Intermountain Health

Layton Hospital Mammography

201 W Layton Pkwy
Layton, UT 84041

Construction Documents

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DESIGN TEAM

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Layton Hospital Mammography
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NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Cover Sheet

G001

INTERIM LIFE SAFETY MEASURES

IMPLEMENTATION OF INTERIM LIFE SAFETY MEASURES (ILSM) IS REQUIRED IN OR ADJACENT TO ALL CONSTRUCTION AREAS AND THROUGHOUT BUILDINGS WITH EXISTING LSC DEFICIENCIES. ILSM APPLY TO ALL PERSONNEL, INCLUDING CONSTRUCTION WORKERS, MUST BE IMPLEMENTED UPON PROJECT DEVELOPMENT, AND CONTINUOUSLY ENFORCED THROUGH PROJECT COMPLETION. ILSM ARE INTENDED TO PROVIDE A LEVEL OF LIFE SAFETY COMPARABLE TO THAT DESCRIBED IN CHAPTERS 1 THROUGH 7, 31 AND THE APPLICABLE OCCUPANCY CHAPTERS OF THE LSC. EACH ILSM ACTION MUST BE DOCUMENTED THROUGH WRITTEN POLICIES AND PROCEDURES. EXCEPT AS STATED BELOW, FREQUENCIES FOR INSPECTION, TESTING, TRAINING, AND ILSM CONSIST OF THE FOLLOWING ACTIONS:

1 ENSURING EXITS PROVIDE FREE AND UNOBSTRUCTED EGRESS. PERSONNEL SHALL RECEIVE TRAINING IF ALTERNATIVE EXITS MUST BE DESIGNATED. BUILDINGS OR AREAS UNDER CONSTRUCTION MUST MAINTAIN ESCAPE FACILITIES FOR CONSTRUCTION WORKERS AT ALL TIMES. MEANS OF EGRESS IN CONSTRUCTION AREAS MUST BE INSPECTED DAILY.

2 ENSURING FREE AND UNOBSTRUCTED ACCESS TO EMERGENCY DEPARTMENTS/ SERVICES AND FOR EMERGENCY FORCES.

3 ENSURE FIRE ALARM, DETECTION, AND SUPPRESSION SYSTEMS ARE NOT IMPAIRED. A TEMPORARY, BUT EQUIVALENT, SYSTEM SHALL BE PROVIDED WHEN ANY FIRE SYSTEM IS IMPAIRED. TEMPORARY SYSTEMS MUST BE INSPECTED AND TESTED MONTHLY.

4 ENSURING TEMPORARY CONSTRUCTION PARTITIONS ARE SMOKE TIGHT AND BUILT OF NONCOM OR LIMITED COMBUSTIBLE MATERIALS THAT WILL NOT CONTRIBUTE TO THE DEVELOPMENT OR SPREAD OF FIRE.

5 PROVIDING ADDITIONAL FIRE-FIGHTING EQUIPMENT AND USE TRAINING OF PERSONNEL.

6 PROHIBITING SMOKING IN ACCORDANCE WITH MA.1.3.15 AND IN OR ADJACENT TO ALL CONSTRUCTION AREAS.

7 DEVELOPING AND ENFORCING STORAGE, HOUSEKEEPING, AND DEBRIS REMOVAL PRACTICES THAT REDUCE THE FLAMMABLE AND COMBUSTIBLE FIRE LOAD OF THE BUILDING TO THE LOWEST LEVEL NECESSARY FOR DAILY OPERATIONS.

8 CONDUCTING A MINIMUM OF TWO FIRE DRILLS PER SHIFT PER QUARTER.

9 INCREASING HAZARD SURVEILLANCE OF BUILDINGS, GROUNDS, AND EQUIPMENT WITH SPECIAL ATTENTION TO EXCAVATIONS, CONSTRUCTION AREAS CONSTRUCTION STORAGE, AND FIELD OFFICES.

10 TRAINING PERSONNEL WHEN STRUCTURAL OR COMPARTMENT FEATURES OF FIRE SAFETY ARE COMPROMISED.

11 CONDUCTING ORGANIZATION WIDE SAFETY EDUCATION PROGRAMS TO ENSURE AWARENESS OF ANY LSC DEFICIENCIES, CONSTRUCTION HAZARDS, AND THESE ILSM.

INFECTION CONTROL RISK ASSESSMENT

CONSTRUCTION ACTIVITY TYPE
Type D:
Major demolition or construction that creates major disruption, i.e. noise, dust, vibration, odor, or mechanical systems
includes, but not limited to:
- heavy demolition or removal of a complete cabling system
- new construction or buildout of shelled space

INFECTION CONTROL RISK GROUP
Highest:

CONSTRUCTION CLASS
Construction Activity Type:

IC Risk Group	Type A	Type B	Type C	Type D
Lowest	Class I	Class II	Class II	Class III
Medium	Class I	Class II	Class III	Class IV
High	Class I	Class II	Class IV	Class IV
Highest	Class II	Class IV	Class IV	Class IV

INFECTION CONTROL PROTOCOLS
During Construction (Class IV):
- Perform work using methods to minimize raising dust or tracking dust into other areas.
- Immediately replace ceiling tile upon completion of inspection.
- Use active dust control measures.
- Use water mist to control dust while cutting.
- Seal doors, ducts, vents and HVAC units.
- Place dust control mats at entries to work area; keep them clean and effective.
- Remove debris only in tightly covered containers.
- Construct barriers to prevent dust and other contaminant migration prior to beginning work.
- Maintain negative air pressure in work space using HEPA filtration units.
- Seal all pipes, conduits and penetrations.
- Construct and use anteroom for all entry to work area; HEPA vacuum all personnel, or have them change clothing before they leave the work area.
- All personnel wear shoe covers while in the work area and remove then before entering the hospital.

Upon Completion (Class IV):
- Clean work area.
- Wipe all horizontal surfaces with disinfectant.
- Remove final debris only in tightly covered containers.
- Vacuum using HEPA filtered vacuum; mop with disinfectant as appropriate.
- Remove all seals from doors, ducts, vents and HVAC units.
- Remove construction barriers in a manner that minimizes the spread of dust and debris.

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE FOLLOWING SCOPE OF WORK:

A. SCOPE OF PROJECT INCLUDES REMODEL OF CONFERENCE ROOMS, EDUCATION OFFICE AND SHARED OFFICE TO CREATE A SUITE FOR MAMMOGRAPHY AND ASSOCIATED SPACES AS OUTLINED IN THE CONSTRUCTION DOCUMENTS.

B. AREA: 1,234 SF

VICINITY MAP



ABBREVIATIONS

&	AND
@	AT
Ø	DIAMETER
(E), EXIST.	EXISTING
(N)	NEW
d	PENNY
#	POUND OR NUMBER
A	
AC	ACOUSTIC
ADD	ADDENDUM
A/C	AIR CONDITIONING
ALT.	ALTERNATE
AL.	ALUMINUM
A.B.	ANCHOR BOLT
ARCH	ARCHITECT(URAL)
ASP.	ASPHALT
B	
BSMT.	BASEMENT
B.M.	BENCHMARK
BLKG.	BLOCKING
BD.	BOARD
B.O.	BOTTOM OF
BLDG.	BUILDING
C	
CABT	CABINET
C.I.P.	CAST IN PLACE
C.B.	CATCH BASIN
CLG.	CEILING
CL	CENTER LINE
C.T.	CERAMIC TILE
CH	CHANNEL
C.O.	CLEAN OUT
CLR.	CLEAR
CL.	CLOSET
COL.	COLUMN
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
COND.	CONDITION
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT	CONTINUOUS
C.J	CONTROL JOINT
D	
D.P.	DAMP PROOFING
D.B.	DECK BEARING
DIAG.	DIAGONAL
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DWL.	DOWEL
DN.	DOWN
D.S.	DOWN SPOUT
D.W.V.	DRAINAGE WASTE VENT
DWG.	DRAWING
E	
EA.	EACH
E.W.C.	ELEC. WATER COOLER
EL./ELEC.	ELECTRIC
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXH.	EXHAUST
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXT.	EXTERIOR
F	
FT.	FEET
FV/F.V.	FIELD VERIFY
FIN.	FINISH(ED)
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FIXT.	FIXTURE
FL.	FLASHING
G	
GALV.	GALVANIZED
GA.	GAUGE
G.C.	GENERAL CONTRACTOR
G.S.N.	GENERAL STRUCTURAL NOTES
GL.	GLASS
GD.	GRADE
GRL.	GRILLE
GRD.	GROUND
GYP.	GYPSUM
H	
HDW.	HARDWARE
HDWD.	HARDWOOD
HTR.	HEATER
HT.	HEIGHT
H.P.	HIGH POINT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.B.	HOSE BIB
H.W.	HOT WATER
HR.	HOUR
I	
IN.	INCH
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
J	
JAN.	JANITOR
JT.	JOINT
JST.	JOIST
L	
LAM.	LAMINATED
LDG.	LANDING
LAV.	LAVATORY
LT.	LIGHT
L.W.C.	LIGHT WEIGHT CONCRETE
LVR.	LOUVER
M	
M.B.	MACHINE BOLT
MFR.	MANUFACTURER
M.O.	MASONRY OPENING
MAT'L	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MLDG.	MOLDING
MULL.	MULLION
N	
N.G.	NATURAL GRADE
NOM.	NOMINAL
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O	
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.R.D.	OVERFLOW ROOF DRAIN
O.F.S.	OVERFLOW SCUPPER
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED
P	
PT.	PAINT
PTD.	PAINTED
PR.	PAIR
PNL.	PANEL
d	PENNY
P.L.	PLASTIC LAMINATE
PL.	PLATE
PLBG.	PLUMBING
P.S.I.	POUND PER SQUARE INCH
P.S.F.	POUNDS PER SQUARE FOOT
R	
RAD.	RADIUS
REC.	RECOMMENDATION
REG.	REGISTER
REQ'D	REQUIRED
R.A.	RETURN AIR
REV.	REVISION
R.D.	ROOF DRAIN
RFG.	ROOFING
RM.	ROOM
RGH.	ROUGH
RND.	ROUND
S	
SCR.	SCREW
SECT.	SECTION
SEL.	SELECT
SHT.	SHEET
SIM.	SIMILAR
SLDG.	SLIDING
SM.	SMOOTH
SPEC.	SPECIFICATION
SPL.	SPLASH
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STRUC.	STRUCTURE
S.A.	SUPPLY AIR
SUSP.	SUSPENDED
SW.BD.	SWITCHBOARD
T	
TELCO	TELEPHONE COMPANY
T.G.	TEMPERED GLASS
T&G	TONGUE & GROOVE
T&B	TOP & BOTTOM
T.O.	TOP OF
T.O.C.	TOP OF CURB
T.O.D.	TOP OF DECK
T.O.P.	TOP OF PARAPET
TYP.	TYPICAL
U	
U.N.O.	UNLESS NOTED OTHERWISE
V	
V.	VENT
V.T.R.	VENT THROUGH ROOF
VERT.	VERTICAL
V.G.	VERTICAL GRAIN
VEST.	VESTIBULE
V.C.T.	VINYL COMPOSITION TILE
V.C.P.	VITREOUS CLAY PIPE
W	
W.C.	WATER CLOSET
W.H.	WATER HEATER
W.R.	WATER RESISTANT
W.P.	WATERPROOF
W.W.F.	WELDED WIRE FABRIC
W.F.	WIDE FLANGE
WDW.	WINDOW
W/	WITH
W/O	WITHOUT
WD.	WOOD

DEFERRED SUBMITTALS

THE CONTRACTOR SHALL SUBMIT THE FOLLOWING TO THE BUILDING OFFICIAL FOR REVIEW WITH AN ACCOMPANYING LETTER FROM THE ARCHITECT STATING THAT THE CONTENTS OF THE SUBMITTAL ARE IN CONFORMANCE WITH THE DESIGN. WORK RELATED TO THE DEFERRED SUBMITTAL IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL.

1. DETAILS AND ENGINEERING CALCULATIONS FOR ALL NONSTRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS. THESE SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7-05. REFERENCE IBC SECTION 1613.1. THIS INCLUDES:
   - ELECTRICAL SYSTEMS
   - MECHANICAL SYSTEMS
   - PLUMBING SYSTEMS
   - DECORATIVE ARCHITECTURAL COMPONENTS.

2. DETAILS AND ENGINEERING CALCULATIONS FOR THE FIRE SPRINKLER AND FIRE DETECTION SYSTEMS, WHICH ARE TO BE DESIGN-BUILD BY THE CONTRACTOR TO COMPLY WITH NFPA 13 AND SHALL INCLUDE:
   - FIRE ALARM PLANS (INCLUDING CO DETECTOR LOCATIONS)
   - AUTOMATIC FIRE SPRINKLER PLANS
   - HOOD FIRE SUPPRESSION
   - CLASS 'K' FIRE EXTINGUISHER LOCATION(S)

3. STRUCTURAL TRUSS AND JOIST DESIGNS (AS LISTED IN THE STRUCTURAL DRAWINGS).

SPECIAL INSPECTIONS

SEE STRUCTURAL DRAWINGS FOR SPECIAL INSPECTIONS REQUIRED.

DEFINITIONS

1. GENERAL: BASIC CONTRACT DEFINITIONS ARE INCLUDED IN THE CONDITIONS OF THE CONTRACT.
2. "APPROVED": WHEN USED TO CONVEY ARCHITECTS ACTION ON CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, "APPROVED" IS LIMITED TO ARCHITECT'S DUTIES AND RESPONSIBILITIES AS STATED IN THE CONDITIONS OF THE CONTRACT.
3. "DIRECTED": A COMMAND OR INSTRUCTION BY ARCHITECT. OTHER TERMS INCLUDING "REQUESTED," "AUTHORIZED," "SELECTED," "REQUIRED," AND "PERMITTED" HAVE THE SAME MEANING AS "DIRECTED."
4. "INDICATED": REQUIREMENTS EXPRESSED BY GRAPHIC REPRESENTATIONS OR IN WRITTEN FORM ON DRAWINGS, IN SPECIFICATIONS, AND IN OTHER CONTRACT DOCUMENTS. OTHER TERMS INCLUDING "SHOWN," "NOTED," "SCHEDULED," AND "SPECIFIED" HAVE THE SAME MEANING AS "INDICATED."
5. "REGULATIONS": LAWS, ORDINANCES, STATUTES, AND LAWFUL ORDERS ISSUED BY AUTHORITIES HAVING JURISDICTION, AND RULES, CONVENTIONS, AND AGREEMENTS WITHIN THE CONSTRUCTION INDUSTRY THAT CONTROL PERFORMANCE OF THE WORK.
6. "FURNISH": SUPPLY AND DELIVER TO PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.
7. "INSTALL": UNLOAD, TEMPORARILY STORE, UNPACK, ASSEMBLE, ERECT, PLACE, ANCHOR, APPLY, WORK TO DIMENSION, FINISH, CURE, PROTECT, CLEAN, AND SIMILAR OPERATIONS AT PROJECT SITE.
8. "PROVIDE": FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
9. "PROJECT SITE": SPACE AVAILABLE FOR PERFORMING CONSTRUCTION ACTIVITIES. THE EXTENT OF PROJECT SITE IS SHOWN ON DRAWINGS AND MAY OR MAY NOT BE IDENTICAL WITH THE DESCRIPTION OF THE LAND ON WHICH PROJECT IS TO BE BUILT.

COORDINATION NOTE FOR HOLOGIC EQUIPMENT DRAWINGS

CONTRACTOR SHOULD THOROUGHLY REVIEW AND COORDINATE THE ATTACHED EQUIPMENT DRAWINGS LISTED ABOVE FROM HOLOGIC. THESE DRAWINGS ARE PART OF THE CONSTRUCTION DOCUMENTS. ITEMS IN HOLOGIC DRAWINGS MENTIONED AS "CUSTOMER/ CONTRACTOR" PROVIDED SHALL BE PROVIDED SOLELY BY "CONTRACTOR". VERIFY WITH ARCHITECT FOR ALL CLARIFICATIONS PRIOR TO SUBMITTING BIDS. OWNER SHALL NOT PAY FOR CONTRACTOR'S FAILURE TO REVIEW THESE DRAWINGS.

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G003 General Information
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G005 General Legend & Notes

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A112 Demolition & Reflected Ceiling Plan Level 1
A117 Finish Plan & Finish Schedule Level 1

A251 Interior Elevations

A501A Wall Types
A502A Wall Details
A502B Wall Details
A503A Ceiling Details
A504A Door & Window Details
A505A Cabinet Legend & Details
A505B Cabinet Details
A505C Cabinet Details
A506A Details

A601A Door Schedule

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M001 HVAC Title Sheet
M2101 Level 1 HVAC Zone Plan

M101 Level 1 HVAC Demo and New Plans
MP101 Level 1 Mechanical Piping Demo and New Plans

M500 Mechanical Details
M600 Mechanical Schedules

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P101 Level 1 Plumbing Demo and New Plans

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P600 Plumbing Schedules

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EE001 Electrical Cover Sheet
EE002 Symbols Legend
EE003 Telecom Schedules and Notes
EE004 Auxiliary Schedules and Notes
EE501 Electrical Details
EE701 Typical Mounting Details

ED101 Level 1 Electrical Demolition Plan
EP100 Overall Power Plan
EP101 Level 1 Power Plan
EP601 One-Line Diagram
EP650 Telecom Conduit Riser Diagram
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EL101 Level 1 Lighting Plan
EL601 Interior Lighting Fixture Schedule
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EY650 Access Crontrol Riser Diagram

EQUIPMENT
EQ101 Hologic Equipment Drawings
EQ102 Hologic Equipment Drawings
EQ103 Hologic Equipment Drawings
EQ104 Hologic Equipment Drawings
EQ105 Hologic Equipment Drawings
EQ106 Hologic Equipment Drawings
EQ107 Hologic Equipment Drawings
EQ108 Hologic Equipment Drawings

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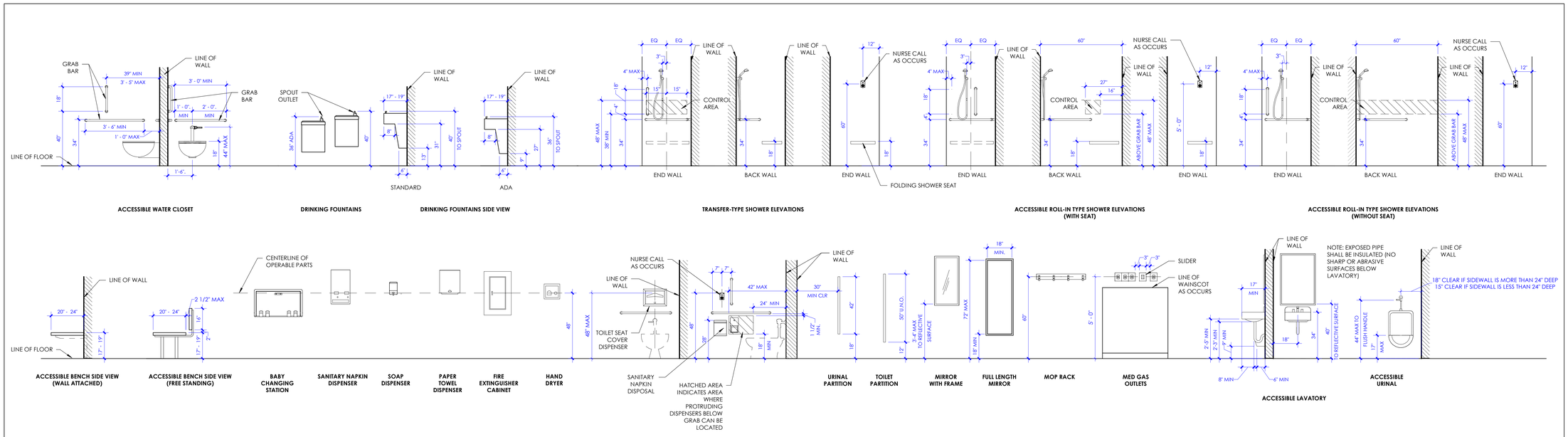
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General Information

G002

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ACCESSIBLE WATER CLOSET | DRINKING FOUNTAINS | DRINKING FOUNTAINS SIDE VIEW | TRANSFER-TYPE SHOWER ELEVATIONS | ACCESSIBLE ROLL-IN TYPE SHOWER ELEVATIONS (WITH SEAT) | ACCESSIBLE ROLL-IN TYPE SHOWER ELEVATIONS (WITHOUT SEAT)

ACCESSIBLE BENCH SIDE VIEW (WALL ATTACHED) | ACCESSIBLE BENCH SIDE VIEW (FREE STANDING) | BABY CHANGING STATION | SANITARY NAPKIN DISPENSER | SOAP DISPENSER | PAPER TOWEL DISPENSER | FIRE EXTINGUISHER CABINET | HAND DRYER | URINAL PARTITION | TOILET PARTITION | MIRROR WITH FRAME | FULL LENGTH MIRROR | MOP RACK | MED GAS OUTLETS | ACCESSIBLE URINAL

ACCESSIBLE LAVATORY

1 Typical Mounting Heights

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

LEGEND - MATERIALS

HATCH PATTERN BELOW INDICATES REPRESENTATION OF BUILDING MATERIALS IN BUILDING SECTIONS, WALL SECTIONS AND DETAILS.

