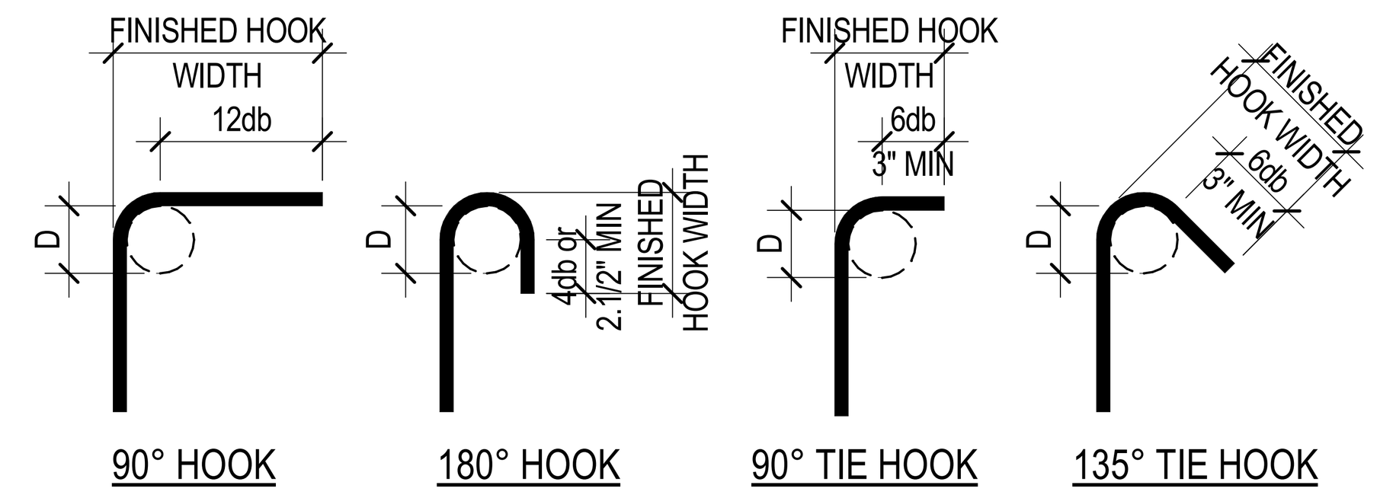


END HOOK SCHEDULE						
BAR SIZE	STANDARD FINISHED HOOK WIDTH			SEISMIC FINISHED HOOK WIDTH		
	D	90° HOOK	180° HOOK	D	90° TIE HOOK	135° TIE HOOK
#3	2.1/4"	6"	3"	1.1/2"	4"	4.1/4"
#4	3"	8"	4"	2"	4.1/2"	4.1/2"
#5	3.3/4"	10"	5"	2.1/2"	6"	5.1/2"
#6	4.1/2"	12"	6"	4.1/2"	--	8"
#7	5.1/4"	14"	7"	5.1/4"	--	9"
#8	6"	16"	8"	6"	--	10.1/2"
#9	9.1/2"	19"	11.3/4"	--	--	--
#10	10.3/4"	22"	13.1/4"	--	--	--
#11	12"	24"	14.3/4"	--	--	--
#14	18.1/4"	31"	21.3/4"	--	--	--
#18	24"	41"	28.1/2"	--	--	--

Sched – End-Hook

D1 / SB602 REINFORCEMENT END HOOK SCHEDULE

NO SCALE

CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE LENGTH SCHEDULE

Sched – Reinf-Splice

BAR SIZE	f'c = 3000 PSI				f'c = 4000 PSI				f'c = 4500 PSI				f'c = 5000 PSI				f'c = 6000 PSI				f'c = ALL	
	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ldc	Lsc
#3	17"	22"	22"	28"	15"	19"	19"	25"	14"	18"	18"	23"	13"	17"	17"	22"	12"	16"	16"	20"	8"	12"
#4	22"	29"	29"	38"	19"	25"	25"	33"	18"	24"	24"	31"	17"	23"	23"	29"	16"	21"	21"	27"	10"	15"
#5	28"	36"	36"	47"	24"	31"	31"	41"	23"	30"	30"	38"	22"	28"	28"	36"	20"	26"	26"	33"	12"	19"
#6	33"	43"	43"	56"	29"	37"	37"	49"	27"	35"	35"	46"	26"	34"	34"	44"	24"	31"	31"	40"	15"	23"
#7	48"	63"	63"	81"	42"	54"	54"	71"	40"	51"	51"	67"	38"	49"	49"	63"	34"	45"	45"	58"	17"	27"
#8	55"	72"	72"	93"	48"	62"	62"	81"	45"	59"	59"	76"	43"	56"	56"	72"	39"	51"	51"	66"	19"	30"
#9	62"	81"	81"	105"	54"	70"	70"	91"	51"	66"	66"	86"	48"	63"	63"	81"	44"	57"	57"	74"	22"	34"
#10	70"	91"	91"	118"	61"	79"	79"	102"	57"	74"	74"	96"	54"	71"	71"	92"	50"	64"	64"	84"	24"	39"
#11	78"	101"	101"	131"	67"	87"	87"	114"	64"	82"	82"	107"	60"	78"	78"	102"	55"	71"	71"	93"	27"	43"
#14	93"	121"	NA	NA	81"	105"	NA	NA	76"	99"	NA	NA	72"	94"	NA	NA	66"	86"	NA	NA	33"	NA
#18	124"	161"	NA	NA	108"	140"	NA	NA	101"	132"	NA	NA	96"	125"	NA	NA	88"	114"	NA	NA	43"	NA

NOTES:

1. DEFINITIONS:
   - Ld: TENSION DEVELOPMENT LENGTH FOR REINFORCEMENT SATISFYING THE FOLLOWING CONDITIONS:
     SLABS AND WALLS: CLEAR SPACING > 2db AND CONCRETE CLEAR COVER > db
     BEAMS AND COLUMNS: CLEAR COVER SPACING > db AND CONCRETE CLEAR COVER > db
   - Lt: DEVELOPMENT LENGTH FOR TOP BARS IN TENSION
   - Lsb: TENSION LAP SPLICE LENGTH FOR OTHER THAN TOP BARS (CLASS B)
   - Lsbt: TENSION LAP SPLICE LENGTH OF TOP BARS.
   - Ldc: DEVELOPMENT LENGTH FOR BARS IN COMPRESSION
   - Lsc: TIED COLUMN LAP SPLICE IN COMPRESSION
   - db: NOMINAL BAR DIAMETER (INCHES)
   - TOP BARS: HORIZONTAL BEAM REINFORCEMENT WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW

2. MULTIPLY VALUES IN SCHEDULE BY 1.5 IF CLEAR SPACING OR CONCRETE COVER DO NOT MEET REQUIREMENTS FOR Ld IN NOTE 1.

3. MULTIPLY VALUES IN SCHEDULE BY 1.3 FOR USE IN LIGHTWEIGHT AGGREGATE CONCRETE.

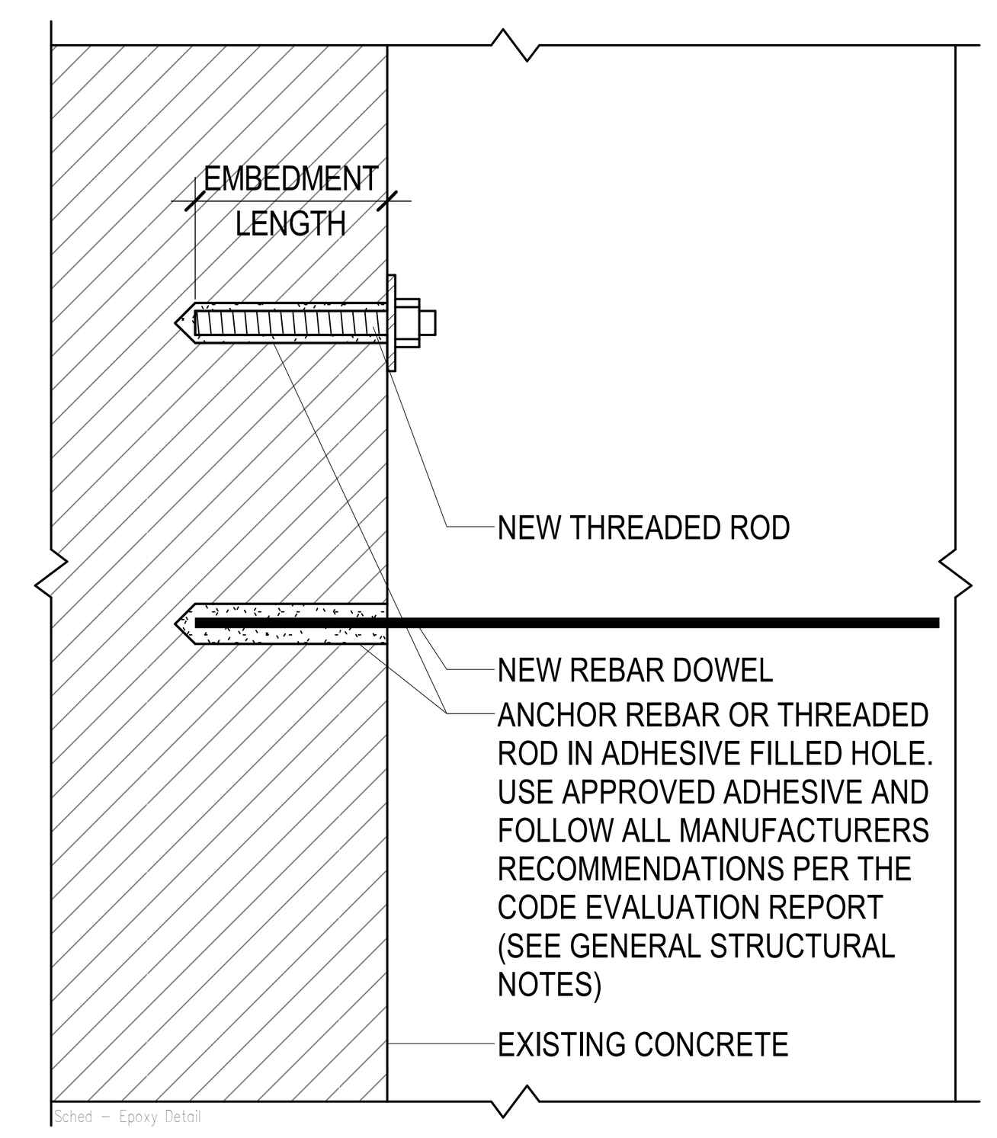
4. FOR EPOXY COATED BAR: MULTIPLY VALUES IN SCHEDULE BY 1.5 FOR BARS WITH CLEAR COVER < 3db OR CLEAR SPACING < 6db. OTHERWISE MULTIPLY VALUES BY 1.2.

5. a. FOR BUNDLED BARS OF THREE OR LESS MULTIPLY LENGTHS BY 1.2.
   b. FOR BUNDLED BARS OF FOUR OR MORE MULTIPLY LENGTHS BY 1.33.
   c. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.

6. SCHEDULE LENGTHS ARE FOR fy=60ksi REINFORCING, MULTIPLY LENGTHS BY 1.53 FOR fy=80ksi, 2.17 FOR fy=100ksi REINFORCING.

7. LAP SPLICES ARE NOT PERMITTED FOR #14 & #18 BARS. USE BAR COUPLERS PER G.S.N.

8. MINIMUM CLEAR SPACING BETWEEN THE CONTACT LAP SPLICES SHOWN IN THIS SCHEDULE AND ADJACENT SPLICES OR BARS SHALL BE IN ACCORDANCE WITH THE DETAILING PROVISIONS OF GENERAL STRUCTURAL NOTES.



ADHESIVE ANCHORS IN CONCRETE SCHEDULE			
REINFORCING BAR		THREADED ROD	
DOWEL SIZE	EMBEDMENT LENGTH (SEE NOTE #2)	SIZE	EMBEDMENT LENGTH (SEE NOTE #2)
#3	4"	3/8"Ø	4.1/2"
#4	6"	1/2"Ø	6"
#5	9"	5/8"Ø	7.1/2"
#6	10"	3/4"Ø	9"
#7	12.1/2"	7/8"Ø	10.1/2"
#8	13"	1"Ø	12"
#9	14"	1.1/4"Ø	15"
#10	18"		
#11	19"		

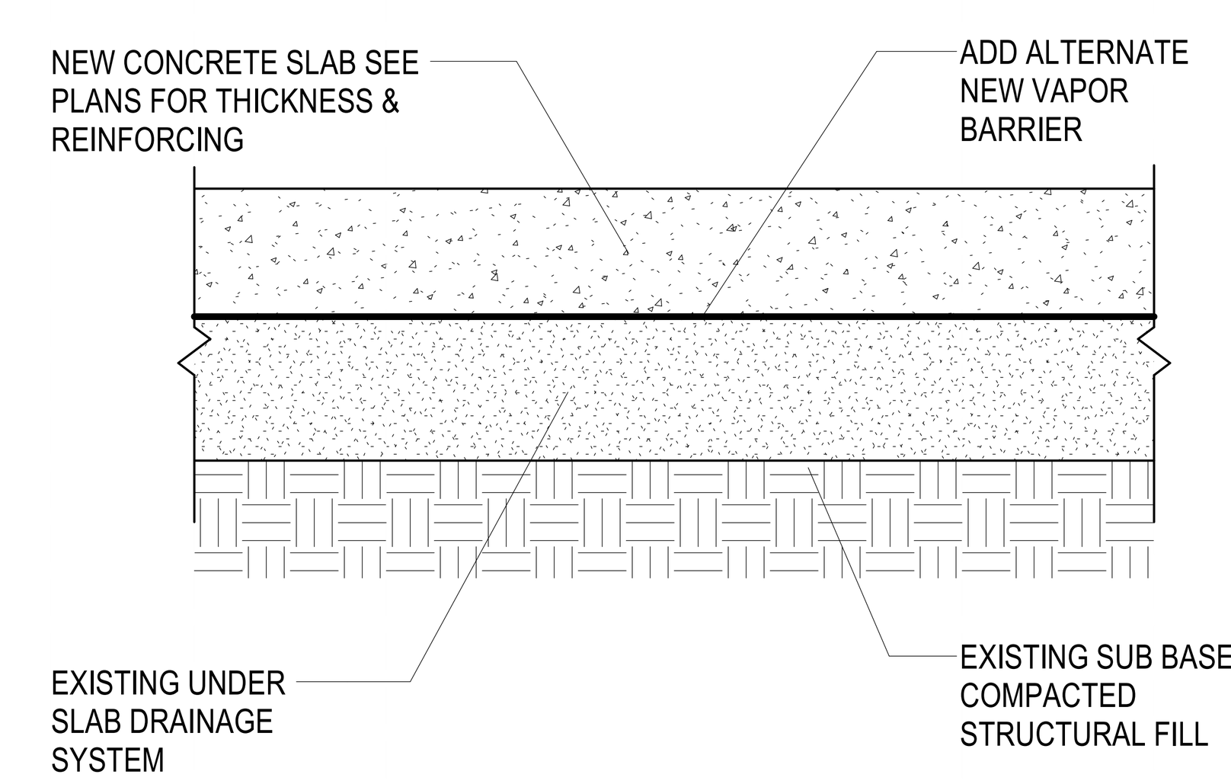
NOTES:

1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS AND AT OTHER LOCATIONS WITH APPROVAL OF THE STRUCTURAL ENGINEER.
2. EMBEDMENT LENGTHS SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER EMBEDMENT LENGTHS IN THIS SCHEDULE.
3. WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER IS NOT SUFFICIENT TO ACHIEVE SCHEDULED EMBEDMENT AND SPECIFIED CLEAR COVER FOR THE ANCHOR, CONTACT THE STRUCTURAL ENGINEER.
4. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ADHESIVES AND OTHER REQUIREMENTS FOR ADHESIVE ANCHORING.

B2 / SB602 ADHESIVE ANCHORS IN CONCRETE SCHEDULE

NO SCALE

ADD ALTERNATE:
IF THE COMPACTED BASE MATERIAL IS COMPROMISED AND THE VAPOR BARRIER IS BEYOND REPAIR, RE-COMPACT THE BASE FLAT AND PROVIDE NEW VAPOR BARRIER.



A5 / SB602 ADD ALTERNATE 02 NEW VAPOR BARRIER

NO SCALE

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REINFORCING SCHEDULES

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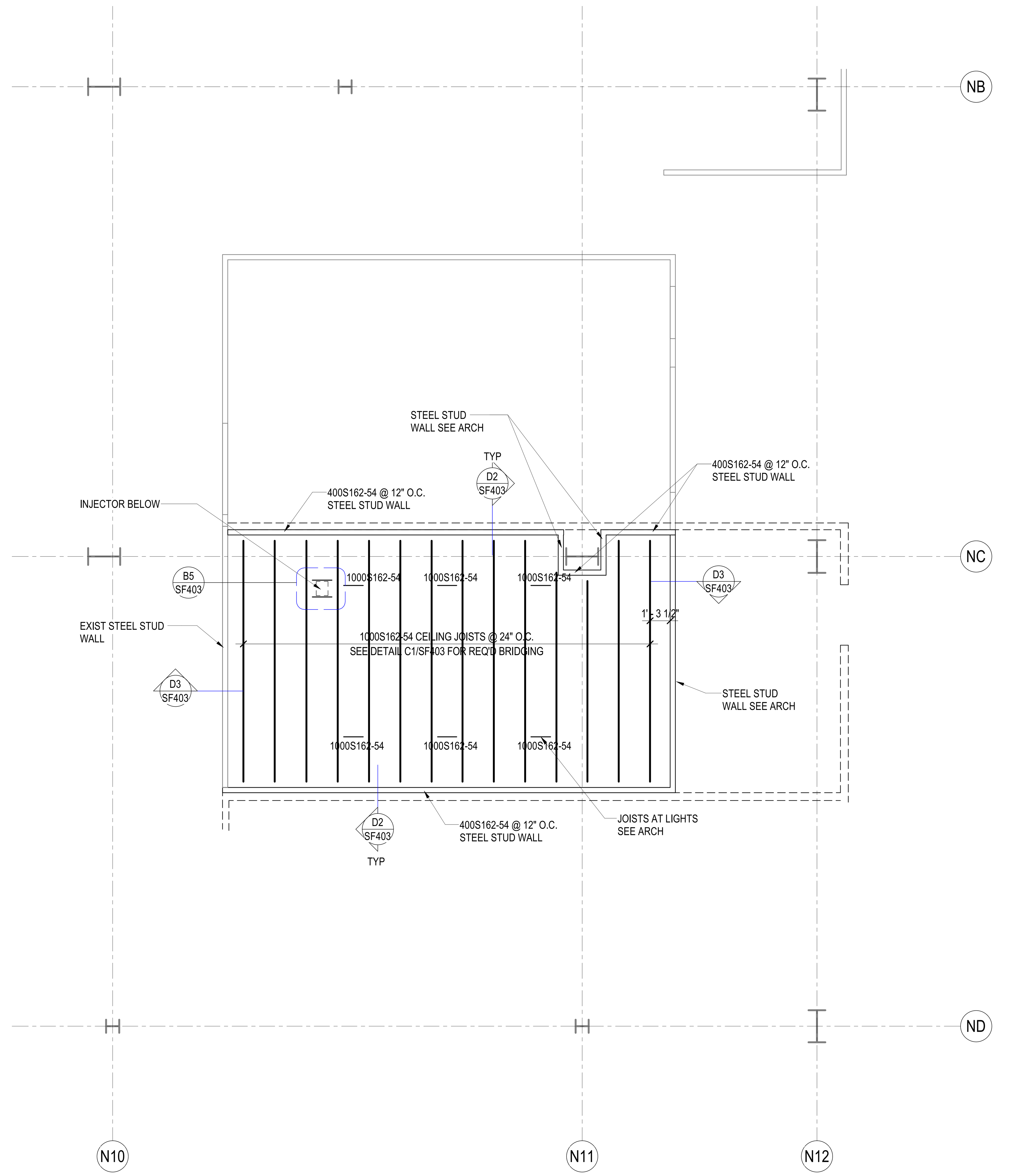
100% CONSTRUCTION DOCUMENTS

CEILING FRAMING PLAN NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR LEAD-LINED GYP SPECIFICATION AND REQUIRED LOCATIONS.
2. THE LEAD-LINED GYPSUM BOARD CONNECTIONS TO THE LIGHT GAUGE STUD WALLS OR CEILING SHALL BE #8 SCREWS @ 6" O.C. @ EDGE OF SHEET AND 12" O.C. IN FIELD.
3. PROVIDE BLOCKING AS NEEDED AT GYP BOARD JOINTS.



A1 SF101 PET/CT CEILING FRAMING PLAN

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

HDR

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06/28/2024

INTERMOUNTAIN HEALTHCARE
LRH PET/CT

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Structural Engineer	REAVELEY
Mechanical Engineer	VAN BOERUM & FRANK
Electrical Engineer	SPECTRUM
Plumbing Engineer	VAN BOERUM & FRANK
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	Author

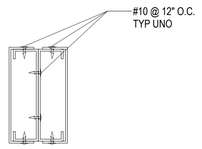
MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	06/28/2024

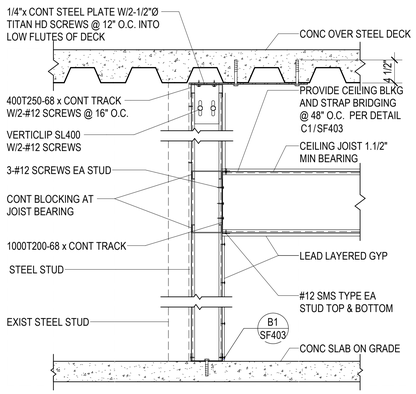
Sheet Name
CEILING FRAMING PLAN

Sheet Number
SF101

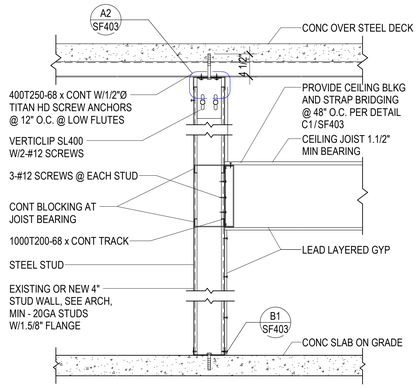
Project Status
100% CONSTRUCTION DOCUMENTS



D1 / SF403 STEEL STUD JAMB CONNECTION
NO SCALE



D2 / SF403 TYPICAL CEILING JOIST TO STEEL STUD WALL
NO SCALE



D3 / SF403 TYPICAL CEILING JOIST TO STEEL STUD WALL
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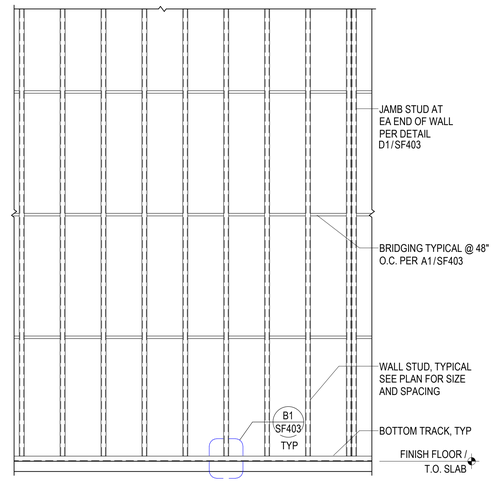

D4 / SF403 STEEL STUD WALL FRAMING ELEVATION
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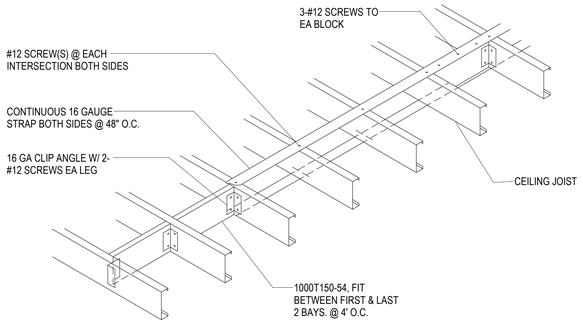
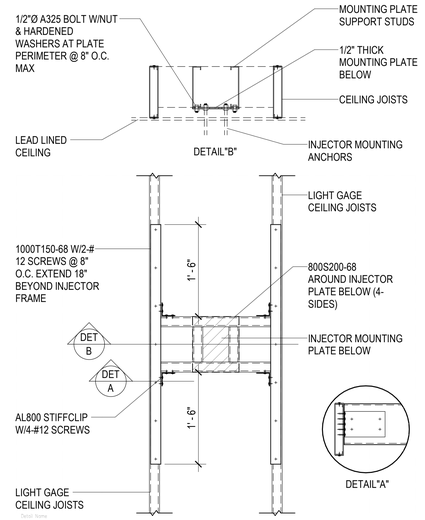
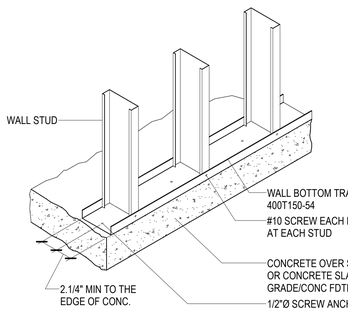
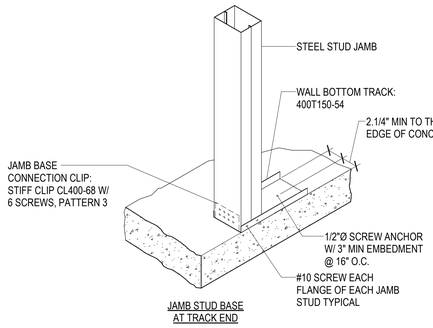


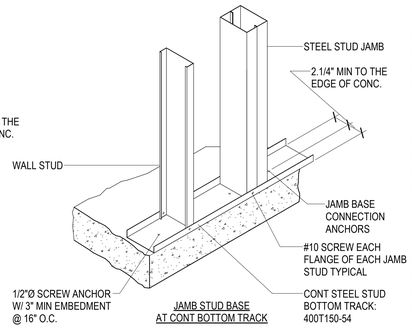
C1 / SF403 CEILING BLOCK AND STRAP BRIDGING
NO SCALE



B5 / SF403 INJECTOR SUPPORT FRAMING (PLAN VIEW)
NO SCALE







B1 / SF403 TYPICAL BOTTOM TRACK ANCHORAGE DETAILS
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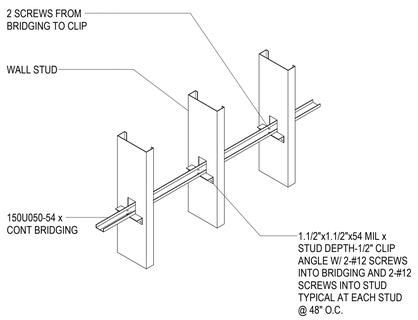

A1 / SF403 TYPICAL STEEL STUD WALL BRIDGING DETAIL
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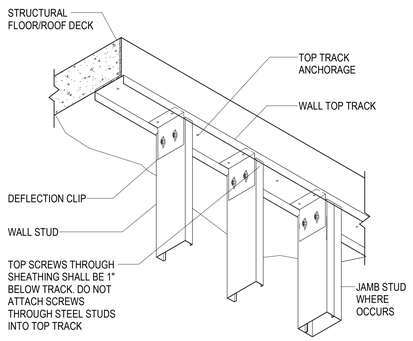

A2 / SF403 TYPICAL STEEL STUD WALL TOP CONNECTION W/ VERTICAL DEFLECTION
NO SCALE

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Equipment Planner	STEVE HOOPER
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Sheet Reviewer	Author

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Sheet Name
CEILING FRAMING DETAILS

Sheet Number
SF403

Project Status
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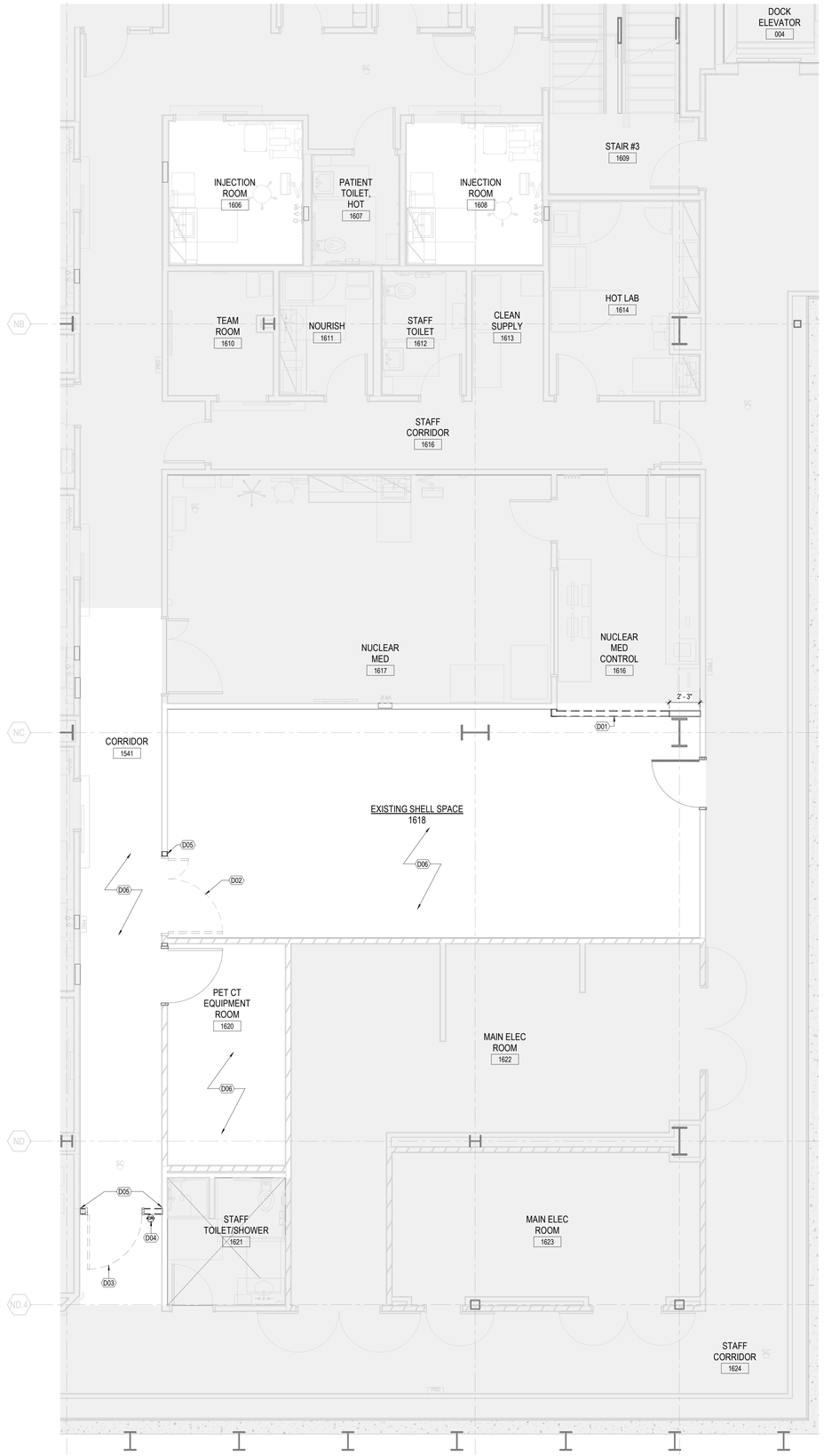


A3 DEMOLITION PLAN - LEVEL 01 - SECTOR J
1/4" = 1'-0"

DEMOLITION LEGEND

- CONSTRUCTION TO REMAIN
- CONSTRUCTION TO BE DEMOLISHED
- DOOR AND FRAME TO REMAIN
- DOOR AND FRAME TO BE DEMOLISHED
- LIMITED SCOPE AREA

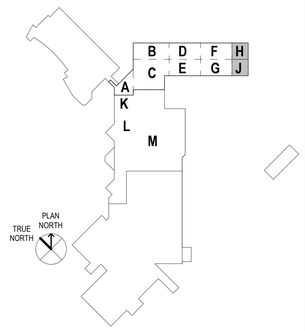
DEMOLITION GENERAL NOTES

1. DASHED GRAY LINES INDICATE EXTENT OF LIMITED DEMOLITION TO INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:
   -INTERIOR PARTITIONS REMOVED TO STRUCTURE.
   -CEILINGS WHERE INDICATED, INCLUDING CEILING SUSPENSION SYSTEMS, MISC STEEL SUPPORTS, LIGHT FIXTURES, DIFFUSERS AND GRILLES, ETC.
   -DOORS, DOOR FRAMES, WINDOW FRAMES AND GLAZING WHERE INDICATED
   -EQUIPMENT ITEMS (SEE MECHANICAL AND ELECTRICAL)
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.
3. ALL CONTINUOUS LINES INDICATE EXISTING TO REMAIN.
4. CONTRACTOR TO VERIFY ALL WALL CONSTRUCTION & FINISHES NOTED FOR REMOVAL. TAKE INTO ACCOUNT ANY DISCREPANCY AND MAKE PROPER ADJUSTMENT TO ACCOMPLISH REQUIRED CONSTRUCTION & FINISHES. IF STRUCTURAL INTEGRITY WILL BE VIOLATED, CONTACT ARCHITECT.
5. COORDINATE ALL DEMOLITION ACTIVITIES WITH HAZARDOUS MATERIALS ABATEMENT WORK WHERE APPLICABLE.
6. DO NOT DISTURB ON-GOING ACTIVITIES OF ADJACENT AREAS. INFORM INTERMOUNTAIN PROJECT MANAGER OF ANY PLANNED DISRUPTION.
7. PROVIDE TEMPORARY DUST, SIGHT, AND SOUND BARRIERS AS INDICATED IN THE SPECIFICATIONS, AS REQUESTED BY THE OWNER, AND WHEREVER NECESSARY, TO LIMIT THE AMOUNT OF NOISE, DUST, AND VISUAL POLLUTION WITHIN AND AROUND THE FACILITY. MAINTAIN OCCUPANCY AND USE OF OCCUPIED AREAS IN THE EXISTING BUILDING 24 HOURS PER DAY. THE EXACT LOCATION AND QUANTITY OF TEMPORARY BARRIERS IS TO BE DETERMINED BY THE CONSTRUCTION SCHEDULE AND WORK SEQUENCE. INTERIOR PARTITIONS ARE DEFINED FOR THESE PURPOSES AS FULL HEIGHT 3 5/8" METAL STUD WITH GWB FINISH, PAINTED (COLOR AS SELECTED BY OWNER), SOUND INSULATED WITH FULL HEIGHT 3 1/2" SOUND ATTENUATION BLANKETS, AND SEALED TOP, BOTTOM, AND ENDS TO PREVENT PASSAGE OF DUST AND NOISE. CONSTRUCT CONSTRUCTION BARRIER PER NFPA 241.
8. PROTECT AND MAINTAIN ALL EXISTING BUILDING SYSTEMS INCLUDING ALL SYSTEMS PASSING THROUGH AND ADJACENT TO AREAS REQUIRING DEMOLITION. WHERE NECESSARY, REROUTE OR CAP AS REQUIRED: WIRING, CONDUITS, PIPING, DUCTWORK, AND OTHER UTILITIES TO SERVE OCCUPIED AREAS. CONSTRUCT CONSTRUCTION BARRIERS PER NFPA 241.
9. USE ONLY DESIGNATED PATHWAYS AS ESTABLISHED BY OWNER TO REMOVE SALVAGE AND SCRAP ITEMS AND MATERIALS FROM THE PROJECT BUILDING AND SITE.
10. IF ANY ITEMS REQUIRE SUPPORT DUE TO DEMOLITION ACTIVITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUCH SUPPORT.
11. ALL CONDUITS AND CONDUCTORS THAT ARE REMOVED UNDER DEMOLITION WORK SHALL NOT BE REUSED.
12. WHERE INDICATED, DEMOLISH EXISTING LIGHTING FIXTURES AND ASSOCIATED LIGHTING CONTROL, POWER AND SPECIAL SYSTEM DEVICES AND FIRE ALARM SYSTEMS.
13. DEMOLISH CONDUIT AND WIRING BACK TO PANEL.
14. EXISTING CONSTRUCTION NOT CALLED OUT FOR REMOVAL BUT IS BEING EFFECTED BY REQUIRED DEMOLITION MUST BE REPLACED, PATCHED AND REPAIRED TO MATCH ALL NEW CONSTRUCTION.
15. ALL PENETRATIONS THROUGH SLAB TO BE REPAIRED AND FIRESTOPPED.
16. REMOVE ALL FLOOR ANCHORS IN SCOPE OF WORK.
17. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL WORK.
18. ALL CEILING MOUNTED DEVICES ARE TO BE DEMOLISHED AND DISCARDED UNLESS REQUESTED BY INTERMOUNTAIN TO BE STORED.
19. REMOVE ALL CEILING HANGERS ASSOCIATED WITH REMOVED CONSTRUCTION.
20. COORDINATE REMOVAL OF ALL SECURITY WIRING AND CARD READERS WITH OWNER PRIOR TO DEMOLITION.
21. EXISTING FURNITURE AND EQUIPMENT TO BE SALVAGED WILL BE REMOVED BY OWNER. ANY FURNITURE OR EQUIPMENT THAT REMAINS IN THE SPACE (EXCLUDING HAZARDOUS MATERIALS) TO BE REMOVED BY GENERAL CONTRACTOR.
22. PROTECT ALL EXISTING FIREPROOFING ON COLUMNS AND BEAMS. PATCH & REPAIR TO MATCH EXISTING AS REQUIRED AT LOCATIONS AFFECTED BY CONSTRUCTION.

SHEET KEYNOTES

D01	DEMO EXISTING WALL
D02	DEMO EXISTING DOOR AND FRAME
D03	DEMO EXISTING DOOR FRAME. REMOVE AND SALVAGE EXISTING DOOR FOR POTENTIAL REUSE (SEE DEDUCT ALTERNATE #1).
D04	REMOVE AND SALVAGE EXISTING CARD READER FOR RELOCATION.
D05	REMOVE EXISTING WALL FRAMING AS REQUIRED FOR SCHEDULED DOOR.
D06	COORDINATE PARTIAL DEMOLOITION OF EXISTING CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW SCOPE.

KEY PLAN



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Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	Author

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LICENSED ARCHITECT
TODD A. TIERNEY
6385878-0301
STATE OF UTAH
06-28-2024

Sheet Name

DEMOLITION PLAN - LEVEL 01 AREA J

Sheet Number

AD-101J

Project Status

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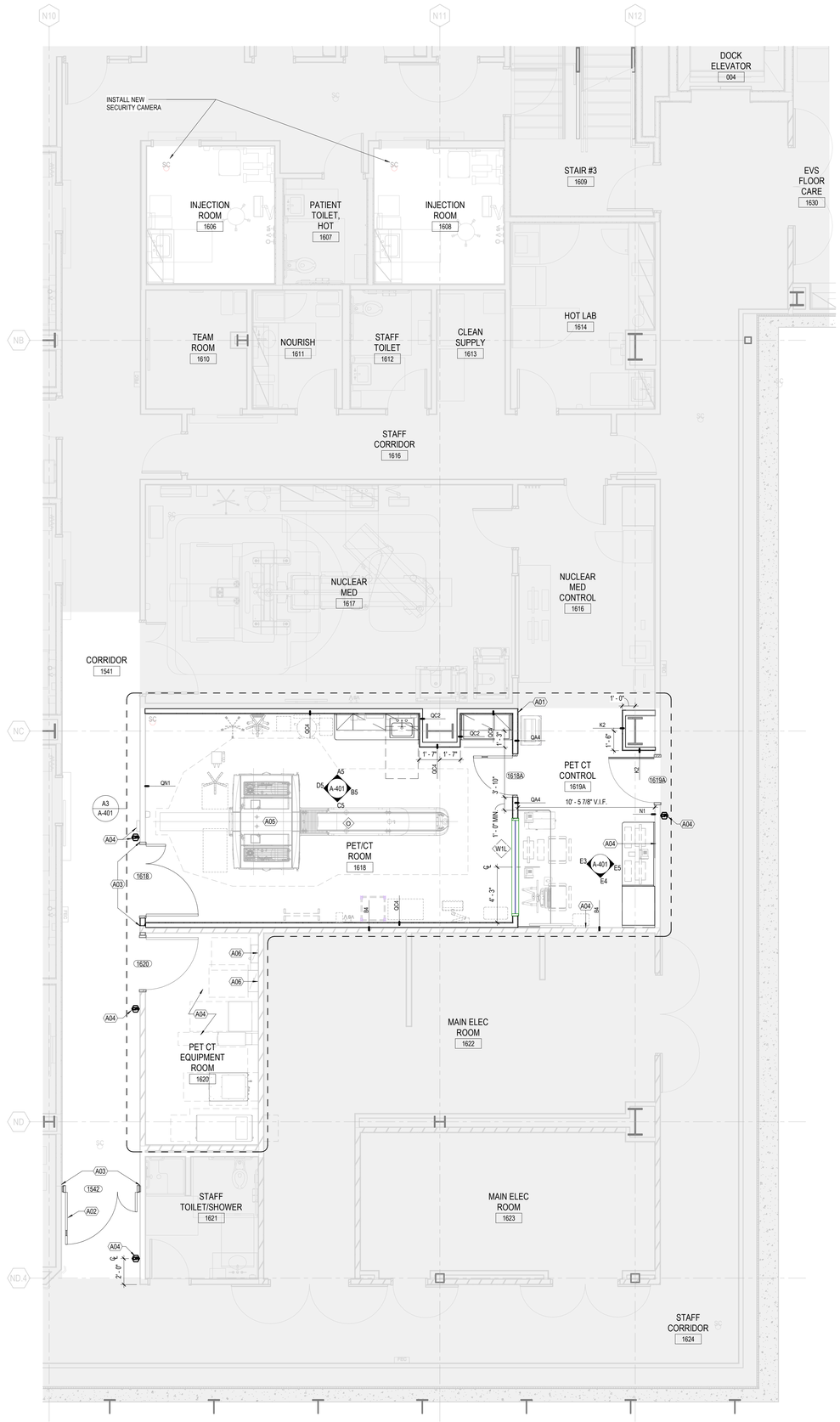


A3 FLOOR PLAN - LEVEL 01 - SECTOR J
1/4" = 1'-0"

FLOOR PLAN LEGEND

- EXISTING TO REMAIN, LIMITED SCOPE
- X — NEW GRID
- 00 — EXISTING GRID
- ? — KEYNOTE TAG
- A1 — WALL TYPE - SEE A-520
- 101 — DOOR TAG - SEE A-600'S FOR DOOR SCHEDULE
- A — WINDOW TAG - SEE A-600
- CR — CARD READER
- AD — AUTOMATIC DOOR OPERATOR
- MATCHLINE SEE XX / XXXX — MATCHLINE

PARTITION RATINGS

PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT ARE SHOWN GRAPHICALLY ON PLANS WITH HATCH PATTERNS. HALF TONE WALLS & HATCHES INDICATE EXISTING FIRE RATINGS.

PARTITION RATING GRAPHIC DESIGNATION		PRIORITY
	2 HR RATED FIRE BARRIER (SEE G-SHEETS FOR DISTINCTION)	1 HIGHEST
	1 HR RATED SMOKE BARRIER	2
	1 HR RATED FIRE BARRIER	
	1 HR RATED FIRE PARTITION (SEE G-SHEETS FOR DISTINCTION)	
	NON-RATED SMOKE PARTITION	3
	NON-RATED PARTITION	4 LOWEST

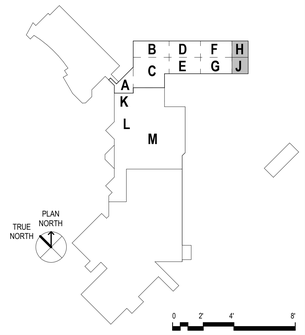
FLOOR PLAN GENERAL NOTES

1. DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS, REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
2. DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
3. ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED WALLS OR SURFACES UNLESS NOTED OTHERWISE.
4. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
5. ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
6. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
7. REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
8. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
9. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
10. REFER TO MEP DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
11. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A" UNLESS NOTED OTHERWISE.
12. HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.
13. ALL SMOKE BARRIER WALLS ARE TO BE EXTENDED FROM BACK SIDE OF EXTERIOR WALL SHEATHING TO BACK SIDE OF EXTERIOR WALL SHEATHING OR ANOTHER SMOKE BARRIER WALL.

SHEET KEYNOTES

A01	ALIGN FACE OF WALL WITH FACE OF EXISTING.
A02	PROVIDE DEDUCT ALTERNATE #1 TO SALVAGE EXISTING 48" DOOR LEAF IN LIEU OF FURNISHING NEW. PREP AS REQUIRED FOR SCHEDULED DOOR FRAME AND HARDWARE.
A03	REMOVE, PATCH, AND REPAIR EXISTING WALL FRAMING, GWB, AND FINISHES AS REQUIRED TO INSTALL SCHEDULED DOOR & ASSOCIATED HARDWARE.
A04	REMOVE, PATCH, AND REPAIR EXISTING GWB AS REQUIRED FOR SCHEDULED IN WALL SYSTEMS. REFER TO ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS.
A05	REFER TO OWNER VENDOR SITE-SPECIFIC DRAWINGS FOR FLOOR LEVELNESS, ANCHORING, AND FLOOR STRUCTURE REQUIREMENTS.
A06	PROVIDE SUPPORT BACKING IN COORDINATION WITH OWNER VENDOR SITE-SPECIFIC DRAWINGS PER VENDOR REQUIREMENTS.

KEY PLAN



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Wayfinding	N/A
Sheet Reviewer	Author

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Project Number	10394230
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LICENSED ARCHITECT
TODD A. TIERNEY
6385878-0301
STATE OF UTAH
06-28-2024

Sheet Name
FLOOR PLAN - LEVEL 01 AREA J

Sheet Number
A-101J

Project Status
100% CONSTRUCTION DOCUMENTS

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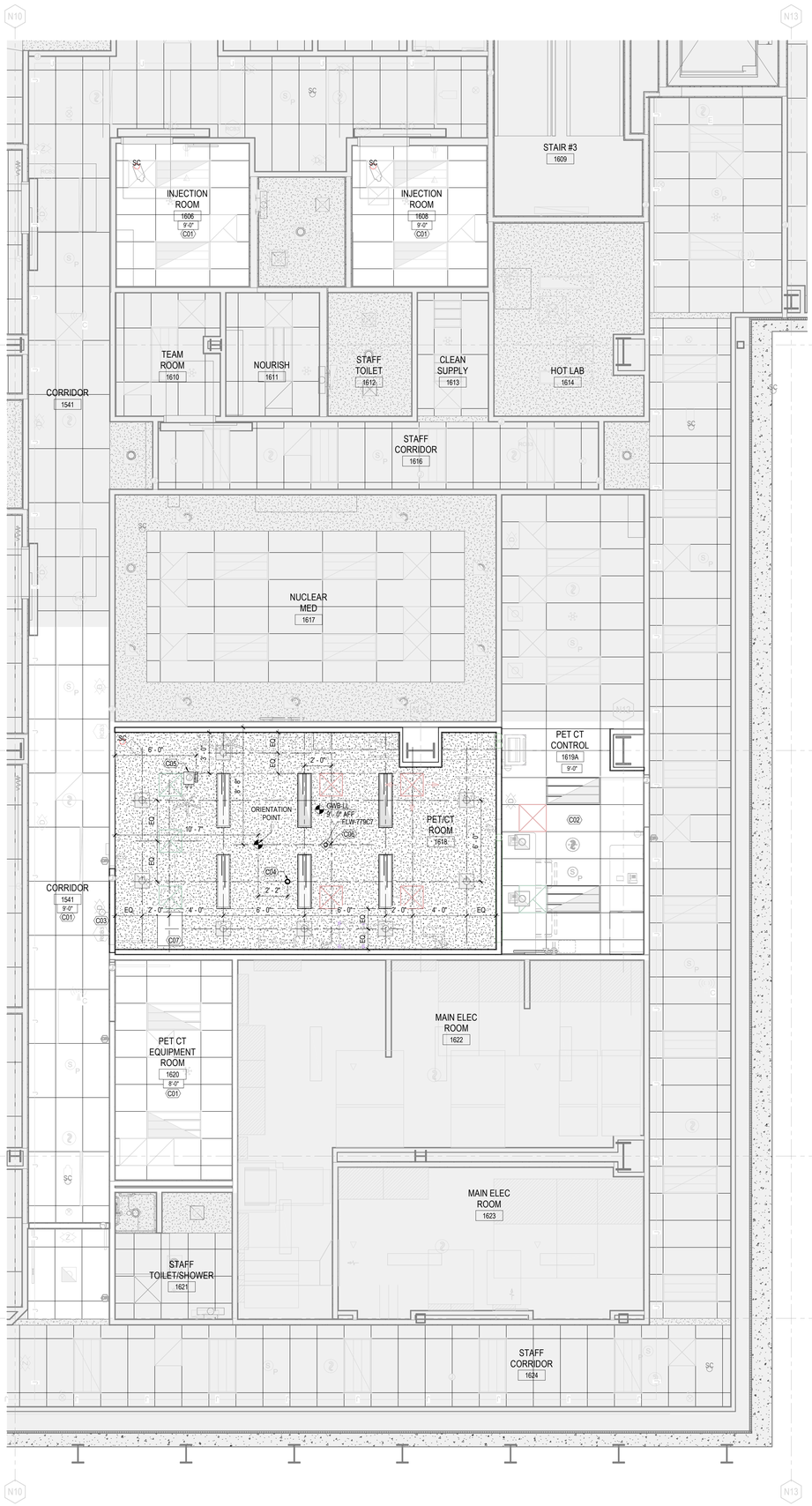
08_110 Plans

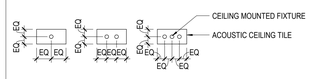


RCP LEGEND

- ACOUSTICAL TILE CEILING ACT-1 (24"X48") U.N.O.
- ACOUSTICAL TILE CEILING ACT-2 (24"X24") U.N.O.
- GWB — GYPSUM WALL BOARD CEILING - PT1 U.N.O.
- GWB-LL — GYPSUM WALL BOARD CEILING - LEAD LINED - PT1 U.N.O.
- 2x4 TROFFER LIGHT
- 1x4 TROFFER LIGHT
- 2x4 TROFFER LIGHT
- 6" CAN LIGHT
- DIFFUSER- SUPPLY
- DIFFUSER- RETURN
- DIFFUSER- EXHAUST
- EXIT SIGN- SINGLE
- EXIT SIGN- DOUBLE
- S — SPEAKER
- SC — SECURITY CAMERA
- M — CEILING MICROPHONE
- D — NURSE CALL LIGHT
- FIRE SPRINKLER HEAD

RCP GENERAL NOTES

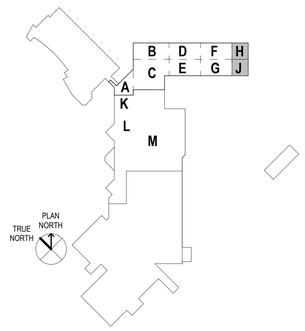
1. ALL CEILINGS ARE TO BE INSTALLED AT 9'-0" AFF UNLESS NOTED OTHERWISE. CONTRACTOR TO NOTIFY ARCHITECT IF CONFLICT ARISES IN THE FIELD WITH CEILING HEIGHT INDICATED.
2. ALL CEILING FIXTURE DIMENSIONS ARE TO CENTERLINE OF THE FIXTURE UNLESS NOTED OTHERWISE.
3. CENTER ALL CEILING HUNG DEVICES SUCH AS SPEAKERS, SMOKE DETECTORS, FIRE STROBES, FIRE SPRINKLER HEADS, ETC. IN CEILING TILE.
4. GYP. CEILINGS TO BE PAINTED IN THE MATCHING PAINT TYPE WHEN WALLS ARE PAINTED WITH PTE OR PTSR PAINT.
5. NOTE: COORDINATE REQUIRED ACCESS PANEL LOCATIONS IN GYP. CEILINGS WITH MECHANICAL AND ELECTRICAL CONTRACTOR. REFER TO DETAIL D5/AI540.
6. REFER TO SPRINKLER DRAWINGS FOR EXACT HEAD LOCATIONS



SHEET KEYNOTES

C01	EXISTING CEILING TO REMAIN. REMOVE, PATCH, AND REPAIR AS REQUIRED - COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING SCOPE.
C02	PROVIDE 3" MINERAL WOOL BATT INSULATION ABOVE CEILING FOR ACOUSTIC SEPARATION FROM FAN COIL UNIT ABOVE. ALIGN CEILING GRID AS AN EXTENSION OF EXISTING CONTROL ROOM CEILING.
C03	EQUIPMENT-IN-USE LIGHT MOUNTED ABOVE DOOR
C04	CEILING MOUNTED JUNCTION BOX FOR EKG CABLING - REFER TO ELECTRICAL DRAWINGS.
C05	CEILING MOUNTED CONTRAST INJECTOR - COORDINATE WITH EQUIPMENT PLANS AND OWNER-PROVIDED EQUIPMENT LIST.
C06	CEILING MOUNTED OXYGEN OUTLET
C07	30" X 22" LEAD-LINED ACCESS PANEL - 08 31 13

KEY PLAN



A3 REFLECTED CEILING PLAN - LEVEL 1 AREA J
1/4" = 1'-0"

HDR ARCHITECTURE P.C.
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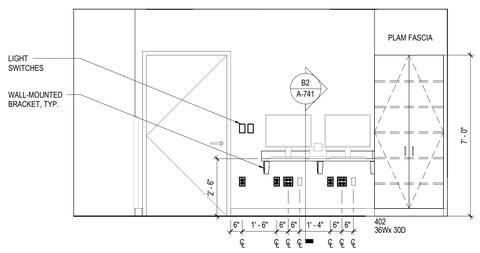
LICENSED ARCHITECT
6385878-0301
BENJAMIN A. TURNER
STATE OF UTAH
06-28-2024

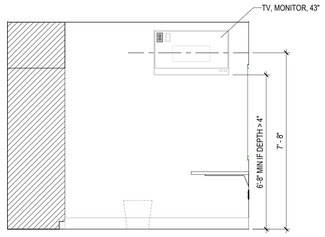
Sheet Name
REFLECTED CEILING PLAN - LEVEL 01

Sheet Number
AC-101J

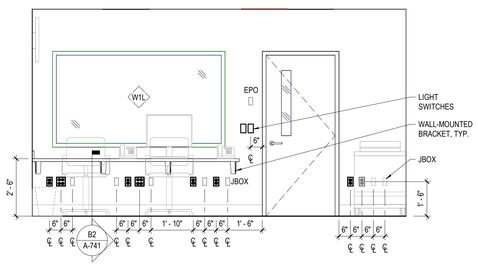
Project Status
100% CONSTRUCTION DOCUMENTS



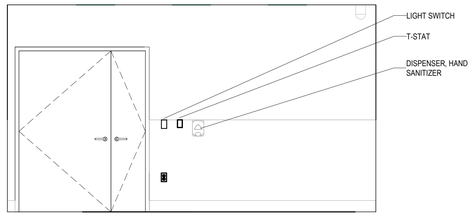
E5 PET CT CONTROL ELEVATION - EAST
3/8" = 1'-0"



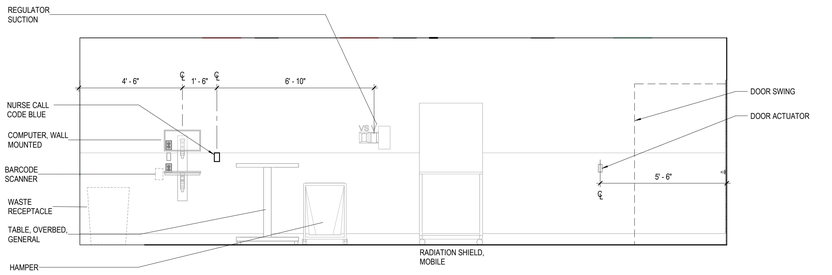
E4 PET CT CONTROL ELEVATION - SOUTH
3/8" = 1'-0"



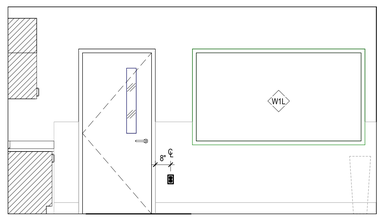
E3 PET CT CONTROL ELEVATION - WEST
3/8" = 1'-0"



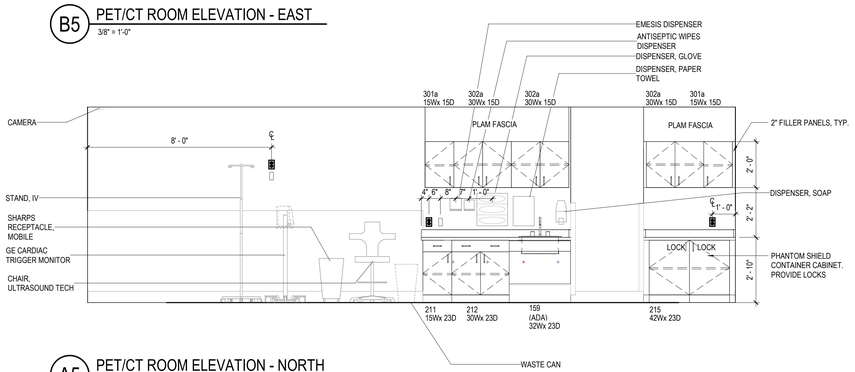
D5 PET/CT ROOM ELEVATION - WEST
3/8" = 1'-0"



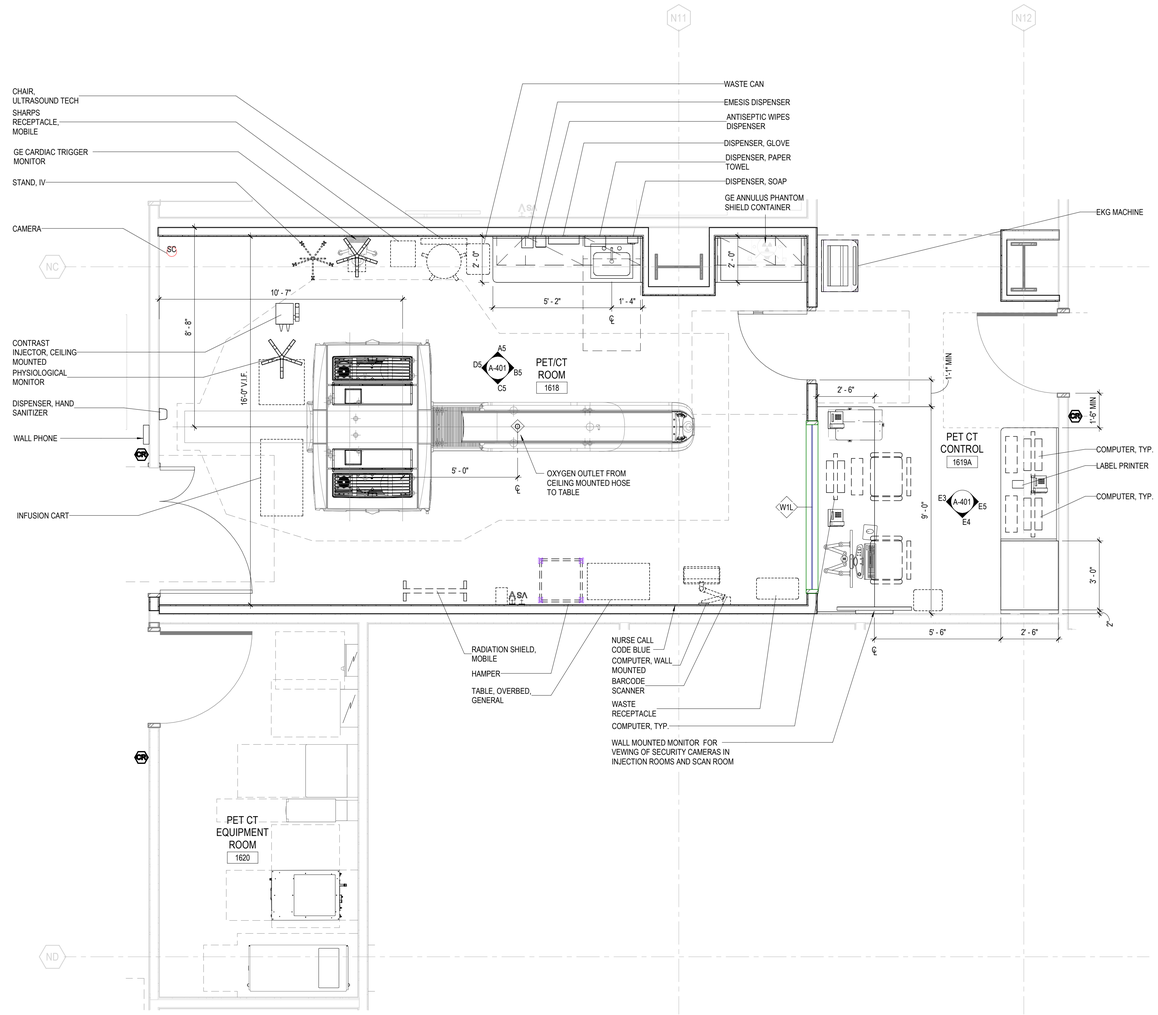
C5 PET/CT ROOM ELEVATION - SOUTH
3/8" = 1'-0"



B5 PET/CT ROOM ELEVATION - EAST
3/8" = 1'-0"



A5 PET/CT ROOM ELEVATION - NORTH
3/8" = 1'-0"



A3 PET/CT - ENLARGED FLOOR PLAN
3/8" = 1'-0"

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Project Architect	BEN HICKMAN
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Interior Designer	RUBY THORP
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Wayfinding	N/A
Sheet Reviewer	

MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	6/28/2024

LICENSED ARCHITECT
TODD A. TIERNEY
6385878-0301
STATE OF UTAH
06-28-2024

Sheet Name
ENLARGED VIEWS - PET CT ROOM

Sheet Number
A-401

Project Status
100% CONSTRUCTION DOCUMENTS

DOOR ABBREVIATIONS

AD	AUTOMATIC DOOR ACTUATOR
ADW	AUTOMATIC DOOR ACTUATOR (HAND WAVE)
ADC	AUTOMATIC DOOR CLOSER
AL	ALUMINUM
ANOD	CLEAR ANODIZED
AUTO	AUTOMATIC OPERATOR
CR	CARD READER
DB	DOOR BELL
DI	DOOR INTERLOCK
EL	ELECTRONIC
EEB	EMERGENCY EXIT BUTTON
ETR	EXISTING TO REMAIN
HM	HOLLOW METAL
HOEC	HOLD-OPEN ELECTRIFIED CLOSER
ICR	INTEGRATED ACCESS CONTROL DEVICE
IL	INDICATOR LIGHT
KS	KEYSWITCH
KPD	KEY PAD
LL	LEAD-LINED DOOR & FRAME
MAG	MAGLOCK
MFGS	MANUFACTURER STANDARD
MHO	MAGNETIC HOLD OPEN
MS	MOTION SENSOR
PTM	PAINTED - SEE FINISH LEGEND
REX	REQUEST TO EXIT BUTTON
RR	RADIATION-RESISTANT GLAZING
SALV	EXISTING SALVAGED
SC	SAFEZONE CLOSER
SD	SOUND DAMPENING (LESS THAN STC 35)
SMOKE	SMOKE PROTECTED OPENING
STN	STAINED
VNR	VENEER - STAINED, U.N.O.
WD	WOOD DOOR

DOOR & WINDOW GENERAL NOTES

1. ALL PUSH PLATES ARE TO BE LOCATED 10'-12' AWAY FROM DOOR OPENING U.N.O.ON RIGHT SIDE
2. PROVIDE SEALANT BETWEEN ALL HOLLOW METAL FRAMES AND SCHEDULED FLOORING (EXCEPT CARPET).
3. PROVIDE SEALANT BETWEEN FRAME AND WALL ON ALL SIDES. TYP.
4. GAPS BETWEEN THE FRAME AND FLOORING ARE LIMITED TO 1/8" MAX. USE FLOOR LEVELING COMPOUND TO RESOLVE LARGER GAPS.
5. GAPS BETWEEN FRAME AND DOOR ARE LIMITED TO 1/8" MAX.
6. DOOR INSTALLER TO CHECK PRE-INSTALLED FRAME FOR PLUMB, RACK AND PLANE BEFORE FURTHER INSTALLATIONS.
7. DOOR CLOSERS TO BE MOUNTED ON THE NON-CORRIDOR SIDE OF DOORS.
8. INSULATE DOOR FRAMES, KING STUDS AND HEADERS AS REQUIRED FOR THE WALL TYPE.

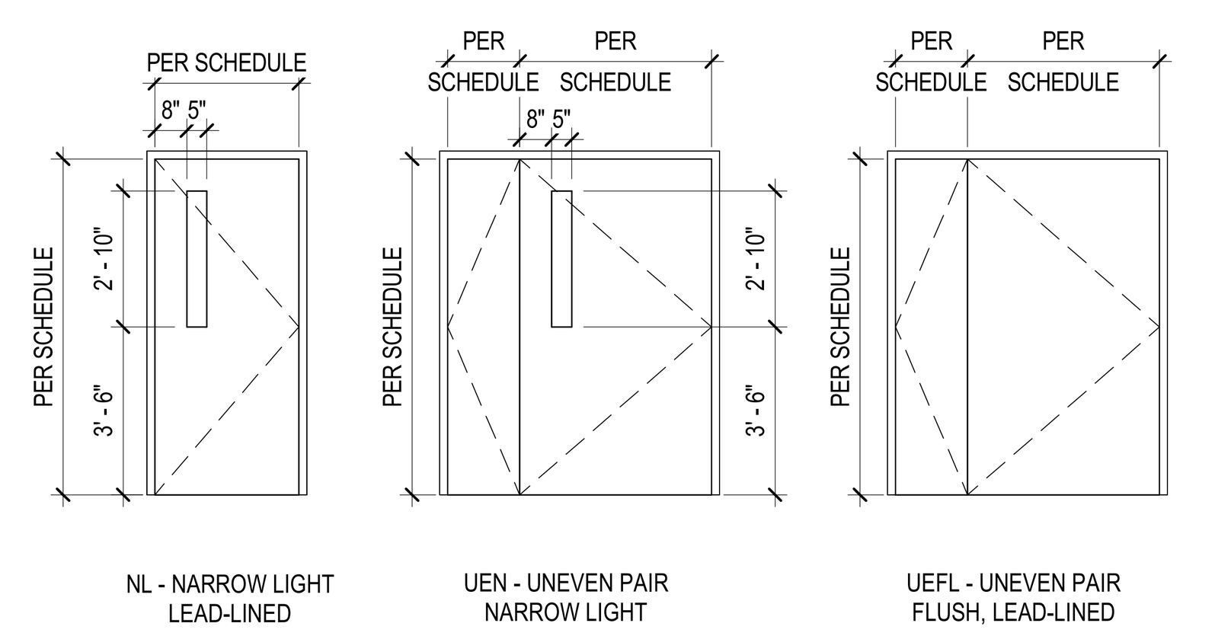
9. AHO = AUTOMATIC OPERATOR HAS INTEGRATED HOLD-OPEN FEATURE SMILAR TO A WALL MOUNTED MAG HOLD-OPEN DEVICE (DOORS CAN BE TOGGELED TO HOLD-OPEN POSITION DURING NORMAL BUISNESS HOURS). FURNISH AND INSTALL FIRE ALARM DROP SO THAT IN THE EVENT OF FLS OR EMERGENCY OR LOSS OF BUILDING POWER AUTOMATIC OPERATOR POWER WILL BE FULL DISENGAGED (DOOR TO SELF-CLOSE AND SELF-LATCH DOORS IN AN EMERGENCY). ELECTRICAL TO FURNISH & INSTALL COMPONENTS INCLUDING BUT NOT LIMITED TO WIRE, CONDUIT, AND CONNECTIVITY.

10. HO - WALL ELECTRO-MECHANICAL MAG HOLD-OPENS. FURNISH AND INSTALL FIRE ALARM DROP. IN THE EVENT OF FLS OR EMERGENY OR LOSS OF BUILDING POWER. WALL MOUNTED ELECTRO-MECHANICAL HOLD-OPEN DEVICES TO HAVE POWER DROPPED (DOOR TO SELF-CLOSE AND SELF-LATCH DOORS IN AN EMERGENCY). ELECTRICAL TO FURNISH & INSTALL COMPONENTS INCLUDING BUT NOT LIMITED TO WIRE, CONDUIT, AND CONNECTIVITY.

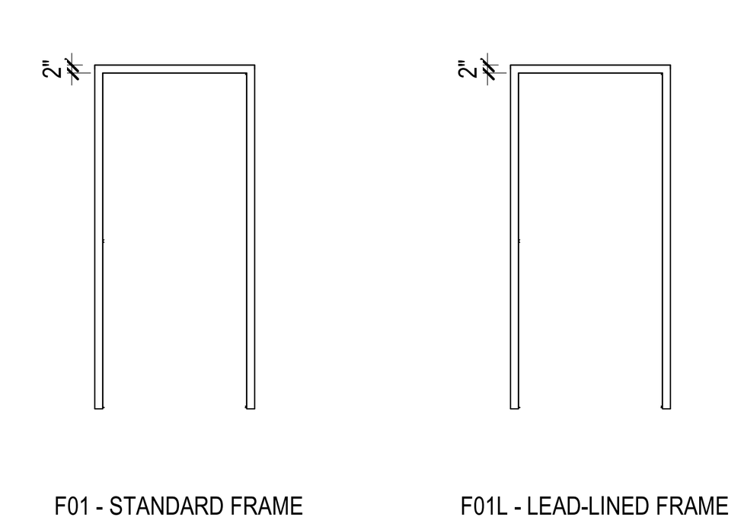
11. CHO = CLOSER HAS INTEGRATED HOLD-OPEN FEATURE SIMILAR TO A WALL MOUNTED MAG HOLD-OPEN DEVICE. FURNISH AND INSTALL FIRE ALARM DROP. IN THE EVENT OF FLS OR EMERGENCY OR LOSS OF BUILDING POWER INTEGRATED HOLD-OPEN FEATURE TO HAVE POWER DROPPED (DOOR TO SELF-CLOSE AND SELF-LATCH DOORS IN AN EMERGENCY). ELECTRICAL TO FURNISH & INSTALL COMPONENTS INCLUDING BUT NOT LIMITED TO WIRE, CONDUIT, AND CONNECTIVITY.