- Concrete
- Finish Wood
- Gypsum Board
- Blocking
- Steel
- Stone
- Earth
- Gravel
- Masonry Concrete Block
- Batt Insulation
- Masonry Brick
- Insulation Rigid

GENERAL INFORMATION SYMBOLS & TAGS

SHEET NUMBERING SYSTEM

A100A
- PROJECT AREA
- SHEET NUMBER SEQUENCE
- SHEET TYPE
- DISCIPLINE

GRID TAG

GRID REFERENCE NUMBER - 1,2,3, ETC. (USED FOR VERTICAL GRID SEQUENCE, TYPICALLY FROM TOP TO BOTTOM)

GRID REFERENCE LETTER - A,B,C, ETC. (USED FOR HORIZONTAL GRID SEQUENCE, TYPICALLY FROM LEFT TO RIGHT)

GRID LINE

NORTH ARROW

NORTH

BUILDING SECTIONS

SECTION TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS

BUILDING SECTION | SHEET WHERE DRAWN

WALL SECTIONS

SECTION TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

WALL SECTION | SHEET WHERE DRAWN

DETAIL TAGS

DETAIL NUMBER | SHEET WHERE DRAWN

DETAIL TAGS

DETAIL NUMBER | SHEET WHERE DRAWN

EXTERIOR ELEVATION TAGS

TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS AND KEY PLAN

EXTERIOR ELEVATION NUMBER | SHEET WHERE DRAWN

INTERIOR ELEVATION TAGS

TAGS ARE INDICATED ON FINISH FLOOR PLANS

INTERIOR ELEVATION NUMBER | SHEET WHERE DRAWN

ROOM TAG

ROOM NAME | DENOTES OCCUPANT LOAD IN CODE COMPLIANCE PLANS. | ROOM COUNT DESIGNATION | DENOTES ROOM AREA OF 155 SQUARE FEET | ROOM NUMBER: LETTER "A" IN THE ROOM NUMBER DENOTES "AREA A" IN THE PROJECT, NUMBER "3" DENOTES "FLOOR LEVEL 3", NUMBER "24" DENOTES ROOM NUMBERING SEQUENCE IN THE PROJECT AREA.

DATUM POINT TAG

CEILING HEIGHT TAG

B.O.C. BOTTOM OF CEILING
B.O.H. BOTTOM OF HEADER
HEIGHT ABOVE FINISH FLOOR

SPOT ELEVATION

DENOTES BUILDING REFERENCE ELEVATION

T.O.W. TOP OF WALL
T.O.C. TOP OF CURB
D.B.E. DECK BEARING ELEVATION
F.F.E. FINISH FLOOR ELEVATION
B.O.V. BOTTOM OF VENEER
T.O.S. TOP OF SIDEWALK
T.O.C. TOP OF CURB

VERTICAL ELEVATION

DENOTES FLOOR LEVEL | DENOTES BUILDING REFERENCE ELEVATION

CENTER LINE

FLOW ARROW

WATER DRAINAGE DIRECTION SHOWN ON SITE AND ROOF PLANS FROM HIGH TO LOW POINT.

FLOOR PLAN MATCHLINE

DETAIL LOCATION NUMBER | SHEET WHERE DRAWN | MATCHLINE

REVISION TAG

CLOUD INDICATES DRAWING REVISION AREA | REVISION NUMBER

KEYED NOTES - PROJECT SPECIFIC

KEYED NOTES THAT ARE PROJECT SPECIFIC AS INDICATED ON PLANS, SECTIONS AND ELEVATIONS

DIVISION # | DIVISION NOTE

KEYED NOTES - GENERIC

KEYED NOTES THAT ARE NOT PROJECT SPECIFIC AS INDICATED ON GENERIC, TYPICAL DETAILS.

WALL TAG

WALL TAGS ARE INDICATED ON DIMENSION FLOOR PLANS. WALL TYPES ARE INDICATED IN SHEET A501A.

DOOR TAG

DOOR TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

THE FIRST LETTER "A" AND THE FOLLOWING THREE DIGITS "124" DENOTES ROOM NUMBER

SUFFIX "C" DENOTES SEQUENCE OF DOOR ACCESSING THE ROOM.

WINDOW TAG

WINDOWS TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

FLOOR FINISH TAG

TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A, FOR FLOOR COVERING AND FINISHES REQUIRED.

WALL BASE TAG

TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A, FOR WALL BASE TYPE.

WALL FINISH TAG

TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A, FOR WALL FINISHES REQUIRED.

CEILING FINISH TAG

TAGS ARE INDICATED ON REFLECTED CEILING PLAN. SEE FINISH SCHEDULE, SHEET A603A, FOR CEILING FINISHES REQUIRED.

OTHER FINISH TAG

TAGS ARE INDICATED ON FINISH FLOOR PLAN & INTERIOR ELEVATIONS. SEE FINISH SCHEDULE, SHEET A603A, FOR FINISHES REQUIRED.

MS1 | MM1 | WP1 | PL1 | WC1 | AC1

CABINET TAG

CABINET TYPES ARE INDICATED ON INTERIOR ELEVATIONS & CABINET LEGEND, SHEET A505A.

SIGN TAG

TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE SIGN TYPE DETAIL **1 / A506A**

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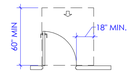
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General Information

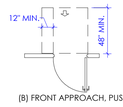
G003

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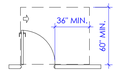
DOORS AND DOORWAYS



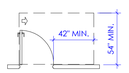
(A) FRONT APPROACH, PULL SIDE



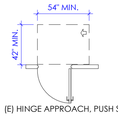
(B) FRONT APPROACH, PUSH SIDE



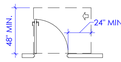
(C) HINGE APPROACH, PULL SIDE



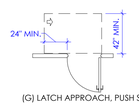
(D) HINGE APPROACH, PULL SIDE
FIG. 404.2.4.1



(E) HINGE APPROACH, PUSH SIDE

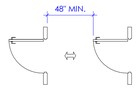


(F) LATCH APPROACH, PULL SIDE

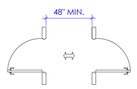


(G) LATCH APPROACH, PUSH SIDE

MANEUVERING CLEARANCE AT SWINGING DOORS

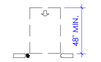


(A)

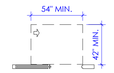


(B)

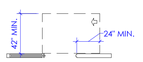
FIG. 404.2.6
TWO DOORS IN A SERIES



(A) FRONT APPROACH



(B) POCKET OR HINGE APPROACH



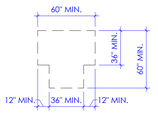
(C) STOP OR LATCH APPROACH

FIG. 404.2.4.2
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

CLEAR FLOOR SPACE

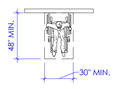


(A) CIRCULAR

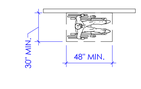


(B) T-SHAPED

FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE

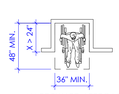


(A) FORWARD

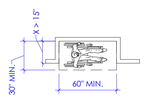


(B) PARALLEL

FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE



(A) FORWARD APPROACH



(B) PARALLEL APPROACH

FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

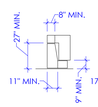


FIG. 306.3
KNEE CLEARANCE

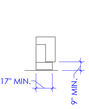


FIG. 306.2
TOE CLEARANCE

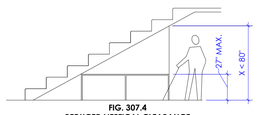


FIG. 307.4
REDUCED VERTICAL CLEARANCE

REACH RANGES

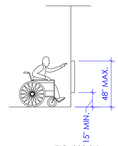


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

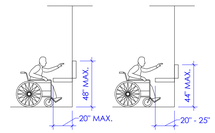


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

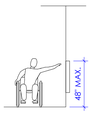


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

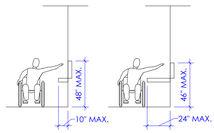


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

GENERAL SITE AND BUILDING ELEMENTS



FIG. 503.3
PASSENGER LOADING ZONE ACCESS AISLE

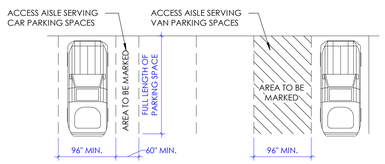
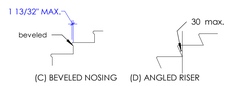


FIG. 502.2/502.3
VEHICLE PARKING SPACE/ PARKING SPACE ACCESS AISLE

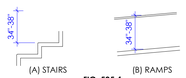


(A) VERTICAL RISER (B) CURVED NOSING



(C) BEVELED NOSING (D) ANGLED RISER

FIG. 504.5
STAIR NOSINGS



(A) STAIRS (B) RAMPS

FIG. 505.4
HANDRAIL HEIGHT



FIG. 505.5
HANDRAIL CLEARANCE



(A) CIRCULAR (B) NON-CIRCULAR (C) NON-CIRCULAR

FIG. 505.7
HANDRAIL CROSS SECTION

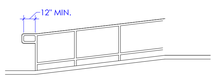


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

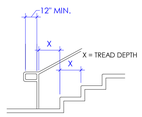


FIG. 505.10.2
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

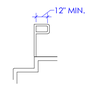


FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS



FIG. 504.2
TREADS AND RISERS FOR ACCESSIBLE STAIRWAYS

COMMUNICATION ELEMENTS AND FEATURES

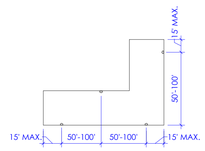
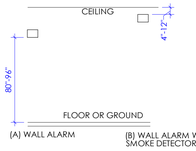


FIG. 702.3.5.1
APPLIANCE SPACING IN CORRIDORS



(A) WALL ALARM (B) WALL ALARM WITH SMOKE DETECTOR

FIG. 702.3.3.1
LOCATION OF WALL-MOUNTED APPLIANCES

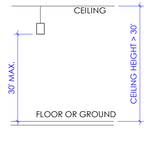
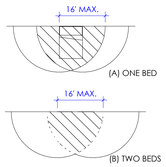


FIG. 702.3.3.2
LOCATION OF CEILING-MOUNTED APPLIANCES



(A) ONE BED (B) TWO BEDS

FIG. 702.3.6.2
APPLIANCE LOCATION IN SLEEPING ROOMS

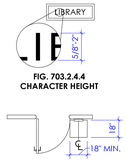
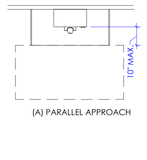
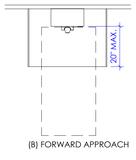


FIG. 703.2.4.4
CHARACTER HEIGHT

FIG. 703.2.8
MOUNTING LOCATION AT DOORS



(A) PARALLEL APPROACH



(B) FORWARD APPROACH

FIG. 704.2.1
CLEAR FLOOR OR GROUND SPACE FOR TELEPHONES

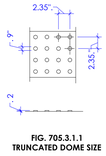


FIG. 705.3.1.1
TRUNCATED DOME SIZE

BUILDING BLOCKS



FIG. 302.3
OPENINGS IN FLOOR OR GROUND SURFACES

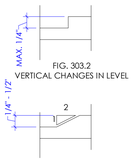


FIG. 303.2
VERTICAL CHANGES IN LEVEL

FIG. 303.3
BEVELED CHANGES IN LEVEL

PROTRUDING OBJECTS

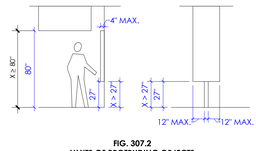


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

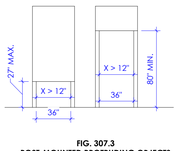
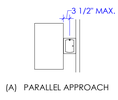
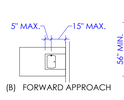


FIG. 307.3
POST-MOUNTED PROTRUDING OBJECTS

PLUMBING ELEMENTS AND FACILITIES



(A) PARALLEL APPROACH



(B) FORWARD APPROACH

FIG. 602.5
DRINKING FOUNTAIN SPOUT LOCATION

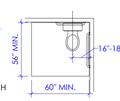


FIG. 604.2/604.3.1
WATER CLOSET LOCATION/ SIZE CLEARANCE

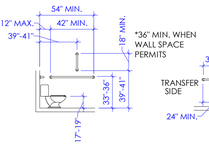


FIG. 604.4/604.5.1
HEIGHT OF WATER CLOSET/ SIDE WALL GRAB BAR FOR WATER CLOSET

FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

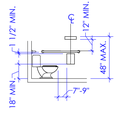


FIG. 604.7
DISPENSER LOCATION



(A) WALL-HUNG WATER CLOSET



(B) FLOOR-MOUNTED WATER CLOSET

FIG. 604.8.1.1
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

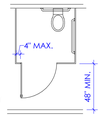
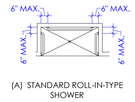
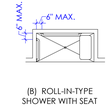


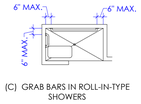
FIG. 604.8.3
TOILET COMPARTMENT DOORS



(A) STANDARD ROLL-IN-TYPE SHOWER



(B) ROLL-IN-TYPE SHOWER WITH SEAT



(C) GRAB BARS IN ROLL-IN-TYPE SHOWERS

FIG. 608.3.2
GRAB BARS IN ROLL-IN-TYPE SHOWERS

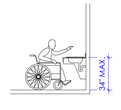


FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS

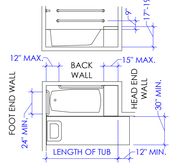


FIG. 607.4.1
GRAB BARS FOR BATHTUBS WITH PERMANENT SEATS (WITH FIG. 607.2 CLEARANCES)

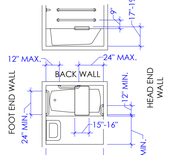


FIG. 607.4.2
GRAB BARS FOR BATHTUBS WITHOUT PERMANENT SEATS (WITH FIG. 607.2 CLEARANCES)



FIG. 607.5
LOCATION OF BATHTUB CONTROLS

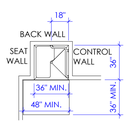


FIG. 608.2.1/608.3.1
TRANSFER-TYPE SHOWER COMPARTMENT WITH GRAB BARS

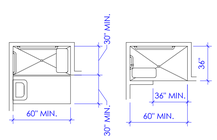
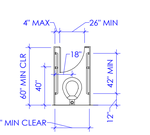
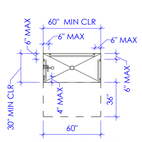


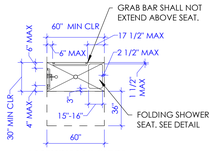
FIG. 608.2.2
STANDARD ROLL-IN-TYPE SHOWER COMPARTMENT



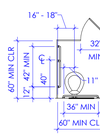
AMBULATORY TOILET COMPARTMENT



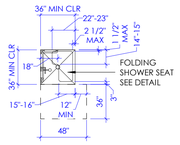
ACCESSIBLE ROLL-IN TYPE SHOWER PLAN (WITHOUT SEAT ADAAG)



ACCESSIBLE ROLL-IN TYPE SHOWER PLAN (WITH SEAT)



ACCESSIBLE TOILET COMPARTMENT



ACCESSIBLE SHOWER PLAN

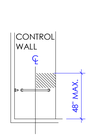
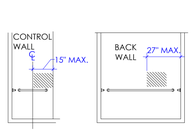


FIG. 608.5
CONTROLS IN TRANSFER-TYPE SHOWERS



(A) (B)

FIG. 608.6
LOCATION OF SHOWER SPRAY UNIT

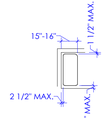


FIG. 610.3.1
RECTANGULAR SHOWER COMPARTMENT SEAT

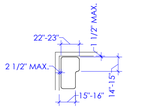


FIG. 610.3.2
L-SHAPED SHOWER COMPARTMENT SEAT

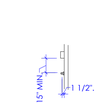
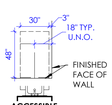


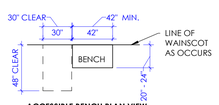
FIG. 609.3
SPACING OF GRAB BARS



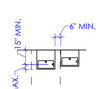
ACCESSIBLE URINAL PLAN



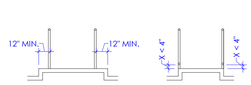
ACCESSIBLE LAVATORY PLAN



ACCESSIBLE BENCH PLAN VIEW

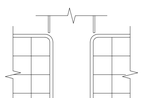


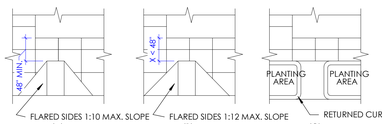
DRINKING FOUNTAINS PLAN VIEW



(A) EXTENDED SURFACE (B) CURB OR BARRIER

FIG. 405.9
RAMP EDGE PROTECTION


(A) CUT THROUGH AT ISLAND



(A) FLARED SIDES 1:10 MAX. SLOPE (B) FLARED SIDES 1:12 MAX. SLOPE (C)

FIG. 406.4
SIDES OF CURB RAMPS

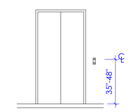


FIG. 407.2.2
ELEVATOR CALL BUTTONS

ACCESSIBLE ROUTES

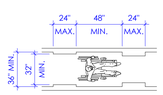


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

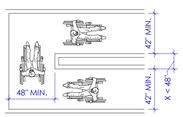
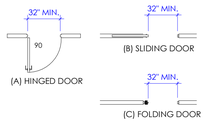
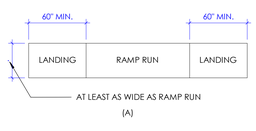


FIG. 403.5.1
CLEAR WIDTH AT TURN

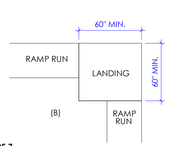


(A) HINGED DOOR (B) SLIDING DOOR (C) FOLDING DOOR

FIG. 404.2.3
CLEAR WIDTH OF DOORWAYS



(A)



(B)

FIG. 405.7
RAMP LANDINGS

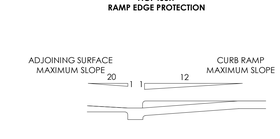
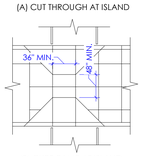
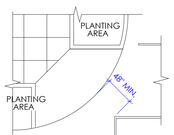


FIG. 406.3
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS

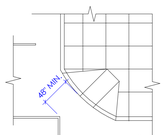


(B) CURB RAMP AT ISLAND

FIG. 406.12
ISLANDS



(A)



(B)

FIG. 406.11
DIAGONAL CURB RAMPS

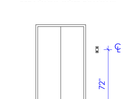


FIG. 407.2.3.2.1
HEIGHT OF ELEVATOR VISIBLE SIGNALS

1 American National Standard Institute (ICC A117.1 - 2009) Requirements
SCALE: 3/16" = 1'-0"

8/14/2025 3:50:10 PM

NJRA ARCHITECTS
NJRA Architects, Inc.
5223 S. Ascension Way, Suite 350
Murray, Utah 84123
801.364.9259
www.njraarchitects.com

STATE OF UTAH
SELVAM RAJAVELU
267857-0301
8/1/2025
LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

American National Standard Institute Requirements

G004

LEGEND - SITE PLAN

SITE COMPONENTS (FENCES, HYDRANTS, SIDEWALKS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/16" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/32" = 1'-0" SCALE.