DOOR AND FRAME SCHEDULE

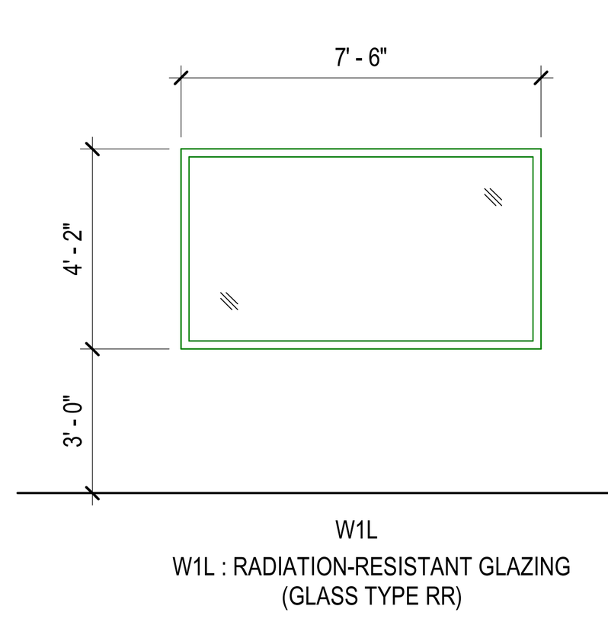
IDENTIFICATION			DIMENSIONS					PANEL				FRAME					HARDWARE	
			OPENING WIDTH															
LEVEL	ROOM NAME	DOOR NO.	W1	W2	Total Width	H	T	Panel Type	Material	Finish	Glazing Type	TYPE	Material	Finish	FIRE RATING	STC Rating	SET	NOTES
LEVEL 01	CORRIDOR	1542	4' - 0"	1' - 6"	5' - 6"	7' - 0"	1 3/4"	UEN	WD	MFGS	T	F01	HM	PTM1			201	CR
LEVEL 01	PET/CT ROOM	1618	4' - 0"	1' - 6"	5' - 6"	7' - 0"	1 3/4"	UEFL	WD	MFGS		F01L	HM	PTM1		SD	202	CR, AO, LEAD-LINED
LEVEL 01	PET CT CONTROL	1618A	3' - 0"		3' - 0"	7' - 0"	1 3/4"	NL	WD	MFGS	RR	F01L	HM	PTM1		SD	203	LEAD-LINED
LEVEL 01	PET CT CONTROL	1619A	3' - 6"		3' - 6"	7' - 0"	1 3/4"	ETR	ETR	ETR		ETR	ETR	ETR		SD	204	CR
LEVEL 01	PET CT EQUIPMENT ROOM	1620	4' - 0"		4' - 0"	7' - 0"	1 3/4"	ETR	ETR	ETR		ETR	ETR	ETR	45		204	CR
Grand total: 5																		



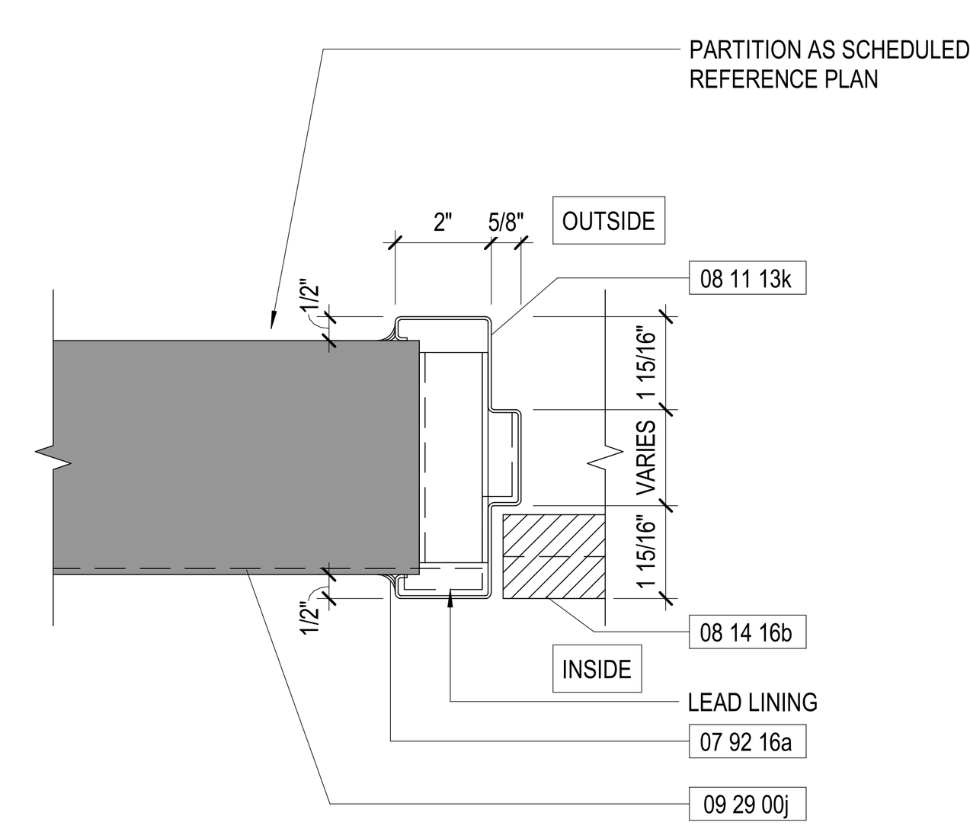
DOOR TYPES
1/4" = 1'-0"



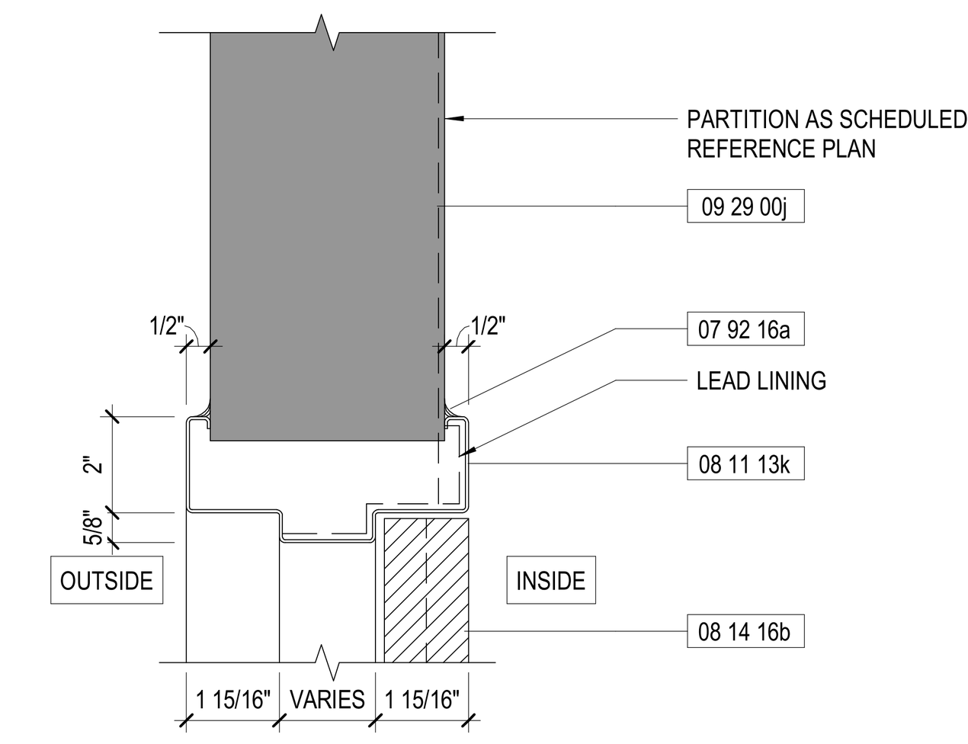
FRAME TYPES
1/4" = 1'-0"



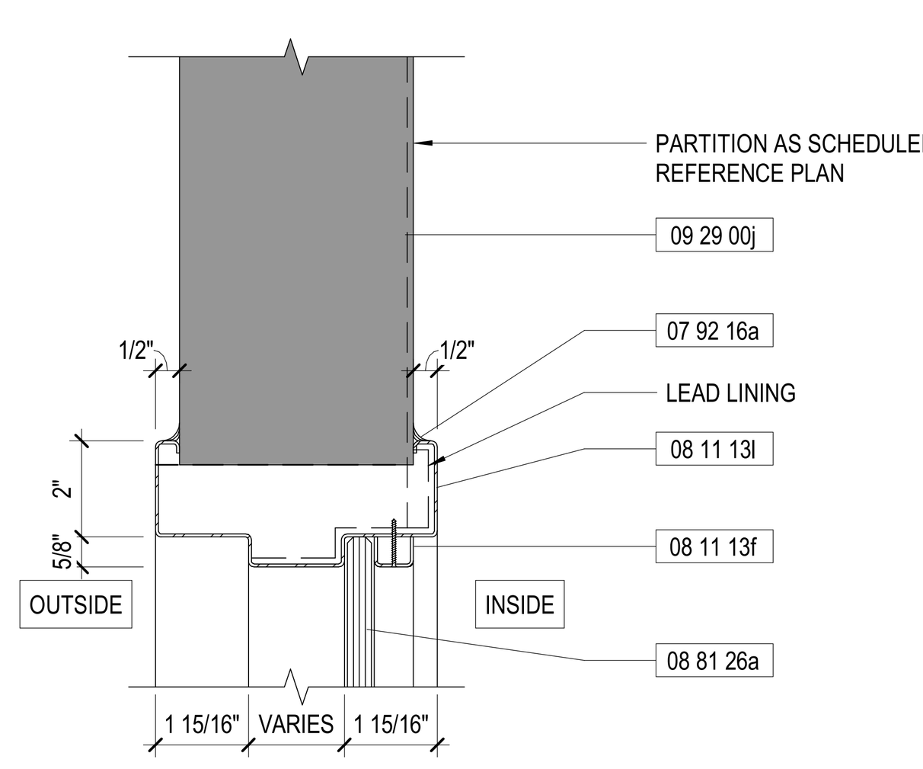
INTERIOR WINDOW TYPE
1/4" = 1'-0"



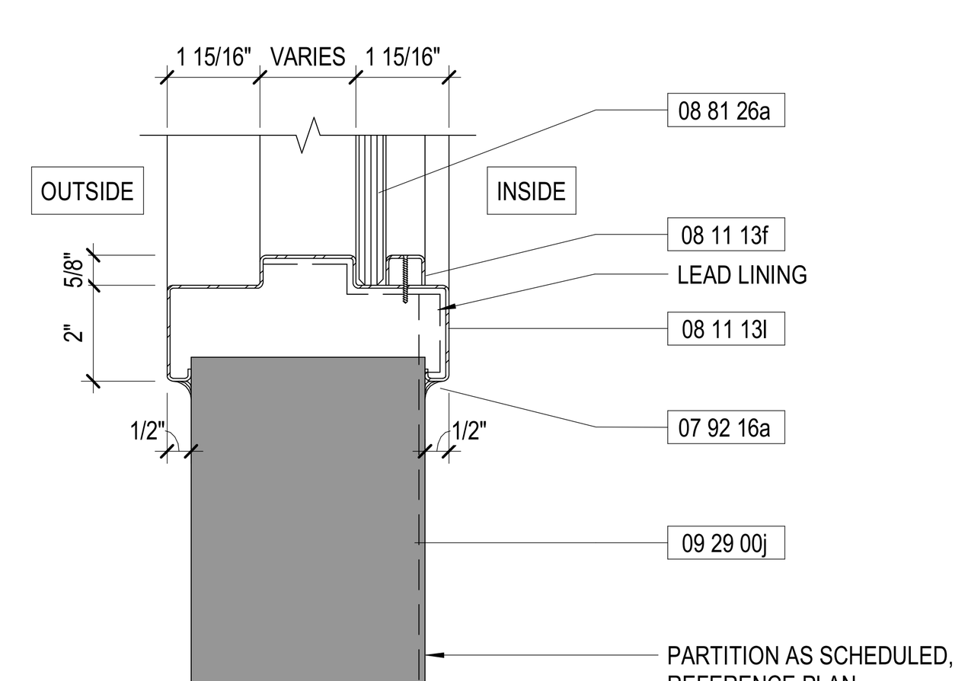
B3 JAMB - HM INTERIOR DOOR - LEAD LINED
3" = 1'-0"



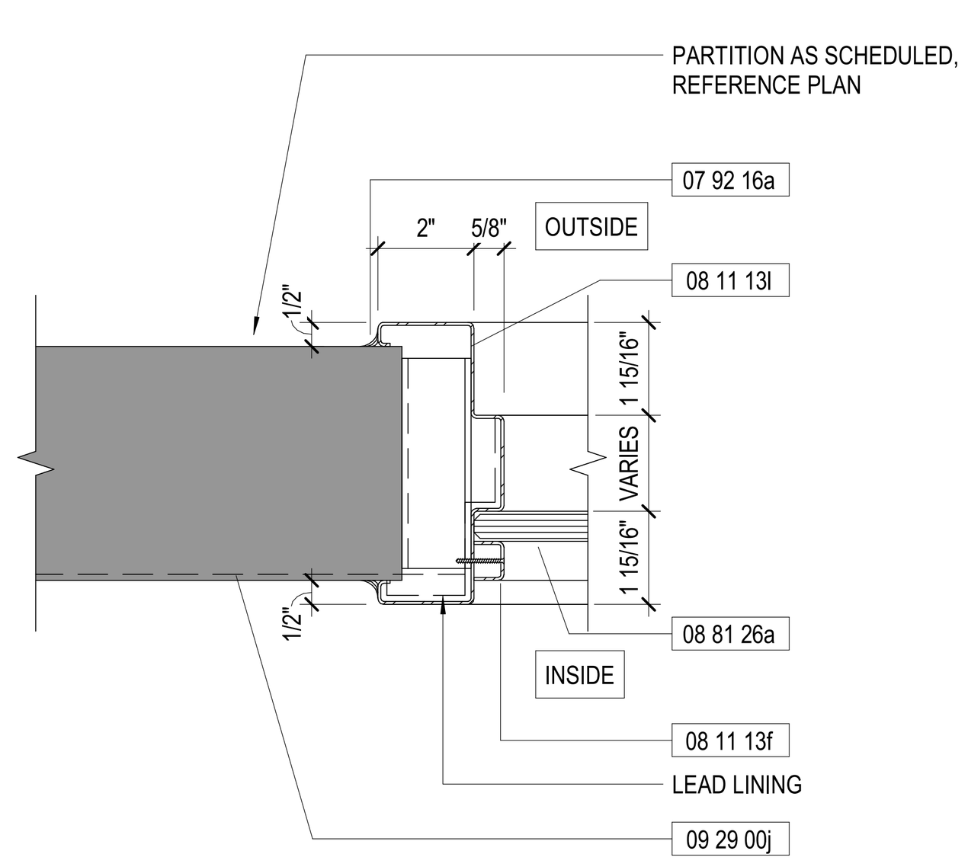
B2 HEAD - HM INTERIOR DOOR - LEAD LINED
3" = 1'-0"



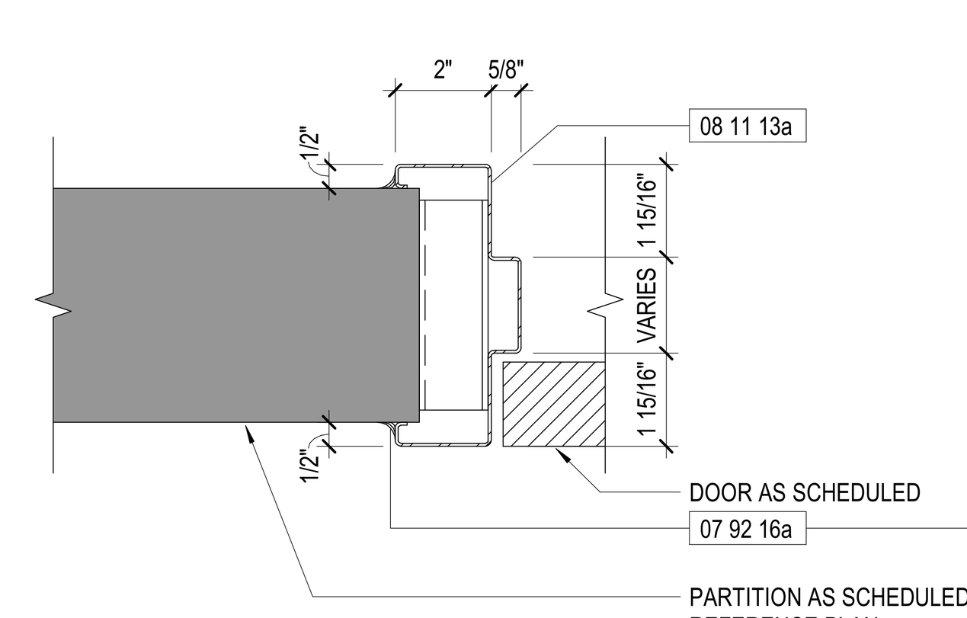
A6 HEAD - HM BORROWED LITE - LEAD LINED
3" = 1'-0"



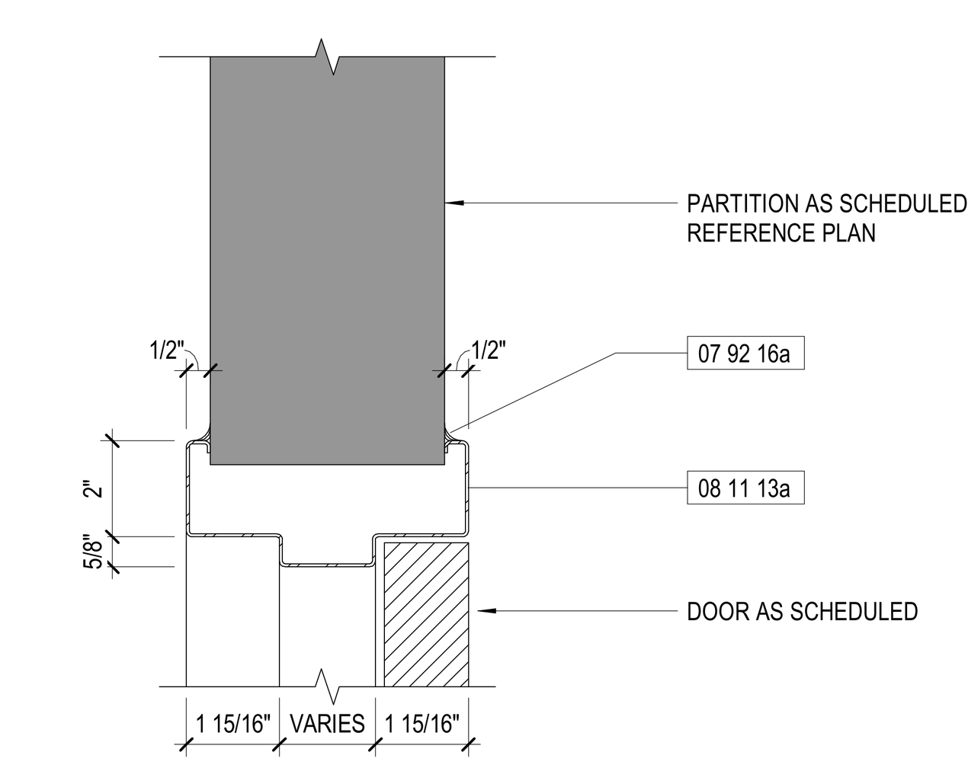
A5 SILL - HM BORROWED LITE - LEAD LINED
3" = 1'-0"



A4 JAMB - HM BORROWED LITE - LEAD LINED
3" = 1'-0"



A3 JAMB - HM INTERIOR DOOR
3" = 1'-0"



A2 HEAD - HM INTERIOR DOOR
3" = 1'-0"

SHEET KEYNOTES

07 92 16a	INTERIOR SEALANT EACH SIDE AND ALL ROUND, TYP.
08 11 13a	HOLLOW METAL DOOR FRAME
08 11 13f	LEAD-LINED WINDOW STOP
08 11 13k	LEAD-LINED HOLLOW METAL DOOR FRAME
08 11 13l	LEAD-LINED HOLLOW METAL WINDOW FRAME
08 14 16b	LEAD-LINED DOOR
08 81 26a	RADIATION-RESISTANT GLAZING - TYPE RR
09 29 00j	LEAD-LINED GWB, THICKNESS PER SHIELDING REPORT

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Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

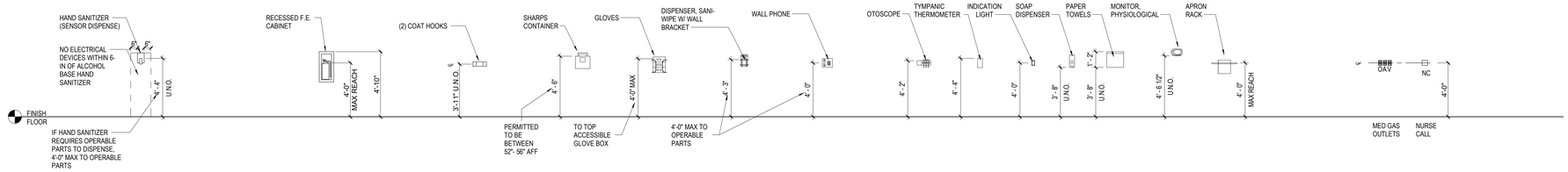
Project Number 10394230
Original Issue 6/28/2024

06-28-2024

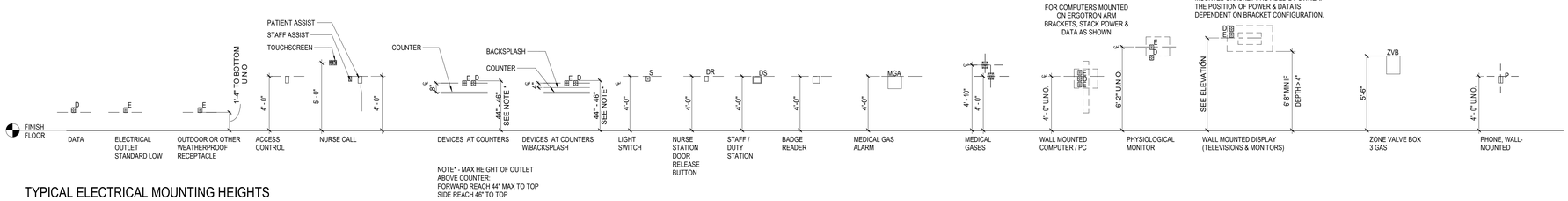
Sheet Name
DOOR & WINDOW SCHEDULES & DETAILS

Sheet Number
A-600

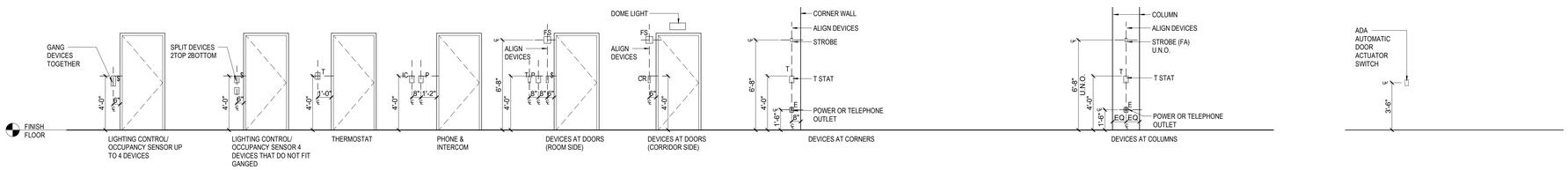
Project Status
100% CONSTRUCTION DOCUMENTS



TYPICAL MISCELLANEOUS WALL MOUNTED EQUIPMENT MOUNTING HEIGHTS



TYPICAL ELECTRICAL MOUNTING HEIGHTS



TYPICAL ELECTRICAL MOUNTING HEIGHTS CONTD

C2 STANDARD MOUNTING HEIGHTS

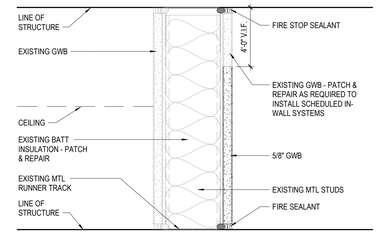
1/4" = 1'-0"

GENERAL PARTITION NOTES:

1. REFER TO SPECIFICATIONS FOR ADDITIONAL CRITERIA SUCH AS MINIMUM STUD SPACING, MINIMUM GAUGE AND PERMISSIBLE DEFLECTION LIMITS. SEE SECTION 05 40 00 LOAD BEARING METAL STUD SYSTEM FOR FRAMING THAT IS OUTSIDE THE SCOPE OF 09 22 16 AND ASTM C754, SUCH AS LONG HEADERS, CANTILEVERED WALLS, TALL WALLS, STRUCTURAL CEILINGS AND THEIR SUPPORTS. WALLS EXCEEDING SPAN TABLES AND OTHER UNUSUAL FRAMING CONDITIONS.
2. SEALANTS INDICATED MAY BE FOR FIRE RATING, SMOKE RATING, AIR PRESSURE CONTAINMENT, ACOUSTIC RATING, VERMIN CONTROL, MOVEMENT (CRACK) CONTROL AND/OR BIOLOGICAL CONTAINMENT. SEALANT JOINTS ARE TO BE SIZED FOR EXPECTED MOVEMENT OF JOINT WITH EXPANSION/CONTRACTION CAPACITY OF SEALANT MATERIAL TO MAINTAIN THE INTEGRITY OF THE SEAL FOR THESE APPLICABLE PARAMETERS. SEE SPECIFICATION SECTION 07 92 16 FOR INTERIOR JOINT SEALANTS.
3. REFER TO SECTION 07 84 00 FOR HEAD-OF-WALL FIRESTOPPING AND SEALING OF THRU-WALL PENETRATIONS.
4. "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.

   ALL DIMENSIONS ARE FROM FACE TO FACE, OR CENTERLINE TO CENTERLINE, U.N.O.
5. LEAD LINING REQUIREMENTS ARE SPECIFIED IN SECTION 09 29 00 AND 13 49 00. WHERE LEAD LINING IS INDICATED IN PLAN, LEAD LINING IS TO BE PLACED ON RADIOGRAPHIC SIDE OF ROOM AND TO EXTEND TO UNDERSIDE OF CEILING, U.N.O. LEAD THICKNESS IS SPECIFIED BY OWNER'S PHYSICIST REPORT

   AT LEAD LINED PARTITIONS THAT ARE ALSO FIRE RATED, REFER TO FIRE UL FIRE RESISTANCE TEST U419, U430 OR U439.
6. FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS ARE TO CONTINUE THROUGH ALL OPENINGS IN RATED PARTITIONS.
7. SMOKE RESISTANT, FIRE RESISTANT, AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.
8. PARTITIONS ARE INDICATED WITH CONVENTIONAL GYPSUM WALLBOARD. UPGRADE TO PREMIUM TYPES AT THE FOLLOWING:
   -MOISTURE RESISTANT AT WET WALLS OF TOILET/BATHING ROOMS
   -LEAD LINED GWB AS INDICATED
   -ABUSE RESISTANT, SEE SPECS.
9. FOR WALLS INDICATED AS 'SMOKE PARTITIONS' - WALLS ARE TO EXTEND FROM FLOOR TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE. A SMOKE-TIGHT JOINT IS TO BE PROVIDED FROM TOP OF SMOKE PARTITION AND BOTTOM OF DECK.
10. FOR UL ASSEMBLIES SEE SHEET A900 SERIES.
11. PARTITION STC VALUES ARE ROUNDED TO THE NEAREST 5 POINTS AND REFLECT DESIGN INTENT +/- 2 POINTS. PER FGI, AN ASSEMBLY WITH A TESTED OR PUBLISHED STC RATING AS LOW AS 2 POINTS BELOW THAT STATED MINIMUM MAY BE CONSIDERED ACCEPTABLE.
12.



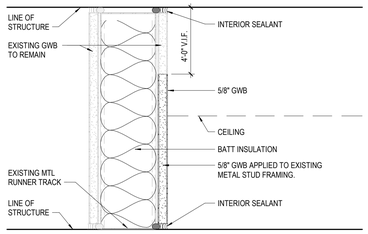
(TYPE B) 1 HOUR RATED...

NOTE: FIRE RESISTANCE TEST FOR ONE HOUR RATED WALLS: UL U465

MARK	STUD WIDTH	PRTN WIDTH	Design STC
B4	4"	5 1/4"	40

B2 (TYPE B) 1 HOUR RATED PARTITION

3" = 1'-0"

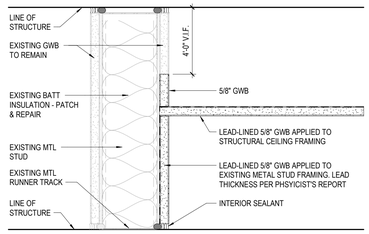


(TYPE N) DIRECT APPLIED

MARK	STUD WIDTH	PRTN WIDTH	Design STC
N1		5/8"	-

A5 (TYPE N) DIRECT APPLIED

3" = 1'-0"

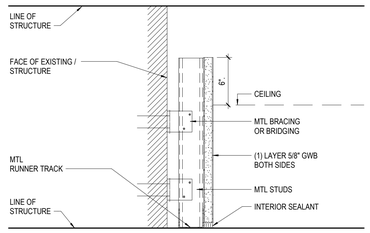


(TYPE QN) LEAD-LINED DIRECT APPLIED

MARK	STUD WIDTH	PRTN WIDTH	Design STC
QN1		5/8"	-

A4 (TYPE QN) DIRECT APPLIED LEAD-LINED

3" = 1'-0"

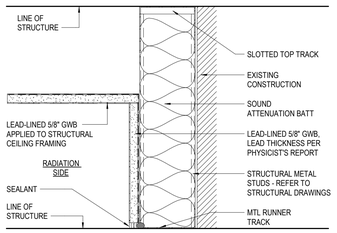


(TYPE K) FURRING PARTITION

MARK	STUD WIDTH	PRTN WIDTH	Design STC
K2	2 1/2"	3 1/8"	-

A3 (TYPE K) FURRING PARTITION

3" = 1'-0"

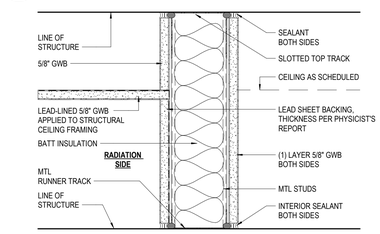


(TYPE QC) LEAD-LINED STRUCTURAL FURRING

MARK	STUD WIDTH	PRTN WIDTH	Design STC
QC2	2 1/2"	3 1/8"	-
QC3	3 5/8"	4 1/4"	-
QC4	4"	4 5/8"	-

A2 (TYPE QC) LEAD LINED STRUCTURAL FURRING

3" = 1'-0"



(TYPE QA) LEAD-LINED NR

MARK	STUD WIDTH	PRTN WIDTH	Design STC
QA4	4"	5 1/4"	40
QA6	6"	7 1/4"	40

A1 (TYPE QA) LEAD-LINED NR

3" = 1'-0"

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Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	6/28/2024

LICENSED ARCHITECT — TODD A. TIERNEY — 6385878-0301 — STATE OF UTAH
06-28-2024

Sheet Name

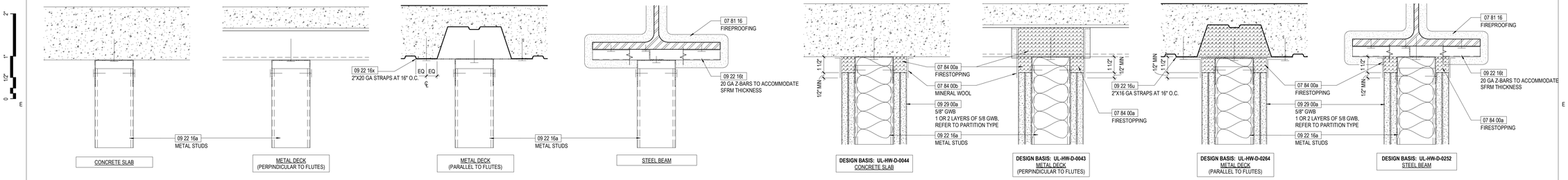
STANDARD PARTITION TYPES & MOUNTING HEIGHTS

Sheet Number

A-720

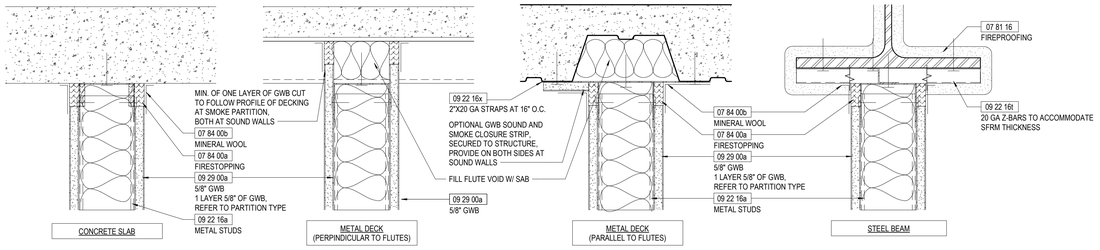
Project Status

100% CONSTRUCTION DOCUMENTS



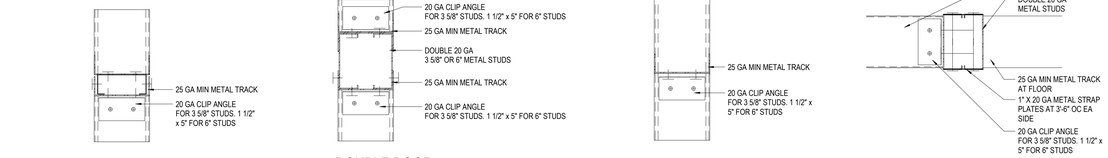
E3 STUD PARTITIONS - NON-FIRE, NON-SMOKE, NON-SOUND CONTROL PARTITIONS

3" = 1'-0"



D3 STUD PARTITIONS - SMOKE PARTITIONS AND SOUND CONTROL PARTITIONS

3" = 1'-0"



C5 DOOR OPENING HEADER — 3" = 1'-0"

C4 DOUBLE DOOR LARGE OPENING HEADER — 3" = 1'-0"

C3 OPENING HEADER — 3" = 1'-0"

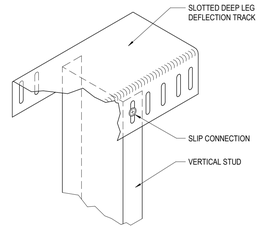
C2 LARGE OPENING JAMB STUDS — 3" = 1'-0"

C1 RATED PARTITION WITH OFFSET

1 1/2" = 1'-0"

E1 STUD PARTITIONS - FIRE RATED PARTITIONS

3" = 1'-0"



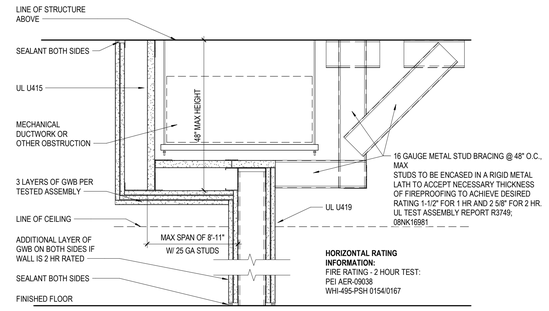
ISOMETRIC VIEW OF SLOTTED TOP TRACK

GENERAL NOTES

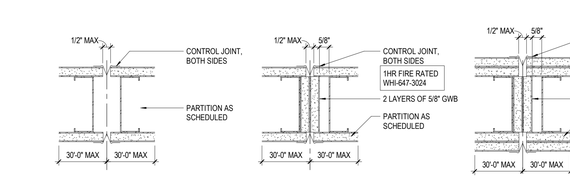
1. CONDITIONS INDICATED SHOW DESIGN INTENT, ESPECIALLY IN REGARD TO ACCOMMODATION OF STRUCTURAL DEFLECTION AND CONTINUITY OF INTEGRITY OF SOUND, SMOKE AND FIRE WALLS.
2. DESIGN INTENT DETAILS ARE NOT INTENDED TO BE PROPRIETARY. CONTRACTOR MAY EMPLOY SIMILAR HEAD-OF-WALL DESIGNS AND COMPONENTS AS APPROPRIATE FOR CONDITIONS.
3. DESIGN INTENT DETAILS MAY NOT SHOW ALL CONDITIONS TO BE ENCOUNTERED ON A PROJECT. COMPLY WITH MANUFACTURER AND UL APPROVED METHODS FOR ATYPICAL CONDITIONS.
4. SECURE TOP OF INTERIOR PARTITIONS TO SUPERSTRUCTURE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 3/4" OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
5. RIGIDLY SECURE SLOTTED TOP TRACK TO BUILDING SUPERSTRUCTURE IN AN APPROVED MANNER. EMPLOY Z-BARS, COLD-ROLLED CHANNELS OR SIMILAR SPACER TO ACCOMMODATE THICKNESS OF SECTION 07 81 16 FIREPROOFING.
6. SLOTTED TOP TRACK, INDICATED ON THESE DETAILS, IS THE BASIS FOR DESIGN AND REFERS TO DEEP-LEG TRACKS WITH VERTICALLY SLOTTED HOLES. OPTIONAL MANUFACTURERS MAY PROVIDE SIMILAR, PROPRIETARY METHODS IN ACCORDANCE WITH THE PROVISIONS OF SPECIFICATION SECTION 09 22 16.
7. SECURE VERTICAL STUDS TO SLOTTED TOP TRACK AT MID-HEIGHT OF VERTICAL SLOTS IN TRACK. COMPONENTS INTENDED TO SLIDE VERTICALLY AS SUPERSTRUCTURE DEFLECTS.
8. DO NOT SCREW GYPSUM WALLBOARD TO TOP TRACK OR SUPERSTRUCTURE. GWB SCREWS INTO THE STUDS MUST BE AT LEAST 1" BELOW THE BOTTOM OF THE TOP TRACK.
9. REFER TO PARTITION STANDARDS FOR SPECIFIC WALL TYPES.
10. AT FIRE -RATED WALLS REFER TO SPECIFICATION SECTION 07 84 00 FOR ADDITIONAL REQUIREMENTS REGARDING HEAD-OF-WALL CONDITIONS.
11. MAINTAIN ACOUSTIC RATING WHERE SOUND-CONTROL WALLS ARE INDICATED.
12. FIRESTOPPING AND ACOUSTICAL SEALANTS SHALL AUTOBOND. PROVIDE EXPOSED CLEAN SEALANT (TO CONCEAL FIRESTOPPING) AT FOOD SERVICE, FDA INSPECTED PRODUCTION FACILITIES, VIVARIA, BIOLOGICAL CONTAINMENT AND CLEAN ROOM APPLICATIONS.
13. WHERE A WALL IS DESIGNATED AS BOTH A SOUND-CONTROL WALL AND A FIRE-RATED WALL, REFER TO FIRE-RATED HEAD-OF-WALL CONDITIONS.
14. WHERE A WALL IS DESIGNATED AS A SOUND-CONTROL WALL, FILL ALL VOIDS WITH SOUND ATTENTUATION BATTS (SAB).
15. SMOKE PARTITIONS REQUIRE THAT AT LEAST ONE LAYER OF GWB, AND SOUND-CONTROL WALLS REQUIRE GWB ON BOTH SIDES, BE CUT TO FOLLOW UNDULATING SURFACES OF THE SUPERSTRUCTURE INCLUDING, BUT NOT LIMITED TO, FLUTES IN METAL DECKING. PROVIDE A CONTINUOUS BEAD OF SEALANT (AS SPECIFIED) TO SUPERSTRUCTURE.

D1 GENERAL REQUIREMENTS FOR STUD PARTITIONS

3" = 1'-0"



HORIZONTAL RATING INFORMATION:
FIRE RATING - 2 HOUR TEST:
PEI AER-09038
WHI-495-PSH 0154/0167

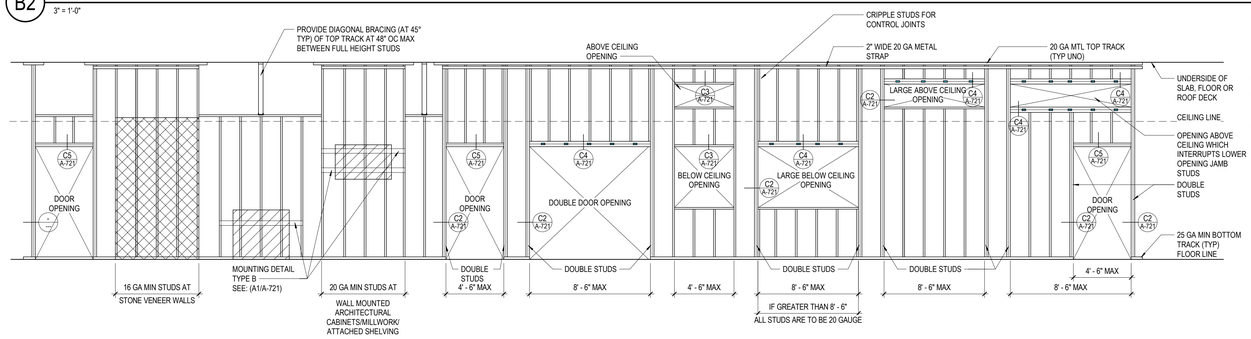


ADDITIONAL NOTES:

1. BUILDING CODE REQUIRES THAT "SMOKE PARTITIONS" BE SEALED TO STRUCTURE AS INDICATED TO SUCCESSFULLY "LIMIT THE PASSAGE OF SMOKE".
2. CONDITIONS INDICATED TO SHOW DESIGN INTENT, AND NOT INTENDED TO BE PROPRIETARY. CONTRACTOR MAY EMPLOY SIMILAR UL-APPROVED CONTROL JOINTS DESIGNS THAT ARE APPROPRIATE FOR THE SPECIFIC CONDITION. JOINTS TO BE SIZED TO ACCOMMODATE MOVEMENT CAPABILITIES OF FIRESTOP ASSEMBLY.

B2 GYPSUM WALLBOARD CONTROL JOINT DETAILS

3" = 1'-0"

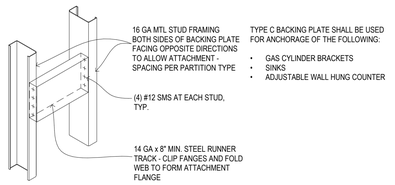


NOTES:

1. DETAILS SHOWN ASSUME STUDS ARE SPACED 16" OC
2. ALL STUDS SHALL BE "C" STUDS WITH 1-1/4" RETURN FLANGE MINIMUM.
3. INDICATES SHELVING OR CABINETRY:
4. INDICATES STONE:
5. DOUBLE STUDS AT SIDES OF OPENING **SHALL NOT** BE CUT FOR DUCTWORK OR ANY OTHER MECHANICAL SYSTEM WITHOUT STRUCTURAL ACCOMMODATIONS.
6. REFER TO A1 FOR MOUNTING TYPE DETAILS.
7. PROVIDE PARTITION BRACING AT ALL ASSEMBLIES OVER 15'-0" IN HEIGHT, U.N.O.

A2 TYPICAL PARTITION INTERIOR FRAMING

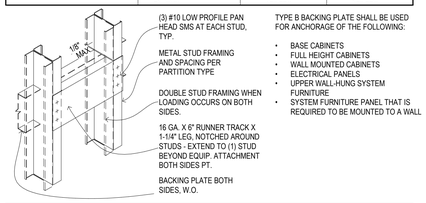
1/4" = 1'-0"



TYPE C BACKING PLATE SHALL BE USED FOR ANCHORAGE OF THE FOLLOWING:

- GAS CYLINDER BRACKETS
- SINKS
- ADJUSTABLE WALL HUNG COUNTER

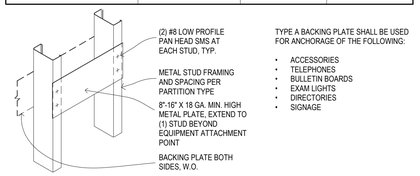
	STUD SPACING	ALLOWABLE LOADS ON BACKING	
		VERTICAL	LATERAL
TYPE C	16" O.C.	800 LBS	500 LBS
	24" O.C.	725 LBS	425 LBS



TYPE B BACKING PLATE SHALL BE USED FOR ANCHORAGE OF THE FOLLOWING:

- BASE CABINETS
- FULL HEIGHT CABINETS
- WALL MOUNTED CABINETS
- ELECTRICAL PANELS
- UPPER WALL-HUNG SYSTEM FURNITURE
- SYSTEM FURNITURE PANEL THAT IS REQUIRED TO BE MOUNTED TO A WALL

	BACKING	ALLOWABLE LOADS ON BACKING	
		VERTICAL	LATERAL
TYPE B	6" X 16 GA. TRACK	220 LBS	200 LBS



TYPE A BACKING PLATE SHALL BE USED FOR ANCHORAGE OF THE FOLLOWING:

- ACCESSORIES
- TELEPHONES
- BULLETIN BOARDS
- EXAM LIGHTS
- DIRECTORIES
- SIGNAGE

	BACKING	ALLOWABLE LOADS ON BACKING	
		VERTICAL	LATERAL
TYPE A	8"-16" WIDE X 18 GA. PLATE	15 LBS	5 LBS

BACKING PLATE DTLS FOR ACCESSORIES AND EQUIP.

A1 BACKING DETAILS FOR ACCESSORIES AND EQUIPMENT

3" = 1'-0"

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201 CALIFORNIA ST.
SAN FRANCISCO, CA
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LOGAN REGIONAL HOSPITAL PET/CT

500E 1400N
LOGAN, UT 84341

Intermountain Health

Project Manager	BEN HICKMAN
Project Health Planner	ANNETTE HIMELICK
Project Architect	BEN HICKMAN
Landscape Architect	N/A
Civil Engineer	N/A
Structural Engineer	DORIAN ADAMS
Mechanical Engineer	SCOT MUIR
Electrical Engineer	CARLTON GETZ
Plumbing Engineer	SCOT MUIR
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	6/28/2024

LICENSED ARCHITECT — TODD A. TIERNEY — 6385878-0301 — STATE OF UTAH
06-28-2024

Sheet Name

PARTITION HEAD & FRAMING DETAILS

Sheet Number

A-721

Project Status

100% CONSTRUCTION DOCUMENTS

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201 CALIFORNIA ST.
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LOGAN REGIONAL HOSPITAL PET/CT

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LOGAN, UT 84341

Intermountain Health

B6 HORIZONTAL STRUT - SLIP END
6" = 1'-0"

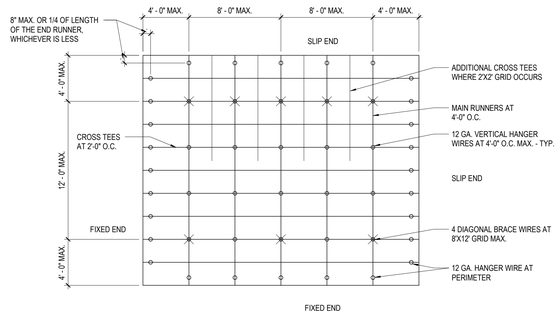
B5 HORIZONTAL STRUT - FIXED END
6" = 1'-0"

B4 LAY-IN CLG TILE RUNNER SPLICE TYP.
6" = 1'-0"

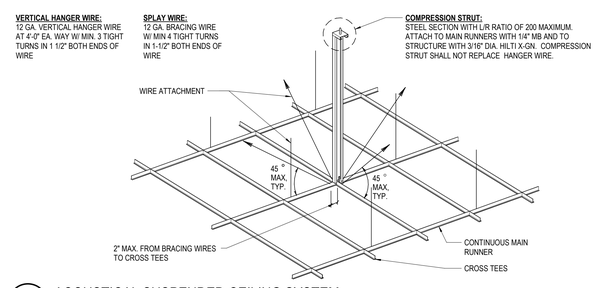
B3 LAY-IN CLG TILE TRANSITION DETAIL
6" = 1'-0"

B2 HANGER WIRE ATTACHMENT TO STRUCTURE
3" = 1'-0"

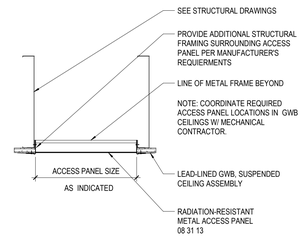
B1 COMPRESSION STRUT
6" = 1'-0"



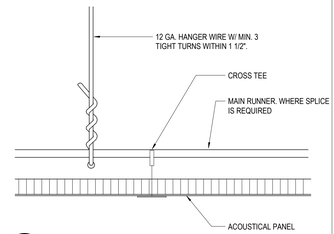
A4 DIAGRAMATIC PLAN LAY-IN CLG TILE SUSP SYSTEM
3/16" = 1'-0"



A3 ACOUSTICAL SUSPENDED CEILING SYSTEM
6" = 1'-0"



A2 GYP. BOARD CEILING ACCESS PANEL
1 1/2" = 1'-0"



A1 HANGER WIRE CONNECTION TO GRID
6" = 1'-0"

Project Manager	BEN HICKMAN
Project Health Planner	ANNETTE HIMELICK
Project Architect	BEN HICKMAN
Landscape Architect	N/A
Civil Engineer	N/A
Structural Engineer	DORIAN ADAMS
Mechanical Engineer	SCOT MUIR
Electrical Engineer	CARLTON GETZ
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LICENSED ARCHITECT
TODD A. TIEMS
6385878-0301
STATE OF UTAH
06-28-2024

Sheet Name

CEILING DETAILS

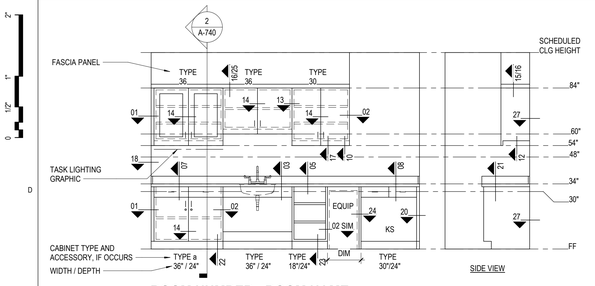
Sheet Number

A-730

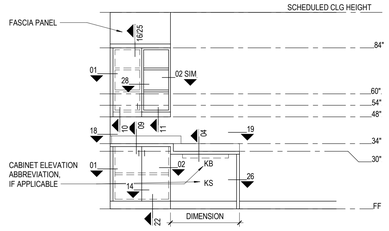
Project Status

100% CONSTRUCTION DOCUMENTS

CASEWORK LEGEND



01 ROOM NUMBER - ROOM NAME
SCALE ADDITIONAL ROOM NUMBERS, IF APPLICABLE



01 ROOM NUMBER - ROOM NAME
SCALE ADDITIONAL ROOM NUMBERS, IF APPLICABLE

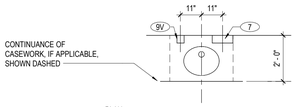
ELEVATION ABBREVIATION/GRAPHIC LEGEND

AS - ACCESSIBLE SINK
CG - CORNER GUARD
CR - CARD READER
D - DATA
DPF - DECORATIVE POLYMER FABRICATION
DWC - DRY ERASE WALLCOVERING
E - ELECTRICAL OUTLET
F - FILE DRAWER
FS - FIXED SHELF
GWB - GLASS MARKERBOARD
KA - KEYBOARD TRAY
KS - KNEESPACE
NIC - NOT IN CONTRACT
PL - PLASTIC LAMINATE
PP - PUSH PLATE
PTL - PAINT
SB - STEEL SUPPORT BRACKET
SSF - SOLID SURFACE
SWP - SHEET WALL PROTECTION
TA - TOILET ACCESSORY
TK - TACKABLE FABRIC
TL - TASK LIGHTING
WS2 - WALL MOUNTED MONITOR ARM

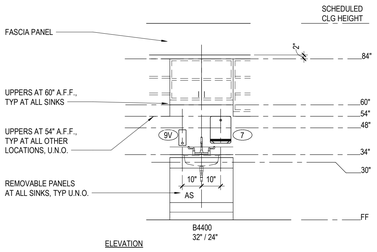
CABINET TYPE → 101
DEPTH → 36D

OTHER CASEWORK STANDARDS:

1. SOAP DISPENSER ON OPPOSITE SIDE OF SINK FROM PAPER TOWEL DISPENSER.
2. 4" COVED (INTEGRATED) & CONTINUOUS SOLID SURFACE BACKSPLASH AT ALL LOCATIONS FOR ENTIRE RUN OF CABINETRY, INCLUDING END SPLASHES AT WALLS, IF APPLICABLE.
3. ALL COUNTERS ARE TO BE SOLID SURFACE, TYP., U.N.O. OTHERWISE ON ELEVATIONS. REFER TO INTERIOR FINISH SCHEDULE FOR CASEWORK MATERIALS AND FINISHES.

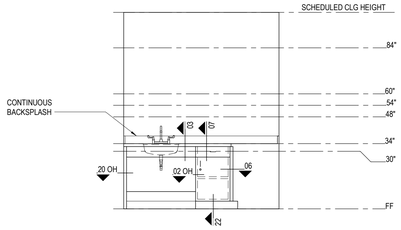


PLAN

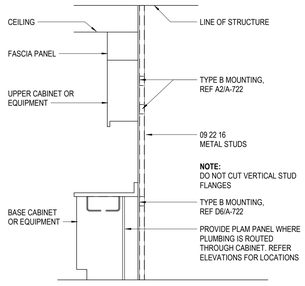


ELEVATION

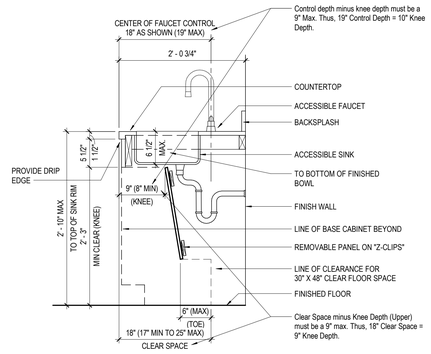
TYPICAL SINK CONFIGURATION



01 ROOM NUMBER - ROOM NAME
SCALE ADDITIONAL ROOM NUMBERS, IF APPLICABLE



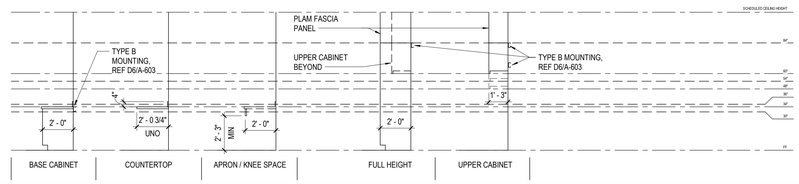
2 TYP STUD WALL SUPPORTING CABINETRY OR EQUIPMENT
1/4" = 1'-0"



1 ACCESSIBLE FRONT APPROACH SINK SECTION
1" = 1'-0"

TYPICAL CASEWORK DIMENSIONS

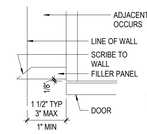
NOTE:
1. ALL CABINET DIMENSIONS GIVEN ARE NOMINAL.
2. CABINET DIMENSIONS GIVEN BELOW ARE TYPICAL, U.N.O. ON ELEVATIONS OR PLANS



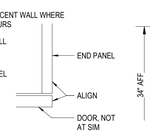
GENERAL CASEWORK NOTES

1. CABINET WIDTHS TO BE BASED ON MODULE INCREMENTS OF 3", UNO.
2. PROVIDE FILLER PANELS TO FINISH OUT TO SCRIBE CABINETS TO WALL.
3. PROVIDE FILLER PANELS AND TRIM WHERE EQUIPMENT IS LOCATED WITHIN CABINETS.
4. PROVIDE FINISHED END PANELS AND RETURNS AT OPEN ENDED CABINETS, KNEE SPACES, AND ACCESSIBLE SINKS.
5. PROVIDE 1 1/2" THICK FINISHED END PANEL AT FREE STANDING END OF ACCESSIBLE SINKS AND KNEE SPACES.
6. WHEN FILLER PANELS ARE REQUIRED AT BOTH ENDS OF CASEWORK TERMINATION, BOTH FILLER PANELS SHALL BE OF EQUAL WIDTH.
7. PROVIDE WALL BRACKET SUPPORTS AT 36" OC MAX TO SUPPORT COUNTERTOP AT CONTINUOUS KNEE SPACE.
8. PROVIDE CONTINUOUS BACKSPLASH AT ALL COUNTERS INCLUDING END SPLASH WHEN COUNTERS ARE ADJACENT TO WALL.
9. PROVIDE HOLES FOR GROMMETS IN COUNTERTOPS AT KNEE SPACES FOR WIRE ACCESS. PROVIDE 1 AT EACH KNEE SPACE OR 1 AT EVERY 36" OC FOR CONTINUOUS RUNS OF KNEE SPACE. POWER OUTLETS AND DATA ARE BELOW COUNTER, TYP U.N.O.
10. PROVIDE ADJUSTABLE SHELVES IN CABINETS AS SPECIFIED BY CABINET TYPE.
11. PROVIDE AN APRON AT ALL KNEE SPACES 30" OR HIGHER, UNO
12. TOP OF ALL CASEWORK IS AT 7'-0" TO ALIGN WITH DOORS.
13. REFER TO SPECIFICATION SECTION 12 32 00 FOR FURTHER ARCHITECTURAL CASEWORK REQUIREMENTS.
14. CONCEALED HINGES ARE STANDARD AT ALL CASEWORK IN PUBLIC SPACES AND/OR HIGH DESIGN AREAS
15. ALL UNDER CABINET TASK LIGHTS TO HAVE 1 1/2" HIGH VALANCE, USING EITHER THE DOORS OF THE CABINET OR A SEPERATE PLAM RAIL ATTACHED TO THE BOTTOM OF THE CABINET.
16. COORDINATE HEIGHT OF TOE KICK WITH SCHEDULED BASE (4" AND 4 1/2").

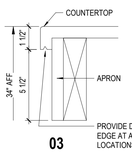
TYPICAL CASEWORK DETAILS



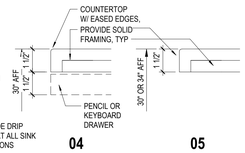
01
PLAN - FILLER PANEL AT END WALL



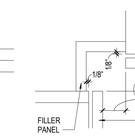
02
PLAN - END PANEL



03
SECTION - APRON

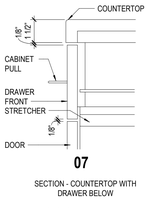


04
SECTION - KNEE SPACE

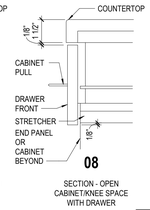


05
SECTION - KNEE SPACE

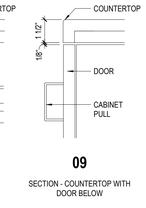
06
PLAN - INSIDE CORNER FILLER PANEL B/W ADJACENT CABINETS



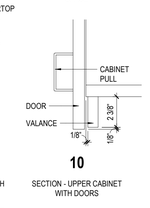
07
SECTION - COUNTERTOP WITH DRAWER BELOW



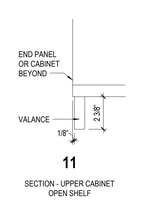
08
SECTION - OPEN CABINET/KNEE SPACE WITH DRAWER



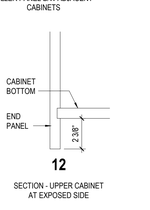
09
SECTION - COUNTERTOP WITH DOOR BELOW



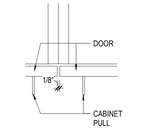
10
SECTION - UPPER CABINET WITH DOORS



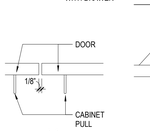
11
SECTION - UPPER CABINET OPEN SHELF



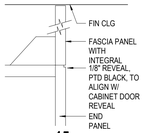
12
SECTION - UPPER CABINET AT EXPOSED SIDE



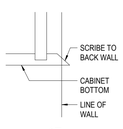
13
PLAN - CABINET TO CABINET AT DOORS



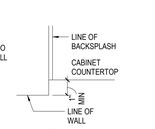
14
PLAN - DOOR TO DOOR



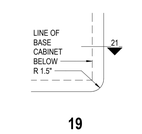
15
SECTION - FASCIA PANEL RETURN AT UPPER CABINET AND WOOD LOCKERS



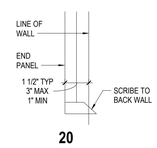
17
SECTION - BOTTOM OF UPPER CABINET AT BACK WALL



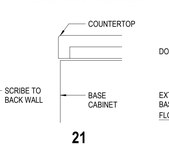
18
PLAN - COUNTERTOP AT ADJACENT WALL



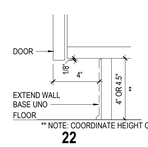
19
PLAN - OUTSIDE CORNER OF COUNTERTOP



20
PLAN - END PANEL AT WALL

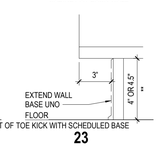


21
COUNTERTOP EXTENSION AT END OF BASE CABINET

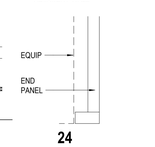


22
SECTION - CABINET BASE AT DOOR

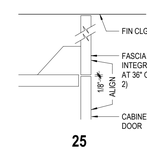
** NOTE: COORDINATE HEIGHT OF TOE KICK WITH SCHEDULED BASE



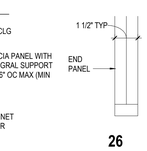
23
SECTION - CABINET BASE AT OPEN CABINET



24
SECTION - END CAP



25
SECTION - FASCIA PANEL AT UPPER CABINET



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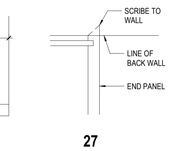
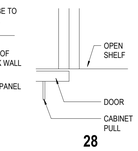
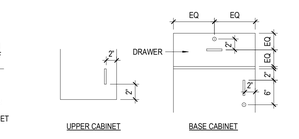
SECTION - END PANEL



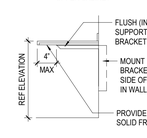
27
PLAN - END PANEL AT BACK WALL



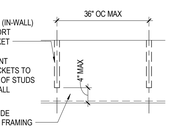
28
PLAN - CABINET TO CABINET AT DOOR & OPEN SHELF



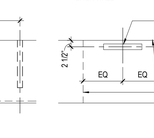
TYPICAL CABINET PULL LOCATIONS



SECTION - COUNTERTOP SUPPORT BRACKET AT KNEE SPACE



PLAN - COUNTERTOP SUPPORT BRACKET AT KNEE SPACE



PLAN - GROMMET CUT OUT

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Electrical Engineer	CARLTON GETZ
Plumbing Engineer	SCOT MUIR
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

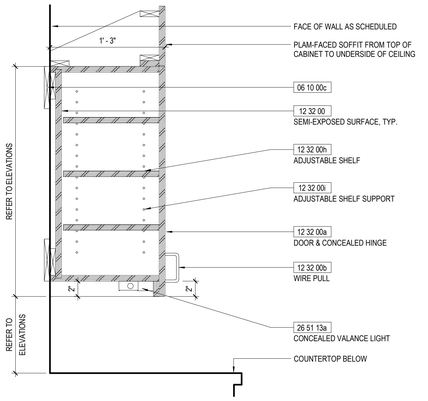
Project Number	10394230
Original Issue	6/28/2024

LICENSED ARCHITECT
JASON A. TURNER
6385878-0301
STATE OF UTAH
06-28-2024

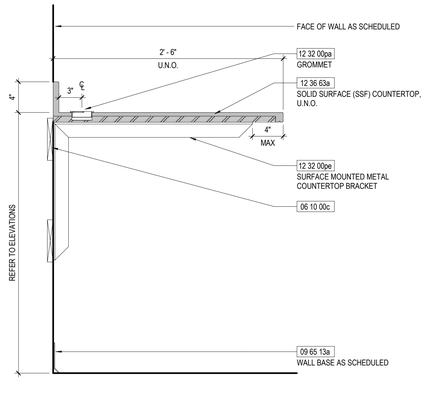
Sheet Name
ARCHITECTURAL CASEWORK STANDARDS

Sheet Number
A-740

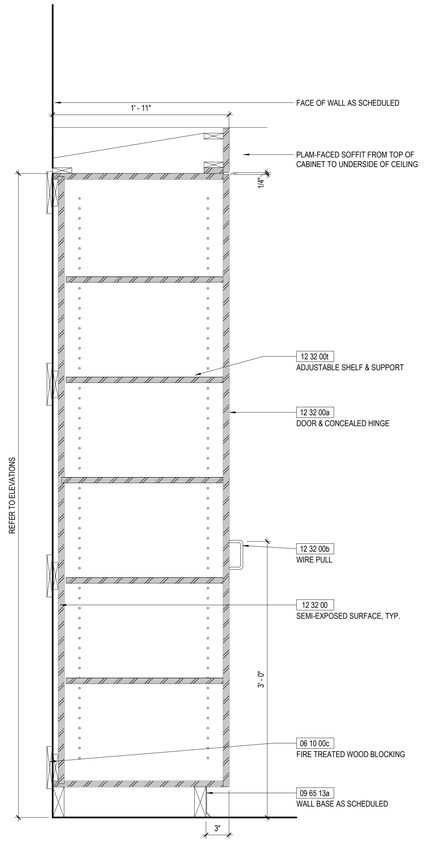
Project Status
100% CONSTRUCTION DOCUMENTS



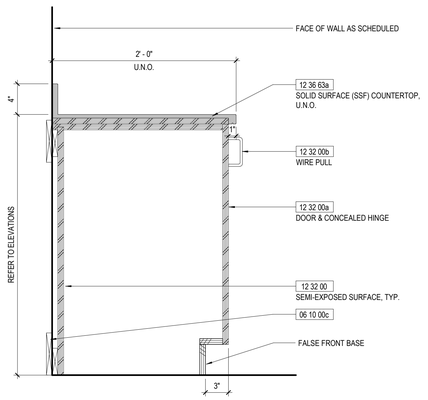
B3 UPPER CAB. W/VALANCE SOLID DOOR 301a & 302a
1 1/2" = 1'-0"



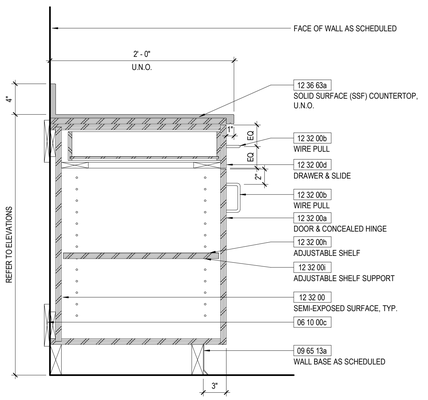
B2 SECTION DETAIL AT COUNTERTOP w SURFACE BRACKET
1 1/2" = 1'-0"



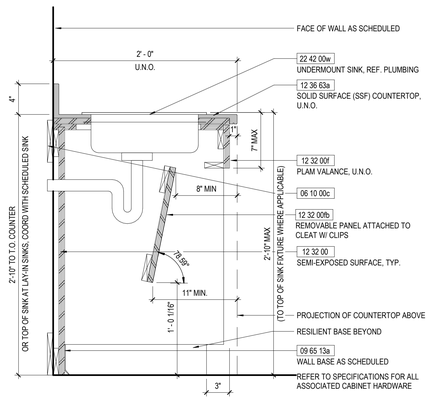
B1 SECTION DETAIL @ TALL CABINET W/DOORS 401 & 402
1 1/2" = 1'-0"



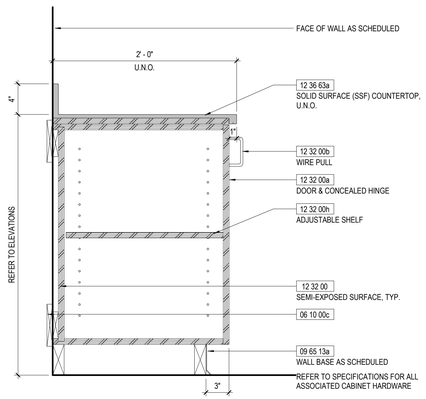
A4 SECTION AT OPEN CABINET - NO BOTTOM 215
1 1/2" = 1'-0"



A3 SECTION AT BASE CABINET W/DRAWER 211, 212
1 1/2" = 1'-0"



A2 SECTION AT ADA SINK BASE 159
1 1/2" = 1'-0"



A1 SECTION AT BASE CABINET W/DOORS 101 & 102
1 1/2" = 1'-0"

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Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A

Sheet Reviewer	Author

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LICENSED ARCHITECT
6385878-0301
TODD A. TIERNEY
STATE OF UTAH
06-28-2024

Sheet Name

ARCHITECTURAL CASEWORK AND DETAILS

Sheet Number

A-741

Project Status

100% CONSTRUCTION DOCUMENTS

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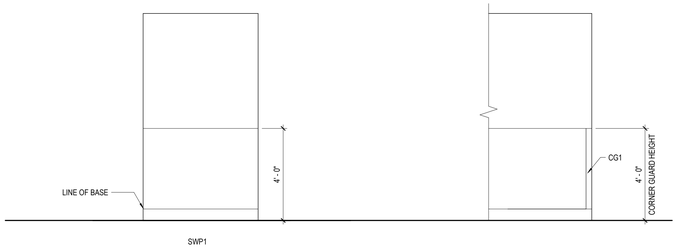
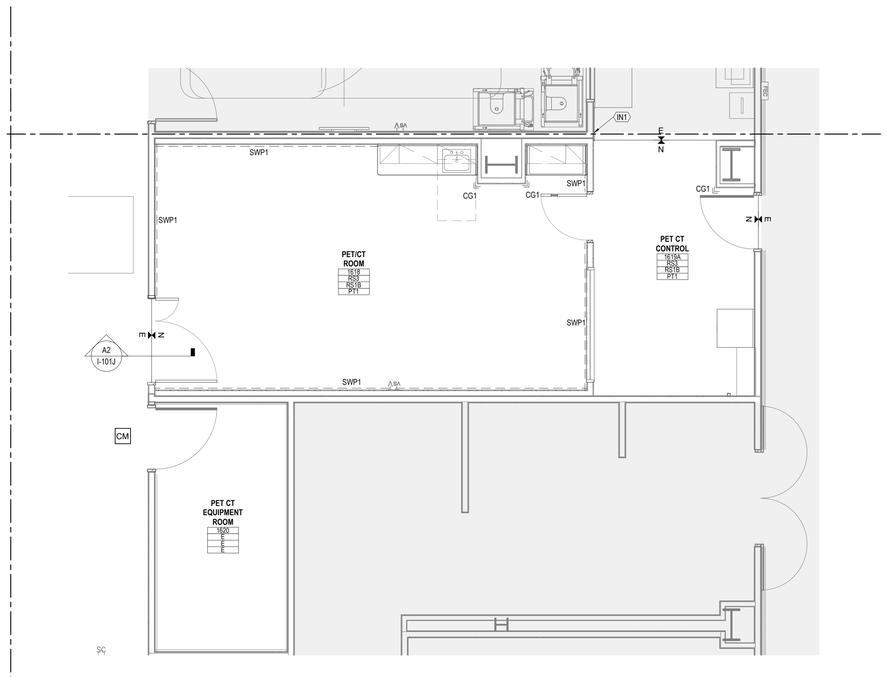
08 700 Standard Types



WALL PROTECTION TYPES

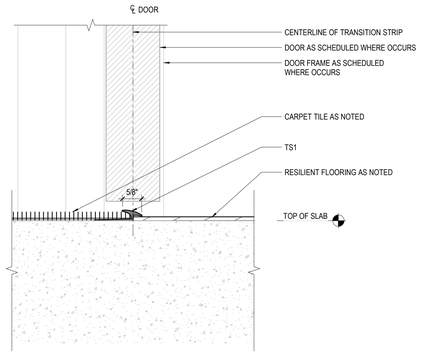
I-001s - INTERIOR FINISH LEGEND

CODE	MANUFACTURER	SERIES/STYLE	COLOR	SIZE	COMMENTS
09 51 00 ACOUSTICAL CEILING MATERIALS					
ACT1	ARMSTRONG	ULTIMA 1913	WHITE	2' X 4'	FIELD CEILING, NRC 0.75, CAC 35
09 65 16 RESILIENT SHEET FLOORING					
RS1B	MANNINGTON	BIOSPEC	TO MATCH ADJACENT FLOORING COLOR	6" HIGH	SELF COVE BASE
RS3	MANNINGTON	BIOSPEC	15203 SANDRIFT		
09 68 13 CARPET TILE					
TS1	JOHNSONITE/TARKETT	SLIM LINE TRANSITIONS #SLT-C	TBD	5/8" WIDE	CARPET TO RESILIENT TRANSITION
09 91 23 INTERIOR PAINTING					
PT1	SHERWIN WILLIAMS	LATEX, SEMI-GLOSS	PURE WHITE SW 7005	--	STANDARD BASE PALETTE
PTM1	SHERWIN WILLIAMS	PAINT TO METAL, SEMI GLOSS	PORPOISE SW 7047	--	HOLLOW METAL DOOR & WINDOW FRAMES
10 26 00 WALL PROTECTION SPECIALTIES					
CG1	INPRO	150 BN CORNER GUARD WITH BLUNOSE RETAINER	WHITE SAND	3" WING 4'-0" HIGH	
SWP1	INPRO	PALLADIUM	WHITE SAND	4'-0" HIGH	
12 32 00 ARCHITECTURAL CASEWORK					
PL1	PIONITE	PLASTIC LAMINATE	PRALINE AND CREAM WW160	--	--
12 36 63 SOLID SURFACE FABRICATIONS					
SSF3	LG HAUSYS	HI-MACS	G108 LUNAR SAND	--	COUNTERTOPS



A5 FINISH PLAN - LEVEL 01 - SECTOR J

1/4" = 1'-0"



A2 FLOOR TRANSITION DETAIL @ CARPET TO RESILIENT

6" = 1'-0"

INTERIOR FINISH PLAN LEGEND

ROOM NAME
101
FLOOR
BASE
WALL

ROOM NUMBER
FLOOR FINISH
BASE FINISH
WALL FINISH

ACCENT MATERIAL

FINISH TRANSITIONS BETWEEN NEW AND EXISTING

FLOORING TRANSITIONS

CORNER GUARD

WALL PROTECTION

FIELD FLOOR FINISH - REFER TO ROOM FINISH TAG

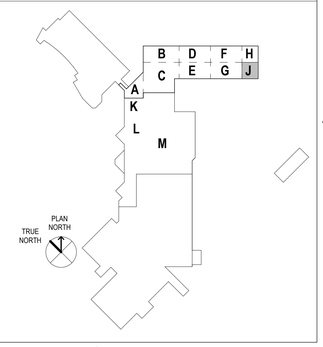
INTERIOR FLOOR FINISH GENERAL NOTES

1. SEE I-101 FOR INTERIOR FINISH LEGEND. REFER TO ASSOCIATED SPECIFICATION SECTION FOR DETAILED INFORMATION.
2. IF FINISH CODE IS NOT SPECIFIED (--), NO FIELD FINISH IS APPLIED. IF MANUFACTURER FINISH IS SPECIFIED (MFR), REFER TO CORRESPONDING SPECIFICATION SECTION.
3. ANY COLOR SUBSTITUTE SHALL BE REQUESTED TO THE ARCHITECT. REFER TO SECTION 01 33 00.
4. CONSISTENT MATERIAL COLORS AND PATTERNS SHALL BE PROVIDED. PROVIDE MATERIALS FROM SAME PRODUCT RUN.
5. WHERE ITEMS OR SURFACES ARE NOT SPECIFICALLY MENTIONED, PAINT THE SAME AS SIMILAR ADJACENT MATERIALS OR AREA. IF COLOR OF FINISH IS NOT DESIGNATED, ARCHITECT WILL SELECT FROM STANDARD COLORS OR FINISHES AVAILABLE.
6. UNLESS OTHERWISE INDICATED, DO NOT PAINT FACTORY-FINISHED OR INSTALLER-FINISHED ITEMS.
7. ACCESS PANELS WHICH ARE EXPOSED IN FINISHED SPACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.
8. PAINT INTERIOR SURFACES OF DUCTS LOW VOC BLACK WHERE SURFACES ARE VISIBLE THROUGH GRILLES AND DIFFUSERS.
9. SEE AC SERIES DRAWINGS FOR CEILING FINISHES.
10. ALL INTERIOR FINISHES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. INSTALLER SHALL BE QUALIFIED TO INSTALL SPECIFIC FINISH MATERIAL AND HAVE EXPERIENCE WITH PROJECTS OF SIMILAR SIZE AND COMPLEXITY.
11. ALL HOLLOW METAL DOORS AND DOOR FRAMES SHALL BE PAINTED PTM1.
12. ALL FLOORING TYPE TRANSITIONS AT DOORS SHALL OCCUR ON THE CENTERLINE OF THE DOOR LEAF U.N.O. TRANSITION TO BE SMOOTH AND EVEN. MAXIMUM VERTICAL CHANGE IN ELEVATION SHALL BE 1/4 IN. REFER TO SPECIFICATIONS FOR REQUIRED FLOOR TRANSITION TRIMS.
13. EXTEND FLOORING UNDER LAV/SINK BASE CABINETS, OPEN KNEE SPACE OR ANY OTHER CABINET OPEN TO THE FLOOR.
14. CASEWORK TOE-KICK HEIGHT TO MATCH BASE HEIGHT IN ROOM.
15. GRAIN ON ALL WOOD-LOOK PLASTIC LAMINATE ON DOORS AND CASEWORK SHALL RUN VERTICALLY.
16. ALL SHEET FLOORING TO HAVE HEAT WELDED SEAMS AND SELF-COVING BASE 6" A.F.F UNLESS NOTED OTHERWISE. REFER TO NOTE 14.
17. ALL CASEWORK UPPER AND LOWER CABINETS TO BE PL1 U.N.O. ALL COUNTERTOPS TO BE SSF3 U.N.O.