- BOLLARD
- FENCE LINE (ORNAMENTAL)
- FENCE LINE (CHAIN LINK)
- PROPERTY LINE
- FIRE HYDRANT
- LIGHT POLE
- POWER POLE
- CATCH BASIN
- CONCRETE SIDEWALK OR PAVING WITH CONTROL JOINTS

LEGEND - DEMOLITION FLOOR PLAN

BUILDING COMPONENTS (DOORS, WALLS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.

- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED
- EXISTING WINDOW TO REMAIN
- EXISTING WINDOW TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED.
- EXISTING PLUMBING FIXTURES TO REMAIN
- EXISTING PLUMBING FIXTURES TO BE DEMOLISHED

LEGEND - FLOOR & DIMENSION PLANS

BUILDING COMPONENTS (DOORS, WALLS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.

- A101A — NEW DOOR IN NEW WALL. SEE DOOR SCHEDULE.
- A — NEW WINDOW. SEE WINDOW TYPES. TAGS ARE PLACED ON THE FRONT SIDE OF WINDOW.
- A1 — NEW METAL STUD WALL. SEE WALL TAGS ON DIMENSION PLANS AND WALL TYPES SHEET A501A FOR MORE INFORMATION.
- NEW BRICK MASONRY WALL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- NEW CMU WALL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- NEW CAST-IN-PLACE CONCRETE WALL. SEE WALL TAGS ON DIMENSION PLANS FOR MORE INFORMATION.
- NEW PLUMBING FIXTURES

LEGEND - REFLECTED CEILING PLAN

BUILDING COMPONENTS (CEILING, LIGHT FIXTURES, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.

- 2' X 4' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS **1 / A503A** , **4 / A503A** , **7 / A503A** , **10 / A503A**
- 2' X 2' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS **1 / A503A** , **4 / A503A** , **7 / A503A** , **10 / A503A**
- SUSPENDED GYPSUM BOARD CEILING OR SOFFIT SEE DETAILS **2 / A503A** , **3 / A503A** , **5 / A503A** , **8 / A503A**
- NEW SUPPLY AIR GRILLE - SEE MECHANICAL DRAWINGS
- NEW RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS
- NEW EXHAUST FAN - SEE MECHANICAL DRAWINGS
- 9'-0" — CEILING HEIGHT ABOVE FINISHED FLOOR
- NEW 2' X 4' LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

LEGEND - ROOF PLAN

BUILDING COMPONENTS (ROOF DRAINS, HATCH, ETC.) ARE DRAWN AT 1/4" = 1'- 0". ON PLANS DRAWN AT 1/8" = 1' - 0" SCALE. COMPONENTS SHALL APPEAR HALF THIS SIZE.

- TAPERED INSULATION CRICKET WITH 1/8" PER FOOT SLOPE. MINIMUM, ALONG VALLEY AND 1/4" PER FOOT SLOPE, MINIMUM, ACROSS CRICKET.
- ROOF DRAIN. SEE DETAIL -/---
- ROOF HATCH SEE DETAIL -/---
- SLOPE DOWN DIRECTION FOR WATER FLOW TOWARD ROOF DRAINS.
- AS ROOF STRUCTURE IS LEVEL (FLAT WITH NO SLOPE) IN THIS AREA, USE TAPERED INSULATION (1/4" PER FOOT SLOPE) FOR DRAINAGE. PROVIDE CRICKETS AS REQUIRED ON THE TOP OF TAPERED INSULATION.

GENERAL NOTES

A. STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS (IF PRESENT) ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF MECHANICAL OR ELECTRICAL CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEERS' DRAWINGS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION FOR CLARIFICATION. ANY CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS/HER OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.

B. ALL WORK SHALL COMPLY WITH THE CURRENT ADA ACCESSIBILITY GUIDELINES (AMERICANS WITH DISABILITIES ACT).

C. REFER TO THE CODE COMPLIANCE PLAN FOR APPLICABLE CODES GOVERNING THIS WORK. CODE REQUIREMENTS AND REGULATIONS SHALL BE CONSIDERED AS MINIMUM. WHERE THE CONTRACT DOCUMENTS EXCEED (WITHOUT VIOLATING) CODE AND REGULATION REQUIREMENTS, CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE. IF CONFLICT EXIST, THE MORE STRINGENT SHALL APPLY. COMPLY WITH REQUIREMENTS OF THE ADOPTED EDITIONS OF THE INTERNATIONAL CODE COUNCIL CODES, THE CODES AND STANDARDS REFERENCED WITHIN THE ICC CODES AND THE AMERICANS WITH DISABILITIES ACT.

D. THE CONTRACTOR SHALL PROVIDE ADEQUATE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS. TEMPORARY PASSAGES SHALL BE PROVIDED AS REQUIRED. PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM SITE. THE CONTRACTOR SHALL CHECK WITH THE OWNER FOR AN ACCEPTABLE ROUTE AND TIME.

E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION AND SIZE OF OPENINGS FOR ALL TRADES AND SHALL COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY THE ARCHITECT.

F. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.

G. FOR ALL REMODEL WORK AS OCCURS, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL BUILDING PROCEDURES. SYSTEM SHUTDOWNS OF HVAC, PLUMBING, ELECTRICAL, AND NOISY CONSTRUCTION INCLUDING ROTO HAMMER, SAW CUTTING, CONCRETE ANCHORS, ETC. SHALL BE COORDINATED WITH THE OWNER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT.

H. ALL DIMENSIONS ARE SHOWN TO FACE OF GYPSUM BOARD OF NEW CONSTRUCTION OR STRUCTURAL WALL UNLESS NOTED OTHERWISE.

I. ALL DRAWINGS, THOUGH NOTED TO SCALE ARE FOR ILLUSTRATION ONLY. THE CONTRACTOR SHALL NOT SCALE DRAWINGS.

J. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.

K. DRAWINGS HAVE BEEN DETAILED IN COMPLIANCE WITH U.L. LISTING REQUIREMENTS AND ICBO REPORTS FOR THE MATERIALS SPECIFIED. IF AN ALTERNATE OR SUBSTITUTED MATERIAL IS ACCEPTED AS AN EQUAL BY THE GENERAL CONTRACTOR, HE/SHE WILL ASSUME THE RESPONSIBILITY FOR WHATEVER CONSTRUCTION MODIFICATION AND/OR ADDITIONAL COSTS ARE REQUIRED.

L. ALL TRASH SHALL BE REMOVED DAILY. BUILDING MATERIALS MAY NOT BE STORED IN THE CORRIDORS AT ANY TIME. BLOCKAGE OF ANY REQUIRED EXIT IS PROHIBITED.

M. ALL PENETRATIONS INTO SOUND OR FIRE RATED PARTITIONS, FLOORS OR CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED PERMANENT RESILIENT SEALANT. REFER TO IBC CURRENT VERSION FOR REQUIREMENTS FOR OPENINGS IN FIRE RATED WALLS. FOR OPENINGS LESS THAN 16 SQUARE INCHES, THE SPACE BETWEEN THE WALL AND ALLOWED PENETRATIONS MUST BE SEALED TO PREVENT THE MOVEMENT OF HOT FLAME OR GASES. ELECTRICAL DEVICES, RECESSED CABINETS, ETC., SHALL BE SEALED, LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE INTEGRITY OF THE ASSEMBLY. SEE PENETRATION DETAILS.

N. ABBREVIATIONS THROUGHOUT THE PLAN ARE THOSE IN COMMON USE. THE ARCHITECT SHALL DEFINE THE INTENT OF ANY IN QUESTION.

O. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF WATER AND DRAIN INSTALLATIONS AND OTHER REQUIRED SERVICES WITH EQUIPMENT MANUFACTURERS.

P. MAINTAIN ALL EXISTING SPRAY-APPLIED FIRE PROOFING ON STEEL STRUCTURAL MEMBERS. WHERE EXISTING FIRE PROOFING IS REMOVED FOR INSTALLATION OF NEW BEAMS, UNISTRUTS, ETC., THE CONTRACTOR SHALL PATCH AGAIN WITH EQUIVALENT FIRE PROOFING MATERIAL TO MATCH ADJACENT EXISTING MATERIAL.

Q. ALL WOOD CANTS, NAILERS, CURBS, ETC. THROUGHOUT JOB SHALL BE FIRE RETARDANT PRESSURE-TREATED, AS PER I.B.C. CURRENT VERSION, SEE RELEVANT DETAILS.

R. CONTRACTOR SHALL REFER TO THE PROJECT MANUAL FOR A COMPLETE LIST OF GENERAL CONDITIONS, SPECIAL CONDITIONS AND OTHER NOTES.

GENERAL NOTES - DEMOLITION SITE PLAN

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING SITE AND BUILDING CONDITIONS INCLUDING BUT NOT LIMITED TO UNDERGROUND UTILITIES AND SERVICE LINES, IRRIGATION LINES AND SUB SURFACE STRUCTURES AND ALL OTHER EXISTING CONSTRUCTION BOTH ABOVE AND BELOW GRADE.

B. GENERAL CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING BOTH DEMOLITION AND NEW CONSTRUCTION WORK AND SHALL REPAIR ANY DAMAGE RESULTING FROM THIS WORK.

C. CONTRACTOR SHALL INCLUDE IN THEIR BID THE AMOUNT FOR COST ASSOCIATED WITH DEMOLITION, CORE-DRILLING, REMOVAL AND REPLACEMENT OF EXISTING CEILINGS, WALLS AND FINISHES REQUIRED FOR THE INSTALLATION OF MECHANICAL AND ELECTRICAL ITEMS IN THE EXISTING BUILDING. SEE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR AREAS WHERE NEW WORK IS REQUIRED AT THE EXISTING BUILDING. ANY EXISTING FINISHES THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED TO PROVIDE A NEW APPEARANCE. BIDS SHALL INCLUDE FIRESAFING AT THE FIRE-RATED WALLS WHICH ARE IDENTIFIED ON CODE COMPLIANCE PLANS.

D. NOT ALL TREES AND VEGETATION ARE SHOWN ON ARCHITECTURAL SITE PLANS. COORDINATE WITH ARCHITECT IF QUESTIONS ARISE REGARDING DEMOLITION OR PRESERVATION OF EXISTING LANDSCAPING.

E. EXISTING SITE FENCING THAT IS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE THAT OCCURS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE.

F. SEE CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

GENERAL NOTES - SITE PLAN

A. SEE CIVIL DRAWING FOR SITE UTILITIES, DIMENSIONS, SIDEWALKS, AND ALL OTHER SITE RELATED ITEMS AND DETAILS.

GENERAL NOTES - DOOR SCHEDULE

A. SEE PROJECT MANUAL FOR DOOR HARDWARE SCHEDULE.

B. SUB-CONTRACTOR UNDER SECTION 'ALUMINUM ENTRANCES AND STOREFRONT', SHALL PROVIDE ALL THE DOOR HARDWARE FOR ALL ALUMINUM DOORS. SEE DOOR SCHEDULE FOR ALUMINUM DOORS AND THE REQUIRED HARDWARE.

C. SUB-CONTRACTOR UNDER SECTION 'DOOR HARDWARE', SHALL PROVIDE ALL THE DOOR HARDWARE FOR ALL THE WOOD AND HOLLOW METAL DOORS. SEE DOOR SCHEDULE FOR WOOD AND HOLLOW METAL DOORS AND THE REQUIRED HARDWARE.

D. ALL EXTERIOR DOORS SHALL BE INSULATED.

E. FIELD VERIFY WINDOW AND DOOR FRAME OPENING SIZES BEFORE FRAME INSTALLATION. OVERALL DIMENSIONS INDICATED FOR EACH FRAME TYPE ARE ROUGH OPENING SIZES IN WALLS. CONTRACTOR SHALL ADJUST INNER DIMENSIONS AS REQUIRED TO MAKE DOORS AND WINDOWS WORK.

F. ELECTRICAL DEVICES SUCH AS MAG. LOCKS, CARD READERS AND ALARM SYSTEMS BEING PART OF THE DOOR FUNCTION ARE INCLUDED AS PART OF THE ELECTRICAL PLANS AND THE HARDWARE GROUPS. GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATIONS OF CARD READERS ETC. SHOWN ON ARCHITECTURAL AND ELECTRICAL DRAWINGS WITH ALL TRADES INVOLVED.

G. COORDINATE DOORS & GATES OUTSIDE BUILDING WITH SITE PLAN.

GENERAL NOTES - DEMOLITION FLOOR PLAN

A. CONTRACTOR SHALL VERIFY ALL EXISTING SITE AND BUILDING CONDITIONS INCLUDING UNDERGROUND UTILITIES AND SERVICE LINES, IRRIGATION LINES AND SUB SURFACE STRUCTURES AND ALL OTHER EXISTING CONSTRUCTION BOTH ABOVE AND BELOW GRADE.

B. PRIOR TO REMOVAL OF EXISTING BUILDING MATERIALS (INCLUDING WALLS, DOORS, WINDOWS, CEILING, ETC.) INDICATED IN THE DEMOLITION PLANS, CONTRACTOR SHALL THOROUGHLY COORDINATE ARCHITECTURAL FLOOR PLANS, CEILING PLANS, FINISH SCHEDULES AND ALL CONSULTANT DRAWINGS TO DETERMINE EXACT EXTENT OF REMOVAL.

C. COORDINATE WITH OWNER'S REPRESENTATIVE REGARDING ITEMS SHOWN TO BE REMOVED THAT WILL BECOME PROPERTY OF THE OWNER. CAREFULLY REMOVE SUCH ITEMS SO AS NOT TO DAMAGE THEM.

D. IN EXISTING WALLS THAT ARE NOTED TO REMAIN, ANY NAILS, SCREWS, OR OPENINGS THAT REMAIN AS A RESULT OF EXISTING EQUIPMENT REMOVAL OR WALL REMOVAL SHALL BE PATCHED WITH SMOOTH, EVEN, INVISIBLE TRANSITION. IN PLACES WHERE THE EXISTING WALL IS CUT FOR INSTALLATION OF POWER OUTLETS, SWITCH, THERMOSTAT, ETC., PATCH OPENING IN WALL WITH GYPSUM BOARD. PROVIDE SMOOTH, EVEN, INVISIBLE TRANSITION BETWEEN NEW AND EXISTING WALL FINISH.

E. THE OWNERS STAFF WILL CONTINUE TO OCCUPY AREAS DIRECTLY ADJACENT TO THE CONSTRUCTION AREA. THE CONTRACTOR AND SUB-CONTRACTORS SHALL TAKE ALL NECESSARY MEASURES TO MINIMIZE DISRUPTION ACTIVITIES CONDUCTED BY THE OWNERS STAFF. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF NOISY ACTIVITIES, SHUT-DOWNS, AND ANY OTHER ACTIVITIES WHICH MAY DISRUPT NORMAL OPERATIONS PRIOR TO PERFORMING THE WORK.

F. ONCE FLOORING DEMOLITION HAS OCCURRED, CLEAN AND PREPARE FLOOR TO RECEIVE NEW FLOOR COVERINGS. THIS SHALL BE COORDINATED WITH THE FINISH SCHEDULE AND MANUFACTURER OF NEW PRODUCTS FOR FLOOR PREPARATION REQUIREMENTS.

G. ITEMS SHOWN ON THESE FLOOR PLANS FOR REMOVAL ARE BUILT-IN ITEMS. EQUIPMENT, FURNITURE, & OTHER ITEMS EXISTING IN THE SPACE THAT ARE NOT BUILT-IN SHALL BE REMOVED OR CLEARED TEMPORARILY BY THE OWNER.

GENERAL NOTES - EXTERIOR ELEVATIONS

A. SEE WINDOW SCHEDULE FOR WINDOW OPENINGS AND SILL HEIGHT. SEE DOOR SCHEDULE FOR DOOR OPENING SIZE. SEE LEGEND FOR BRICK VENEER TYPE.

B. NOT ALL MECHANICAL GRILLES ARE SHOWN ON THESE ELEVATIONS. COORDINATE ALL GRILLE LOCATIONS WITH MECHANICAL DRAWINGS.

C. ALL EXTERIOR WALL FINISHES ARE TO BE 6" ABOVE FINISH GRADE TYPICAL. SEE WALL SECTIONS.

D. ALL FINISHES TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS AND PER SPECIFICATION SECTION IN THE PROJECT MANUAL.

GENERAL NOTES - FLOOR & DIM. PLANS

A. REFER TO THE CODE COMPLIANCE PLANS FOR INDICATION OF FIRE RATED WALLS.

B. AT LOCATIONS WITHOUT CEILINGS (ROOM IS OPEN TO STRUCTURE ABOVE), EXTEND ALL WALLS, SOFFITS, AND HEADERS (INCLUDING ALL STUD FRAMING, GYPSUM BOARD, INSULATION & CMU, WHERE APPLICABLE) TO THE METAL ROOF DECK ABOVE.

C. WHEN FLOOR HEIGHT VARIES IN A ROOM, THE CEILING HEIGHT SHOWN IS THE HEIGHT ABOVE THE FLOOR AT THE ENTRY, UNO.

D. SEE INTERIOR ELEVATIONS FOR TOILET AND BATHROOM ACCESSORIES (GRAB BARS, MIRRORS, DISPENSERS, ETC.).

E. AT ALL VERTICAL EDGES OF INTERIOR CMU WALLS THAT ARE VISIBLE, USE BULLNOSE CMU BLOCKS FROM FINISHED FLOOR ELEVATION TO A HEIGHT OF 7'-4".

F. FOR CLARITY SAKE, DIMENSIONS ARE NOT SHOWN AT THE FOLLOWING LOCATIONS:
a. WHERE THE FACE OF WALL COINCIDES WITH THE MAIN GRID LINE OR 4'-0" X 4'-0" SUBGRID.
b. WHERE THE CENTER OF WALL COINCIDES WITH THE MAIN GRID LINE OR 4'-0" X 4'-0" SUBGRID.