SHEET KEYNOTES (2)

IN1 - PATCH, REPAIR ANY DAMAGE IN EXISTING WALL CAUSED BY DEMOLITION OF PARTITION. PAINT TO MATCH EXISTING

KEY PLAN



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Plumbing Engineer	SCOT MUIR
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

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Original Issue	6/28/2024

LICENSED ARCHITECT
TODD A. TIERNEY
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06-28-2024

Sheet Name

INTERIOR FLOOR FINISH PLAN - LEVEL 01

Sheet Number

I-101J

Project Status

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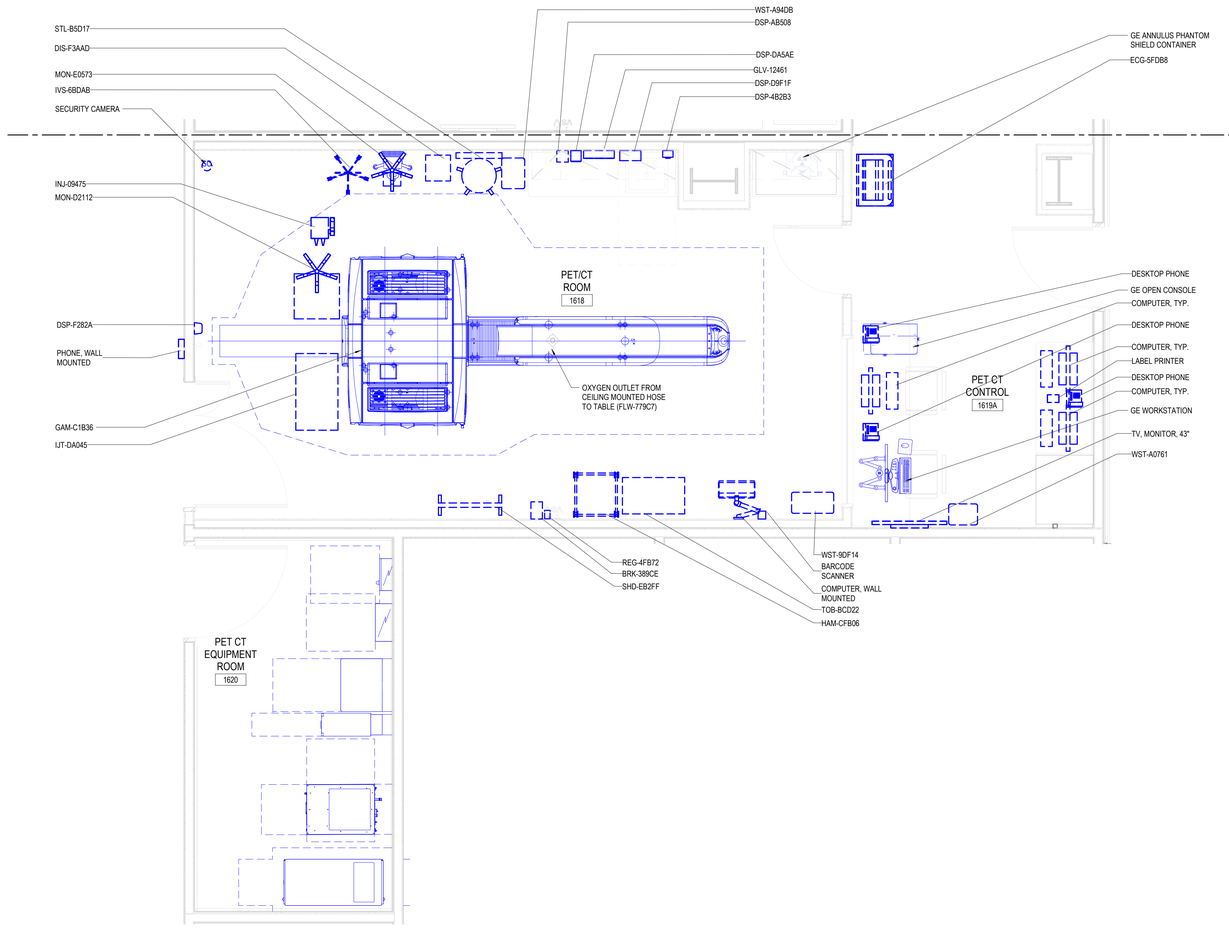
Finish Plans

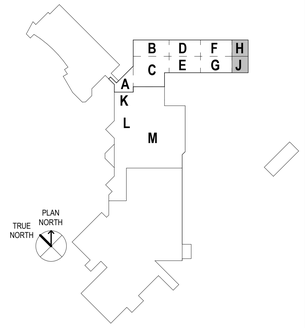


A3 PET/CT - EQUIPMENT PLAN
3/8" = 1'-0"

EQUIPMENT PLAN GENERAL NOTES

1. REFER TO OWNER-PROVIDED MEDICAL EQUIPMENT LISTS FOR ATTA ID CORRESPONDING TO EQUIPMENT TAG NUMBER.
2. REFER TO OWNER-PROVIDED MEDICAL EQUIPMENT LISTS FOR FURNISH & INSTALL RESPONSIBILITIES FOR ALL MEDICAL EQUIPMENT.
3. NOT ALL MEDICAL EQUIPMENT WITHOUT ARCHITECTURAL OR SPATIAL SIGNIFICANCE ARE SHOWN IN Q-SERIES EQUIPMENT DRAWINGS. REFER TO OWNER-PROVIDED MEDICAL EQUIPMENT LIST FOR COMPREHENSIVE EQUIPMENT LISTS FOR EACH ROOM.

KEY PLAN



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Wayfinding	N/A
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LICENSED ARCHITECT
TODD A. TURNER
6385878-0301
STATE OF UTAH
06-28-2024

Sheet Name
EQUIPMENT PLAN - PET CT ROOM

Sheet Number
QI-101J

Project Status
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LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

- POSITIVE PRESSURE DUCT - RISE
- POSITIVE PRESSURE DUCT - DROP
- NEGATIVE PRESSURE DUCT - RISE
- NEGATIVE PRESSURE DUCT - DROP
- ROUND DUCT - RISE
- ROUND DUCT - DROP
- UNDER FLOOR DUCT
- TURNING VANES
- FRESH AIR LOUVER
- RELIEF AIR OR EXHAUST AIR LOUVER
- 12X12 / 200 — CEILING SUPPLY DIFFUSER
- 22X22 / 200 — CEILING RETURN REGISTER
- 12X12 / 200 — CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
- 24X10 / 200 — SIDEWALL SUPPLY REGISTER
- 24X10 / 200 — SIDEWALL EXHAUST OR RETURN REGISTER
- 12X12 / 200 — CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
- 12X12 / 200 — CEILING AIR GRILLE WITH FLEXIBLE DUCT

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

- CEILING RETURN AIR GRILE W/ SOUND BOOT
- 3-1" SLOTS @ 48" 400 — LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
- FLEXIBLE DUCT CONNECTION
- FLEXIBLE DUCT
- 12/8 FO — FLAT OVAL DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- 12/8 — RECTANGULAR DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- 12ø — ROUND DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- UP — INCLINED RISE
- DN — INCLINED DROP

WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.

- R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
- 12/12 / 8/8 — RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
- 12/12 / 12ø — RECTANGULAR TO ROUND DUCT TRANSFORMATION
- BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
- 1.5D / 1.25D / 45° / D — TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
- 12ø / 12/12 — HIGH EFFICIENCY FITTING
- MANUAL VOLUME DAMPER
- FD — FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
- FSD — COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
- SD — SMOKE DAMPER W/ ACCESS PANEL
- BDD — BACK DRAFT DAMPER
- ATC / OR — ATC DAMPER
- AD — ACCESS PANEL IN DUCT OR PLENUM
- HEATING OR COOLING COIL IN DUCT
- SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
- 4-WAY BLOW PATTERN
- 3-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 1-WAY BLOW PATTERN
- SD — DUCT SMOKE DETECTOR

PIPING

- SHUT OFF VALVE
- BALL VALVE
- BUTTERFLY VALVE
- MOTOR OPERATED BUTTERFLY VALVE
- GATE VALVE
- GATE VALVE - NON RISING STEM
- ANGLE VALVE
- GLOBE VALVE
- PLUG VALVE
- SHUT OFF PLUG VALVE FOR FOR USE WITH PRESSURE GAUGE
- CHECK VALVE
- LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
- F&T — F&T=FLOAT & THERMOSTATIC
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
- PRESSURE REDUCING VALVE EXTERNAL PRESSURE
- PRESSURE REDUCING VALVE SELF CONTAINED
- ATC - 2 WAY VALVE
- ATC - 3 WAY VALVE
- SOLENOID VALVE
- 0.0 GPM — CALIBRATED BALANCING VALVE WITH GPM INDICATED
- VENTURI FLOW METER
- GPM / LB/HR. — FLOW METER ORIFICE
- F — ATC FLOW METER
- RELIEF VALVE
- AIR VENT-MANUAL
- AIR VENT-AUTO
- FLOW SWITCH
- PRESSURE SWITCH
- TEMPERATURE AND PRESSURE TEST PORT
- THERMOMETER WELL
- THERMOMETER - TEMP RANGE AS INDICATED
- PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
- PRESSURE GAUGE WITH PIGTAIL
- UNION
- FLANGE
- FLEXIBLE EXPANSION JOINT
- REDUCER
- ECCENTRIC REDUCER
- BRANCH - BOTTOM CONNECTION
- BRANCH - TOP CONNECTION
- BRANCH - SIDE CONNECTION
- RISE OR DROP
- RISER - DOWN (ELBOW)
- RISER - UP (ELBOW)
- PIPE CAP
- ARROW INDICATES DIRECTION OF FLOW IN PIPE
- DN — LEADER INDICATES DOWNWORD SLOPE
- VALVE IN RISE
- 90° ELBOW
- 45° ELBOW
- ALIGNMENT GUIDE
- ANCHOR

PLUMBING

- THERMOSTATIC MIXING VALVE
- HOSE BIBB
- FLOOR SINK
- FLOOR DRAIN
- FCO / COTG — FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
- ROOF DRAIN
- DOWNSPOUT NOZZLE
- VTR — VENT THRU ROOF
- WATER HAMMER ARRESTOR
- CLEAN-OUT
- FILL PORT
- DRAIN PAN AND P-TRAP
- (NAME) — FIXTURE FROM LEVEL ABOVE
- DEMOLITION

EQUIPMENT

- UNIT HEATER
- INLINE PUMP
- INLINE PUMP
- FAN

FIRE

- HOSE VALVE
- NRS GATE VALVE WITH SUPERVISION
- FLOW SWITCH
- FIRE RISER
- SPRINKLER HEAD
- F — FIRE SPRINKLER WATER

ANNOTATIONS

- P-1 — PLUMBING FIXTURES
- POINT OF CONNECTION
- A / M-101 — SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
- A / M101 — DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
- EF 1 — EQUIPMENT IDENTIFICATION
- 1 — KEYED NOTE IDENTIFICATION
- S — SWITCH
- S — SENSOR
- T — THERMOSTAT
- TN — NIGHT THERMOSTAT

LINETYPES

- CA — COMPRESSED AIR
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RETURN (DHWR)
- E(NAME) — EXISTING PIPING
- (NAME) — EXISTING PIPING TO BE REMOVED
- HWR — HEATING HOT WATER RETURN
- HWS — HEATING HOT WATER SUPPLY
- IA — INSTRUMENT AIR
- MA — MEDICAL AIR
- MV — MEDICAL VACUUM
- N — NITROGEN
- N2O — NITROUS OXIDE
- OX — MEDICAL OXYGEN
- RD — ROOF DRAIN
- RDO — ROOF DRAIN OVERFLOW
- SEWER (BELOW GRADE)
- SEWER (ABOVE GRADE)
- V — VACUUM
- VENT (SEWER)

SECTION 230993 - SEQUENCES OF OPERATION

1. VAV BOX WITH HOT WATER REHEAT

The variable volume (VAV) terminal unit is controlled independent of system pressure fluctuations by an application specific DDC controller using electric actuation. The VAV terminal unit is controlled within user defined maximum and minimum supply air volume settings. The controller monitors the room temperature sensor and air velocity sensor and modulates the supply air damper in sequence with the reheat valve to maintain the room temperature at set point. The space served by the VAV terminal unit is controlled in Occupied and Unoccupied modes as follows:

Occupied Mode

When the zone temperature is between the effective heating setpoint and the effective cooling setpoint (inside the bias), the VAV controller will be Satisfied and the airflow setpoint will be at minimum. The VAV air damper will modulate to maintain the airflow setpoint and there will be no mechanical heating.

On a rise in zone temperature above the effective cooling setpoint, the VAV controller will switch to Primary Cooling mode and the airflow setpoint will modulate up to the maximum cooling airflow setpoint. The VAV air damper will modulate to maintain the airflow setpoint and there will be no mechanical heating.

On a drop in zone temperature below the effective heating setpoint, the VAV controller will switch to the Box Heating mode:

- The first stage of heating (PID between 0% and 50%).
  - When the heating PID is between 0% and 50%, the airflow setpoint will be at its minimum specified airflow. The VAV air damper will modulate to maintain the minimum airflow setpoint.
  - The hot water control valve modulates to maintain the space temperature setpoint. The discharge air temperature shall not exceed 14 deg F above the zone setpoint.
- When the heating PID is between 50% and 100%.
  - The airflow setpoint will modulate from the minimum to the maximum specified heating airflow setpoint. The VAV air damper will modulate to maintain the airflow setpoint.
  - The reheat control valve modulates to maintain the space temperature setpoint. The discharge air temperature shall not exceed 14 deg F above the zone setpoint.

Unoccupied

During normal operating conditions the air handler shall operate continuously in order to maintain air pressurization relationships and temperature requirements. The occupancy condition of the air handling system shall be handled on the zone level to allow for zones and departments to go to an unoccupied mode while critical areas on the same system can remain in operation continuously. The daily and weekly scheduling for each department shall be coordinated with the owner.

When a zone (VAV Box) is scheduled to go into unoccupied mode the room air temperature setpoint shall be changed from an occupied setpoint to an unoccupied setpoint that increases the zone temperature dead band from 2°F occupied to +/- 5°F-unoccupied (adjustable).

2. ROOM PRESSURE MONITORS

Room pressure monitors shall be provided for visual and audible alarm if the pressure differential falls below the programmed limit. Each monitor shall be interlocked with the associated door switch (by this division) to prevent alarm if door is opened. Room pressure monitors shall be installed in the following locations as identified on the plans:

1. PET/CT Room 1618

END OF SECTION

MECHANICAL GENERAL NOTES

1. PROVIDE CD-1 TYPE DIFFUSER, AS SCHEDULED, FOR ALL CEILING SUPPLY DIFFUSERS UNLESS NOTED OTHERWISE. SEE DETAIL 2/M-601.
2. PROVIDE RG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING RETURN GRILLES SHOWN AS SUCH. SEE DETAIL 2/M-601 FOR GRILLES SHOWN WITH FLEXIBLE DUCT CONNECTION. SEE DETAIL 6/M-601 FOR RIGIDLY CONNECTED GRILLES.
3. PROVIDE EG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING EXHAUST GRILLES, SHOWN AS SUCH.
4. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
5. COORDINATE EXACT LOCATION OF DUCTS WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, PLUMBING, MECHANICAL PIPING, ETC.
6. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK SIZE OF THE DIFFUSER, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE.
7. INSTALL HARD ELBOWS AS SHOWN. HARD ELBOWS ARE REQUIRED FOR SOUND ATTENUATION.
8. INSTALL EQUIPMENT WITH CLEARANCE PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN PROPER SPACE FOR COIL PULL, CONTROLS, AND MAINTENANCE ACCESS.
9. INSTALL TURNING VANES IN ALL SQUARE AND RECTANGULAR LOW PRESSURE DUCTWORK.
10. DETAILS REFERENCE ALL SHEETS.
11. ALL FIRE DAMPERS ARE 1-1/2 HR RATED, UNLESS NOTED OTHERWISE.
12. DO NOT ROUTE DUCTS OR PIPES ABOVE ELECTRICAL PANELS. DO NOT ROUTE DUCTS OR PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
13. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
14. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC, ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
15. ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.

MECHANICAL PIPING GENERAL NOTES

1. PIPING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL ROUTING AND COORDINATE WITH ALL OTHER TRADES.
2. NO PIPING TO RUN DIRECTLY OVER ELECTRICAL PANELS, MCC'S, VFD'S. ROUTE AROUND AS REQUIRED.
3. INSTALL MANUAL AIR VENTS AT ALL HYDRONIC SYSTEM HIGH POINTS.
4. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURER'S RECOMMENDATION. PROVIDE A 24"X24" ACCESS DOOR BELOW EQUIPMENT BOX AND CONTROL VALVES WHERE INSTALL OVER HARD CEILING AREAS.
5. COORDINATE EXACT LOCATION OF T-STATS WITH ARCHITECTURAL FURNISHINGS.
6. INSTALL A 24"x24" ACCESS PANEL BELOW ALL VALVES, CIRCUIT SETTERS, AND CONTROL VALVES OVER HARD CEILINGS.
7. MECHANICAL PIPING TO BE INSTALLED ABOVE DUCTWORK AND EQUIPMENT EXCEPT WHERE SHOWN.
8. FIELD VERIFY ALL EQUIPMENT LOCATIONS.
9. DETAILS REFERENCE ALL SHEETS.

PLUMBING GENERAL NOTES

1. SLOPE PIPING AS FOLLOWS, UNLESS OTHERWISE NOTED. WASTE: 2-1/2" AND SMALLER: 1/4" PER FOOT. PIPING 3" AND LARGER: 1/8" PER FOOT. ROOF DRAIN PIPING: 1/8" PER FOOT.
2. SLEEVE PIPING THRU WALLS/FOUNDATIONS AND FLOORS AS SPECIFIED.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4. ALL PIPING IN PLUMBING CHASES TO BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
5. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S, OR MCC'S.
6. COORDINATE FAN ROOM FLOOR DRAIN LOCATIONS AND COOLING COILS.
7. NO FIRE PROTECTION LINE IS TO BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING, AND PLUMBING TAKE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE CONTRACTOR'S EXPENSE.
8. SLEEVE/CONFIGURE CMU WALLS FOR EMBEDDED PIPING AND PIPE PENETRATIONS AS REQUIRED.
9. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
10. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY.
11. LOCATE ALL VENTS MINIMUM 25 FT AWAY FROM AIR INTAKES.
12. INSTALL DOMESTIC WATER LINES BELOW DUCTWORK.
13. INSTALL A 24"x24" ACCESS DOOR BELOW ALL ISOLATION VALVES AND CIRCUIT SETTERS WHERE MOUNTED ABOVE HARD CEILINGS.
14. MOUNT ALL CEILING TYPE ISOLATION VALVES, CONTROL VALVES, CIRCUIT SETTERS, ETC. NEAR CEILING FOR ACCESSIBILITY.
15. DETAILS REFERENCE ALL SHEETS.
16. EXISTING PIPING SHOWN HAS BEEN TAKEN FROM INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL SYSTEMS, SIZES, LOCATIONS, AND ELEVATIONS PRIOR TO STARTING ANY NEW WORK.

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Civil Engineer	N/A
Structural Engineer	REAVELEY
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Electrical Engineer	SPECTRUM
Plumbing Engineer	VAN BOERUM & FRANK
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	06/28/24

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Sheet Name

MECHANICAL SYMBOLS, NOTES, SEQUENCE OF OPERATION

Sheet Number

M-001

Project Status

100% CONSTRUCTION DOCUMENTS

0 4' 8' 16'

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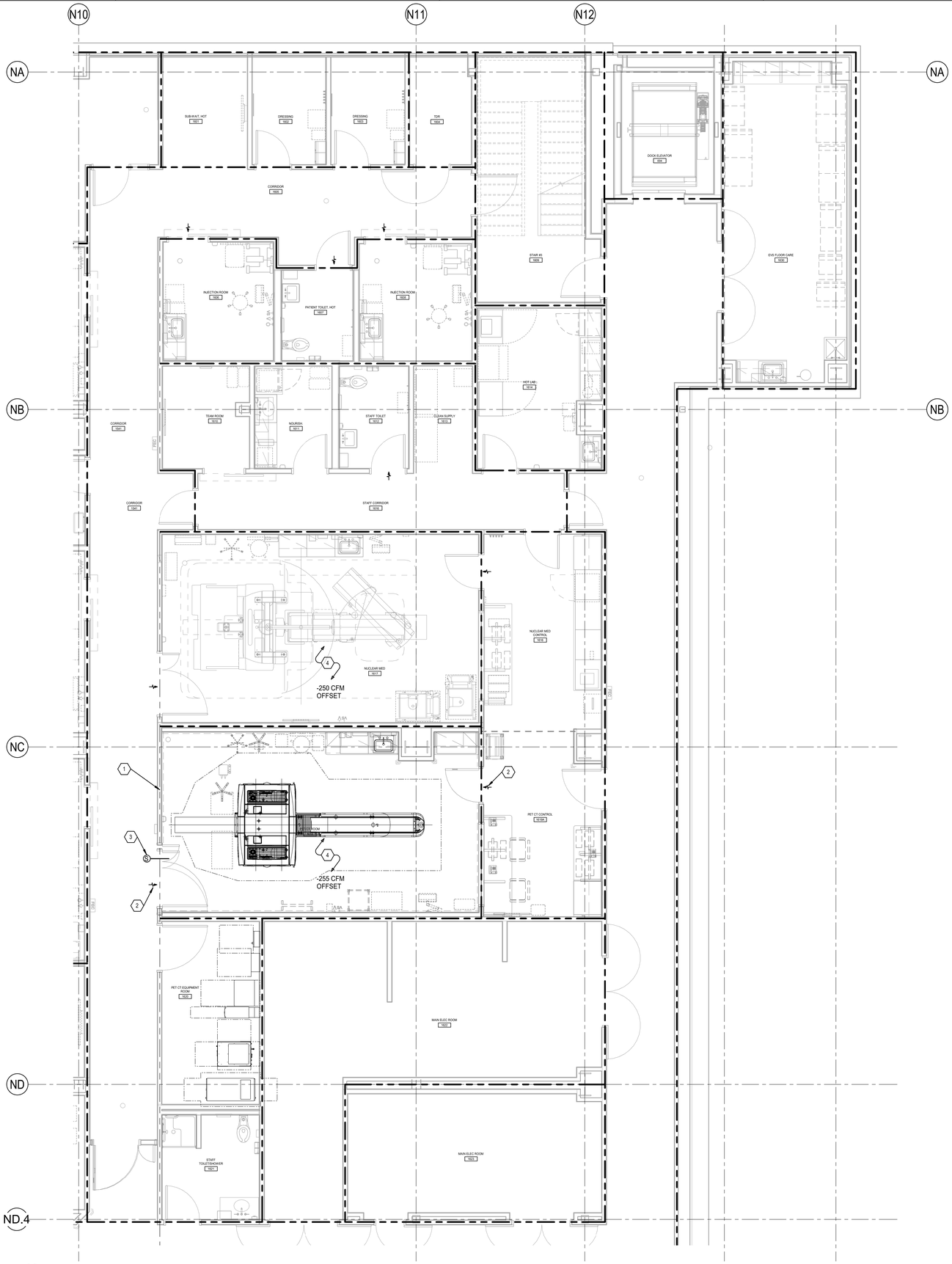
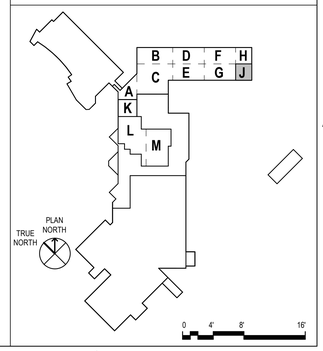


1 LEVEL 1 ZONING PLAN
1/4" = 1'-0"

KEYED NOTES

1. DASHED LINES INDICATE OUTLINE OF THERMAL ZONES.
2. ARROW INDICATES AIRFLOW PRESSURIZATION. TYPICAL.
3. THROUGH THE WALL DIFFERENTIAL PRESSURE SENSOR WITH A DIGITAL DISPLAY (TSI RPM10 SERIES OR OWNER APPROVED EQUAL).
4. THE CONTRACTOR SHALL PERFORM A ROOM PRESSURE TEST FOR THIS ROOM. THE ROOM MUST MAINTAIN A 0.03" W.G. PRESSURE DIFFERENTIAL WITH A MAXIMUM LEAKAGE RATE OF THE AIRFLOW OFFSET SHOWN. PROVIDE TEST REPORT AND INCLUDE IN O&M.

KEY PLAN



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Sheet Name
ZONING PLAN - LEVEL 1 - SECTOR J

Sheet Number
M-091J

Project Status
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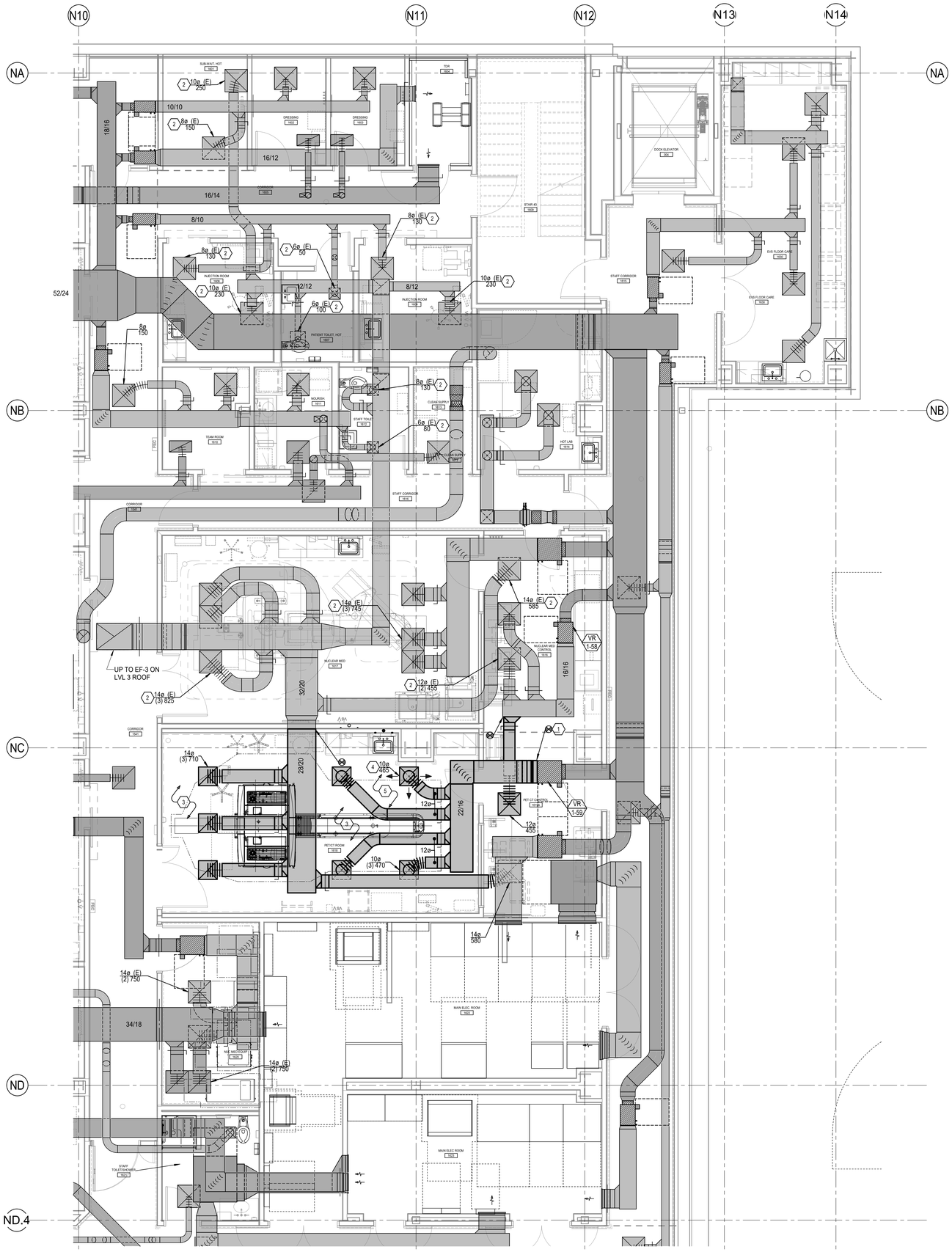


1 MECHANICAL PLAN - LEVEL 1 - SECTOR J

1/4" = 1'-0"

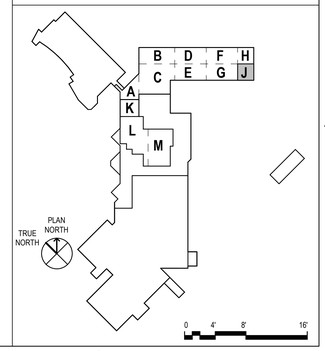
KEYED NOTES

1. CONNECT NEW SUPPLY DUCT AND DIFFUSERS TO EXISTING VAV BOX.
2. BALANCE EXISTING DIFFUSER/GRILLE TO AIRFLOW NOTED.
3. LEAD LINED PROCEDURE ROOM TO HAVE HARD LID CEILING. PROVIDE 20"x20" CEILING DIFFUSERS/GRILLES AND COORDINATE PLACEMENT WITH CEILING FRAMING. PROVIDE REMOTE DAMPER OPERATORS ROUTED TO ADJACENT CORRIDOR OR CONTROL ROOM. TAG LOCATION FOR OPERATORS ON CEILING GRID.
4. 3-WAY AIRFLOW PATTERN. PROVIDE DIRECTIONAL BAFFLE INSERT.
5. PROVIDE SHIELDING AT ALL UTILITY PENETRATIONS (DUCT, PIPING, CONDUIT, ETC.) INTO PET/CT ROOM. COORDINATE WITH SHIELDING VENDOR/SUPPLIER.

AIR BALANCING NOTES

1. EXISTING EXHAUST SYSTEM SERVING NUCLEAR MEDICINE DEPARTMENT SHALL BE BALANCED IN ITS ENTIRETY UPON COMPLETION OF PET/CT SPACE BUILDOUT. SUPPLY AND EXHAUST AIRFLOW RATES TO BE MEASURED TO CONFIRM SPACE PRESSURIZATION REQUIREMENTS ARE MAINTAINED.

KEY PLAN



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Wayfinding	N/A
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Sheet Name

MECHANICAL PLAN - LEVEL 1 - SECTOR J

Sheet Number

M-101J

Project Status

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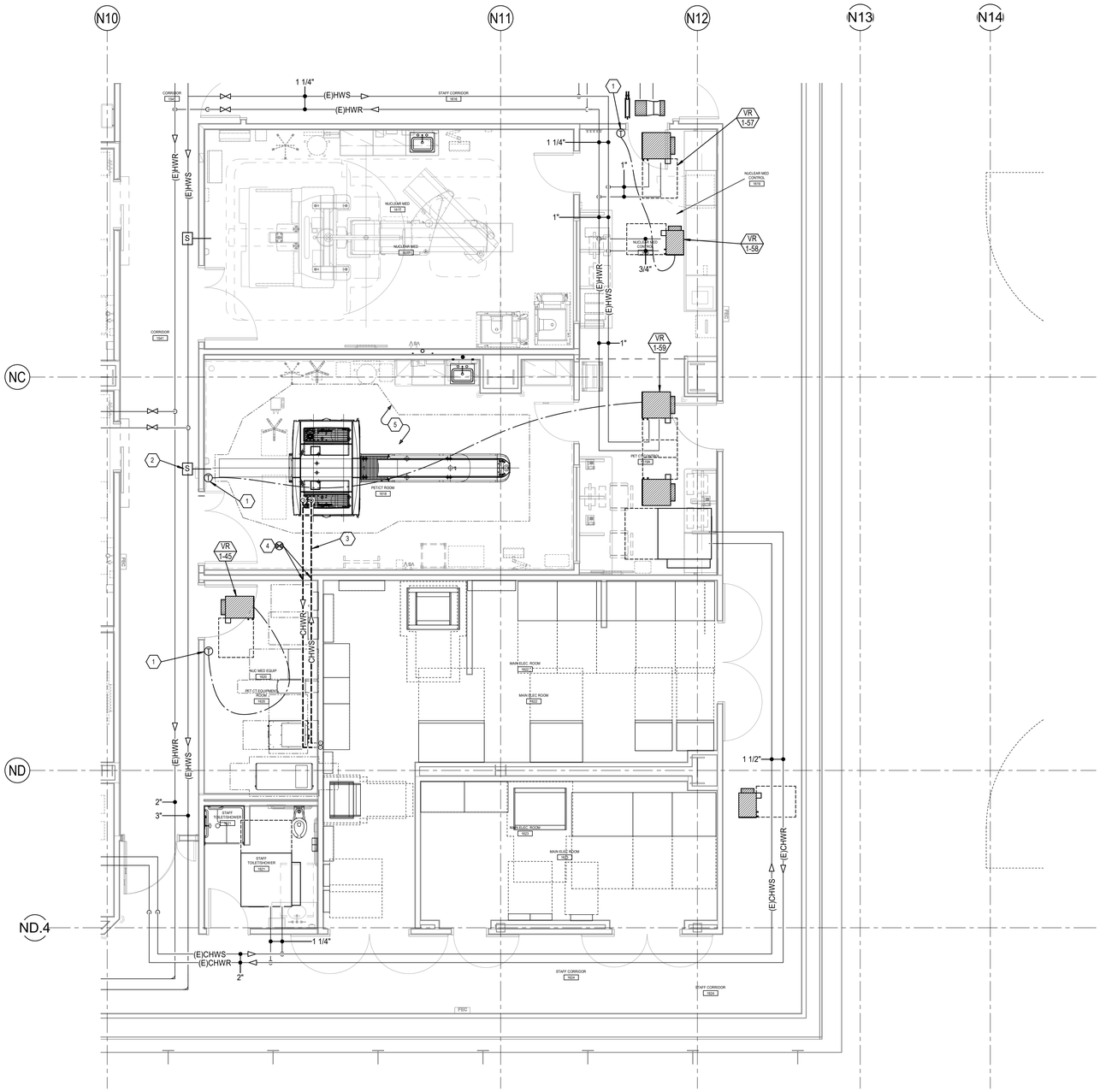
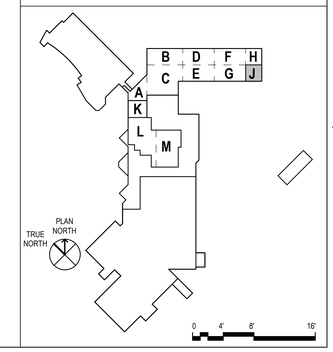
KEYED NOTES

1. EXISTING THERMOSTAT TO REMAIN. PROTECT IN PLACE AND REMOVE/INSTALL AS NEEDED FOR CONSTRUCTION.
2. THROUGH THE WALL DIFFERENTIAL PRESSURE SENSOR WITH DIGITAL DISPLAY (TSI RPM10 SERIES OR OWNER APPROVED EQUAL).
3. PROCESS CHILLED WATER PIPING IN BELOW GRADE 3" CONDUIT BETWEEN PET/CT EQUIPMENT AND PROCESS AIR COOLED CHILLER IN EQUIPMENT ROOM. CONDUIT PROVIDED AND INSTALLED BY CONTRACTOR INSTALLED IN ACCORDANCE WITH PET/CT INSTALL MANUAL. CHILLED WATER PIPING (HOSES), SYSTEM FILL, AND STARTUP BY PET/CT EQUIPMENT SUPPLIER.
4. BELOW GRADE CONDUIT INSTALLED BENEATH NUCLEAR MEDICINE EQUIPMENT ROOM AND STUBBED INTO FUTURE PET/CT ROOM IN PREVIOUS PHASE. CONTRACTOR TO EXTEND BELOW GRADE CONDUIT TO PET/CT EQUIPMENT.
5. PROVIDE SHIELDING AT ALL UTILITY PENETRATIONS (DUCT, PIPING, CONDUIT, ETC.) INTO PET/CT ROOM. COORDINATE WITH SHIELDING VENDOR/SUPPLIER.



1 MECHANICAL PIPING PLAN - LEVEL 1 - SECTOR J
1/4" = 1'-0"

KEY PLAN



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Equipment Planner	STEVE HOOPER
Wayfinding	N/A

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Sheet Name
MECHANICAL PIPING PLAN - LEVEL 1 - SECTOR J

Sheet Number
M-201J

Project Status
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FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	AREA SERVED	LOCATION	TYPE	AIR		FAN		ELECTRICAL					PHYSICAL		NOTES
					MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	OUTLET VELOCITY (FPM)	FAN SPEED (RPM)	MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	EMERGENCY POWER	LENGTH/ WIDTH/ HEIGHT (IN)	WEIGHT (LBS)	
EF-3	GREENHECK VK-H-22-20	NUCLEAR MED, GENERAL EXHAUST	PATIENT TOWER ROOF	VERTICAL INLINE	6,710	0.75	3078	1332	7.5	3.37	1725	460/3/60	YES	39/39/134	1200	(1)

(1) EXHAUST FAN IS EXISTING AND SHOWN FOR BALANCING PURPOSES ONLY.

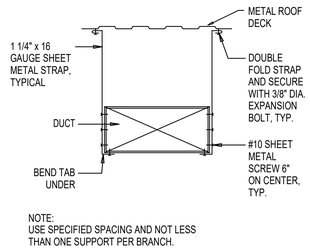
GRILLES, REGISTERS, DIFFUSERS, LOUVERS

ID	MANUFACTURER	MODEL	SIZE	MAX CFM	MAX NC	DESCRIPTION
CD-1	EH PRICE	SPD	6" DIA 8" DIA 10" DIA 12" DIA 14" DIA 15" DIA	110 235 420 600 800 850	30	SQUARE PLAQUE CEILING DIFFUSERS. REMOVABLE FACE & CORE FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24" OR 20" x 20" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER. COLOR TO BE SELECTED BY ARCHITECT.
RG-1 / EG-1	EH PRICE	PDDR	6" DIA 8" DIA 10" DIA 12" DIA 14" DIA 15" DIA	100 210 380 600 750 1000	30	PERFORATED FACE RETURN AIR GRILLE, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24" OR 20" x 20" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY. PROVIDE ROUND NECK ADAPTER. COLOR TO BE SELECTED BY ARCHITECT.

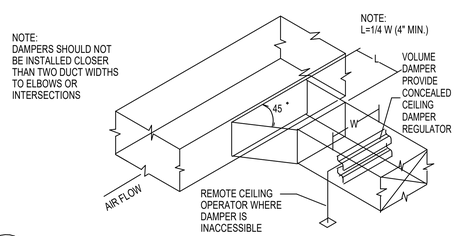
LEVEL 1 VAV BOX SCHEDULE (EXISTING)

ID	MANUFACTURER AND MODEL NUMBER	AREA SERVED	INLET SIZE (IN)	AIR						FLUID			
				COOLING MAXIMUM AIR (CFM)	HEATING MAXIMUM AIR (CFM)	MINIMUM AIR (CFM)	LEAVING AIR TEMP. DB (DEG. F)	NC LEVEL @ 2" S.P. AIR	NC LEVEL @ 2" S.P. RAD	HEAT LOAD (MBH)	TOTAL FLUID FLOW (GPM)	WORKING FLUID	REMARKS
(E)VR-1-58	PRICE SDV	NUCLEAR MED CONTROL 1619	12	1365	1365	1365	80	28	29	35.2	2.3	WATER	(1)
(E)VR-1-59	PRICE SDV	NUCLEAR MED 1618	16	1875	1875	1875	80	28	31	48.3	3.2	WATER	(1)

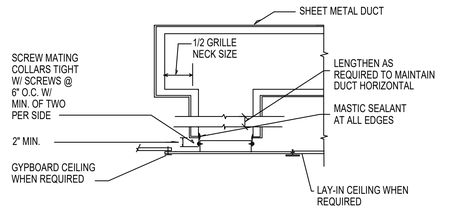
(1) BOX IS EXISTING AND SHOWN FOR BALANCING PURPOSES.



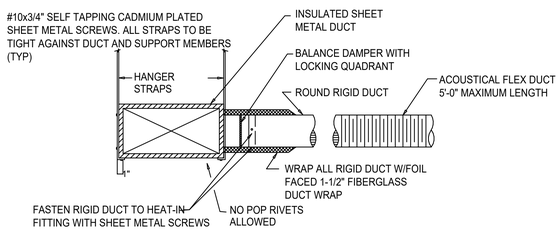
4 / M-601 RECTANGULAR DUCT SUPPORT
NO SCALE



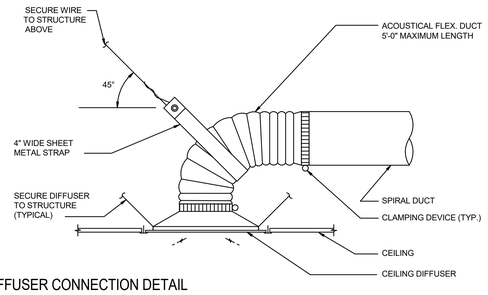
5 / M-601 BRANCH DUCT TAKE-OFF & DAMPER
NO SCALE



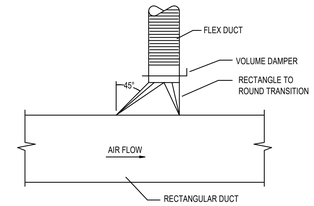
6 / M-601 TYPICAL EXHAUST GRILLE DETAIL
NO SCALE



1 / M-601 FLEX DUCT / HIGH EFFICIENCY TAKEOFF FITTING
NO SCALE



2 / M-601 DIFFUSER CONNECTION DETAIL
NO SCALE



3 / M-601 HIGH EFFICIENCY TAKE-OFF DETAIL
NO SCALE

0 4" 8" 16"

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Electrical Engineer	SPECTRUM
Plumbing Engineer	VAN BOERUM & FRANK
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION

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Sheet Name
MECHANICAL SCHEDULES & DETAILS

Sheet Number
M-601

Project Status
100% CONSTRUCTION DOCUMENTS

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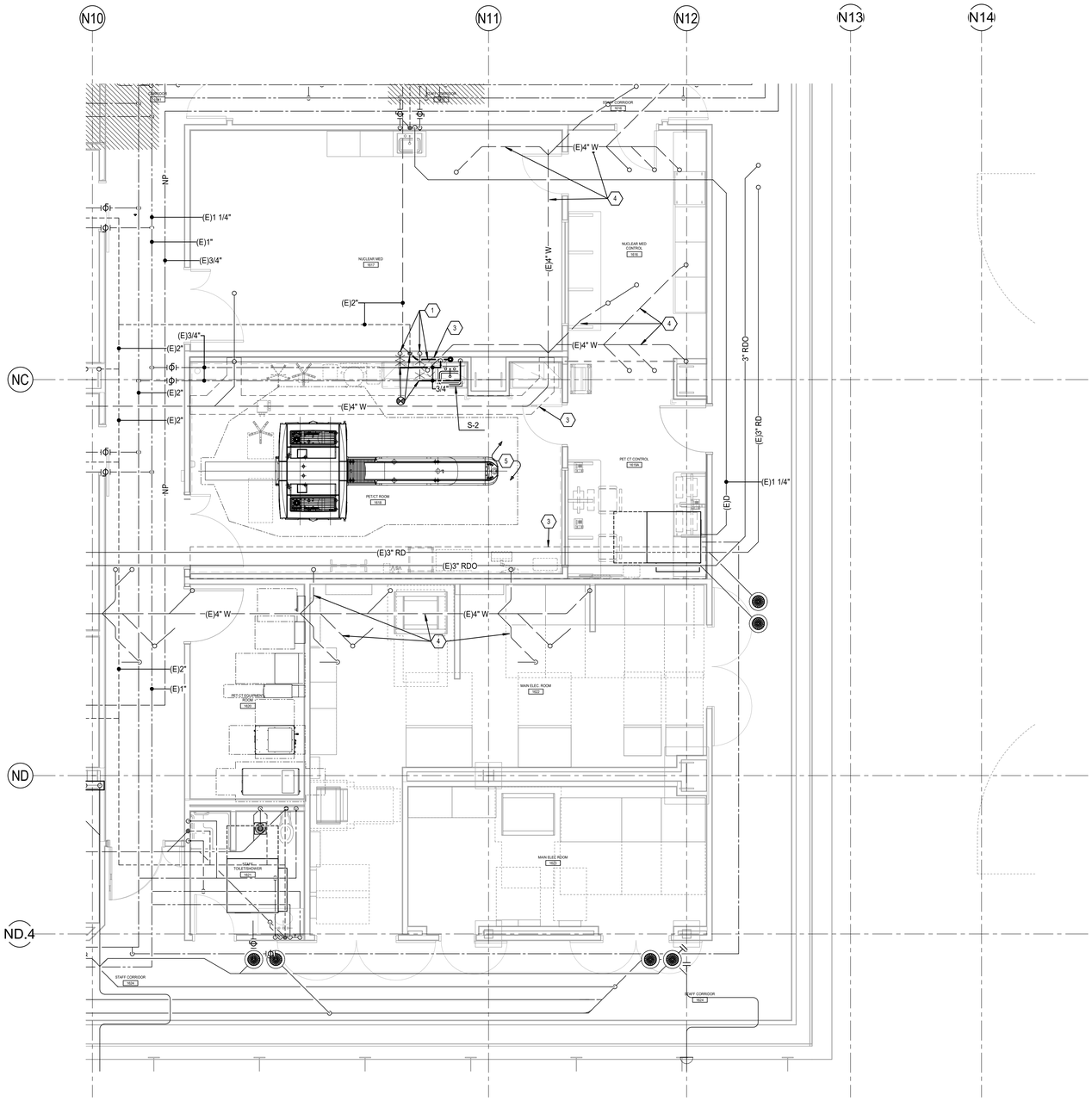
PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	DCW (IN)	DHW (IN)	W (IN)	V (IN)	DESCRIPTION	NOTES
S-2	WORK SINK	1/2	1/2	2	2	COUNTER MOUNTED SINGLE COMPARTMENT, STAINLESS STEEL, WRIST BLADE HANDLES	SINK: ELKAY LR-221965 18 GA. TYPE 302 STAINLESS STEEL SINK; 22" X 19" X 6½" DEEP; SELF RIMMING; (3) FAUCET HOLES ON 4" CENTERS; LK-35 DUO STRAINER; CHICAGO 786-E36ABCP FAUCET WITH WRIST BLADE HANDLES, 5-1/4" RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT, FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; CAST BRASS P-TRAP WITH CLEAN-OUT PLUG. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRU-BRO, COLOR TO BE WHITE.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER.

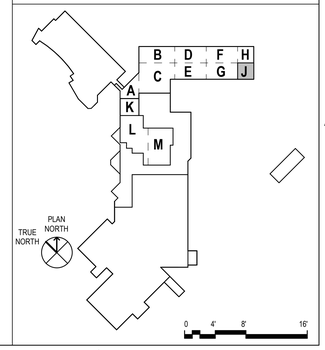


1 PLUMBING PLAN - LEVEL 1 - SECTOR J
1/4" = 1'-0"

KEYED NOTES

1. EXTEND DOMESTIC WATER TO NEW SINK LOCATION. WASTE PIPING TO RUN IN NEW FRAMED WALL TO EXISTING SINK ROUGH -IN LOCATION.
2. CONNECT TO CHILLER DOMESTIC WATER BYPASS.
3. DASHED LINE INDICATES AREAS REQUIRING DRIP PANS. PROVIDE OVERSIZED DRIP PAN WITH WATER SENSOR CONNECTED TO BMS AND DRAIN PIPING TO NEAREST DRAIN BENEATH ALL SEWER AND ROOF DRAIN PIPING ABOVE THE PET PROCEDURE ROOM.
4. EXISTING WASTE PIPING FROM ABOVE.
5. PROVIDE SHIELDING AT ALL UTILITY PENETRATIONS (DUCT, PIPING, CONDUIT, ETC.) INTO PET/CT ROOM. COORDINATE WITH SHIELDING VENDOR/SUPPLIER.

KEY PLAN



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Sheet Name

PLUMBING PLAN - LEVEL 1 - SECTOR J

Sheet Number

P-101J

Project Status

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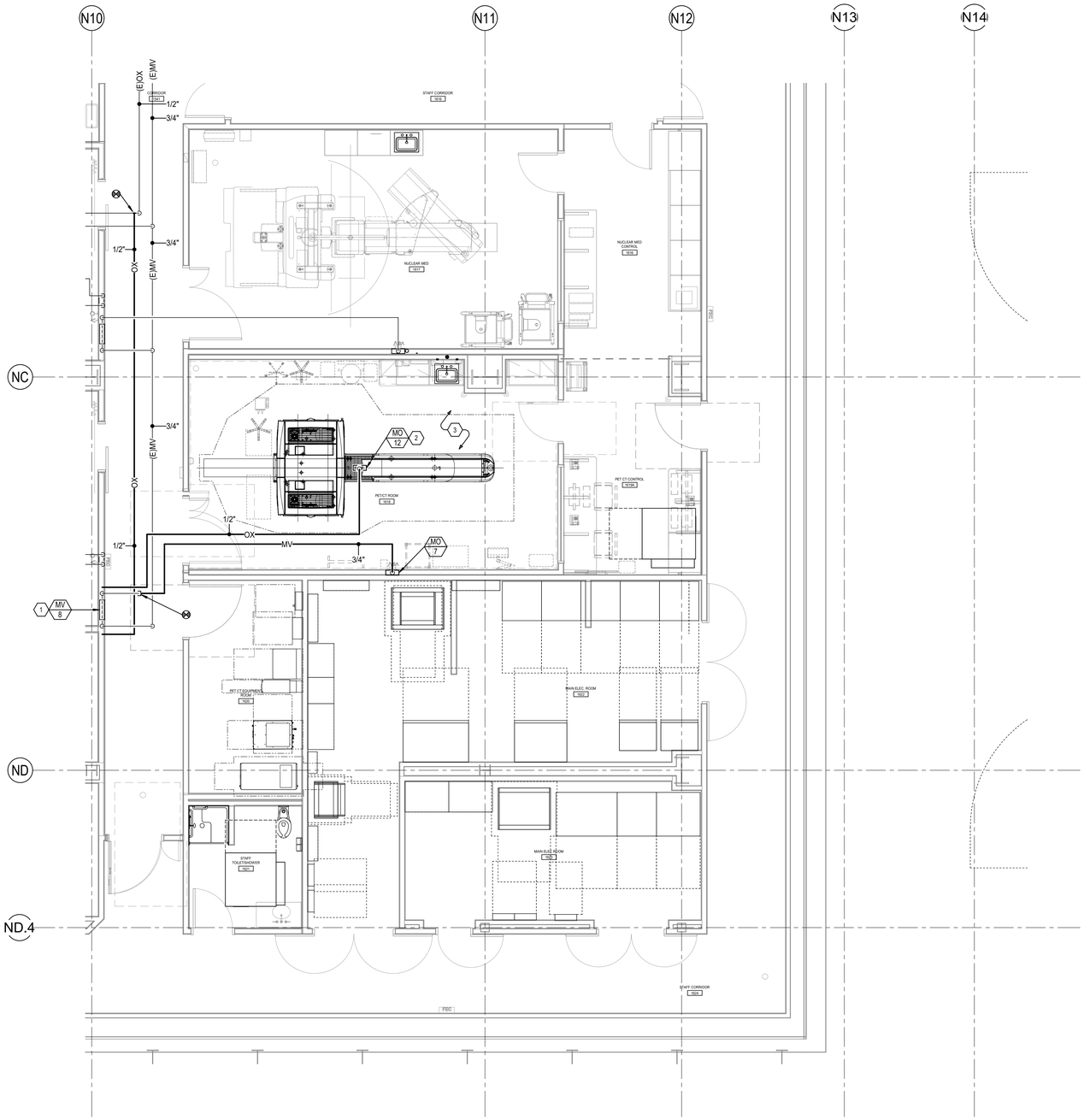


1 MED GAS PLAN - LEVEL 1 - SECTOR J
1/4" = 1'-0"

KEYED NOTES

1. EXTEND NEW MEDICAL OXYGEN PIPING TO EXISTING ZONE VALVE BOX. ADD NEW ISOLATION VALVE WITH PRESSURE GAUGES AND ROUTE PIPING AS SHOWN.
2. CEILING MOUNTED OXYGEN OUTLET. COORDINATE EXACT LOCATION WITH ARCHITECTURAL REFLECTED CEILING PLAN.
3. PROVIDE SHIELDING AT ALL UTILITY PENETRATIONS (DUCT, PIPING, CONDUIT, ETC.) INTO PET/CT ROOM. COORDINATE WITH SHIELDING VENDOR/SUPPLIER.

MEDICAL GAS OUTLETS SCHEDULE

		# OF OUTLETS						PIPE DROP SIZE TO OUTLET(S)						
SYMBOL	ROOM TYPE	OX (5)	MA (5)	MV (6)	CO2 (6)	N2O (5)	WAGD (6)	OX	MA	MV	CO2	NO2	WAGD	REMARKS
MO-7	NUCLEAR MED	-.-	-.-	1	-.-	-.-	-.-	-.-	-.-	3/4"	-.-	-.-	-.-	1,2,4
MO-12	NUCLEAR MED	1	-.-	-.-	-.-	-.-	-.-	1/2"	-.-	-.-	-.-	-.-	-.-	1, 3

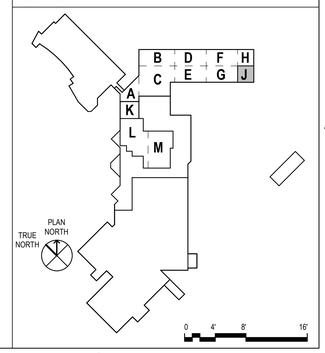
SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS.
OUTLETS IN "MEDICAL EQUIPMENT" ARE SUPPLIED WITH THE PIECE OF EQUIPMENT.
1. PIPE DROP SIZES ARE FOR ONE SET OF OUTLETS.
2. WALL MOUNTED OUTLETS.
3.CEILING MOUNTED OUTLET DROPPED MED GAS HOSE. CEILING OUTLET IS DISS STYLE CONNECTOR TO CONNECT TO DROP HOSE. THE DROP HOSE SHALL HAVE A QUICK DISCONNECT ON THE USER END.
4. INCLUDE MEDICAL VACUUM SLIDES AS SHOWN ON THE ARCHITECTURAL PLANS.
5. UNLESS OTHER WISE NOTED OUTLETS SHALL BE CHIMEDA STYLE QUICK CONNECTORS.
6. UNLESS OTHER WISE NOTED OUTLETS SHALL BE DISS STYLE CONNECTORS.

MEDICAL GAS VALVE SCHEDULE

		PIPE SIZE								
SYMBOL	AREA SERVED	OX	MA	MV	N	IA	N2O	CO2	WAGD	REMARKS
MV-8	NUC MED 1618	1/2"	-	3/4"	-	-	-	-	-	1, 2

1. WITH GAUGES.
2. EXISTING MED GAS VALVE BOX. EXTEND OXYGEN PIPING TO EXISTING VALVE BOX. ADD NEW ISOLATION VALVE WITH PRESSURE GAUGES.

KEY PLAN



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Sheet Name
MED GAS PLAN - LEVEL 1 - SECTOR J

Sheet Number
P-201J

Project Status
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SYMBOLS LEGEND

SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
A5 / E-501	DETAIL INDICATOR; A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
ROOM NAME / 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	PROPERTY LINE: DASHED, WIDE LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
WIRING METHODS	
	WIRING.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
HC	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
C	JUNCTION BOX, CEILING.
PB	PULL BOX.
A"xB" +/-C-D"	CABLE TRAY ABOVE ACCESSIBLE CEILING. "A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. +/-C-D" DENOTES CABLE TRAY ELEVATION ABOVE OR BELOW FINISHED SURFACE.
	LADDER RACK.
J	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	SWITCH, DIMMER.
X $	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, WITH USB OUTLET

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
EPO	PUSH BUTTON, REMOTE EMERGENCY STOP.
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
DP#	DISTRIBUTION PANEL OR SWITCHBOARD.
LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
a,b S	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
RC	DIGITAL LIGHTING ROOM CONTROLLER
DC	DIGITAL LIGHTING DIMMING CONTROLLER
ET	LIGHTING EMERGENCY TRANSFER DEVICE
L X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
FIRE ALARM	
CM	CONTROL MODULE.
MM	MONITOR MODULE.
F	FIRE ALARM MANUAL PULL STATION.
R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
SD	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
FSD	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
RTS	REMOTE ALARM INDICATING AND TEST SWITCH.
	STROBE, WALL MOUNTED.
75	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
75	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
C	ALARM, CHIME/STROBE, WALL MOUNTED, ONE ASSEMBLY.
75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
CCTV	
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
360°	PANNING CAMERA TRANSVERSE ANGLE.
SECURITY	
	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
ACC	ACCESS CONTROL HEADEND EQUIPMENT.
CTR	SECURITY CONTROL PANEL.
SEC	INTRUSION DETECTION HEADEND EQUIPMENT.
#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
CR	CARD READER.
IC	INTERCOM STATION.
IRU	DUAL TECHNOLOGY PASSIVE INFRARED SENSOR AND ULTRASONIC MOTION DETECTOR.
P	PANIC DURESS SWITCH.
MSI	MASTER STATION, INTERCOM.
TV DISTRIBUTION	
CMB	COMBINER.
DC	DIRECTIONAL COUPLER.
DA	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
SPL	SPLITTER (ONE-LINE DIAGRAM).
	TV OUTLET.
	TERMINATOR, 75 OHM (TV DISTRIBUTION).

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2/C	TWO-CONDUCTOR
2WAY	TWO-WAY
3/C	THREE-CONDUCTOR
3WAY	THREE-WAY
4OUT	QUADRUPLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
AC	ARMORED CABLE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB	BUCK-BOOST TRANSFORMER
XFMR	
C	CEILING MOUNTED
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dBA	UNIT OF SOUND LEVEL
DPDT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EX	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FCP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FOB	FREIGHT ON BOARD
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
G	GROUND
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HZ	HERTZ
I/O	INPUT/ OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN/IS	INSULATED/ ISOLATED
IR	INFRARED
J-BOX	JUNCTION BOX
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kVAR	KILOVOLT AMPERE REACTIVE
kW	KILOWATT
kWh	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MDP	MAIN DISTRIBUTION PANEL
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIOANL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCP	OVER CURRENT PROTECTION
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OFP	OBTAIN FROM PLANS
OH DR	OVERHEAD (COILING) DOOR
OL	OVERLOAD
PB	PUSHBUTTON
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RPM	REVOLUTIONS PER MINUTE
RR	REMOVE AND RELOCATE
S/S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SF	SQUARE FOOT (FEET)
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATION
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UF	UNDERFLOOR
UGND	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.

2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
   A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
   B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
   C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE.THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.

3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.

4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.

5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.

6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

ELECTRICAL SHEET INDEX...

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Wayfinding	N/A
Sheet Reviewer	JAD

MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	06/28/2024

LICENSED PROFESSIONAL ENGINEER
No. 7705798
CARMON A. GETZ
06/28/2024
STATE OF UTAH

Sheet Name
ELECTRICAL COVER SHEET

Sheet Number
EE001

Project Status
100% CONSTRUCTION DOCUMENTS

6/27/2024 2:27:16 PM Autodesk Docs://10394230_LRH_PET-CT/10394230_E_LRH PET-CT.rvt JOB 240030

CABLE/OUTLET COLOR SCHEDULE

COLOR	TYPE
BLACK	TV COAX
BLUE	DATA
BLUE	IP SECURITY CAMERAS
GRAY	SECURITY CARD READERS
ORANGE	CLINICAL ENGINEERING / NURSE CALL

COPPER PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	BLUE	20% OF TOTAL PORTS IN TDR'S	-
7'	BLUE	60% OF TOTAL PORTS IN TDR'S	-
10'	BLUE	20% OF TOTAL PORTS IN TDR'S	-

EQUIPMENT/CABLE LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS, WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A F/UTP PLENUM RATED, BLUE, DATA	SIEMON 9A6P4-A5-06-R1A
▽	VOICE OUTLET, SINGLE GANG FACEPLATE, WHITE W/WALL HUNG PHONE MOUNTING STUDS, ONE POSITION W/ CATEGORY 6A INSERT	SIEMON MX-WP-Z6AS-SS
▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
▼	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
M C-M ▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION (C=CEILING MOUNTED FACEPLATE)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - CLINICAL ENGINEERING, ORANGE	SIEMON Z6A-S09
	BLANK INSERT, WHITE	SIEMON MX-BL-02
⇨	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
RPP2	48 PORT, 2RU ANGLED PATCH PANEL, 110 STYLE TERMINATION	SIEMON HD5-48A
	BLANK FILLER PANEL, 1RU ANGLED	SIEMON PNL-BLNKA-1
SPP1	48 PORT, 1RU ANGLED PATCH PANEL, WITH OUTLETS - DETACHABLE REAR MNG	SIEMON Z6AS-PA-48
	TRIPLE-TREE J-HOOKS	CADDY CAT64HPSWM3

NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

GENERAL PROJECT NOTES

1. UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGHTHE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
2. PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
3. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
4. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING, WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES, BUT IS NOT LIMITED TO, ALL CABLE LABELING AND ALL EQUIPMENT LABELING.
5. IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
6. GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
7. FOR EVERY PULL SPECIFIED, COIL 15 FEET OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15 FEET ABOVE THE CEILING OR BELOW THE FLOOR, WHERE APPLICABLE.
8. PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
9. RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF THERE IS A SYSTEM THAT HAS NO RACK SPACE AVAILABLE, PLEASE CALL BOE SAUSEDO AT 801-707-3805.
10. COORDINATE WITH ALL SUB-CONTRACTORS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.
11. CONTRACTOR TO PROVIDE FIRE-RATED SLEEVES THROUGH 1-HOUR RATED WALLS AND HIGHER. NUMBER OF SLEEVES TO BE DETERMINED AND CALCULATED BY MAXIMUM CABLE TRAY CAPACITY AT WALL PENETRATION. FINAL QUANTITY OF SLEEVES TO BE DETERMINED BY CONTRACTOR.
12. CONTRACTOR TO PROVIDE SMOKE AND ACOUSTICAL-RATED SLEEVES THROUGH SMOKE WALLS AND ALL OTHER NON-RATED PENETRATIONS. (2) 4" SLEEVES PER ROOM FOR CABLE CAPACITY AND SERVICE SEPARATION. FINAL QUANTITY OF SLEEVES TO BE DETERMINED BY CONTRACTOR.
13. CONTRACTOR TO PROVIDE FIRE-RATED SLEEVES THROUGH 1-HOUR RATED WALLS AND HIGHER. (1) SLEEVE PER J-HOOK PATHWAY FOR CABLE CAPACITY AND SERVICE SEPARATION.
14. CONTRACTOR TO PROVIDE SMOKE AND ACOUSTICAL-RATED SLEEVES THROUGH SMOKE WALLS AND ALL OTHER NON-RATED PENETRATIONS. (1) SLEEVE PER J-HOOK PATHWAY FOR CABLE CAPACITY AND SERVICE SEPARATION.

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Project Architect	BEN HICKMAN
Landscape Architect	N/A
Civil Engineer	N/A
Structural Engineer	REAVELEY
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Electrical Engineer	SPECTRUM
Plumbing Engineer	VAN BOERUM & FRANK
Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A

Sheet Reviewer	JAD

MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	06/28/2024

LICENSED PROFESSIONAL ENGINEER
No. 7057918
CARLTON A. GETZ
06/28/2024
STATE OF UTAH

Sheet Name

TELECOM SCHEDULES AND NOTES

Sheet Number

EE002

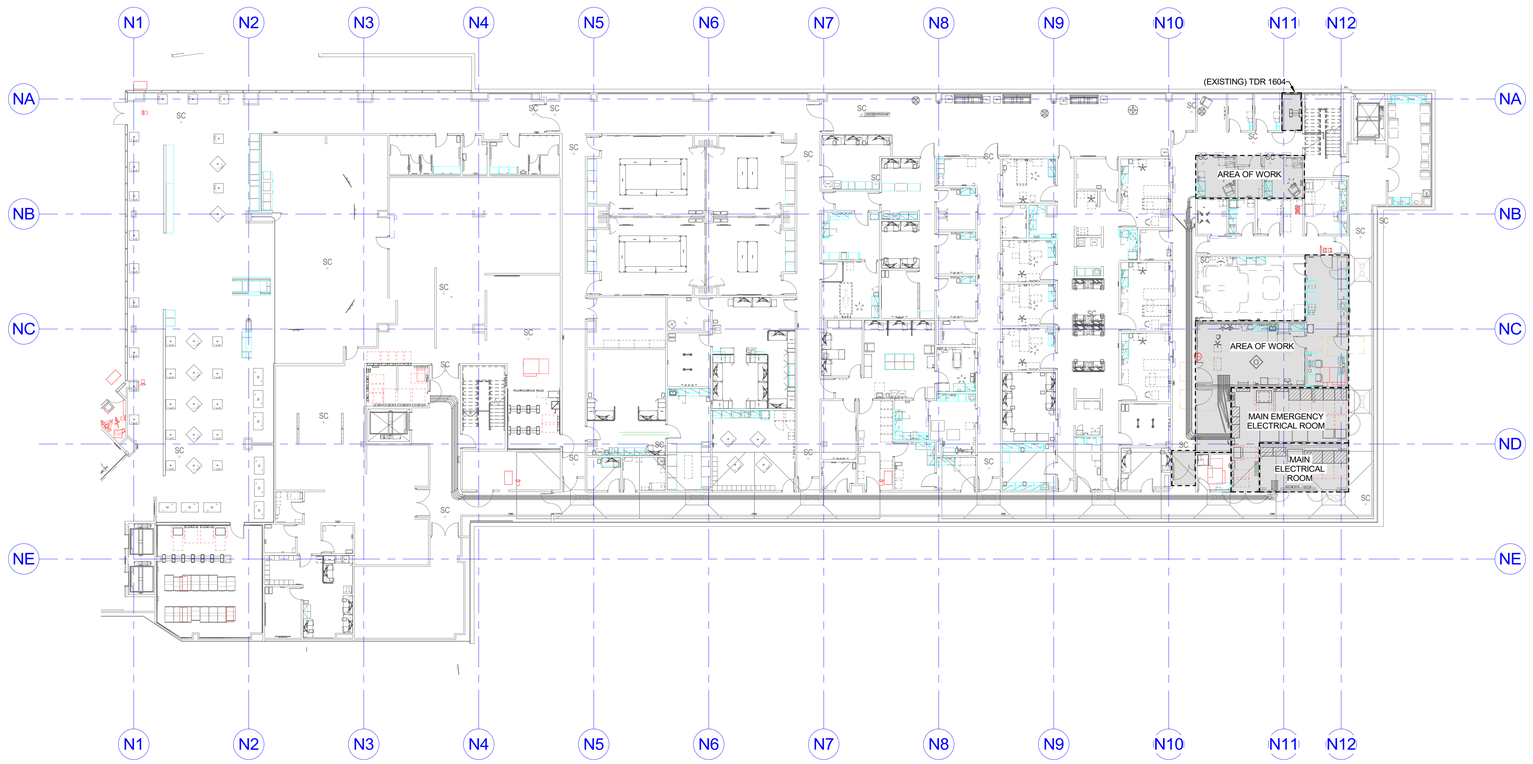
Project Status

100% CONSTRUCTION DOCUMENTS

GENERAL SHEET NOTES

1 PROVIDE 48" CONDUIT SWEEPS FOR ALL 4" CONDUITS FOR LOGAN CITY POWER PRIMARY MEDIUM VOLTAGE CONDUITS.

SHEET KEYNOTES



1 LEVEL 1 OVERALL PET/CT ELECTRICAL PLAN
SCALE: 1/16" = 1'-0"

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Sheet Name
LEVEL 1 OVERALL ELECTRICAL PLAN

Sheet Number
EE101

Project Status
100% CONSTRUCTION DOCUMENTS

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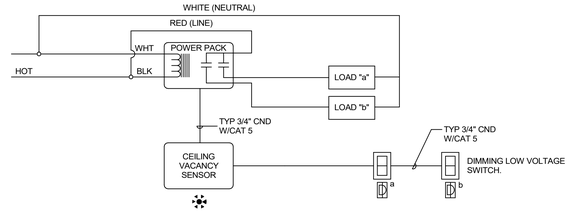
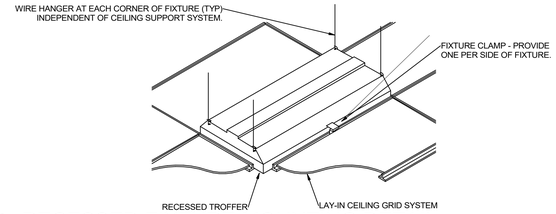


*PROVIDE ALL COMPONENTS NECESSARY FOR AN EQUIVALENT, FULLY FUNCTIONAL SYSTEM IF PROVIDING OTHER THAN BASIS OF DESIGN SYSTEM.

D4 TYPICAL MULTIPLE ZONE VACANCY SENSOR WIRING DIAGRAM

SCALE: NTS

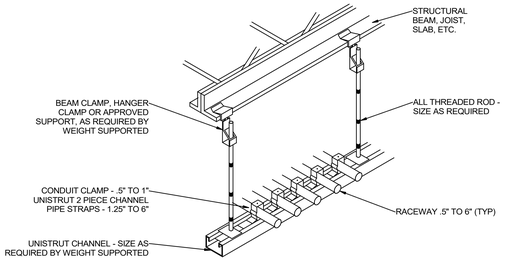


D2 RECESSED FIXTURE MOUNTING DETAIL

SCALE: NTS

B5 TV DEVICE MOUNTING DETAIL

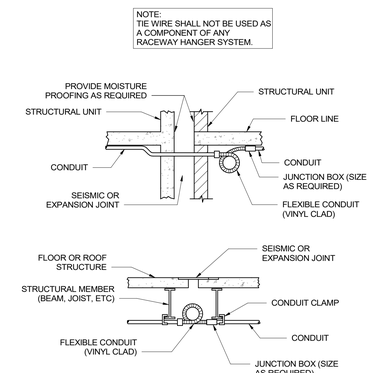
SCALE: NTS



B4 TYPICAL CONDUIT RACK DETAIL

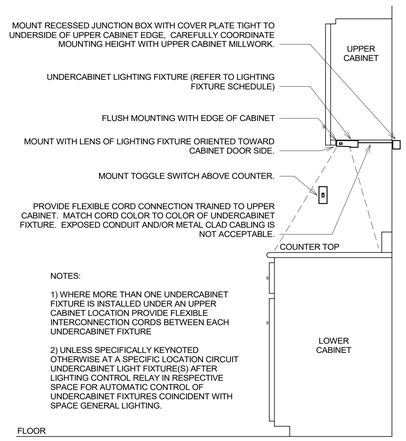
SCALE: NTS

NOTE:
TIE WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM.