G. VERIFY WITH ARCHITECT FOR DIMENSIONS NOT SHOWN.

H. SEE STRUCTURAL DRAWINGS FOR CMU WALLS, MASONRY COLUMNS, AND MASONRY BEAMS. SEE BUILDING EXTERIOR ELEVATIONS FOR VENEER TYPES. SEE FINISH SCHEDULE FOR CMU THAT IS HONED, SCORED, SEALED, PAINTED, ETC.

I. SEE CIVIL, FOOD SERVICE, PLUMBING, AND MECHANICAL DRAWINGS FOR FLOOR SINKS, FLOOR DRAINS, AND OPENINGS IN FLOOR SLABS AND ROOFS FOR DUCTWORK, ETC.

J. SEE DOOR AND WINDOW SCHEDULE FOR THE REQUIRED DOOR AND WINDOW OPENING SIZES

K. SEE FINISH SCHEDULE AND STRUCTURAL DRAWINGS AND PROVIDE RECESS IN CONCRETE FLOOR SLAB AS REQUIRED TO ACCOMMODATE FLOOR FINISHES. CONCRETE FLOOR SLAB THAT IS ON GRADE, SHALL BE RECESSED AS REQUIRED, FOR A THICK SET MORTAR FOR CERAMIC TILE FINISH. SLOPE SHALL BE AT 1/8" PER FOOT TOWARDS THE FLOOR DRAIN. CONCRETE FLOOR SLAB, THAT IS NOT ON GRADE, NEED NOT BE RECESSED. IN SUCH LOCATION, USE THIN SET MORTAR FOR CERAMIC TILE FINISH WITH A GENTLE SLOPE TOWARDS DRAIN.

L. ALL PENETRATIONS (PIPES, CONDUITS, JOISTS, ETC.) THROUGH FIRE RATED BARRIER WALLS SHALL BE SEALED COMPLETELY WITH FIRE RATED SEALANTS. FILL GAP BETWEEN FLUTES OF THE METAL DECK AND METAL TRACK TOP RUNNER WITH FIRE RATED SEALANTS, SEAL TIGHTLY AROUND PIPES, CONDUITS, DUCTS, ETC. THAT PENETRATES THE FIRE BARRIER WALL WITH FIRE RATED SEALANTS. APPLY SEALANT AS PER MANUFACTURERS RECOMMENDATIONS WITH ANY ADDITIONAL MATERIAL AS REQUIRED INSTALLED AROUND PENETRATIONS TO MAINTAIN THE INTEGRITY OF THE FIRE WALL. SEE MECHANICAL DRAWINGS FOR FIRE AND SMOKE DAMPERS.

M. WALL CABINETS HAVE A DEPTH OF 1'-3" UNLESS NOTED OTHERWISE.

N. ALL MASONRY MORTAR JOINTS LOCATED INSIDE THE BUILDING SHALL BE TOOLED JOINTS, UNLESS NOTED OTHERWISE. MASONRY JOINTS ON THE BUILDING EXTERIOR SIDE SHALL BE RAKED JOINTS AS INDICATED IN BUILDING EXTERIOR ELEVATIONS.

O. SEE OVERALL FLOOR PLAN SHEETS FOR ANGLES, PIVOT POINT AND DIMENSIONS BETWEEN GRID LINES.

P. SEE CODE COMPLIANCE FLOOR PLANS FOR LOCATION OF FIRE BARRIER, NON RATED WALLS, ETC.,

Q. SEE ENLARGED FLOOR PLANS FOR ADDITIONAL DIMENSIONS.

R. IN SOME PROJECTS, DUE TO THE LARGE BUILDING FOOTPRINT SIZE, FLOOR PLANS ARE SPLIT AS AREAS A, B, C, ETC., AND EACH AREA IS INDICATED ON SEPARATE SHEETS, MATCH LINES INDICATE THE BOUNDARIES OF EACH AREA. WHEN CONTRACTORS ARE PREPARING BID FOR THE PROJECT, COST SHALL INCLUDE ONLY THE BUILDING ELEMENTS AND ASSOCIATED CONSTRUCTION WORK CALLED OUT WITH KEYED NOTES IN THE AREA INDICATED ON THE SHEET. KEYED NOTES INDICATED OUTSIDE THE MATCH LINE IN ADJACENT FLOOR AREAS SHALL NOT BE COUNTED FOR THAT AREA. THIS AVOIDS DUPLICATION OF BUILDING ELEMENTS AND CONSTRUCTION WORK.

GENERAL NOTES - BUILDING SECTIONS

A. BUILDING SECTIONS INDICATE THE RELATIONSHIPS BETWEEN THE DIFFERENT ROOMS AND AREAS OF THE FACILITY. THE INTENT IS TO ILLUSTRATE THE CONCRETE FLOOR SLAB ON GRADE, FLOOR TO FLOOR HEIGHT, ROOF SLOPES, EXTENT OF REQUIRED STRUCTURAL FILL UNDERNEATH THE FOOTINGS, CONCRETE SLAB ON GRADE, ETC. REFER TO RELEVANT WALL SECTIONS FOR DETAILED DESCRIPTION OF WALL AND ROOF CONSTRUCTION.

B. SEE CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION AND HOW REFERENCE ELEVATION OF 100'-0" RELATES TO THE EXISTING CONTOUR LINES AND SPOT ELEVATIONS. SOIL CUT AND FILL REQUIREMENTS SHALL BE DETERMINED BASED ON THE SITE EXISTING CONTOUR LINES AND PROPOSED NEW CONTOUR LINES. SEE GEOTECHNICAL STUDY FOR SOIL COMPACTION AND EXTENT OF STRUCTURAL FILL REQUIREMENTS.

GENERAL NOTES - REFLECTED CEILING PLAN

A. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS IN CEILING. CONTRACTOR SHALL COORDINATE WITH LIGHT FIXTURES (AS INDICATED IN ELECTRICAL DRAWINGS) AND MOVE DIFFUSERS AROUND THE LIGHT FIXTURE IF THERE IS ANY CONFLICT BETWEEN THE TWO.

B. SOME OF THE ITEMS ON CEILING INDICATED IN MECHANICAL AND ELECTRICAL DRAWINGS, MAY OR MAY NOT BE INDICATED ON ARCHITECTURAL CEILING PLANS. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE WITH ARCHITECT FOR ANY REQUIRED CLARIFICATIONS.

C. CONTRACTOR SHALL NOT HANG CEILING TILES AND LIGHTS FROM DUCTS. FOR AREAS ABOVE THE CEILING WHERE OVERSIZE DUCTS OCCUR SEE DETAIL **12 / A503A** .

D. PAINT ALL VISIBLE EXPOSED ITEMS LIKE METAL DECK, STEEL ANGLES, STEEL BEAMS, STEEL TRUSSES, MISCELLANEOUS EXPOSED STEEL STRUCTURAL COMPONENTS, HOLLOW METAL DOORS, DOOR FRAMES & WINDOW FRAMES. PAINT EXPOSED SURFACES (WITH COLORS AND ACCENT COLORS AS SELECTED BY ARCHITECT) EXCEPT WHERE NATURAL FINISH OR MATERIAL IS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED. DO NOT PAINT CONCEALED SURFACES, FINISHED METAL SURFACES, OPERATING PARTS AND PRE FINISHED ITEMS.

GENERAL NOTES - WALL SECTIONS

A. ALL EXTERIOR WALL FINISHES ARE TO BE 6" ABOVE FINISH GRADE, TYPICAL.

B. SEE WINDOW SCHEDULE FOR WINDOW OPENINGS AND SILL HEIGHT (UNLESS NOTED ON THE EXTERIOR ELEVATIONS). SEE DOOR SCHEDULE FOR DOOR OPENING SIZES.

C. ALL FINISHES TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS AND PER SPECIFICATION SECTION IN THE PROJECT MANUAL.

D. SEE FINISH FLOOR PLANS FOR AREAS WHERE HONED CMU BLOCKS ARE INDICATED, AT THESE AREAS, THE CONTRACTOR HAS THE OPTION OF USING REGULAR BLOCK IN CONCEALED AREAS AND CEILING SPACES THAT ARE NOT VISIBLE.

E. SPACING BETWEEN STRUCTURAL MEMBERS SHALL FOLLOW INDICATIONS GIVEN ON STRUCTURAL PLANS (TYPICAL).

F. FIRE PROTECTION ON ASSEMBLIES, ELEMENTS AND MEMBERS SHALL COMPLY WITH ALL THE CODE REQUIREMENTS, TYPICAL - REFER TO CODE COMPLIANCE PLANS.

G. WOOD MATERIAL UNDER TYPE IIB CONSTRUCTION SHALL BE FIRE-RETARDANT, PRESSURE-TREATED, TYPICAL, U.N.O.

H. ALL INTERIOR WALLS SHALL BE BUILT FOLLOWING WALL TYPE DETAILS, TYPICAL.

I. IN ROOMS/AREAS WHERE HONED, SCORED OR COLORED C.M.U. BLOCKS ARE INDICATED FOR WALLS IN THE FINISH SCHEDULE. CONTRACTOR HAS THE OPTION OF USING REGULAR (LESS EXPENSIVE NATURAL GRAY COLOR) BLOCKS IN CONCEALED AREAS AND CEILING SPACES THAT ARE NOT VISIBLE. THIS DOES NOT APPLY TO AREAS THAT CAN CHANGE OVER THE LIFE OF THE BUILDING SUCH AS WALL LOCATED BEHIND CABINETS, ARTWORK, WHITE BOARD, TACK BOARD, ETC., WHEN OTHER BLOCKS ARE SUBSTITUTED. THE STRUCTURAL INTEGRITY OF THE BLOCK SHALL REMAIN THE SAME AS BLOCK INDICATED IN STRUCTURAL DRAWINGS AND SPECIFICATION SECTION IN THE PROJECT MANUAL.

J. AT INTERIOR MASONRY WALL OUTSIDE CORNERS, PROVIDE BULL NOSE BLOCK.

K. CORE DRILLING WALLS AND SLABS: CONTRACTOR SHALL USE GROUND PENETRATING RADAR OR OTHER APPROVED METHOD TO SCAN CONCRETE OVER METAL DECK, CONCRETE SUSPENDED SLABS, MASONRY WALLS, AND CONCRETE WALLS TO LOCATE REBAR PRIOR TO CORE DRILLING ANY HOLES. HOLES SHALL BE LOCATED TO AVOID REBAR DETECTED. ALL OPENINGS AND GROUPS OF OPENINGS SHALL BE REINFORCED AS SHOWN ON THE STRUCTURAL DRAWINGS. OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO DRILLING.

GENERAL NOTES - ROOF PLAN

A. PROVIDE CRICKET ON THE HIGH SIDE OF ROOF AT ALL CURB LOCATIONS FOR MECHANICAL EQUIPMENT, SKYLIGHT, ROOF HATCH, ETC., WHETHER INDICATED ON THE ROOF PLAN OR NOT.

B. PROVIDE WEATHERHEAD (GOOSNECK 2" CONDUIT) WHERE CONDUCTORS PENETRATE ROOF FOR DISCONNECT SWITCHES, POWER OUTLETS, ETC. SECURE GOOSENECK TO STRUCTURE BELOW.

C. PROVIDE WALKWAY PADS BETWEEN MECHANICAL EQUIPMENT, TO AND FROM ROOF HATCHES AND OTHER ROOF ACCESS POINTS, AND AROUND MECHANICAL EQUIPMENT REQUIRING PERIODIC MAINTENANCE.

GENERAL NOTES - INTERIOR ELEVATIONS

A. PROVIDE LOCKS FOR CABINETS AS INDICATED ON THE CABINET LEGEND ON SHEET A505A AND IF INDICATED ON INTERIOR ELEVATIONS.

B. IN ROOMS WHERE CABINETS ARE REQUIRED TO BE LOCKED, PROVIDE LOCKS OPERABLE WITH SINGLE KEY.

C. FOR TYPICAL MOUNTING HEIGHTS, SEE SHEET G003. FOLLOW THE HEIGHT UNLESS NOTED OTHERWISE IN INTERIOR ELEVATIONS. VERIFY WITH ARCHITECT FOR ITEMS NOT INDICATED.

D. CONTRACTOR SHALL VERIFY WITH OWNER FOR OWNER FURNISHED CONTRACTOR INSTALLED ITEMS AND PROVIDE BACKING IN WALL AS REQUIRED FOR INSTALLATION.

E. INTERIOR ELEVATIONS OF CERTAIN ROOMS ARE NOT DRAWN AND ARE NOTED AS SIMILAR ELEVATIONS OF ROOMS THAT ARE INDICATED IN THE DRAWINGS.

F. CONTRACTOR SHALL PROVIDE FILLER PANELS (PLASTIC LAMINATE WRAPPED OVER 5/8" PARTICLE BOARD) WHEREVER GAP OCCURS BETWEEN CABINETS AND WALL.

G. SEE FINISH FLOOR PLANS AND FINISH SCHEDULE A603A FOR WALL, CABINET AND COUNTERTOP FINISHES.

H. SEE SHEET A505A FOR CABINET LEGEND (TYPES B1, W1, T1, ETC.,). UNLESS NOTED OTHERWISE, ALL THE CABINETS AND COUNTERTOPS IN EACH ROOM SHALL BE OF THE SAME FINISH (PL1, PL2, SS1, ETC.,) AS INDICATED ON THE INTERIOR ELEVATION OF EACH ROOM. WHERE MULTIPLE FINISHES ARE REQUIRED FOR CABINETS, WALLS, ETC. IN THE ROOM, EACH FINISH IS INDICATED SEPARATELY. CONTACT ARCHITECT FOR REQUIRED CLARIFICATIONS.

I. COUNTERTOPS ARE TYPICALLY SUPPORTED BY WALLS AND BASE CABINETS. IN PLACES WHERE COUNTERTOP SPAN EXCEEDS 4' -0", STEEL SUPPORTS SHALL BE PROVIDED AS INDICATED IN DETAILS **4 / A505B** AND **5 / A505B** .

J. AS INDICATED ON INTERIOR ELEVATIONS, WALL CABINETS AT CERTAIN LOCATIONS MAY REQUIRE A VERTICAL OR A SLOPED FASCIA PANEL.

K. AN ENLARGED FLOOR PLAN HAS BEEN INCLUDED ALONG WITH INTERIOR ELEVATIONS FOR ROOMS THAT ARE COMPLEX IN DESIGN. SUCH COMPLEX ROOMS ARE INDICATED ON THE A400 SERIES SHEETS (STARTING WITH SHEET A401). ENLARGED FLOOR PLANS ARE NOT SHOWN FOR ROOMS THAT ARE SIMPLE IN DESIGN. INTERIOR ELEVATIONS OF SUCH SIMPLE ROOMS ARE INDICATED ON THE A250 SERIES SHEETS (STARTING WITH SHEET A251).

L. FOR ALL CABINETS PROVIDE BACKING IN WALL AS PER DETAIL 3/A505B.

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LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

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NJRA Project # 24236.00
Construction Documents Aug 1, 2025

General Legend & Notes

G005

8/4/2

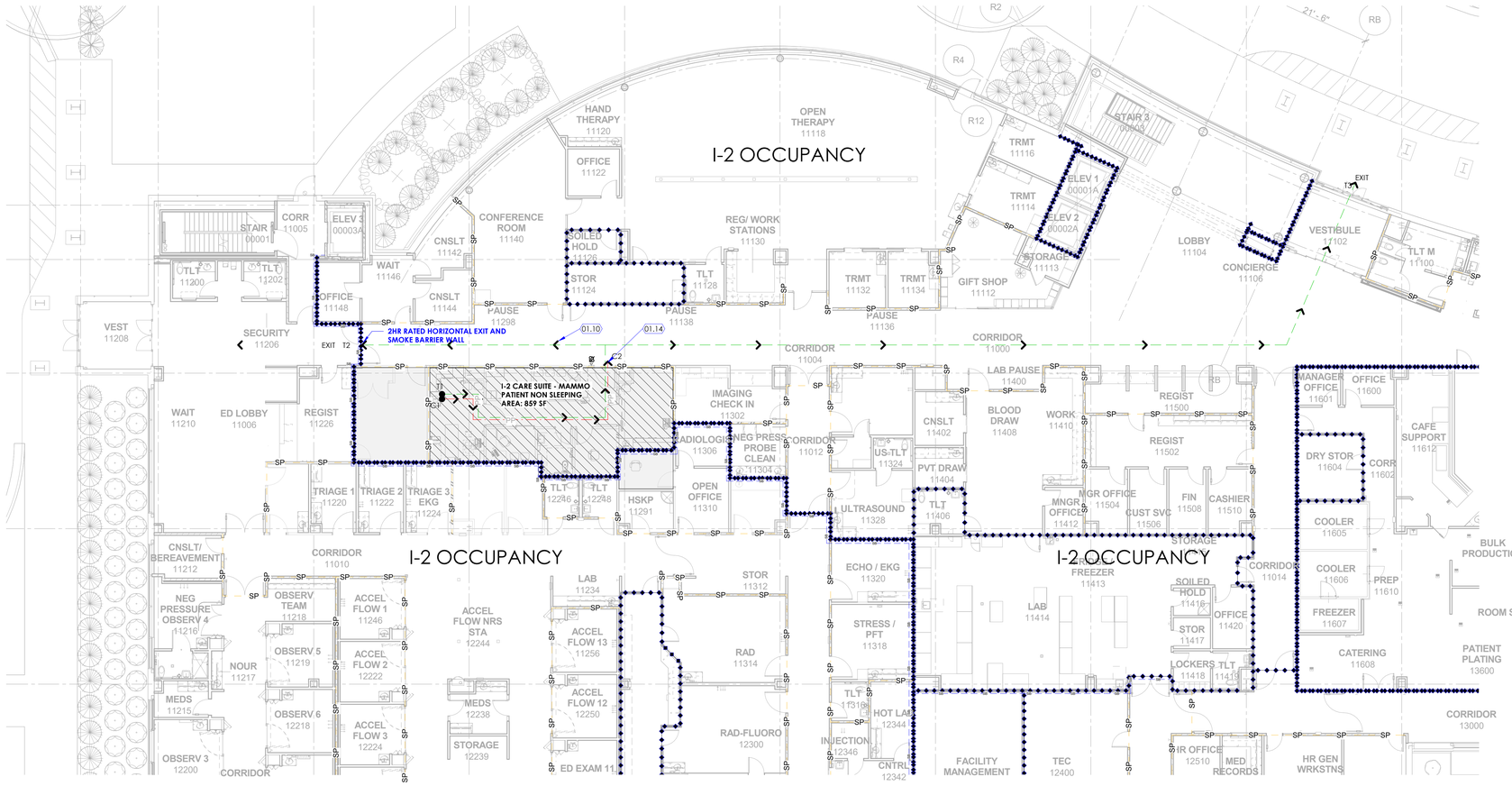
LEGEND

SYMBOL	DESCRIPTION	FIRE RESISTANCE RATING	DOOR FIRE RATING	WINDOW FIRE RATING
●——→	COMMON PATH OF TRAVEL	N/A	N/A	N/A
●- - - - →	TRAVEL DISTANCE	N/A	N/A	N/A
ROOM NAME SQ. FT. ROOM # O.L. #	OCCUPANT LOAD	N/A	N/A	N/A
SP	SMOKE PARTITION WALL	0 HOUR	SMOKE	SMOKE
SB	SMOKE BARRIER WALL	1 HOUR	1/3 HOUR	1/3 HOUR
	1 HOUR FIRE RATED WALL	1 HOUR	3/4 HOUR	3/4 HOUR
	2 HOUR FIRE RATED WALL	2 HOUR	1-1/2 HOUR	1-1/2 HOUR
	APROX. AREA OF REMODEL			

KEYED NOTES

01.10 LINE AND ARROW INDICATES 'TRAVEL DISTANCE' OF 91' - 3" BETWEEN POINTS T1 AND T2. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 200'.