B2 CONDUIT EXPANSION JOINT DETAIL

SCALE: NTS



NOTES:

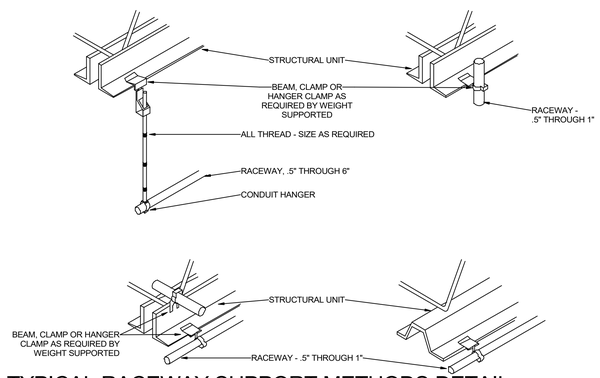
1) WHERE MORE THAN ONE UNDERCABINET FIXTURE IS INSTALLED UNDER AN UPPER CABINET LOCATION PROVIDE FLEXIBLE INTERCONNECTION CORDS BETWEEN EACH UNDERCABINET FIXTURE

2) UNLESS SPECIFICALLY KEYNOTED OTHERWISE AT A SPECIFIC LOCATION CIRCUIT UNDERCABINET LIGHT FIXTURE(S) AFTER LIGHTING CONTROL RELAY IN RESPECTIVE SPACE FOR AUTOMATIC CONTROL OF UNDERCABINET FIXTURES COINCIDENT WITH SPACE GENERAL LIGHTING.

A5 TYPICAL UNDERCABINET LIGHTING FIXTURE MOUNTING DETAIL

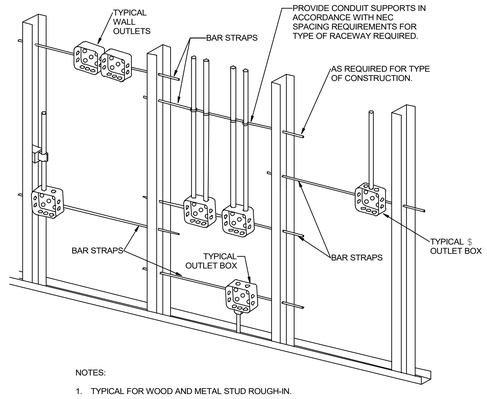
SCALE: NTS

NOTE:
TIE WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM.



A4 TYPICAL RACEWAY SUPPORT METHODS DETAIL

SCALE: NTS



NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

A2 TYPICAL ROUGH-IN REQUIREMENTS DETAIL

SCALE: NTS

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STATE OF UTAH

Sheet Name

ELECTRICAL DETAILS

Sheet Number

EE501

Project Status

100% CONSTRUCTION DOCUMENTS

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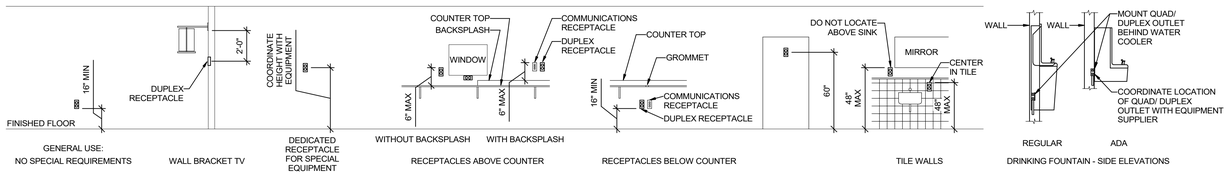
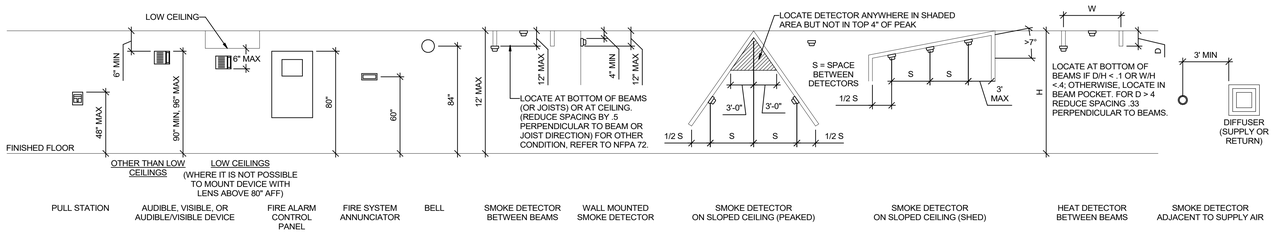
JOB 240000



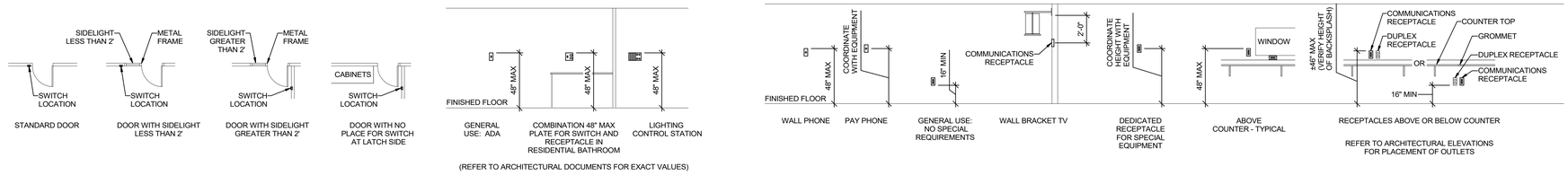
E5 RECEPTACLE MOUNTING DETAILS1

SCALE: NTS



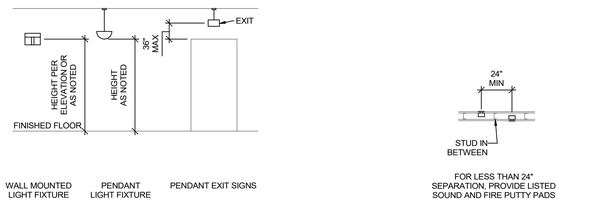
D5 FIRE ALARM MOUNTING DETAILS1

SCALE: NTS



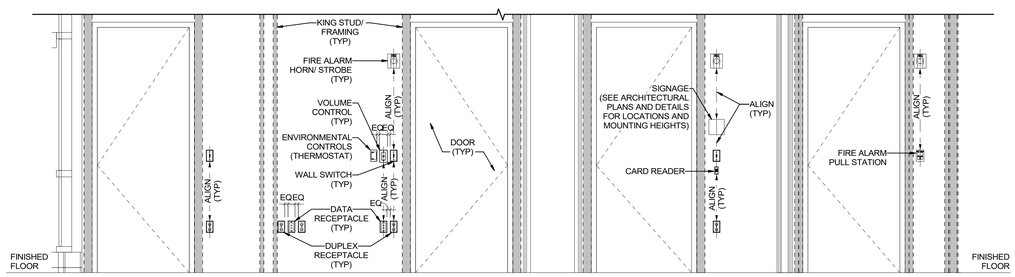
C5 SWITCH MOUNTING DETAILS1

SCALE: NTS



C3 COMMUNICATIONS MOUNTING DETAILS1

SCALE: NTS



B5 LIGHTING MOUNTING DETAILS1

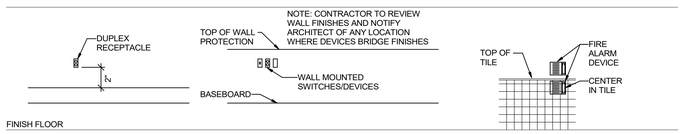
SCALE: NTS

B4 BOX MOUNTING DETAILS1

SCALE: NTS

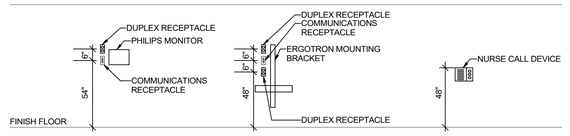
B3 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL1

SCALE: NTS



A5 DEVICE COORDINATION DETAILS (HEALTH CARE)

SCALE: NTS

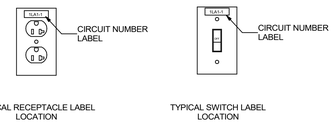


A3 MEDICAL DEVICE MOUNTING HEIGHTS

SCALE: NTS

*LABEL TO BE CENTERED IN NAMEPLATE, PREFERABLE ON FACE OF EQUIPMENT AND TOWARDS THE TOP.

**REFER TO TYPICAL SWITCH/RECEPTACLE LABELING DETAIL FOR LABEL REQUIREMENTS.



A1 TYPICAL SWITCH AND RECEPTACLE LOCATION DETAIL

SCALE: NTS

GENERAL SHEET NOTES

1 MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:

A - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).

B - EQUIPMENT SHOP DRAWINGS.

C - FIELD INSTRUCTIONS.

2 LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.

3 MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.

4 MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.

5 SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.

6 LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.

7 VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.

8 LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.

9 WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.

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Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	JAD

MARK	DATE	DESCRIPTION

Project Number	10394230
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LICENSED PROFESSIONAL ENGINEER
No. 7057918
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CE TZ
06/28/2024
STATE OF UTAH

Sheet Name
TYPICAL MOUNTING DETAILS

Sheet Number
EE701

Project Status
100% CONSTRUCTION DOCUMENTS

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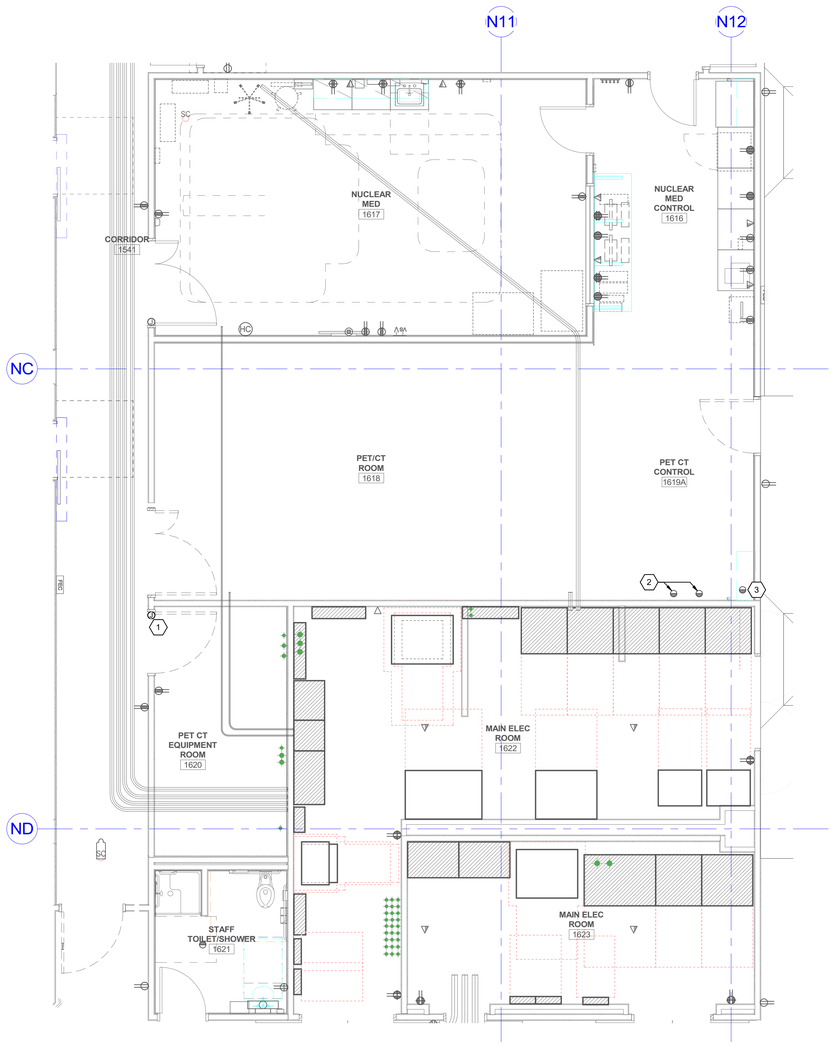
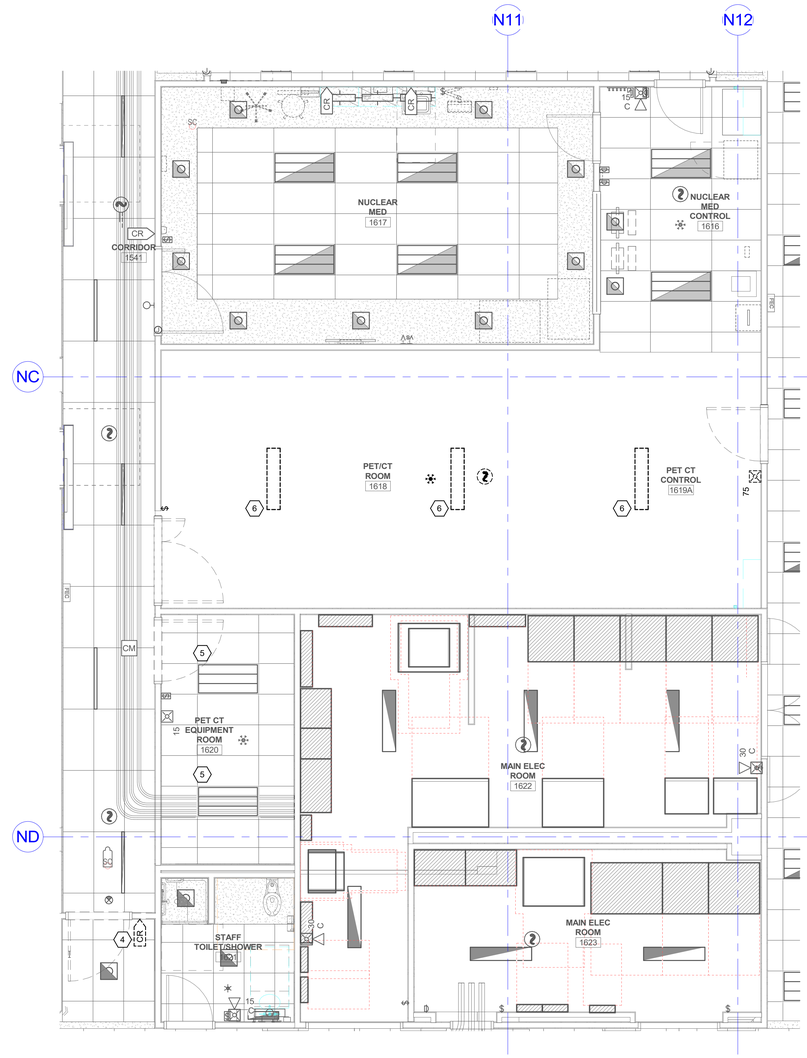


A5 LEVEL 1 PET/CT ELECTRICAL DEMOLITION PLAN

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



A3 LEVEL 1 PET/CT ELECTRICAL DEMOLITION RCP

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

GENERAL SHEET NOTES

1 DEMOLISH ALL ELECTRICAL EQUIPMENT, CONDUIT, AND WIRING TO BE REMOVED BACK TO THE PANELBOARD. DENOTE ALL REMOVED CIRCUITS AS "SPARE" ON THE PANEL SCHEDULE KEPT WITH EACH PANELBOARD. TURN ALL CIRCUIT BREAKERS AND SWITCHES PROTECTING CIRCUITS REMOVED DURING DEMOLITION TO THE "OFF" POSITION.

2 REMOVE ALL UNUSED AND ABANDONED ELECTRICAL EQUIPMENT, CONDUIT, AND WIRING. DO NOT LEAVE ABANDONED COMPONENTS IN PLACE UNLESS OTHERWISE NOTED.

3 WHERE THE SOURCE TO OTHER ELECTRICAL ITEMS WHICH ARE TO REMAIN IS INTERRUPTED BY THE REMOVAL OF AN ITEM OR DEVICE, THE CONTRACTOR SHALL INSTALL THE NECESSARY CONDUIT AND WIRE TO RECONNECT IT TO ITS NEAREST OR MOST CONVENIENT ORIGINAL SOURCE.

4 WHERE CIRCUITS OR OTHER ELECTRICAL EQUIPMENT UNRELATED TO THIS WORK PASS THROUGH THE AREA AFFECTED BY DEMOLITION, THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO MAINTAIN THE EXISTING INSTALLATION OR PERFORM THE NECESSARY WORK TO RELOCATE SUCH CIRCUITING OR OTHER ELECTRICAL EQUIPMENT AS NECESSARY TO MAINTAIN CONTINUITY.

5 ALL DEMOLITION WORK SHALL BE FULLY COORDINATED WITH ALL TRADES.

6 REFER TO ARCHITECTURAL PLANS FOR COMPLETE SCOPE OF DEMOLITION WORK. THE CONTRACTOR SHALL SURVEY THE EXISTING CONDITIONS PRIOR TO BIDDING TO INCORPORATE THE SCOPE OF DEMOLITION WORK INTO THE BID.

7 THE BUILDING OWNER RESERVES THE RIGHT TO HAVE SOME OF THE REMOVED MATERIALS STORED ON SITE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING, IN CONJUNCTION WITH THE BUILDING OWNER, THE LIST OF WHAT IS TO BE SALVAGED.

8 ALL DEVICES AND EQUIPMENT SHOWN SHALL BE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. REFER TO THE LIGHTING PLAN FOR ADDITIONAL INFORMATION ON EXISTING LIGHT FIXTURES TO BE RELOCATED UNDER THIS WORK.

9 DEMOLISH ALL EXISTING DEVICES ON EXISTING WALLS TO BE DEMOLISHED UNLESS SPECIFICALLY NOTED OTHERWISE. REMOVE ALL ASSOCIATED CONDUIT, CONDUCTORS, ETC., BACK TO NEAREST SOURCE TO REMAIN.

10 PRIOR TO COMMENCEMENT OF DEMOLITION WORK, GENERAL CONTRACTOR IS TO COORDINATE WITH FACILITY SYSTEM VENDORS (BMS, DATA, LIGHTING CONTROL, NURSE CALL, PAGING, ETC.) AND INTERMOUNTAIN INFORMATION SERVICES A THREE WORKING DAY PERIOD FOR VENDOR REMOVAL, RELOCATION, AND PROTECTION OF EXISTING VENDOR SYSTEM CABLING WITHIN PROJECT AREA OF WORK. DEMOLITION WORK MAY COMMENCE ONLY AFTER VENDOR COMPLETION OR AS APPROVED BY INTERMOUNTAIN HEALTH CARE PROJECT MANAGER.

11 PROVIDE LABELS ON ALL NEW DEVICES PER PROJECT SPECIFICATIONS CONFORMING WITH DIVISION 26 SPECIFICATIONS FOR IDENTIFICATION OF ELECTRICAL EQUIPMENT AND INTERMOUNTAIN'S DIVISION 27 SPECIFICATIONS PRIOR TO SUBSTANTIAL COMPLETION.

12 EXISTING CABLING, CONDUIT, ETC., SERVING SPACES NOT DIRECTLY IMPACTED BY THE SCOPE OF WORK MAY BE IMPROPERLY SUPPORTED OR UNSUPPORTED. PROVIDE AN HOURLY TIME AND MATERIALS RATE FOR PROPERLY SUPPORTING ANY EXISTING TO REMAIN CABLING, CONDUIT, ETC., FOUND TO BE IMPROPERLY SUPPORTED OR UNSUPPORTED TO CONFORM WITH THE SUPPORT REQUIREMENTS IN THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL DOCUMENT AND REPORT ALL INSTANCES OF IMPROPERLY SUPPORTED OR UNSUPPORTED CABLING, CONDUIT, ETC., TO OWNER AND ARCHITECT. RESUPPORT ANY EXISTING CABLING AND/OR CONDUIT AS NECESSARY TO ELIMINATE CONTACT WITH EXISTING FIRE PROTECTION PIPING AND AVOID CONTACT WITH NEW FIRE PROTECTION LINES.

SHEET KEYNOTES

1 DEMOLISH ELECTRICAL CONNECTION TO EXISTING DOOR HARDWARE TO BE REMOVED. MAINTAIN EXISTING BRANCH CIRCUITING (EXPECTED E1LA1-26) FOR EXTENSION AND CONNECTION TO NEW DOOR HARDWARE INSTALLED UNDER NEW WORK.

2 EXISTING POWER CONNECTION TO MED GAS ALARM PANEL TO REMAIN.

3 EXISTING POWER CONNECTION TO MECHANICAL UNIT CRU-2 TO REMAIN.

4 REMOVE AND SALVAGE CARD READER FOR RELOCATION UNDER NEW WORK. MAINTAIN EXISTING ACCESS CONTROL CONNECTION FOR RECONNECTION TO RELOCATED CARD READER AND NEW DOOR HARDWARE UNDER NEW WORK.

5 EXISTING LIGHT FIXTURE TO REMAIN. DISCONNECT FROM CURRENT NORMAL POWER LIGHTING BRANCH CIRCUIT. MAINTAIN CONTINUITY OF EXISTING NORMAL POWER BRANCH CIRCUIT TO MAINTAIN FUNCTIONALITY OF EXISTING LIGHTING TO REMAIN OUTSIDE PROJECT SCOPE. CONNECT TO NEW CRITICAL POWER LIGHTING BRANCH CIRCUIT UNDER NEW WORK. MAINTAIN ALL LIGHTING CONTROLS SERVING FIXTURE.

6 SALVAGE EXISTING LIGHT FIXTURE. RETURN TO OWNER.

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Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	JAD

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LICENSED PROFESSIONAL ENGINEER
No. 7037918
CARMON A. GETZ
06/28/2024
STATE OF UTAH

Sheet Name

LEVEL 1 ELECTRICAL DEMOLITION PLANS

Sheet Number

ED101

Project Status

100% CONSTRUCTION DOCUMENTS

Autodesk Docs://10394230_LRH_PET-CT/10394230_E_LRH PET-CT.rvt
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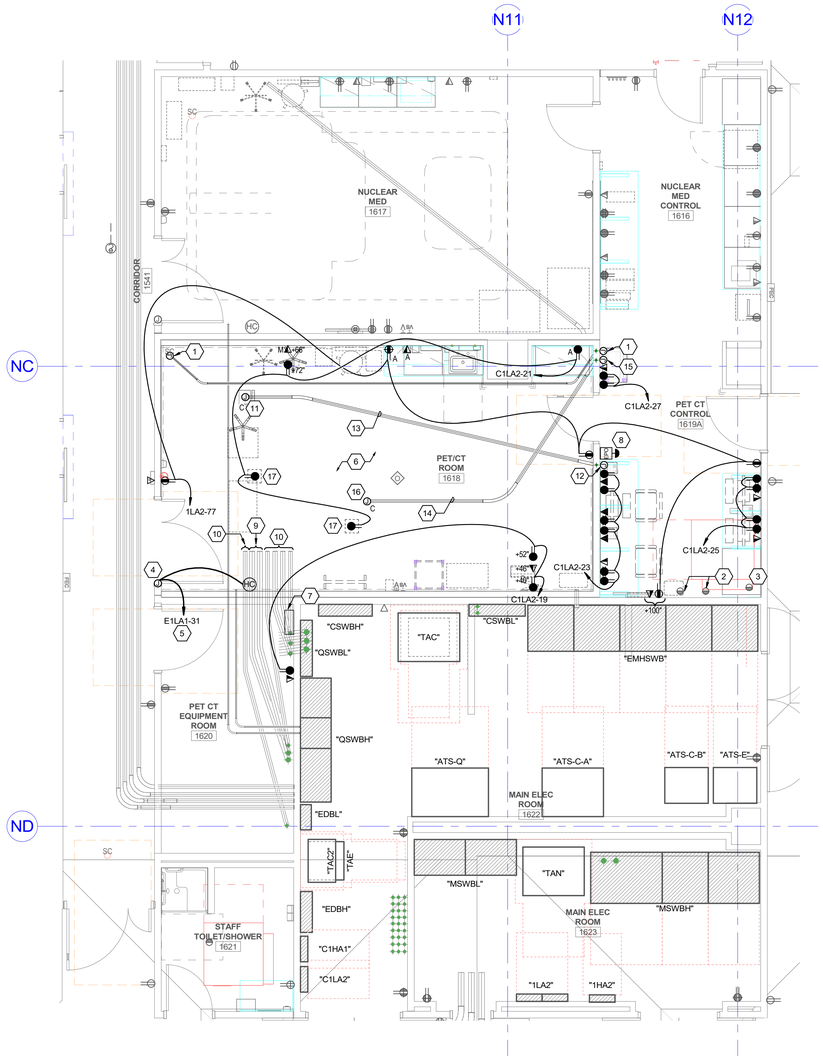

A3 LEVEL 1 PET/CT POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 PROVIDE LABELS ON ALL NEW DEVICES PER PROJECT SPECIFICATIONS CONFORMING WITH DIVISION 26 SPECIFICATIONS FOR IDENTIFICATION OF ELECTRICAL EQUIPMENT AND INTERMOUNTAIN'S DIVISION 27 SPECIFICATIONS PRIOR TO SUBSTANTIAL COMPLETION.

2 EXISTING CABLING, CONDUIT, ETC., SERVING SPACES NOT DIRECTLY IMPACTED BY THE SCOPE OF WORK MAY BE IMPROPERLY SUPPORTED OR UNSUPPORTED. PROVIDE AN HOURLY TIME AND MATERIALS RATE FOR PROPERLY SUPPORTING ANY EXISTING TO REMAIN CABLING, CONDUIT, ETC., FOUND TO BE IMPROPERLY SUPPORTED OR UNSUPPORTED TO CONFORM WITH THE SUPPORT REQUIREMENTS IN THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL DOCUMENT AND REPORT ALL INSTANCES OF IMPROPERLY SUPPORTED OR UNSUPPORTED CABLING, CONDUIT, ETC., TO OWNER AND ARCHITECT. RESUPPORT ANY EXISTING CABLING AND/OR CONDUIT AS NECESSARY TO ELIMINATE CONTACT WITH EXISTING FIRE PROTECTION PIPING AND AVOID CONTACT WITH NEW FIRE PROTECTION LINES.

3 REFER TO KITCHEN SCHEDULES FOR ALL KITCHEN DEVICE MOUNTING HEIGHTS.

4 PROVIDE TOGGLE SWITCH DISCONNECT AT EACH FIRE SMOKE DAMPER (FSD). LOCATE TOGGLE SWITCH ADJACENT TO FSD IN AN ACCESSIBLE LOCATION.

5 PROVIDE TOGGLE SWITCH DISCONNECT AT EACH SMOKE DAMPER (SD). LOCATE TOGGLE SWITCH ADJACENT TO SD IN AN ACCESSIBLE LOCATION.

6 COORDINATE MOUNTING LOCATION OF RECEPTACLE, DATA, HDMI, ETC., DEVICES INDICATED FOR WALL MOUNTED MONITORS WITH MONITOR WALL MOUNT HARDWARE PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL ELEVATIONS.

7 PROVIDE DISCONNECT SWITCH WITH AMPERE RATING EXCEEDING CIRCUIT BREAKER SERVING RESPECTIVE KITCHEN EQUIPMENT BRANCH CIRCUIT.

SHEET KEYNOTES

1 PROVIDE (1) 1" CONDUIT FROM JUNCTION BOX ALIGNED WITH EKG RECEPTACLE TO CAMERA IN PET/CT ROOM. PROVIDE JUNCTION BOX WITH GROMMET COVER PLATE.

2 EXISTING POWER CONNECTION TO MED GAS ALARM PANEL TO REMAIN.

3 EXISTING POWER CONNECTION TO MECHANICAL UNIT CRU-2 TO REMAIN.

4 PROVIDE POWER FOR DOOR AUTO OPENER. EXTEND AND CONNECT POWER PER MANUFACTURER INSTALLATION INSTRUCTION.

5 EXTEND AND CONNECT TO EXISTING LIFE SAFETY BRANCH CIRCUIT MAINTAINED DURING DEMOLITION.

6 ALL POWER AND DATA DEVICES WITHIN SPACE ARE TO BE INSTALLED WITH LEAD SHIELDING IN ACCORDANCE WITH SPECIFICATION SECTION 134900.

7 PET/CT VENDOR PROVIDED MAIN DISCONNECT PANEL (MDP). PROVIDE CONNECTION FROM EXISTING 90A BREAKER IN QSWBH.

8 LOCATE PET/CT EPO DEVICE ABOVE LIGHTING CONTROLS.

9 EXTEND EXISTING CONDUITS STUBBED UP INTO PET/CT SPACE TO EQUIPMENT FOR WATER LINES. REFER TO GE SITE SPECIFIC DOCUMENTS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.

10 EXTEND EXISTING CONDUITS STUBBED INTO PET/CT SPACE FROM CONTROL ROOM PER GE SITE SPECIFIC DRAWING REQUIREMENTS. REFER TO THE EP800 SERIES SHEETS FOR ADDITIONAL INFORMATION. ROUT ALL NEW CONDUIT TO AVOID GOING UNDER EXISTING SPACES OUTSIDE OF THE PROJECT SCOPE.

11 PROVIDE JUNCTION BOX AND CONDUIT CONNECTION TO CEILING MOUNTED BOOM FOR CONTRAST INJECTOR. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.

12 PROVIDE JUNCTION BOX FOR CONTROL ROOM TERMINATION OF CONTRAST INJECTOR CABLING. CONTROL CABLING PROVIDED BY VENDOR. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.

13 PROVIDE (1) CONTINUOUS 2" CONDUIT WITH PULL STRING. PROVIDE LONG SWEEP BENDS. CONDUIT NOT TO EXCEED 20'. CONTRAST INJECTOR VENDER TO PROVIDE CABLING.

14 PROVIDE (1) CONTINUOUS 2" CONDUIT WITH PULL STRING FOR EKG PATIENT CABLING. PROVIDE LONG SWEEP BENDS.

15 PROVIDE JUNCTION BOX FOR EKG PATIENT CABLING ALIGNED WITH EKG RECEPTACLE WITH GROMMET COVER PLATE.

16 PROVIDE CEILING MOUNTED JUNCTION BOX WITH GROMMET COVER PLATE FOR EKG PATIENT CABLING. COORDINATE EXACT LOCATION WITH CABLING HOOK AND ARCHITECT IN THE FIELD.

17 PROVIDE SURFACE MOUNTED STAINLESS STEEL PEDESTAL (WIREMOLD 5251 OR EQUIVALENT) FOR DUPLEX RECEPTACLE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

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Wayfinding	N/A
Sheet Reviewer	JAD

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LICENSED PROFESSIONAL ENGINEER
No. 7057918
CARLTON A. GETZ
06/28/2024
STATE OF UTAH

Sheet Name
LEVEL 1 POWER PLAN

Sheet Number
EP101

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JOB 240900

SWITCHBOARD "QSWBH" (EXISTING)

VOLTS/PHASE/WIRE:	MAIN SIZE & TYPE:	LOCATION:	NOTES:
480/277 V ,3 PH, 4 WIRE	1600 AMPERE MAIN	MAIN ELEC. ROOM 1622	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR — AIC RATING: 65000

CKT NO	OCP AMP	OCP POLE	LOAD (kVA) LTG	LOAD (kVA) PWR	LOAD (kVA) CO	PANEL / EQUIPMENT	PHASE LOAD (kVA) A	PHASE LOAD (kVA) B	PHASE LOAD (kVA) C
1	200	3	0.0	60.8	2.0	(EX) TAQ	20.4	21.0	21.4
2	225	3	0.0	67.7	0.0	(EX) Q1HA1	22.6	22.6	22.6
3	225	3	0.0	6.0	0.0	(EX) Q2HA1	2.0	2.0	2.0
4	225	3	0.0	10.6	0.0	(EX) Q3HA1	3.5	3.5	3.5
5	1200	3	0.0	708.9	0.0	(EX) Q4HA1	236.8	235.4	236.7
6	90	3	0.0	50.0	0.0	(NEW) PET/CT 1618 (NOTE 1)	16.7	16.7	16.7
7	80	3	0.0	12.5	0.0	(EX) NUCLEAR MED 1617	4.2	4.2	4.2
8	200	3	0.0	65.4	0.0	(EX) ELEVATOR #4	21.8	21.8	21.8
9	150	3	0.0	52.6	0.0	(EX) TBQ1 (TULB)	18.4	17.1	17.1
10	225	3	0.0	0.0	0.0	(EX) SPARE	0.0	0.0	0.0
11	225	3	0.0	0.0	0.0	(EX) SPARE	0.0	0.0	0.0
12	225	3	0.0	0.0	0.0	(EX) SPARE	0.0	0.0	0.0
13	--	1	0.0	0.0	0.0	(EX) SPACE	--		
14	--	1	0.0	0.0	0.0	(EX) SPACE	--		
15	--	1	0.0	0.0	0.0	(EX) SPACE	--		
16	--	1	0.0	0.0	0.0	(EX) SPACE	--		
TOTALS:						CONNECTED kVA PER PHASE	**346.3**	**344.2**	**346.0**
						CONNECTED AMPS PER PHASE	**1251**	**1243**	**1250**
						TOTAL CONNECTED kVA =	**1036.5**		
						AVERAGE CONNECTED AMPS PER PHASE =	**1247**		

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: - 100% CONNECTED LOAD PLUS 25%
RECEPTACLES: **2.0 kVA @ 100% = 2.0 kVA** - FIRST 10kVA @ 100%, REMAINDER @ 50%
KITCHEN EQUIPMENT: **18.7kVA@65%=12.2kVA** - 65% CONNECTED LOAD PER NEC
ELEVATORS: **115.3kVA@85%=98.0kVA** 85% CONNECTED LOAD PER NEC
ALL OTHER LOADS @ 100%: **900.4 kVA** - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER...

TOTAL DIVERSIFIED kVA = **1019.7**
AVERAGE AMPS PER PHASE = **1226**

NOTES:
1) USE EXISTING BREAKER TO FEED NEW CIRCUIT.