01.14 LINE AND ARROW INDICATES EXIT ACCESS TRAVEL DISTANCE FROM REMOTE POINT IN SUITE TO EXIT ACCESS CORRIDOR. DISTANCE OF 56' - 4" BETWEEN POINTS C1 AND C2 IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 100'.



1 Code Compliance Floor Plan Level 1 - Overall
SCALE: 3/32" = 1'-0"

NORTH

GENERAL

APPLICABLE CODES

International Building Code (IBC)	2021
International Existing Building Code (IEBC)	2021
International Fire Code (IFC)	2021
International Mechanicial Code (IMC)	2021
International Plumbing Code (IPC)	2021
ANSI/ASHRAE/IES Standard 90.1	2010
National Electric Code (NEC)	2020
NFPA 101	2021
ANSI 117.1	2017

OCCUPANCY CLASSIFICATION: I-2

CONSTRUCTION TYPE: Type 1-A

EXIT ACCESS TRAVEL DISTANCE (IBC Table 1017.2)

Travel Distance to Exit: 200 Feet (I-2 Occupancy)
Exit access Travel Distance: 100 Feet (I-2 Care Suite, IBC Sec 407.4.4.3)

CORRIDOR FIRE-RESISTANT RATING (IBC Table 1020.2)

Corridor Walls: 0 Hrs, Smoke Partition
Suite Boundry: 0 Hrs, Smoke Partition (I-2 Care Suite, IBC Sec 407.4.4.2)

MINIMUM CORRIDOR WIDTH (IBC Table 1020.3)

Minimum corridor width required: 44 inches (96 in. in Areas for patient bed movement)
Actual corridor width provided: 60 inches

DEAD END CORRIDOR (IBC Section 1020.5)

Occupancy I-2 - Sprinkled: Not to exceed 20 feet

FIRE SPRINKLER SYSTEM

Building is equipped throughout with an automatic fire extinguishing sprinkler system.

ALLOWABLE BUILDING HEIGHT IN GEET ABOVE GRADE PLANE (IBC Table 504.3)

100 FT. Max per City Ordinance

Actual Building Height: 39 Feet 2 Inches

OCCUPANT LOADS (IBC Table 1004.5)

I-2: 240 Sq. Ft. Gross per Occupant

I-2 Care Suite - Patient Non Sleeping Mammography

Level 1 Remodel Area (Total): 1,234 SF

Total Area of Suite: 859 SF
Max Allowed: 15,000 (IBC Sec 407.4.4.6.1

Exist Access Travel Distance: 56'
Max Allowed: 100' (IBC Sec 407.4.4.3)

Exit Access (IBC Section 407.4.4.6.2)

Care suites other than sleeping rooms, with an area of more than 2,500 square feet shall have not fewer than two exit access doors from the care suite.

Actual Area: 859 SF

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS - TYPE V-B (TABLE 601)

	Required	Provided
Structural frame: (2 hr, where supporting the roof)	3	3
Bearing Walls:		
Exterior	3	N/A
Interior	3	N/A
Nonbearing walls		
Exterior	0	0
Interior	0	0
Floor Construction	2	2
Roof Construction	1 1/2	1 1/2

VIEW & PRINT THIS SHEET IN COLOR FOR CLARITY

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Intermountain Health
Layton Hospital
Mammography

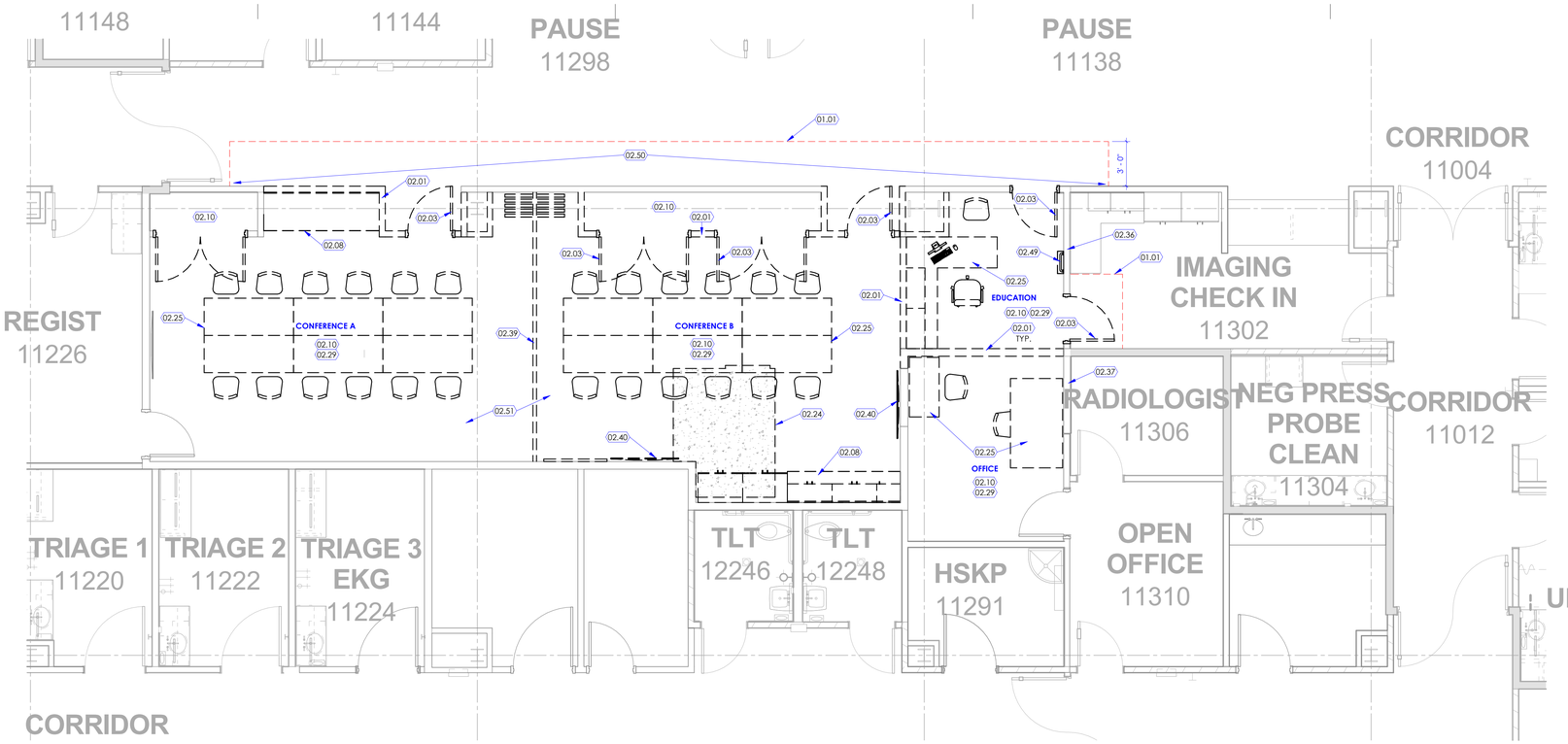
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NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Code Compliance Plan Level 1 - Overall

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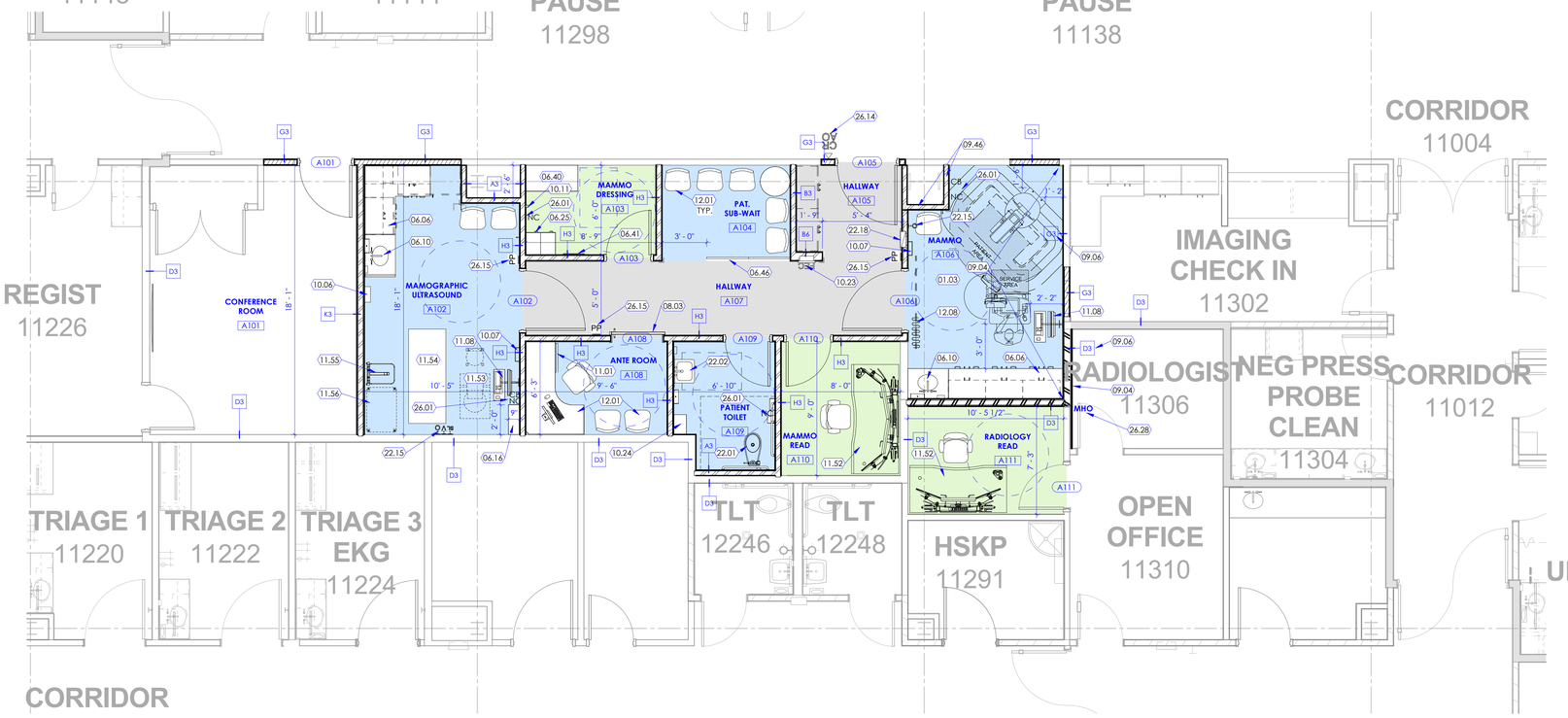
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1 Demolition Floor Plan Level 1

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

NORTH



2 Floor Plan Level 1

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

NORTH

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KEYED NOTES

01.01 DASHED LINE INDICATES FLOOR TO CEILING DUST PROOF CONSTRUCTION BARRIER TO PREVENT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS OCCUPIED BY THE OWNER FROM FUMES AND NOISE. CONSTRUCTION BARRIER TO SPAN FROM FINISHED FLOOR TO CEILING ABOVE. PRE-FABRICATED RIGID ICRA BARRIERS SUCH AS SWITWALL OR STARK ARE PREFERRED. 3 5/8" 20 GA. MTL. STUDS @ 16" O.C. FRAMING WITH 5/8" TYPE 'X' GYPSUM BOARD ON BOTH SIDES WOULD BE ACCEPTABLE. TAPE & SEAL ALL JOINTS AND OPENINGS. SEAL JOINTS AT PERIMETER. PAINT WALL ON EXISTING CORRIDOR SIDE. ICRA PARTITION TO BE EQUIPPED WITH 4'-0" LOCKABLE MAN DOOR WITH STICKY MATS ON BOTH SIDES OF DOOR. COORDINATE WITH OWNER FOR EXACT LOCATION OF CONSTRUCTION BARRIER. OTHER ICRA PERMITS MAY BE REQUIRED. COORDINATE WITH FACILITIES AND INFECTION PREVENTION.

01.03 REFERENCE VENDOR DRAWINGS FROM HOLOGIC FOR ALL WALL, FLOOR AND CEILING MOUNTED EQUIPMENT IN THIS ROOM. ITEMS IN THESE DRAWINGS MENTIONED AS "CUSTOMER/CONTRACTOR" PROVIDED SHALL BE PROVIDED SOLELY BY THE "CONTRACTOR".

02.01 REMOVE EXISTING METAL STUD WALL INCLUDING STUDS, GYPSUM BOARD, STUD BRACING ABOVE CEILING, ELECTRICAL, MECHANICAL, AND PLUMBING ITEMS LOCATED IN THE WALL.

02.03 REMOVE EXISTING DOOR, HARDWARE AND FRAME.

02.08 REMOVE EXISTING CASEWORK INCLUDING BASE CABINETS, UPPER/WALL CABINETS, FULL HEIGHT CABINETS, COUNTERTOPS, CLOSER PANEL, SLOPED DUST TOP, ETC.

02.10 REMOVE EXISTING FLOORING AND BASE INCLUDING ADHESIVE ALL THE WAY DOWN TO THE BARE CONCRETE FLOOR. CLEAN FLOOR AND PREP FOR NEW FLOOR FINISHES.

02.24 SAW CUT AND CHIP AWAY EXISTING SLAB FOR A UNIFORM DEPTH OF ONE INCH THROUGHOUT THE ENTIRE ROOM. EXTEND SAW CUT UNDER NEW DOOR FRAME FOR THRESHOLD. GRIND SMOOTH AND PREP FLOOR FOR NEW FLOOR TILE INSTALLATION.

02.25 REMOVE MODULAR FURNITURE, SALVAGE AND RETURN TO OWNER.

02.29 REMOVE ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO ARTWORK, AV INTEGRATION ITEMS, THERMOSTATS, CLOCKS, FURNITURE ITEMS, ACOUSTICAL WALL PANELS, ETC. SALVAGE AND RETURN ITEMS TO OWNER.

02.36 UPGRADE EXISTING WALL IN THIS ROOM TO A SMOKE PARTITION WALL. EXTEND FRAMING AND DRYWALL TO DECK ABOVE. REFERENCE WALL TYPE'G3' ON SHEET A501A. ALL WALLS AND GYPSUM BOARD TO EXTEND TO DECK ABOVE. ALL PENETRATIONS TO BE CAULKED WITH ACOUSTICAL CAULKING.

02.37 UPGRADE EXISTING WALL TO A 2-HR FIRE RATED WALL. EXTEND FRAMING AND DRYWALL (2 LAYERS - EACH SIDE) TO DECK ABOVE. REFERENCE WALL TYPE'D3' ON SHEET A501A. WALL FRAMING AND GYPSUM BOARD (2 LAYERS) TO EXTEND TO DECK ABOVE. ALL PENETRATIONS TO BE FIRE CAULKED WITH FIREPROOF CAULKING. SEE NEW FLOOR PLAN.

02.39 COMPLETELEY REMOVE OPERABLE PANEL PARTION, INCLUDING ITS SUPPORT STRUCTURE, OVERHEAD BEAMS AND ALL ASSOCIATED ACCESSORIES.

02.40 CAREFULLY REMOVE WALL MOUNTED TV/MONITOR. SALVAGE AND RETURN TO OWNER.

02.49 REMOVE WALL MOUNTED GRAB BAR AND SCALE. SALVAGE AND RETURN SCALE TO OWNER.

02.50 PATCH AND REPAIR FLOORING AND BASE IN CORRIDOR AS NEEDED.

02.51 SAWCUT EXISTING CONCRETE SLAB ON GRADE FOR INSTALLATION OF NEW PLUMBING LINES AND ALL IN-SLAB AND BELOW SLAB M/E/P WORK. SEE M/E/P DRAWINGS FOR EXTENT OF DEMOLITION REQUIRED. COMPACT & PREPARE GRADE. INSTALL DRAINAGE GRAVEL AND 15 MIL. VAPOR BARRIER BEFORE POURING NEW CONCRETE SLAB. TOP OF NEW SLAB SHALL FLUSH WITH ADJACENT EXISTING. SEE DETAIL 7/A506A FOR CONCRETE TRENCH REPAIR.

06.06 SOLID SURFACE COUNTER WITH FULL BULLNOSE EDGE AND INTEGRAL BACKSPLASH. SEE DETAIL 6/A505B. PROVIDE INTEGRAL SIDE SPLASH WHERE COUNTER ABUTS PERPENDICULAR WALL/CABINET.

06.10 SOLID SURFACE INTEGRAL SINK. BASIS OF DESIGN: CORIAN, MODEL 810L WITH OFFSET DRAIN. COLOR: GLACIER WHITE. ALSO SEE PLUMBING DWGS.

06.16 24" W X 9" D X 2" THICK WALL MOUNTED PLASTIC LAMINATE SHELF FOR SVANNER AND LABLE PRINTERS. PROVIDE TWO IN-WALL BRACKETS PER DETAIL 5/A505B.

06.25 PLASTIC LAMINATE LOCKERS, 18"W X 18"D X 72"H (2-TIER). PROVIDE P-LAM CLOSER PANEL TO CEILING ABOVE AND 6" HIGH BASE. COORDINATE WITH OWNER FOR NUMBERING. 5% OF THE LOCKERS TO BE ADA ACCESSIBLE.

06.40 42" W X 20" D SOLID HARDWOOD ADA BENCH WITH FULL BULLNOSE EDGE. TOP OF BENCH TO BE AT 18" AFF. PROVIDE IN-WALL BRACKETS TO SUPPORT BENCH. SEE DETAIL 11/A506B. STAIN WOOD TO MATCH P-LAM.

06.41 1'-6" WIDE X 6'-0" HIGH MIRROR WITH 1.5" WIDE X 1" THICK SOLID WOOD TRIM ALL AROUND. STAIN WOOD TO MATCH P-LAM.

06.46 3-FORM READY TO GO PARTITION. BASIS OF DESIGN 3 FORM, MODEL # 200.25 SIMPLE SPEC. SEE FINISH SCHEDULE.

08.03 SLIDING BARN DOOR. BASIS OF DESIGN: AD SYSTEMS. SEE DOOR SCHEDULE. SEE DETAILS ON SHEET A504A.

09.04 INSTALL NEW/ADDITIONAL (FLOOR TO DECK) 5/8" THICK, TYPE 'X' GYPSUM BOARD ON THIS SIDE OF THE ROOM AFTER ALL IN-WALL M/E/P WORK IS COMPLETE. EXTEND FRAMING TO UNDERSIDE OF DECK. PAINT WALL PER FINISH SCHEDULE.

09.06 UPGRADE EXISTING WALL TO WALL TYPE INDICATED.

09.46 FURRING WALLS AT COLUMN TO BE AS TIGHT AS POSSIBLE. DESIGN TEAM COULD NOT FIELD VERIFY ITEMS INSIDE EXISTING COLUMN FURRING.

10.06 SHARPS DISPOSAL. OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT. COORDINATE EXACT LOCATION WITH OWNER.

10.07 GLOVES DISPENSER. OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT. COORDINATE EXACT LOCATION WITH OWNER.

10.11 GRAB BARS. SEE SPECIFICATIONS. PROVIDE 'TYPE 1' METAL STUD BACKING PER DETAIL 5/A502A. SEE SHEET G003 FOR MOUNTING HEIGHTS.

10.23 FULLY RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER. SEE DETAIL 9/A502A

10.24 WALL MOUNTED STAINLESS STEEL SHELF, 16" W X 10"D, POLISHED STAINLESS STEEL SHELF WITH BULLNOSE EDGE. BASIS OF DESIGN AMGOOD SUPPLY: AMG WS-1016.

11.01 UNDER COUNTER BLANKET WARMER. OFCI. SEE ELECTRICAL DRAWINGS.

11.08 WALL MOUNTED NURSE CHARTING STATION. SEE DETAIL 13/A502A FOR BACKING REQUIREMENTS. ALSO SEE ELECTRICAL DRAWINGS FOR POWER AND DATA.

11.52 RADIOLOGY READING DESK. PROVIDED AND INSTALLED BY OWNERS VENDOR REDRICK. COORINATE WITH REDRICK FOR SIZE AND ELECTRICAL REQUIREMENTS.

11.53 ULTRASOUND MACHINE. OFCI. SEE ELECTRICAL DRAWINGS.

11.54 TREATMENT STRETCHER. OFCI. SEE ELECTRICAL DRAWINGS.

11.55 MAYO STAND. OFOI.

11.56 SUPPLY CART. OFOI.

12.01 FURNITURE, TO BE PROVIDED AND INSTALLED BY OWNERS VENDOR (MIDWEST COMMERCIAL INTERIORS - MWCI)

12.08 PRIVACY CURTAIN AND TRACK. OFCI. SEE FINISH SCHEDULE AND PROJECT MANUAL. SEE DETAIL 14/A503A.

22.01 WATER CLOSET, FLOOR MOUNTED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC. SEE PLUMBING DRAWINGS.

22.02 HAND WASH SINK, WALL MOUNTED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC. SEE PLUMBING DRAWINGS.

22.15 WALL MOUNTED MED GASES. SEE MED GAS/PLUMBING DRAWINGS AND INTERIOR ELEVATIONS.

22.18 MED GAS SHUT OFF VALVE. SEE MED GAS DRAWINGS.

26.01 NURSE CALL/CODE BLUE. SEE ELECTRICAL DRAWINGS.

26.14 PROXIMITY CARD READER FOR DOOR ACCESS CONTROL SYSTEM. SEE DOOR HARDWARE SCHEDULE AND ELECTRICAL DRAWINGS.

26.15 PUSH PAD/WAVE SENSOR FOR AUTO DOOR ACTIVATION. SEE ELECTRICAL DRAWINGS.

26.28 REMOVE AND REINSTALL MAGNETIC HOLD OPEN TO INSTALL NEW GYPSUM BOARD.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A505A FOR CABINET LEGEND.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A602A FOR WINDOW SCHEDULE.
E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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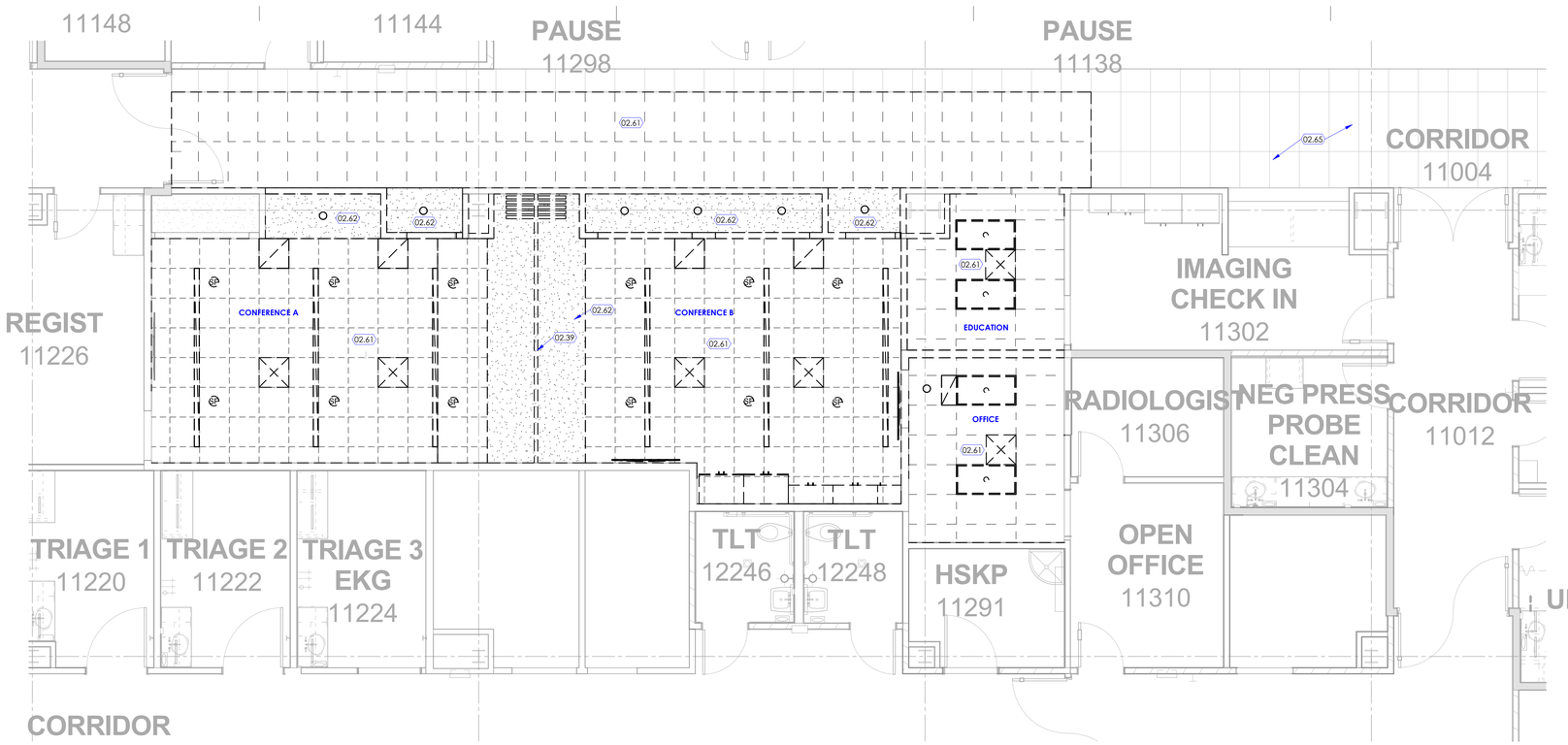
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Construction Documents Aug 1, 2025

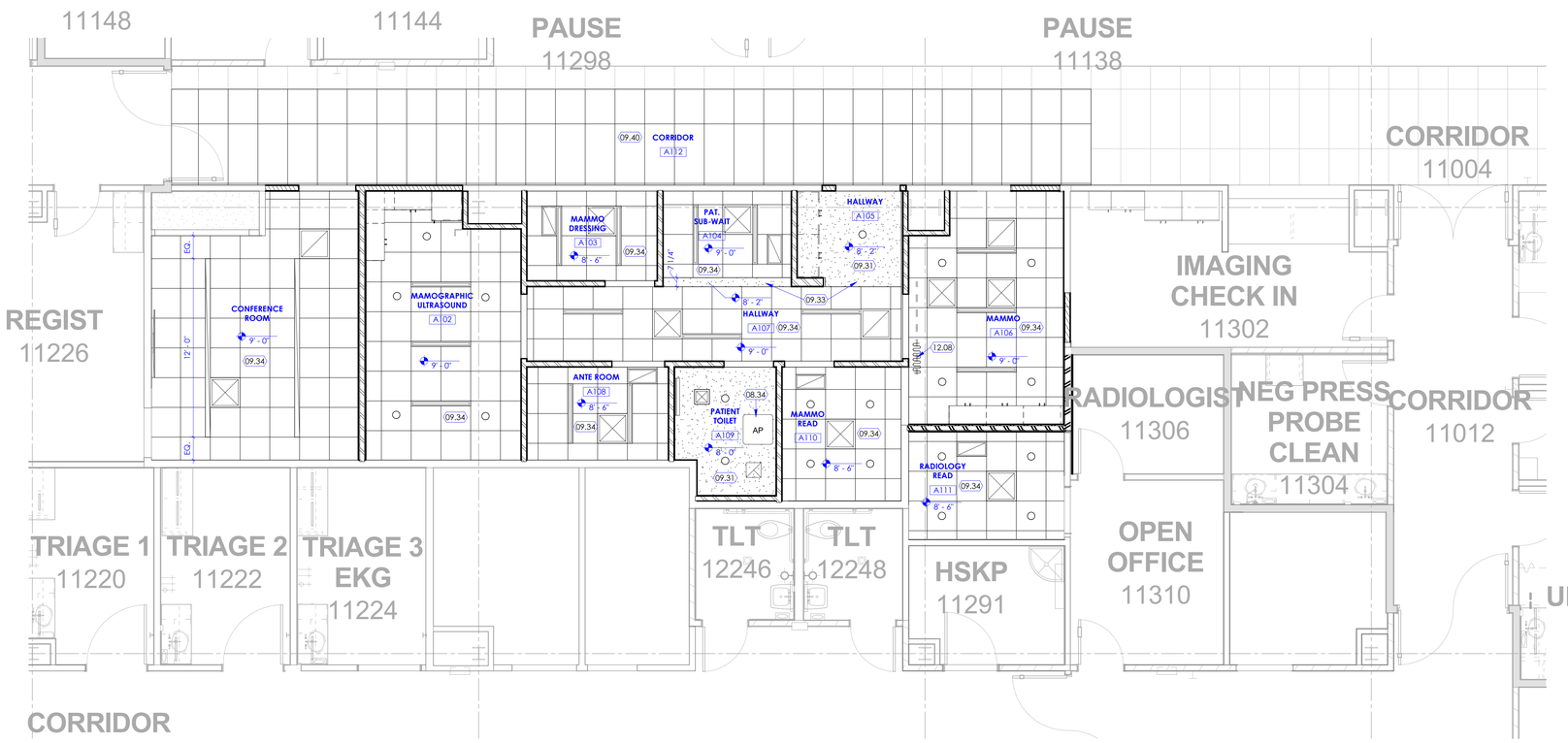
Demolition & Floor Plan Level 1

A111



1 Demolition Ceiling Plan Level 1
SCALE: 1/4" = 1'-0"

NORTH



2 Reflected Ceiling Plan Level 1
SCALE: 1/4" = 1'-0"

NORTH

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KEYED NOTES

02.39 COMPLETELEY REMOVE OPERABLE PANEL PARTION, INCLUDING ITS SUPPORT STRUCTURE, OVERHEAD BEAMS AND ALL ASSOCIATED ACCESSORIES.

02.61 REMOVE EXISTING CEILING TILES AND GRIDS, LIGHT FIXTURES, HVAC DIFFUSERS, SPEAKERS AND OTHER CEILING MOUNTED ITEMS. REFER TO M/E/P DRAWINGS. SALVAGE CEILING TILES, LIGHT FIXTURES AND HVAC GRILLS AND RETURN TO OWNER.

02.62 REMOVE EXISTING GYPSUM BOARD SOFFIT/CEILING AND FRAMING SYSTEM, INCLUDING ALL EXISTING LIGHT FIXTURES, HVAC DIFFUSERS, SPEAKERS AND OTHER CEILING MOUNTED ITEMS. REFER TO M/E/P DRAWINGS.

02.65 REMOVE EXISTING CEILING TILES AND GRIDS, LIGHT FIXTURES, HVAC DIFFUSERS, ETC., AS REQUIRED FOR ANY ABOVE CEILING M/E/P WORK. RE-INSTALL AFTER ALL ABOVE CEILING WORK IS COMPLETE. REPLACE TO MATCH EXISTING IF DAMAGED DURING CONSTRUCTION.

08.34 24" X 24" GFRG ACCESS PANELS. BASIS OF DESIGN: STEALTH CEILING DROP-IN PANELS. MODEL NUMBER AP-DR2424. ROUGH OPENING PER MFR. COORDINATE LOCATION OF ACCESS PANELS WITH M/E/P.

09.31 GYPSUM BOARD CEILING. SEE DETAIL 10/A503A. SEE M/E/P DRAWINGS FOR LIGHTS AND DIFFUSERS.

09.33 GYPSUM BOARD HEADER. SEE DETAIL 6/A503A.

09.34 ACOUSTIC CEILING TILES AND GRIDS. CEILING TILES TO BE ARMSTRONG ULTIMA HEALTH ZONE (ITEM # 1935) 24" X 24" X 3/4" EDGE DETAIL: SQUARE LAY-IN. GRIDS SHALL BE 15/16" PRELUDE XL EXPOSED TEE HEAVY DUTY. ANGLE MOLDING SHALL BE 7/8" WITH BERC 2 CLIPS. SEE CEILING DETAILS ON SHEET A503A. SEE M/E/P DRAWINGS FOR LIGHTS AND DIFFUSERS.

09.40 NEW 2X4 CEILING TILES AND GRIDS TO MATCH ADJACENT EXISTING.SEE M/E/P DRAWINGS FOR LIGHTS AND DIFFUSERS.

12.08 PRIVACY CURTAIN AND TRACK, OFCI. SEE FINISH SCHEDULE AND PROJECT MANUAL. SEE DETAIL 14/A503A.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A505A FOR CABINET LEGEND.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A602A FOR WINDOW SCHEDULE.
E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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Demolition & Reflected Ceiling Plan Level 1

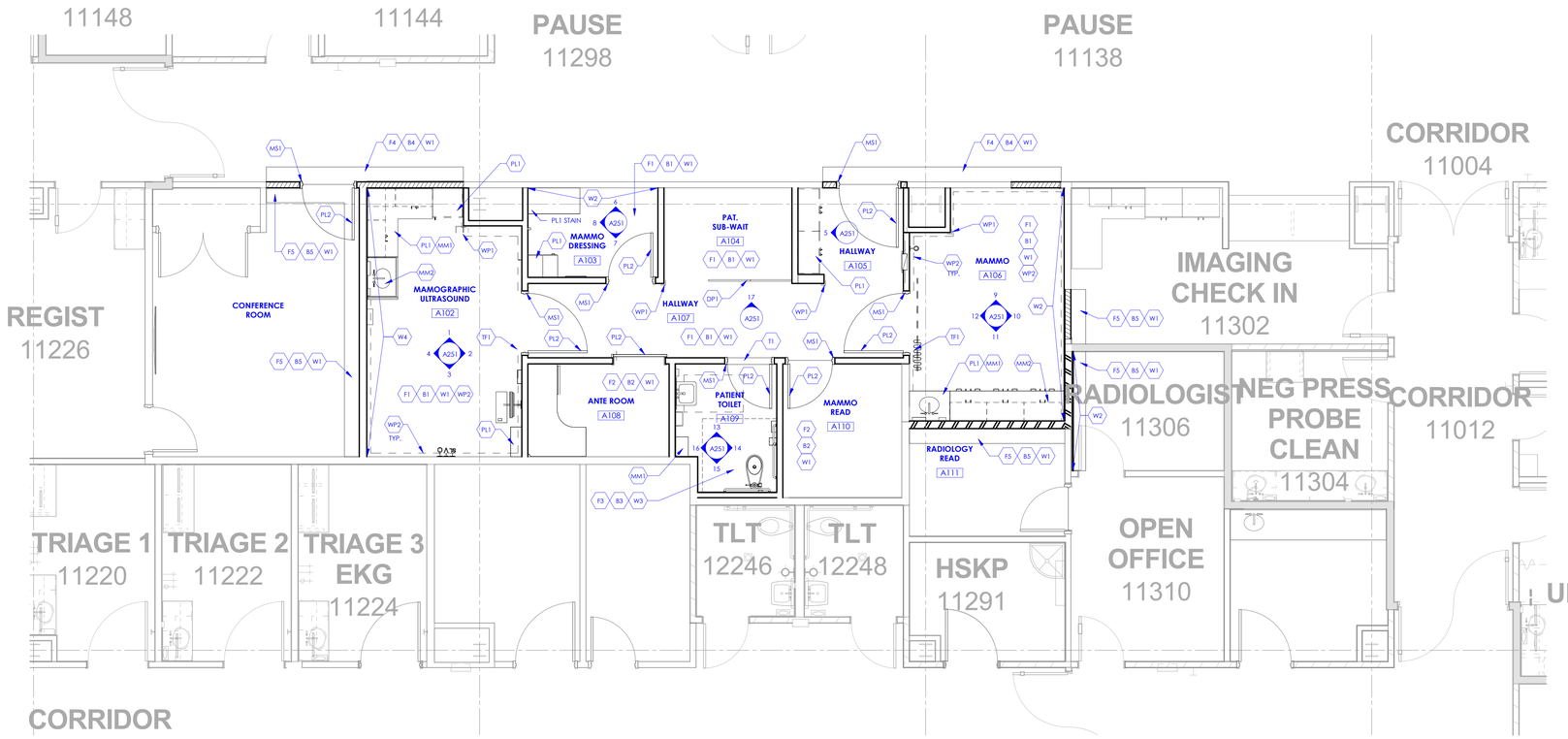
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FINISH SCHEDULE