PANEL: "1LA2"(EXISTING)

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	MSWBL	SURFACE	MAIN ELEC. ROOM 1623	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR — AIC RATING: 22000

CKT NO	OCP AMP	OCP POLE	OCP BKR	LOAD (kVA) LTG	LOAD (kVA) PWR	LOAD (kVA) CO	DESCRIPTION	PHASE LOAD A	A	PHASE LOAD B	B	PHASE LOAD C	C	DESCRIPTION	LOAD (kVA) CO	LOAD (kVA) PWR	LOAD (kVA) LTG	OCP BKR	OCP POLE	OCP AMP	CKT NO
1	20	1		0.0	0.0	1.3	(EX) CO - PAUSE 1501	1.3	1.1					(EX) COFFEE - NOURISH. 1535	0.0	1.1	0.0		1	20	2
3	20	1		0.0	0.0	1.4	(EX) CO - HOLTER/EKG RM 1531			1.4	0.7			(EX) FRIDGE - NOURISH. 1535	0.0	0.7	0.0		1	20	4
5	20	1		0.0	0.0	1.4	(EX) CO - STAFF CORRIDOR 1507					1.4	1.7	(EX) MICROWAVE - NOURISH. 1535	0.0	1.7	0.0		1	20	6
7	20	1		0.0	0.0	1.4	(EX) CO - ECHO/EKG EXAM RM...	1.4	1.3					(EX) ICE MAKER - NOURISH. 1535	0.0	1.3	0.0		1	20	8
9	20	1		0.0	0.0	1.4	(EX) CO - ECHO/EKG EXAM RM...			1.4	1.4			(EX) CO - ECHO TECHROOM 1532	1.4	0.0	0.0		1	20	10
11	20	1		0.0	0.0	1.4	(EX) CO - ECHO/EKG EXAM RM...					1.4	1.4	(EX) CO - ECHO TECH ROOM 1532	1.4	0.0	0.0		1	20	12
13	20	1		0.0	0.0	1.4	(EX) CO - READING ROOM 1533	1.4	1.4					(EX) CO - ECHO 1532, READING 1533	1.4	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.7	(EX) CO - READING ROOM 1533			0.7	1.4			(EX) CO - SOILED 1524, CORR. 1615	1.4	0.0	0.0		1	20	16
17	20	1		0.0	0.0	1.4	(EX) CO - MGR OFFICE 1540					1.4	1.3	(EX) CO - TREAD/STRESS/ECHO 1538	1.3	0.0	0.0		1	20	18
19	20	1		0.0	0.0	1.3	(EX) CO - TEAM ROOM 1539	1.3	0.2					(EX) TREAD/STRESS/ECHO 1538	0.2	0.0	0.0		1	20	20
21	20	1		0.0	0.0	1.3	(EX) CO - STAFF CORRIDOR 1507			1.3	1.3			(EX) CO - TREAD/STRESS/ECHO 1537	1.3	0.0	0.0		1	20	22
23	20	1		0.0	1.4	0.0	(EX) STATIONSCARE TEAM AREA					1.4	0.2	(EX) TREAD/STRESS/ECHO 1537	0.2	0.0	0.0		1	20	24
25	20	3		0.0	4.9	0.0	(EX) STATIONS CARE TEAM AREA	1.6	1.3					(EX) CO - TREAD/STRESS/ECHO 1534	1.3	0.0	0.0		1	20	26
27	--	--		--	--	--	--			1.6	0.2			(EX) TREAD/STRESS/ECHO 1534	0.2	0.0	0.0		1	20	28
29	--	--		--	--	--	--					1.6	1.4	(EX) CO - NUCLEAR MED 1617	1.4	0.0	0.0		1	20	30
31	20	1		0.0	0.0	0.7	(EX) ROOM 1630 WIREWAY	0.7	1.3					(EX) CO - NUCLEAR MED CNTL 1619	1.3	0.0	0.0		1	20	32
33	20	1		0.0	0.0	0.7	(EX) ROOM 1630 WIREWAY			0.7	1.3			(EX) CO - STAFF CORRIDOR 1616	1.3	0.0	0.0		1	20	34
35	20	1		0.0	1.7	0.0	(EX) MICROWAVE - NOURISH....					1.7	1.5	(EX) COFFEE MAKER - NOURISH. 1611	0.0	1.5	0.0		1	20	36
37	20	1		0.0	0.0	1.4	(EX) CO - PRINTER ALCOVE 1509	1.4	1.4					(EX) CO - TEAM ROOM 1610	1.4	0.0	0.0		1	20	38
39	20	1		0.0	1.3	0.0	(EX) ICE MAKER - NOURISH. 1611			1.3	0.2			(EX) FRIDGE - NOURISH. 1611	0.0	0.2	0.0		1	20	40
41	20	1		0.0	1.2	0.0	(EX) MICROWAVE - HOT LAB 1614					1.2	1.4	(EX) CO - HOT LAB 1614	0.5	0.8	0.0		1	20	42
43	20	1		0.0	0.2	0.0	(EX) FRIDGE - HOT LAB 1614	0.2	0.7					(EX) CO - DRESSING 1602, 1603	0.7	0.0	0.0		1	20	44
45	20	1		0.0	0.3	1.3	(EX) CO - INJECTION ROOM 1606			1.6	1.6			(EX) CO - INJECTION ROOM 1608	1.3	0.3	0.0		1	20	46
47	15	1		0.0	0.5	0.0	(EX) P-8 EQUIP STORAGE 1418					0.5	0.7	(EX) DF STAFF CORRIDOR 1615	0.0	0.7	0.0		1	20	48
49	20	1		0.0	1.0	0.0	(EX) AIR DRYER - STOR. 1420	1.0	2.3					(EX) AIR DRYER - STOR. 1420	0.0	2.3	0.0		1	20	50
51	20	1		0.0	0.0	1.4	(EX) CO STAFF CORRIDOR 1615			1.4	1.4			(EX) CO - PFT 1421	1.4	0.0	0.0		1	20	52
53	20	1		0.0	0.3	1.1	(EX) CO - POC LAB 1419					1.4	0.2	(EX) FRIDGE - POC LAB 1419	0.0	0.2	0.0	GFCI	1	20	54
55	20	3		0.0	1.4	0.0	(EX) WORK STATIONS RECEPTION	0.5	0.2					(EX) CO EVS FLOOR CARE 1630	0.2	0.0	0.0		1	20	56
57	--	--		--	--	--	--			0.5	0.2			(EX) CO EVS FLOOR CARE 1630	0.2	0.0	0.0		1	20	58
59	--	--		--	--	--	--					0.5	0.9	(EX) CO	0.9	0.0	0.0		1	20	60
61	20	1		0.0	0.0	0.5	(EX) CO EVS FLOOR CARE 1630	0.5	1.1					(EX) CO - CONSULT ROOM 1408, 1409	1.1	0.0	0.0		1	20	62
63	20	1		0.0	0.0	1.3	(EX) CO CONSULT ROOM 1411			1.3	1.1			(EX) CO CONSULT ROOM 1408	1.1	0.0	0.0		1	20	64
65	20	1		0.0	0.0	0.5	(EX) CO STAIR #3					0.5	1.0	(EX) PRINTER COPY ROOM 1311	0.0	1.0	0.0		1	20	66
67	20	1		0.0	0.0	1.3	(EX) CO - TEAM ROOM 1410	1.3	1.1					(EX) CO - CLEAN SUPPLY 1413	1.1	0.0	0.0		1	20	68
69	20	1		0.0	0.0	1.4	(EX) CO - NUTRITION 1407			1.4	1.2			(EX) HOT LAB HOOD	0.0	1.2	0.0		1	20	70
71	20	1		0.0	0.0	1.4	(EX) CO - CLEAN SUPPLY 1413					1.4	0.7	(EX) WORK STATIONS RECEPTION	0.0	0.7	0.0		1	20	72
73	20	1		0.0	0.6	1.3	(EX) CO - TOILET 1414, EXAM 1415	1.9	0.8					(EX) TREDMILL POWER	0.0	1.6	0.0		2	15	74
75	20	1		0.0	0.0	0.9	(EX) CO READING ROOM 1533			0.9	0.8			--	--	--	--		--	--	76
77	20	1		0.0	0.0	0.9	CO ROOM 1618, 1619A (NOTE 1)					0.9	0.8	(EX) TREDMILL POWER	0.0	1.6	0.0		2	15	78
79	20	1		0.0	0.0	0.0	(EX) SPARE	0.0	0.8					--	--	--	--		--	--	80
81	20	1		0.0	0.0	0.0	(EX) SPARE			0.0	0.8			(EX) TREDMILL POWER	0.0	1.6	0.0		2	15	82
83	20	1		0.0	0.0	0.0	(EX) SPARE					0.0	0.8	--	--	--	--		--	--	84

TOTALS: CONNECTED kVA PER PHASE: A **29**, B **29**, C **29** — CONNECTED TOTAL kVA = **88**
CONNECTED AMPS PER PHASE: A **245**, B **242**, C **245** — AVERAGE CONNECTED AMPS PER PHASE = **244**

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: - 100% CONNECTED LOAD PLUS 25%
RECEPTACLES: **54.7 kVA @ 59% = 32.4 kVA** - FIRST 10kVA @ 100%, REMAINDER @ 50%
ALL OTHER LOADS @ 100% : **33.2 kVA** - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **66**
AVERAGE AMPS PER PHASE = **182**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCAKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI

NOTES:
1) USE EXISTING SPARE BREAKER IN PANEL TO SERVE NEW BRANCH CIRCUIT.

PANEL: "C1LA2"(EXISTING)

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	600 AMPERE MAIN CB	TAC2	SURFACE	MAIN ELEC. ROOM 1622	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR — AIC RATING: 10000

CKT NO	OCP AMP	OCP POLE	OCP BKR	LOAD (kVA) LTG	LOAD (kVA) PWR	LOAD (kVA) CO	DESCRIPTION	PHASE LOAD A	A	PHASE LOAD B	B	PHASE LOAD C	C	DESCRIPTION	LOAD (kVA) CO	LOAD (kVA) PWR	LOAD (kVA) LTG	OCP BKR	OCP POLE	OCP AMP	CKT NO
1	20	1		0.0	1.9	0.0	FUTURE NUCLEAR MED 1617	1.9	1.0					(EX) WRM CAB NUC MED 1619	0.0	1.0	0.0		1	20	2
3	20	1		0.0	1.9	0.0	FUTURE NUCLEAR MED 1618			1.9	0.6			(EX) MA PANELS CORRIDOR 1507	0.0	0.6	0.0		1	20	4
5	20	1		0.0	0.6	0.0	(EX) MA PANELS CORRIDOR 1507					0.6	1.0	(EX) P-TUBE - CLEAN SUPPLY 1522	0.0	1.0	0.0		1	20	6
7	20	1		0.0	0.0	0.2	(EX) FIX - PAT. TOILET, HOT 1536	0.2	0.4					(EX) MA PANELS NUC MED 1618	0.0	0.4	0.0		1	20	8
9	20	1		0.0	0.0	0.4	(EX) FIXTURES - TOILET 1612			0.4	0.4			(EX) FIXTURES - PATIENT TOILET...	0.4	0.0	0.0		1	20	10
11	20	1		0.0	0.0	0.9	(EX) CO - MAIN ELEC. ROOM 1622					0.9	1.0	(EX) WRM CAB NUC MED 1619	0.0	1.0	0.0		1	20	12
13	225	3		0.0	0.7	11.3	(EX) C1LA1	3.4	0.5					(EX) LIGHTING ROOM 1617, 1619	0.0	0.0	0.5		1	20	14
15	--	--		--	--	--	--			4.7	0.6			LIGHTING RM 1618, 1619A, (NOTE 1)	0.0	0.0	0.6		1	20	16
17	--	--		--	--	--	--					4.0	0.0	(EX) SPARE	0.0	0.0	0.0		1	20	18
19	20	1		0.0	0.0	0.5	CO PET/CT ROOM 1618 (NOTE 1)	0.5	0.0					(EX) SPARE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.7	CO PET/CT ROOM 1618 (NOTE 1)			0.7	0.0			(EX) SPARE	0.0	0.0	0.0		1	20	22
23	20	1		0.0	0.0	1.4	PET CT CONTROL 1619A (NOTE 1)					1.4	0.0	(EX) SPARE	0.0	0.0	0.0		1	20	24
25	20	1		0.0	0.0	1.1	PET CT CONTROL 1619A (NOTE 1)	1.1	0.0					(EX) SPARE	0.0	0.0	0.0		1	20	26
27	20	1		0.0	0.0	0.4	PET CT CONTROL 1619A (NOTE 1)			0.4	0.0			(EX) SPARE	0.0	0.0	0.0		1	20	28
29	20	1		0.0	0.0	0.0	(EX) SPARE					0.0	0.0	(EX) SPARE	0.0	0.0	0.0		1	20	30
31	20	1		0.0	0.0	0.0	(EX) SPARE	0.0	0.0					(EX) SPARE	0.0	0.0	0.0		1	20	32
33	20	1		0.0	0.0	0.0	(EX) SPARE			0.0	0.0			(EX) SPARE	0.0	0.0	0.0		1	20	34
35	20	1		0.0	0.0	0.0	(EX) SPARE					0.0	0.0	(EX) SPARE	0.0	0.0	0.0		1	20	36
37	20	1		0.0	0.0	0.0	(EX) SPARE	0.0	0.0					(EX) SPARE	0.0	0.0	0.0		1	20	38
39	20	1		0.0	0.0	0.0	(EX) SPARE			0.0	0.0			(EX) SPARE	0.0	0.0	0.0		1	20	40
41	20	1		0.0	0.0	0.0	(EX) SPARE					0.0	0.0	(EX) SPARE	0.0	0.0	0.0		1	20	42

TOTALS: CONNECTED kVA PER PHASE: A **9**, B **10**, C **9** — CONNECTED TOTAL kVA = **28**
CONNECTED AMPS PER PHASE: A **76**, B **80**, C **74** — AVERAGE CONNECTED AMPS PER PHASE = **77**

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: **1.2 kVA @ 125% = 1.4 kVA** - 100% CONNECTED LOAD PLUS 25%
RECEPTACLES: **17.3 kVA @ 79% = 13.6 kVA** - FIRST 10kVA @ 100%, REMAINDER @ 50%
ALL OTHER LOADS @ 100% : **9.1 kVA** - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **24**
AVERAGE AMPS PER PHASE = **67**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCAKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI

NOTES:
1) USE EXISTING SPARE BREAKER IN PANEL TO SERVE NEW BRANCH CIRCUIT.

BRANCH CIRCUIT CONDUCTOR AND CONDUIT SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	CONDUCTOR SIZE (PHASE, NEUTRAL AND GR)	CONDUIT SIZE
20A/120V	0' - 60'	#12 AWG	0.75" Ø
20A/120V	60' - 95'	#10 AWG	0.75" Ø
20A/120V	95' - 150'	#8 AWG	1" Ø
20A/120V	150' - 240'	#6 AWG	1.25" Ø
20A/277V	0' - 140'	#12 AWG	0.75" Ø
20A/277V	140' - 220'	#10 AWG	0.75" Ø
20A/277V	220' - 350'	#8 AWG	1" Ø
20A/277V	350' - 550'	#6 AWG	1.25" Ø

NOTES:

1. WIRE SIZING IS BASED ON COPPER CONDUCTORS SUPPLYING A 20A, 120V CIRCUIT AT THE INDICATED VOLTAGE, ASSUMED TO BE 80% LOADED (16A), WITH MAXIMUM VOLTAGE DROP OF 3% AT THE LOAD.
2. DOWN-SIZED WIRE AT DEVICE/LOAD AS REQUIRED AND TERMINATE CONDUCTORS IN A SAFE AND CODE COMPLIANT MANNER.
3. CONDUIT SIZE IS BASED ON A MAXIMUM OF 3 CIRCUITS PER CONDUIT, EACH WITH A SEPARATE NEUTRAL CONDUCTOR.

COPPER CONDUCTOR AND CONDUIT SCHEDULE

** — SCHEDULE NUMBER
* — SUBSCRIPT (NOTE 5)
(E.G. 5 IG)

SYM	AMP	HH AMPS	CONDUIT SIZE	CONDUCTOR (NOTE 1) QTY	SIZE	G	IG/HH	SE	NOTES
1	20	-	.75	2	12	12	12	8	2
2	20	-	.75	3	12	12	12	8	2,3
3	20	24	.75	4	12	12	12	8	2,3
4	30	-	.75	2	10	10	10	8	2
5	30	-	.75	3	10	10	10	8	2
6	30	32	.75	4	10	10	10	8	2
7	40	-	1	2	8	10	8	6	2
8	40	-	1	3	8	10	8	6	2
9	40	44	1	4	8	10	8	6	2
10	55	-	1	2	6	10	8	4	2
11	55	-	1	3	6	10	8	4	2
12	55	60	1.25	4	6	10	8	4	2
13	70	-	1	2	4	8	4	2	2
14	70	-	1.25	3	4	8	4	2	2
15	70	76	1.25	4	4	8	4	2	2
16	85	-	1.25	2	3	8	3	2	2
17	85	-	1.25	3	3	8	3	2	2
18	85	92	1.25	4	3	8	3	2	2
19	95	-	1.25	3	2	8	2	2	2
20	95	104	1.50	4	2	8	2	2	2
21	130	-	1.50	3	1	6	2	2	2
22	130	116	1.50	4	1	6	2	2	2
23	150	-	2	3	1/0	6	2	1/0	2
24	150	136	2	4	1/0	6	2	1/0	2
25	175	-	2	3	2/0	6	2	2/0	2
26	175	156	2	4	2/0	6	2	2/0	2
27	200	-	2	3	3/0	6	2	2/0	2
28	200	180	2.50	4	3/0	6	2	2/0	2
29	230	-	2.50	3	4/0	4	2	2/0	2
30	230	208	2.50	4	4/0	4	2	2/0	2
31	255	-	2.50	3	250	4	1	2/0	2
32	255	232	2.50	4	250	4	1	2/0	2
33	310	-	3	3	350	3	1/0	3/0	2
34	310	280	3	4	350	3	1/0	3/0	2
35	380	-	3.50	3	500	3	3/0	3/0	2
36	380	344	4	4	500	3	3/0	3/0	2
37	400	-	2 EA 2	3	3/0	3	3/0	3/0	2
38	400	360	2 EA 2.50	4	3/0	3	3/0	3/0	2
39	510	-	2 EA 2.50	3	250	1	4/0	3/0	2
40	510	464	2 EA 3	4	250	1	4/0	3/0	2
41	620	-	2 EA 3	3	350	1/0	4/0	3/0	2,4
42	620	560	2 EA 3	4	350	1/0	4/0	3/0	2,4
43	760	-	2 EA 3.50	3	500	1/0	4/0	3/0	2,4
44	760	688	2 EA 4	4	500	1/0	4/0	3/0	2,4
45	855	-	3 EA 3	3	300	2/0	4/0	3/0	2,4
46	855	768	3 EA 3	4	300	2/0	4/0	3/0	2,4
47	1000	-	3 EA 3.50	3	400	2/0	4/0	3/0	4
48	1000	912	3 EA 3.50	4	400	2/0	4/0	3/0	4
49	1140	-	3 EA 4	3	500	3/0	4/0	3/0	4
50	1140	1032	3 EA 4	4	500	3/0	4/0	3/0	4
51	1240	-	4 EA 3	3	350	3/0	4/0	3/0	4
52	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4
53	1675	1520	5 EA 4	4	400	4/0	4/0	4/0	4
54	2010	1824	6 EA 4	4	400	250	250	250	4
55	2660	2408	7 EA 4	4	500	350	350	350	4
56	3040	2752	8 EA 4	4	500	500	500	500	4
57	4180	3784	11 EA 4	4	500	500	500	500	4
58	-	-	5 EA 4	-	-	-	-	-	6
59	-	-	5	-	-	-	-	-	6
60	-	-	10 EA 4	-	-	-	-	-	6

CONDUIT AND CONDUCTOR SCHEDULE NOTES

1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
5. SYMBOL SUBSCRIPTS:
   - "2N": INCLUDE TWO NEUTRAL CONDUCTORS SIZED AS SCHEDULED FOR PHASE AND NEUTRAL CONDUCTORS WHERE THE CONDUCTOR IS #1/0 OR LARGER. INCLUDE A SINGLE 200% RATED CONDUCTOR THAT IS TWICE THE AMPACITY OF THE SCHEDULED PHASE AND NEUTRAL CONDUCTOR WHERE THE CONDCUTOR IS BELOW #1/0 IN SIZE.
   - "FG": FULL SIZE GROUND, SIZE EQUIPMENT GROUNDING CONDUCTOR TO BE SAME SIZE AS THE PHASE CONDUCTORS.
   - "HH": NEUTRAL CURRENTS EXIST DUE TO HIGH HARMONIC "NONLINEAR" LOADS. CURRENT CARRYING CONDUCTORS DERATED ACCORDINGLY. PROVIDE THE IG/HH SIZE FOR THE EQUIPMENT GROUNDING CONDUCTOR.
   - "IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
   - "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.

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PANEL SCHEDULES

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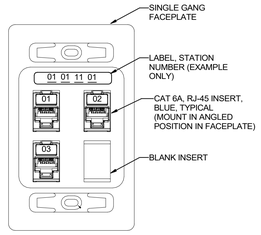
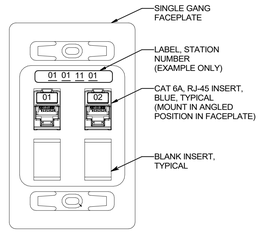
Project Status
100% CONSTRUCTION DOCUMENTS



D4 TYPICAL 3-PORT WALL DATA OUTLET

SCALE: NTS



D3 TYPICAL 2-PORT WALL DATA OUTLET

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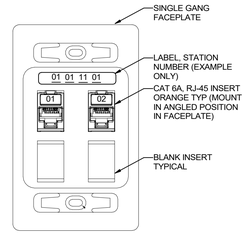
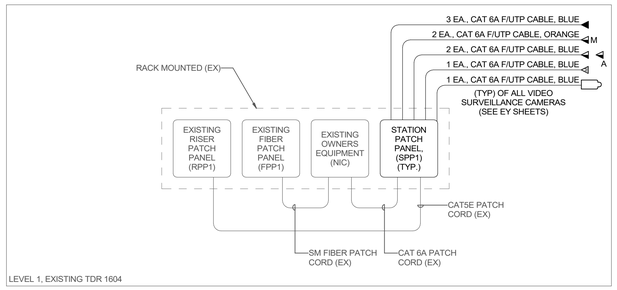


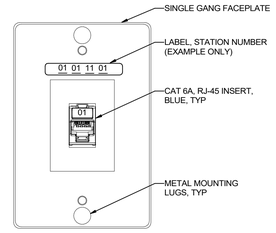
D2 TYPICAL 2-PORT PHYS MON WALL DATA OUTLET

SCALE: NTS



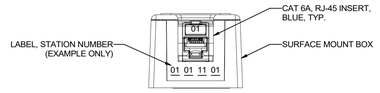
C4 TELECOM CABLE RISER DIAGRAM

SCALE: NTS



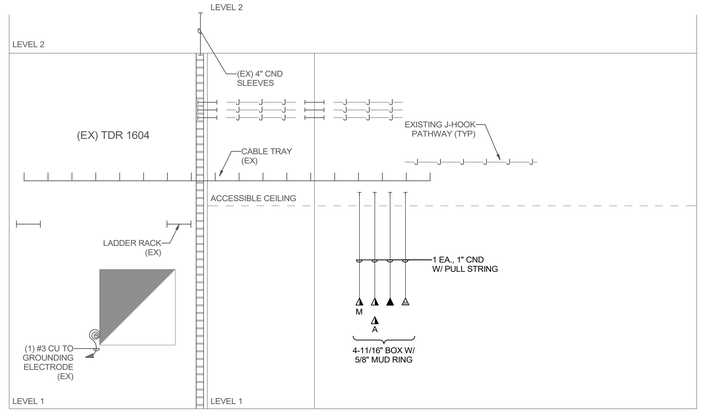
C3 TYPICAL 1-PORT WALL PHONE OUTLET

SCALE: NTS



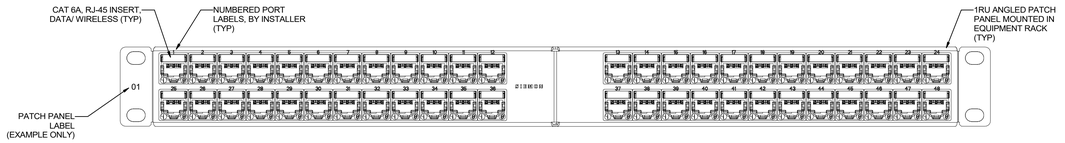
C2 TYPICAL 1-PORT POE & CAMERA DATA OUTLET

SCALE: NTS



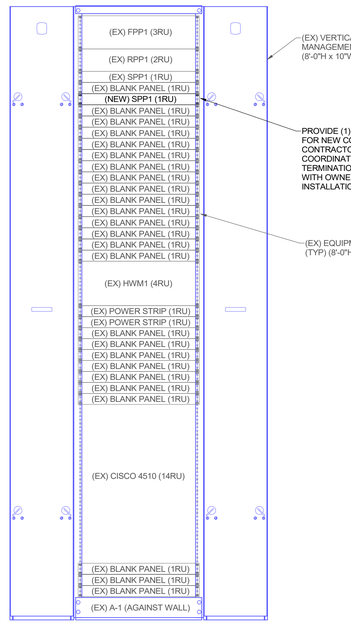
B4 TELECOM CONDUIT RISER DIAGRAM

SCALE: NTS



A4 STATION PATCH PANEL, SPP1, SIEMON, ANGLED

SCALE: NTS



A2 EXISTING TELECOM RACK ELEVATION DETAIL, LEVEL 1, TDR 1604

SCALE: NTS

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Wayfinding	N/A
Sheet Reviewer	JAD

MARK	DATE	DESCRIPTION

Project Number	10394230
Original Issue	06/28/2024

LICENSED PROFESSIONAL ENGINEER No. 7057918 CARLTON A. GETZ 06/28/2024 STATE OF UTAH

Sheet Name

TELECOM CONDUIT RISERE, DIAGRAMS, AND DETAILS

Sheet Number

EP650

Project Status

100% CONSTRUCTION DOCUMENTS

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JOB 240090

CONNECTIVITY REQUIREMENTS

Your new GE Healthcare imaging modality will require local and remote connectivity to enable our full range of digital support:

- Local connectivity - This allows your system to connect to local devices such as PACS and modality worklist. We will require network information to configure the system(s), and a live ethernet port(s) prior to the delivery of the system(s).
- Remote connectivity - Your GE Healthcare service warranty includes InSite™ (applicable to InSite capable products), a powerful broadband-based service which enables digital tools that can help guard your hospital against equipment downtime and revenue loss by quickly connecting you to a GE Healthcare expert.

Depending on product family and software version, imaging systems can be connected in one of the following methods:

1. TLS over TCP Port 443 (Preferred method for new products) via:
    a. DNS resolution
    b. Customer-provided Proxy or
    c. GE Proxy (Available in some regions)
2. Site-to-Site IPsec VPN tunnel

Please provide the GE project manager with the contact information for the resource that can provide information required to set up these connections. GEHC will send out communication to these contacts, which will include the project's Connectivity requirements, and a Connectivity form. This form will need to be completed and returned to GEHC prior to delivery of the system to ensure the system is tested and connectivity is enabled prior to the completion of the installation.

ELECTRICAL NOTES

1. All wires specified shall be copper stranded, flexible, thermo-plastic, color coded, cut 10 foot long at outlet boxes, duct termination points or stubbed conduit ends. All conductors, power, signal and ground, must be run in a conduit or duct system. Electrical contractor shall ring out and tag all wires at both ends. Wire runs must be continuous copper stranded and free from splices.

1.1. Aluminum or solid wires are not allowed.

2. Wire sizes given are for use of equipment. Larger sizes may be required by local codes.
3. It is recommended that all wires be color coded, as required in accordance with national and local electrical codes.
4. Conduit sizes shall be verified by the architect, electrical engineer or contractor, in accordance with local or national codes.
5. Convenience outlets are not illustrated. Their number and location are to be specified by others. Locate at least one convenience outlet close to the system control, the power distritbution unit and one on each wall of the procedure room. Use hospital approved outlet or equivalent.
6. General room illumination is not illustrated. Caution should be taken to avoid excessive heat from overhead spotlights. Damage can occur to ceiling mounting components and wiring if high wattage bulbs are used. Recommend low wattage bulbs no higher than 75 watts and use dimmer controls (except MR). Do not mount lights directly above areas where ceiling mounted accessories will be parked.
7. Routing of cable ductwork, conduits, etc., must run direct as possible otherwise may result in the need for greater than standard cable lengths (refer to the interconnection diagram for maximum usable lengths point to point).
8. Conduit turns to have large, sweeping bends with minimum radius in accordance with national and local electrical codes.
9. A special grounding system is required in all procedure rooms by some national and local codes. It is recommended in areas where patients might be examined or treated under present, future, or emergency conditions. Consult the governing electrical code and confer with appropriate customer administrative personnel to determine the areas requiring this type of grounding system.
10. The maximum point to point distances illustrated on this drawing must not be exceeded.
11. Physical connection of primary power to GE equipment is to be made by customers electrical contractor with the supervision of a GE representative. The GE representative would be required to identify the physical connection location, and insure proper handling of GE equipment.
12. GEHC conducts power audits to verify quality of power being delivered to the system. The customer's electrical contractor is required to be available to support this activity.

- All junction boxes, conduit, duct, duct dividers, switches, circuit breakers, cable tray, etc., are to be supplied and installed by customers electrical contractor.
- Conduit and duct runs shall have sweep radius bends
- Conduits and duct above ceiling or below finished floor must be installed as near to ceiling or floor as possible to reduce run length.
- Ceiling mounted junction boxes illustrated on this plan must be installed flush with finished ceiling.
- All ductwork must meet the following requirements:

  1.Ductwork shall be metal with dividers and have removable, accessible covers.
  2.Ductwork shall be certified/rated for electrical power purposes.
  3.Ductwork shall be electrically and mechanically bonded together in an approved manner.
  4.PVC as a substitute must be used in accordance with all local and national codes.
- All openings in raceway and access flooring are to be cut out and finished off with grommet material by the customers contractor.
- General contractor to insert pull cords for all cable run conduits between the equipment room and the operators control room.
- 10 foot pigtails at all junction points.
- Grounding is critical to equipment function and patient safety. Site must conform to wiring specifications shown on this plan.

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Interior Designer	RUBY THORP
Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	JAD

MARK	DATE	DESCRIPTION

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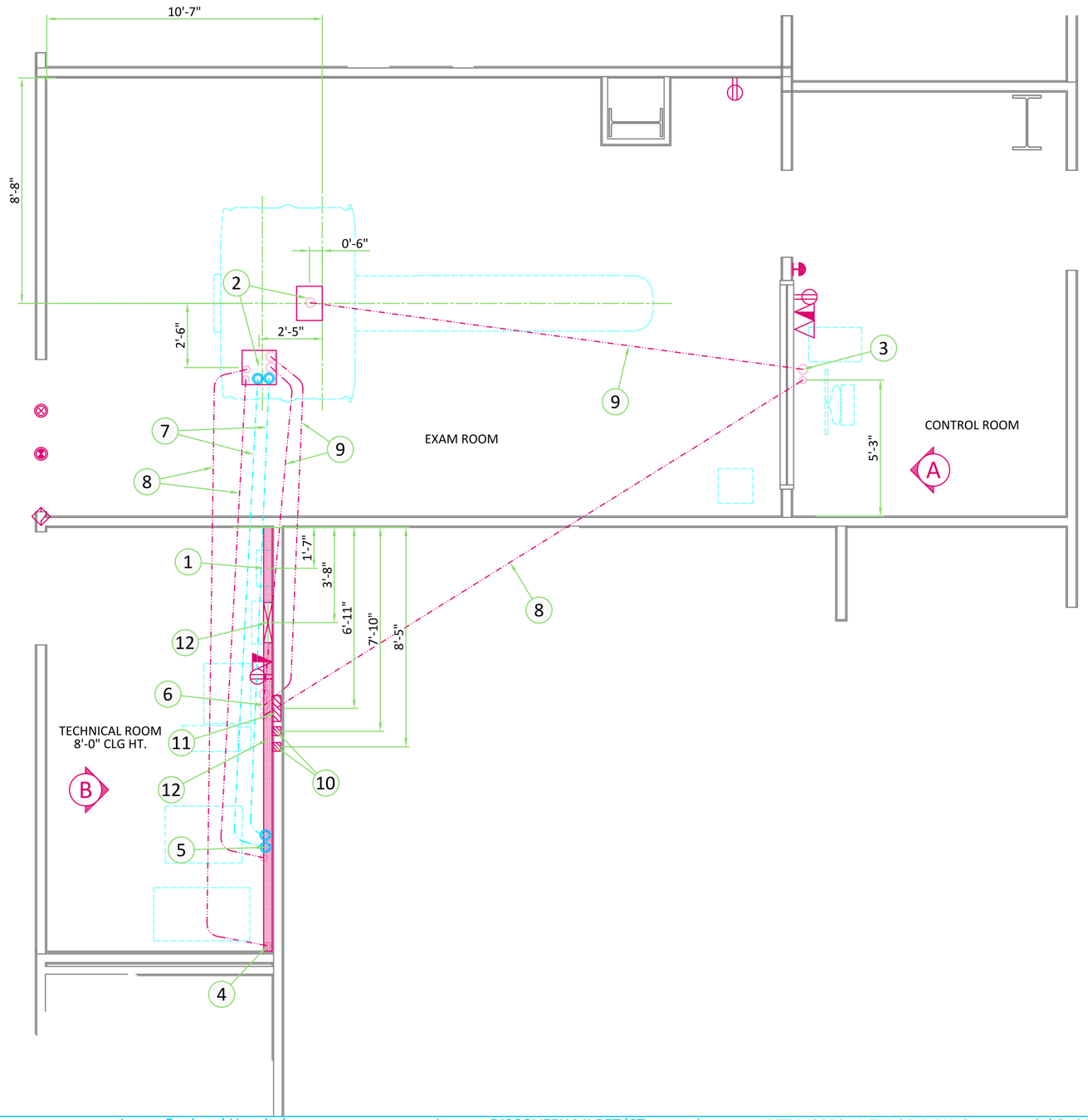
LICENSED PROFESSIONAL ENGINEER
No. 7705718
CARLTON A. GETZ
06/28/2024
STATE OF UTAH

Sheet Name
GE HEALTHCARE
EQUIPMENT DOCUMENTS

Sheet Number
EP801

Project Status
100% CONSTRUCTION DOCUMENTS



Item	Electrical Layout Item List
1	Main disconnect panel (MDP)
2	Suitable bushings & lock nuts, refer to Anchoring/Loading Distribution to the Floor detail on sheet S3 (Gantry)
3	Suitable bushings & lock nuts (Operator's Console)
4	Suitable bushings & lock nuts (PARC)
5	Suitable bushings & lock nuts (Chiller)
6	Suitable bushings & lock nuts (PDU)
7	3" [75] conduit below floor for water lines
8	2 1/2" [64] conduit below floor
9	3 1/2" [89] conduit below floor
10	4" x 4" x 4" [100 x 100 x 100] box (Partial UPS)
11	12" x 16" x 4" [300 x 400 x 100] box (Power Distribution Unit)
12	18" x 3 1/2" [450 x 100] surface wall duct with minimum 2 dividers

ITEM	QTY	Electrical Outlet Legend Contractor supplied and installed items unless otherwise specified. Height above floor determined by local codes unless otherwise specified.
△		Dedicated telephone line(s)
◭		Network outlet
⊕		Duplex hospital grade, dedicated wall outlet 120-v, single phase power
⊥		System emergency off (SEO), (recommended height 1.2m [48"] above floor)
⊗		X-Ray room warning light control panel
⊗		X-Ray ON lamp (L1) - 24V - (Signal-tech SBLF811W-270R/12-24VDC or equivalent)
◇		Door interlock switch

Note: Sizes noted are minimum conduit sizes. Utilize existing conduits provided under base building design where available.

Additional Conduit Runs
(Contractor Supplied and Installed)

From (Bubble # / Item)	To (Bubble # / Item)	Qty	Size In.	Size mm
3 Phase Power	1 Main Disconnect Panel	1	2-1/2"	60
1 Main Disconnect Panel	Emergency Off	1	1/2	13
	11 Power Distribution Unit	1	2-1/2"	60
11 Power Distribution Unit	Door Switch	1	1/2	13
	Warning Light Control	1	1/2	13
Warning Light		1	1/2	13
1 Phase Power		1	1/2	13
1 Main Disconnect Panel	10 Partial UPS	1	1 1/4	30

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Equipment Planner	STEVE HOOPER
Wayfinding	N/A
Sheet Reviewer	NOR

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06/28/2024
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Sheet Name
GE HEALTHCARE EQUIPMENT DOCUMENTS

Sheet Number
EP802

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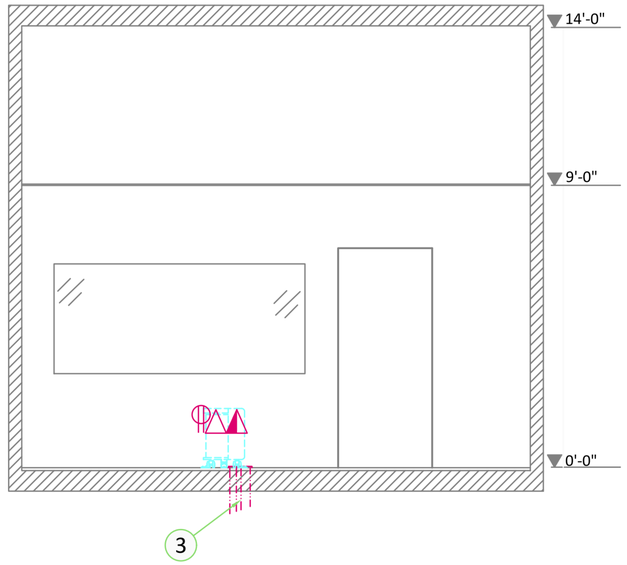

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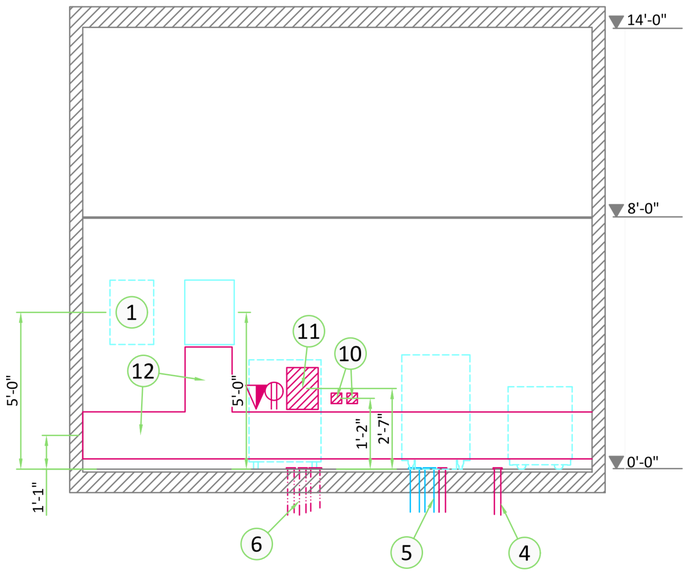

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Sheet Reviewer	NOR

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No. 7057918
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06/28/2024
STATE OF UTAH

Sheet Name
GE HEALTHCARE EQUIPMENT DOCUMENTS

Sheet Number
EP803

Project Status
100% CONSTRUCTION DOCUMENTS