TAG	FINISH TYPE	SIZE	MATERIAL DESCRIPTION	MANUFACTURER	STYLE	MODEL #	COLOR	COMMENTS
F1	FLOOR FINISH		SHEET VINYL	TARKETT	IQ OPTIMA	0807	DARK SAND	-
F2	FLOOR FINISH	18" X 36"	CARPET TILE	SHAW CONTRACT	STIPPLE TILE	5T116-1385	SLATE	2
F3	FLOOR FINISH	12" X 12"	PORCELAIN TILE	CROSSVILLE	NOTORIOUS	NTR05	LEADING MAN	3, 4
F4	FLOOR FINISH		TERRAZZO - MATCH EXISTING	FINN - WALL SPECIALTIES	POURED	-	INTELLECTUAL GREY (CUSTOM)	10
F5	FLOOR FINISH		CARPET TILE - EXISTING TO REMAIN	SHAW CONTRACT	-	-	-	10
B1	WALL BASE	4" HIGH	COVED SHEET VINYL	TARKETT	IQ OPTIMA	0807	DARK SAND	6
B2	WALL BASE	4" HIGH	RUBBER BASE	TARKETT	JOHNSONITE BASEWORKS	121	CEMENT	-
B3	WALL BASE	6" HIGH	PORCELAIN TILE	CROSSVILLE	NOTORIOUS	NTR05	LEADING MAN	3, 4
B4	WALL BASE	4" HIGH	TERRAZZO BASE - MATCH EXISTING	FINN - WALL SPECIALTIES	-	-	INTELLECTUAL GREY (CUSTOM)	10
B5	WALL BASE	4" HIGH	CARPET BASE - MATCH EXISTING	SHAW CONTRACT	DESIGN SERIES V 30	5A032	-	10, 11
W1	WALL FINISH		PAINT	SHERWIN WILLIAMS	EGGSHELL FINISH	SW 7005	PURE WHITE	-
W2	WALL FINISH		PAINT - ACCENT 1	SHERWIN WILLIAMS	EGGSHELL FINISH	SW 0023	PEWTER TANKARD	-
W3	WALL FINISH	12" X 24"	PORCELAIN TILE	CROSSVILLE	NOTORIOUS	NTR01	FEMME FATALE	3, 5
W4	WALL FINISH		PAINT - ACCENT 2	SHERWIN WILLIAMS	EGGSHELL FINISH	SW 6243	DISTANCE	-
MS1	MISC. SURFACE FINISH		PAINTED HOLLOW METAL DOOR FRAME	SHERWIN WILLIAMS	SEMI-GLOSS FINISH	SW 7005	PURE WHITE	-
PL1	PLASTIC LAMINATE FINISH		PLASTIC LAMINATE SHEET OVER SUBSTRATE	WILSONART	LINEARITY FINISH	7970K-18	HIGH LINE	-
PL2	PLASTIC LAMINATE FINISH		PLASTIC LAMINATE DOOR	ARBORITE	STANDARD HPL FINISH	W465-LE	MOCHA MODERN CHERRY	-
MM1	MONOLITHIC MATERIAL		SOLID SURFACE	CORIAN SOLID SURFACE	-	-	WHITE JASMINE	-
MM2	MONOLITHIC MATERIAL		SOLID SURFACE INTEGRAL SINK WITH OFFSET DRAIN	CORIAN SOLID SURFACE	LAVATORY	810L	GLACIER WHITE	-
WP1	WALL PROTECTION	2" LEGS	CORNER GURAD WITH ALUMINUM RETAINER	CONSTRUCTION SPECIALTIES	ACROVYN	SSM-20AN	262 DRIFTWOOD	8
WP2	WALL PROTECTION	0.060" THICKNESS	WAINSCOT PANEL	CONSTRUCTION SPECIALTIES	ACROVYN	-	262 DRIFTWOOD	9
DP1	DECORATIVE PANEL		RESIN PANEL WITH CEILING AND FLOOR MOUNTS	3FORM	FRAMELESS TOP AND BOTTOM CHANNELS PARTITION	200.25	KNOTTED HEMP WHEATEN	-
T1	THRESHOLD		QUATZ THRESHOLD	CAESARSTONE	-	4003	SLEEK CONCRETE	-
TF1	TEXTILES (FABRICS)		CUBICLE CURTAIN AND TRACK	CONSTRUCTION SPECIALTIES	ON THE RIGHT TRACK	-	-	1

COMMENTS

1. CUBICLE CURTAIN AND TRACK TO BE O.F.C.I.
2. CARPET TILE TO BE INSTALLED IN AN ASHLAR JOINT PATTERN.
3. CONTRACTOR TO USE AVAILABLE ATTIC STOCK TILE BEFORE ORDERING NEW. TILE TO BE INSTALLED IN A SQUARE JOINT PATTERN.
4. GROUT TO BE MAPEI #47 CHARCOAL OR SIMILAR. FLOOR TILE GROUT TO BE EPOXY TYPE.
5. GROUT TO BE MAPEI #93 WARM GRAY OR SIMILAR.
6. TOP EDGE OF COVED BASE TO BE FINISHED WITH AN EXTRUDED ALUMINUM TRIM CAP.
7. ALL HOLLOW METAL DOOR FRAMES IN THIS PROJECT TO BE PAINTED WITH "MS1" FINISH UNLESS OTHERWISE NOTED.
8. CORNER GUARDS TO SPAN FROM TOP OF WALL BASE TO 3'-6" A.F.F. AND ALIGN WITH WAINSCOT PANEL WHERE OCCURS.
9. WAINSCOT PANELS TO SPAN FROM TOP OF WALL BASE TO 3'-6" A.F.F. AND ALIGH WITH CORNER GUARDS WHERE OCCURS.
10. PATCH AND REPAIR EXISTING FINISHES WHERE NECESSARY. MATCH EXISTING FINISH STYLE AND COLOR.
11. CONTRACTOR TO FIELD VERIFY CARPET BASE COLOR TO MATCH EXISITNG. TOP EDGE OF CARPET BASE TO BE FINISHED AND BOUND WITH A COORDINATING COLOR OF FABRIC.



1 Finish Floor Plan Level 1
SCALE: 1/4" = 1'-0"

NORTH

KEYED NOTES

GENERAL NOTES - FINISH SCHEDULE

A. BASIS-OF-DESIGN FOR FINISHES: FINISHES INDICATED ON THE FINISH SCHEDULE ARE BASED ON THE NAMED MANUFACTURER AND THEIR PRODUCTS, SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY ONE OF THE APPROVED MANUFACTURERS LISTED IN THE PROJECT MANUAL. SEE RELEVANT SPECIFICATION SECTION.

B. SEE "SAMPLE LAYOUTS" INDICATED ON FINISH PLANS FOR CLARIFICATION ON HOW DIFFERENT TYPES OF REQUIRED FINISHES ARE INDICATED WITH FINISH TAGS FOR FLOORS, WALLS, MISCELLANEOUS SURFACE, ETC. SEE FINISH FLOOR PLANS FOR REQUIRED FINISHES (INDICATED WITH FINISH TAGS SUCH AS F1, B1, W1, ETC.).

C. LINE OF TRANSITION BETWEEN DIFFERENT TYPES OF FLOOR COVERING IS INDICATED ON THE FINISH FLOOR PLANS. IN PLACES WHERE TWO DIFFERENT FLOOR COVERING ABUTS EACH OTHER, CONTRACTOR SHALL FOLLOW THE RELEVANT APPLICABLE "FLOOR COVERING TRANSITION DETAILS" INDICATED IN THIS CONSTRUCTION DOCUMENTS. WHERE TWO ROOMS ARE REQUIRED TO HAVE DIFFERENT FLOOR COVERINGS, LINE OF TRANSITION SHALL TYPICALLY OCCUR BELOW THE CENTER OF THE DOOR (LOCATED BETWEEN THE TWO ROOMS). AS THESE TRANSITION LINES ARE NOT INDICATED BELOW THE DOOR ON THE FINISH FLOOR PLANS, CONTRACTOR SHALL PROVIDE METAL TRANSITION STRIP (MANUFACTURED BY SCHLUTER OR EQUIVALENT) AS REQUIRED. AT EXTERIOR DOORS, PROVIDE ALUMINUM THRESHOLD MATCHING THE DOORWAY. FOR REMODEL PROJECTS, COORDINATE WITH DEMOLITION FLOOR PLAN AND NEW FLOOR PLAN TO DETERMINE WHERE NEW ABUTS EXISTING FLOOR COVERING THAT IS SCHEDULED TO REMAIN.

D. LINE OF TRANSITION BETWEEN DIFFERENT TYPES OF WALL FINISH IS INDICATED ON THE INTERIOR ELEVATIONS AND FINISH FLOOR PLANS. FOR REQUIRED WALL PROTECTION TYPE (INDICATED WITH TAG WP1, WP2, ETC.), ON WALLS, COORDINATE WITH FINISH FLOOR PLANS AND INTERIOR ELEVATIONS.

E. THERE ARE MISCELLANEOUS SURFACES THAT ARE EXPOSED AND WILL REQUIRE A FINISH. SUCH MISCELLANEOUS SURFACES ARE INDICATED IN THE DRAWINGS WITH FINISH TAGS SUCH AS MS1, MS2, ETC.

F. PAINT ALL EXPOSED VISIBLE ITEMS SUCH AS METAL DECK, STEEL ANGLES, STEEL BEAMS, STEEL TRUSSES, MISC. STEEL ITEMS, PIPES, CONDUITS, ETC. UNLESS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED, OR IF NATURAL FINISH IS REQUIRED. PAINT SURFACES USING FIELD COLORS AND ACCENT COLORS SPECIFIED BY THE ARCHITECT. DO NOT PAINT CONCEALED SURFACES, FINISHED METAL SURFACES, OPERATING PARTS, AND PRE-FINISHED ITEMS. VERIFY PAINTING SURFACE (SUCH AS STEEL, CONCRETE, MASONRY, GYPSUM BOARD, WOOD, ETC.) AND USE THE APPROPRIATE PAINT AND METHOD INDICATED IN THE PROJECT MANUAL UNDER RELEVANT SPECIFICATION SECTION. ALL HOLLOW METAL DOOR AND WINDOW FRAMES SHALL BE PAINTED. USE SEMI-GLOSS FINISH ON DOOR FRAMES.

G. IN ROOMS AND AREAS WHERE GYPSUM BOARD CEILING IS INDICATED, PAINT CEILING WITH THE SAME COLOR AND TYPE AS ADJACENT WALLS. IN WET ROOMS (LIKE RESTROOM, KITCHEN, ETC.) WHERE EPOXY PAINT IS INDICATED AS A REQUIREMENT ON WALLS, PAINT CEILINGS AND SOFFITS WITH EPOXY TYPE PAINT. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED. COORDINATE ACCENT COLOR LOCATIONS WITH ARCHITECT WHEREVER INDICATED.

H. SEE INTERIOR ELEVATIONS FOR PLASTIC LAMINATE FINISHES OVER CABINETS, COUNTERTOPS, WALLS, ETC. PLASTIC LAMINATE FINISHES ARE INDICATED AS PL1, PL2, ETC. COUNTERTOPS THAT ARE MONOLITHIC MATERIAL (SUCH AS SOLID SURFACE, QUARTZ, ETC. AND NOT PLASTIC LAMINATE WRAPPED), ARE INDICATED AS MM1, MM2, ETC.

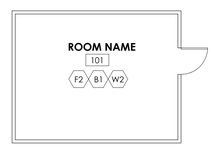
I. WHERE PORCELAIN AND/OR CERAMIC TILE FINISHES ARE INDICATED, PROVIDE METAL EDGE STRIPS (MANUFACTURED BY SCHLUTER OR EQUIVALENT) AT ALL OUTSIDE VERTICAL CORNERS AND TOP OF WAINSCOT.

J. IN ROOMS AND AREAS (SUCH AS TOILET ROOMS, SHOWERS, ETC.) WHERE CERAMIC OR PORCELAIN TILES ARE INDICATED FOR WALL AND FLOOR FINISH, INSTALL BOTTOM ROW OF WALL TILE FIRST PER DETAIL 1/A603B. PROVIDE QUARTZ THRESHOLD AT DOORS TO TOILET ROOMS THAT ARE USED BY MULTIPLE USERS. SEE DETAILS 3 & 4 SHEET A603B.

K. WHERE GYPSUM BOARD WALL ABUTS MASONRY WALL, PROVIDE REVEAL AS PER DETAIL 2/A603B.

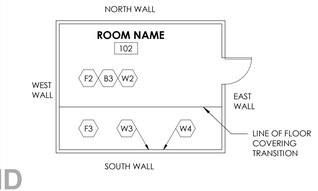
SAMPLE LAYOUTS

SAMPLE LAYOUT 1



NOTE: AS INDICATED IN ROOM NUMBER 101, MAJORITY OF THE ROOMS IN THE PROJECT SHALL HAVE A SINGLE TYPE OF FLOOR FINISH, WALL BASE AND WALL FINISH. WALL FINISH INDICATED AS "W2" SHALL APPLY TO ALL FOUR WALLS FROM FLOOR TO CEILING.

SAMPLE LAYOUT 2



NOTE: AS INDICATED IN ROOM NUMBER 102, SOME ROOMS SHALL HAVE MULTIPLE FLOOR AND WALL FINISHES. SEE GENERAL NOTE "C" ON SHEET A603A FOR FLOOR COVERING TRANSITIONS. THE WALL FINISH INDICATED AS "W2" IN THE ROOM (WITHOUT AN ARROW POINTING TO ANY SPECIFIC WALL) SHALL APPLY TO THE WEST, NORTH AND EAST WALL. WHERE WALL FINISHES ARE INDICATED WITH AN ARROW POINTING TO THE SOUTH SIDE, WALL SHALL HAVE MULTIPLE FINISHES SUCH AS "W3" AND "W4". SEE INTERIOR ELEVATIONS FOR TRANSITION DETAILS BETWEEN "W3" AND "W4".

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A505A FOR CABINET LEGEND.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A602A FOR WINDOW SCHEDULE.
E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
8/1/2025
LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

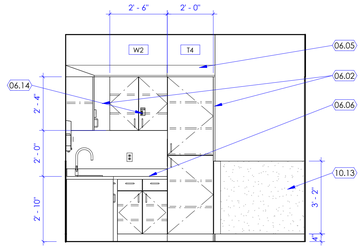
201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

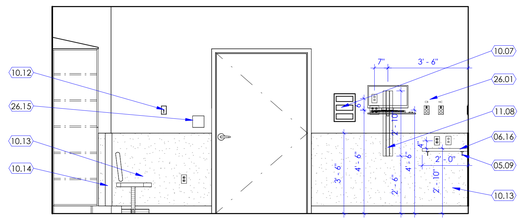
Finish Plan & Finish Schedule Level 1

A117

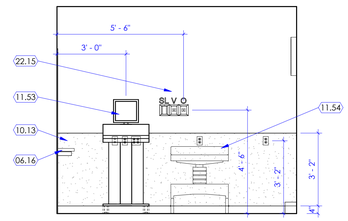
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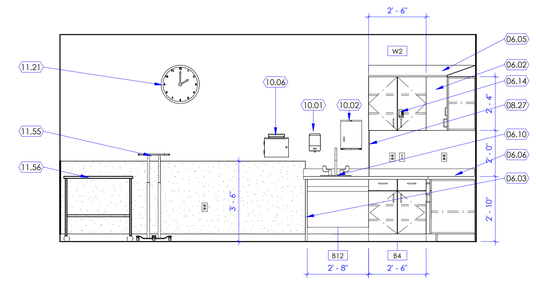
1 Mammographic Ultrasound
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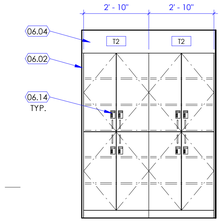
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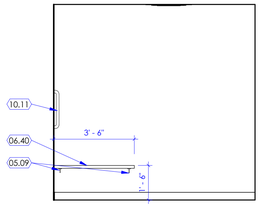
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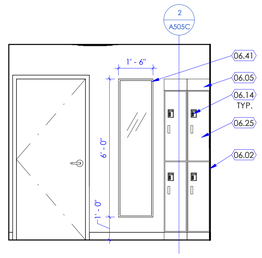
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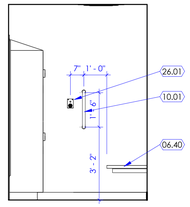
5 Hallway
SCALE: 3/8" = 1'-0"



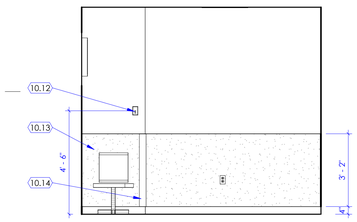
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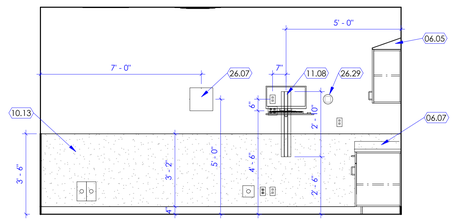
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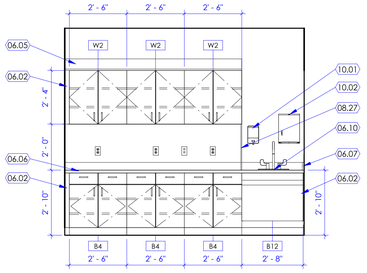
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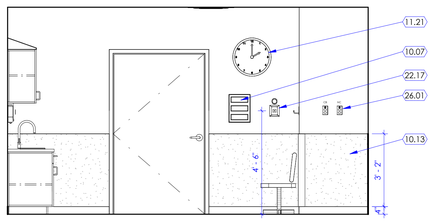
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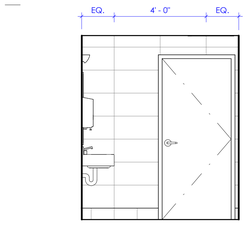
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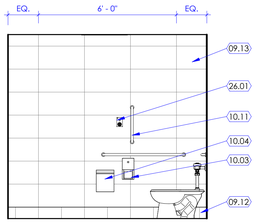
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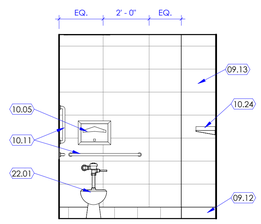
12 Mammo
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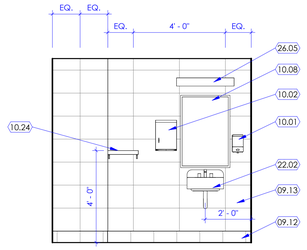
13 Patient Toilet
SCALE: 3/8" = 1'-0"



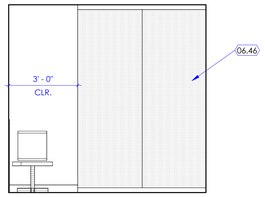
14 Patient Toilet
SCALE: 3/8" = 1'-0"



15 Patient Toilet
SCALE: 3/8" = 1'-0"



16 Patient Toilet
SCALE: 3/8" = 1'-0"



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

KEYED NOTES

05.09 IN-WALL STEEL ANGLE SUPPORTS FOR COUNTERTOP WHERE KNEE SPACE OCCURS BELOW. LOCATE COUNTER SUPPORTS AT 3'-0" O.C. MAX. SEE DETAIL 5/A505B. PAINT TO MATCH WALL COLOR. PROVIDE 16 GA STUDS AT COUNTERTOP SUPPORT, TYPICAL.

06.02 FILLER PANEL, PLASTIC LAMINATE WRAPPED OVER 3/4" PARTICLE BOARD. PROVIDE FILLER PANEL BETWEEN CABINETS AND BETWEEN CABINET AND WALL, TYPICAL.

06.03 3/4" THICK PLASTIC LAMINATE END PANEL.

06.04 P-LAM CLOSER PANEL TO CEILING ABOVE. SEE DETAIL 2/A505B.

06.05 P-LAM SLOPED DUST TOP. SEE DETAILS 1/A505B AND 2/A505B.

06.06 SOLID SURFACE COUNTER WITH FULL BULLNOSE EDGE AND INTEGRAL BACKSPLASH. SEE DETAIL 6/A505B. PROVIDE INTEGRAL SIDE SPLASH WHERE COUNTER ABUTS PERPENDICULAR WALL/CABINET.

06.07 PROVIDE SOLID SURFACE INTEGRAL SIDE SPLASH WHERE COUNTER ABUTS PERPENDICULAR WALL/ CABINET.

06.10 SOLID SURFACE INTEGRAL SINK, BASIS OF DESIGN: CORIAN, MODEL 810L WITH OFFSET DRAIN. COLOR: GLACIER WHITE. ALSO SEE PLUMBING DWGS.

06.14 PROVIDE KEYLESS SECURITY LOCK AT CABINET. BASIS OF DESIGN: KIT - LOCK KL 1000 BY CODELOCKS.

06.16 24" W X 9" D X 2" THICK WALL MOUNTED PLASTIC LAMINATE SHELF FOR SVANNER AND LABLE PRINTERS. PROVIDE TWO IN-WALL BRACKETS PER DETAIL 5/A505B.

06.25 PLASTIC LAMINATE LOCKERS, 18"W X 18"D X 72"H (2-TIER). PROVIDE P-LAM CLOSER PANEL TO CEILING ABOVE AND 6" HIGH BASE..COORDINATE WITH OWNER FOR NUMBERING. 5% OF THE LOCKERS TO BE ADA ACCESSIBLE.

06.40 42" W X 20" D SOLID HARDWOOD ADA BENCH WITH FULL BULLNOSE EDGE. TOP OF BENCH TO BE AT 18" AFF. PROVIDE IN-WALL BRACKETS TO SUPPORT BENCH. SEE DETAIL 11/A506B. STAIN WOOD TO MATCH P-LAM.

06.41 1'-6" WIDE X 6'-0" HIGH MIRROR WITH 1.5" WIDE X 1" THICK SOLID WOOD TRIM ALL AROUND. STAIN WOOD TO MATCH P-LAM.

06.46 3-FORM READY TO GO PARTITION. BASIS OF DESIGN 3 FORM. MODEL # 200.25 SIMPLE SPEC. SEE FINISH SCHEDULE.

08.27 GLASS PARTITION BETWEEN DIRTY AND CLEAN SIDE. GLASS TO BE 1/2" THICK X DEPTH OF COUNTERTOP. GLASS TO SPAN FROM TOP OF COUNTERTOP TO BOTTOM OF UPPER/WALL CABINET UNO. PROVIDE 3" RADIUSED EDGE ON THE EXPOSED EDGE. PROVIDE POLISHED EDGES AT ALL/TWO EXPOSED EDGES. PROVIDE 1/2" X 1/2" X CONT. STAINLESS STEEL RECEIVING CHANNEL TO HOLD THE GLASS IN PLACE. CUT COUNTER BACKSPLASH TO ANCHOR GLASS TO WALL BEHIND.

09.12 6" HIGH TILE BASE, BULLNOSE AND COVED. SEE FINISH FLOOR PLANS AND SCHEDULE.

09.13 WALL TILE. SEE FINISH FLOOR PLAN. PROVIDE 5/8" THICK CEMENT BOARD BEHIND WALL TILES, TYPICAL.

10.01 SOAP DISPENSER, OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT.

10.02 PAPER TOWEL DISPENSER, OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT.

10.03 TOILET PAPER DISPENSER, OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT.

10.04 SANITARY NAPKIN DISPOSAL. SEE SPECIFICATIONS. SEE SHEET G003 FOR MOUNTING HEIGHT.

10.05 TOILET SEAT COVER DISPENSER. SEE SPECIFICATIONS. SEE SHEET G003 FOR MOUNTING HEIGHT.

10.06 SHARPS DISPOSAL, OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT. COORDINATE EXACT LOCATION WITH OWNER.

10.07 GLOVES DISPENSER, OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT. COORDINATE EXACT LOCATION WITH OWNER.

10.08 MIRROR, 24 INCHES WIDE X 36" HIGH. SEE SPECIFICATIONS. MOUNT MIRROR SUCH THAT THE REFLECTIVE SURFACE OF MIRROR IS NO MORE THAN 40 INCHES AFF. SEE SHEET G003 FOR MOUNTING HEIGHT.

10.11 GRAB BARS. SEE SPECIFICATIONS. PROVIDE 'TYPE 1' METAL STUD BACKING PER DETAIL 5/A502A. SEE SHEET G003 FOR MOUNTING HEIGHTS.

10.12 ROBE HOOK. BASIS OF DESIGN BOBRICK B-7672 DOUBLE ROBE HOOK. PROVIDE TYPE 1 BACKING PER DETAIL 5/A502A.

10.13 WALL PROTECTION WAINSCOT, 0.06 INCH THICK. TOP OF WAINSCOT TO ALIGN WITH TOP OF CORNER GUARD WHERE OCCURS. SEE FINISH PLAN AND SCHEDULE.

10.14 CORNER GUARD, 2" X 2" X 4'-0". SEE FINISH SCHEDULE. SEE DETAIL 11/A601B. TOP OF CORNER GUARD TO ALIGN WITH TOP OF WALL PROTECTION WAINSCOT. TYP.

10.24 WALL MOUNTED STAINLESS STEEL SHELF, 16" W X 10"D, POLISHED STAINLESS STEEL SHELF WITH BULLNOSE EDGE. BASIS OF DESIGN AMGOOD SUPPLY; AMG WS-1016.

11.08 WALL MOUNTED NURSE CHARTING STATION. SEE DETAIL 13/A502A FOR BACKING REQUIREMENTS. ALSO SEE ELECTRICAL DRAWINGS FOR POWER AND DATA.

11.21 WALL MOUNTED CLOCK, OFCI.

11.53 ULTRASOUND MACHINE, OFCI. SEE ELECTRICAL DRAWINGS.

11.54 TREATMENT STRETCHER, OFCI. SEE ELECTRICAL DRAWINGS.

11.55 MAYO STAND, OFOI.

11.56 SUPPLY CART, OFOI.

22.01 WATER CLOSET, FLOOR MOUNTED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC. SEE PLUMBING DRAWINGS.

22.02 HAND WASH SINK, WALL MOUNTED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC. SEE PLUMBING DRAWINGS.

22.15 WALL MOUNTED MED GASES. SEE MED GAS/PLUMBING DRAWINGS AND INTERIOR ELEVATIONS.

22.17 MED GASES. SEE MED GAS/PLUMBING DRAWINGS.

26.01 NURSE CALL/CODE BLUE. SEE ELECTRICAL DRAWINGS.

26.05 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

26.07 FULLY RECESSED MAIN DISCONNECT PANEL. SEE ELECTRICAL DRAWINGS.

26.15 PUSH PAD/WAVE SENSOR FOR AUTO DOOR ACTIVATION. SEE ELECTRICAL DRAWINGS.

26.29 SHUNT TRIP. SEE ELECTRICAL DRAWINGS. COORDINATE EXACT LOCATION WITH HOLOGIC AND LOCAL CODES.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A505A FOR CABINET LEGEND.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A602A FOR WINDOW SCHEDULE.
E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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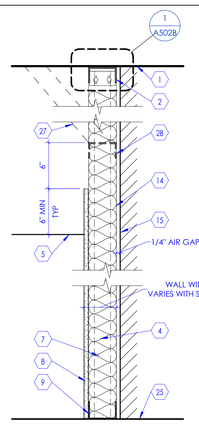
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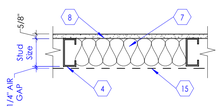
Interior Elevations

A251

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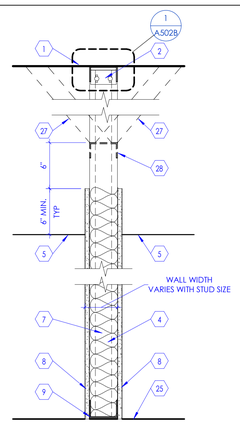


PLAN VIEW

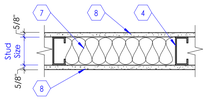
WALL TYPE	STUD SIZE	WALL WIDTH
A1	1 1/2"	2 1/8"
A2	2 1/2"	3 1/8"
A3	3 5/8"	4 1/4"
A6	6"	6 5/8"

Type - A

Metal Stud
Furring Wall



SECTION VIEW

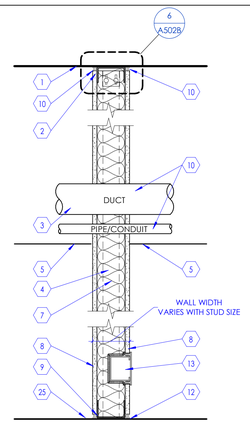


PLAN VIEW

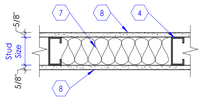
WALL TYPE	STUD SIZE	WALL WIDTH
B2	2 1/2"	3 3/4"
B3	3 5/8"	4 7/8"
B6	6"	7 1/4"

Type - B

Typical Metal
Stud Wall



SECTION VIEW



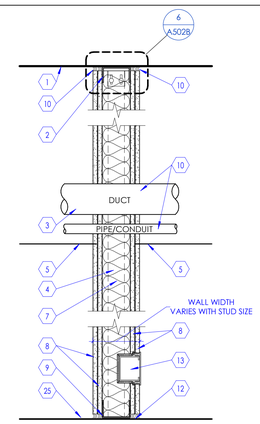
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
C3	3 5/8"	4 7/8"
C4	4"	5 1/4"
C6	6"	7 1/4"

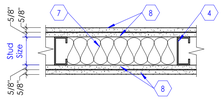
Type - C

1 Hour Fire Rated

UL DESIGN #: U465



SECTION VIEW



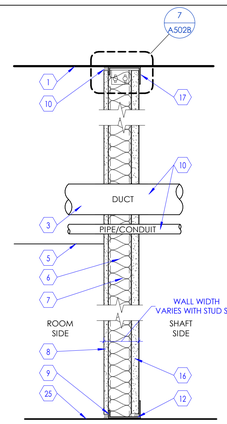
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
D3	3 5/8"	6 1/8"
D4	4"	6 1/2"
D6	6"	8 1/2"

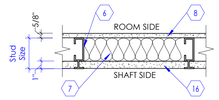
Type - D

2 Hour Fire Rated

UL DESIGN #: U411



SECTION VIEW



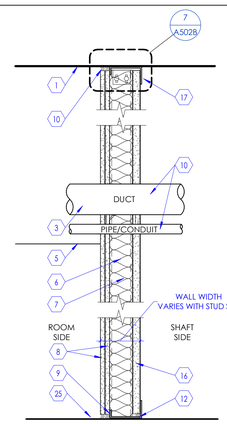
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
E2	2 1/2"	3 1/8"
E4	4"	4 5/8"
E6	6"	6 5/8"

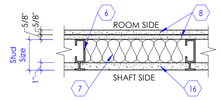
Type - E

1 Hour Fire Rated
Shaft Wall

UL DESIGN #: U415 SYS. A



SECTION VIEW



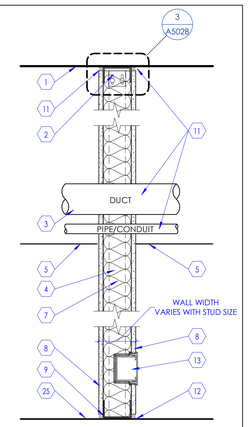
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
F4	4"	5 1/4"
F6	6"	7 1/4"

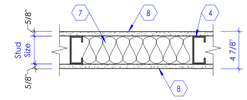
Type - F

2 Hour Fire Rated
Shaft Wall

UL DESIGN #: U415 SYS. A



SECTION VIEW

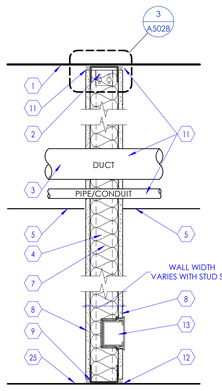


PLAN VIEW

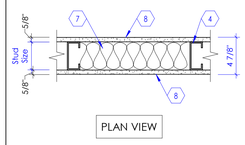
WALL TYPE	STUD SIZE	WALL WIDTH
G2	2 1/2"	3 3/4"
G3	3 5/8"	4 7/8"
G4	4"	5 1/4"
G6	6"	7 1/4"

Type - G

Smoke Partition



SECTION VIEW



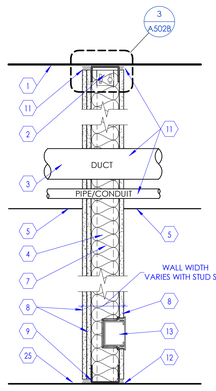
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
H3	3 5/8"	4 7/8"
H4	4"	5 1/4"
H6	6"	7 1/4"

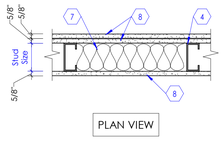
Type - H

Sound Barrier 40 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



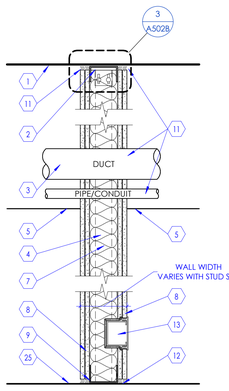
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
J3	3 5/8"	5 1/2"
J4	4"	5 7/8"
J6	6"	7 7/8"

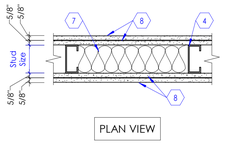
Type - J

Sound Barrier 45 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



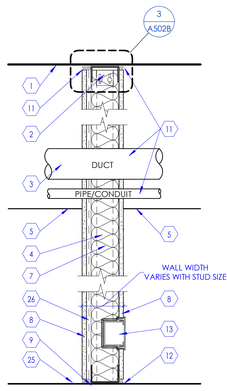
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
K3	3 5/8"	6 1/8"
K4	4"	6 1/2"
K6	6"	8 1/2"

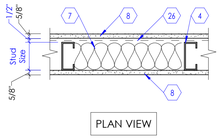
Type - K

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



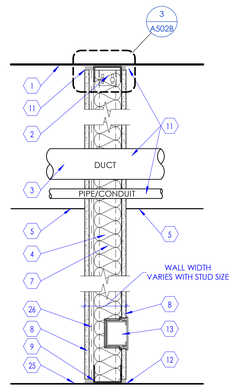
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
L3	3 5/8"	5 3/8"
L4	4"	5 3/4"
L6	6"	7 3/4"

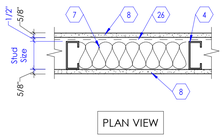
Type - L

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



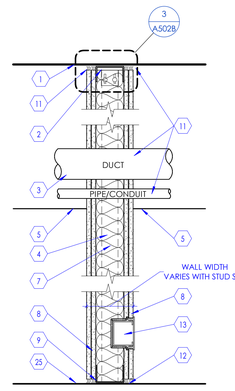
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
M3	3 5/8"	5 3/8"
M4	4"	5 3/4"
M6	6"	7 3/4"

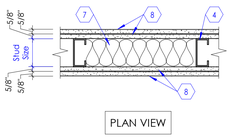
Type - M

1 Hour Fire Rated
Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



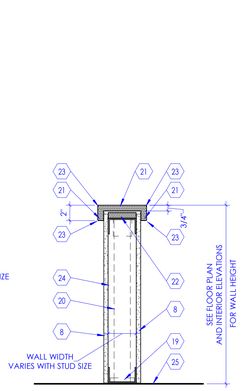
PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
N3	3 5/8"	6 1/8"
N4	4"	6 1/2"
N6	6"	8 1/2"

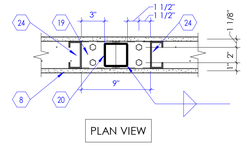
Type - N

2 Hour Fire Rated
Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



PLAN VIEW

WALL TYPE	STUD SIZE	WALL WIDTH
P3	3 5/8"	4 7/8"
P4	4"	5 1/4"
P6	6"	7 1/4"

Type - P

Partial Height Wall

1 Wall Types (Note: See dimension floor plans for locations of wall types used in this project. Some wall types shown above may not be used in this project.)

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

KEYED NOTE

1. LINE OF FLOOR OR ROOF DECK AS OCCURS.
2. TO ACCOMMODATE FOR STRUCTURE DEFLECTION, PROVIDE SLIP CONNECTION BETWEEN TOP RUNNER TRACK AND METAL STUD FRAMING. SEE DETAIL **9 / A502B**
3. STUD FRAMING AROUND DUCT OPENINGS. SEE DETAIL **11 / A502A**
4. METAL STUDS, 20 GA STRUCTURAL (33 MILS) AT 16" O.C. U.N.O. BASED ON WALL TYPES INDICATED IN FLOOR PLAN. PROVIDE STUD SIZE AS INDICATED IN WALL TYPES WITH TRACK RUNNERS AT TOP AND BOTTOM. FOR STUD FRAMING AROUND DOOR AND WINDOW OPENINGS, SEE DETAIL **11 / A502A**
5. LINE OF CEILING AS OCCURS. SEE REFLECTED CEILING PLAN.
6. STEEL STUDS, "C-H" SHAPED, 20 GA STRUCTURAL AT 24" O.C.
7. PROVIDE ACOUSTIC INSULATION BLANKET FOR FULL DEPTH OF THE STUD CAVITY THROUGHOUT, UNO. FOR 4" & 3 5/8" STUDS PROVIDE R-13 UNFACED BATT INSULATION AND FOR 6" STUDS PROVIDE R-19 UNFACED BATT INSULATION. PROVIDE KRAFT FACED INSULATION FOR ALL APPLICATIONS AT EXTERIOR WALLS.
8. GYPSUM BOARD, 5/8" THICK, TYPE 'X' , U.N.O, ATTACHED TO METAL STUD FRAMING. SEE GENERAL NOTE 'B' BELOW.
9. ANCHOR BASE TRACK TO CONCRETE FLOOR BELOW. SEE DETAIL **8 / A502A**
10. FILL GAP BETWEEN DECK AND METAL TRACK TOP RUNNER WITH FIRESTOP SEALANT. SEAL TIGHTLY AROUND ALL PIPES, CONDUITS, DUCTS, ETC., ON EACH SIDE OF THE FIRE BARRIER WALL (CONTINUOUS) WITH APPROVED FIRESTOP SEALANT INSTALLED AROUND ALL PENETRATIONS TO MAINTAIN THE INTEGRITY OF THE FIRE BARRIER.
11. FILL GAP BETWEEN DECK AND METAL TRACK TOP RUNNER WITH ACOUSTIC SEALANT. SEAL TIGHTLY AROUND ALL PIPES, CONDUITS, DUCTS, ETC., ON EACH SIDE OF THE WALL (CONTINUOUS) AND AROUND ALL PENETRATIONS TO MAINTAIN THE INTEGRITY OF THE WALL.
12. STOP GYPSUM BOARD 1/4" ABOVE THE FLOOR TYP. ON EACH SIDE OF WALL. PROVIDE ACOUSTIC SEALANT AT SOUND WALLS AND FIRESTOP SEALANT AT RATED WALLS ON EACH SIDE OF THE WALL (CONTINUOUS).
13. OUTLET BOX AS OCCURS. PROVIDE FIRE BARRIER MOLDABLE PUTTY PADS AND FIRESTOP SEALANT AROUND ELECTRICAL BOXES AT ALL RATED WALLS AND SOUND BARRIER WALLS AND AT BACK TO BACK ELECTRICAL BOXES AT SMOKE PARTITION WALLS, TYP.
14. PROVIDE STRAPPING AND BLOCKING AT FURRING WALL. SEE DETAIL **12 / A502A**
15. LINE INDICATES EXISTING WALL OR STRUCTURE. PROVIDE 1/4" AIR GAP.
16. GYPSUM BOARD SHAFT LINER PANEL, 1" THICK, TYPE 'X', ATTACHED TO C-H STUDS.
17. STEEL RUNNER , 'J' SHAPED WITH UNEQUAL LEGS OF 1" AND 2", 20 GA, ATTACHED TO FLOOR AND STRUCTURE ABOVE WITH FASTENERS LOCATED NO GREATER THAN 2" FROM ENDS AND NO MORE THAN 24" O.C. RUNNERS SHOULD BE POSITIONED WITH SHORT LEG TO FINISHED SIDE OF WALL.
18. STOP STUD RUNNER AT BASE PLATES.
19. STEEL PLATE, 3/8" THICK WITH HILTI-HY200 HYBRID ADHESIVE ANCHORING SYSTEM WITH FOUR 3-3/8" HILTI-HIT Z ANCHOR RODS. EMBED INTO CONCRETE 3 -3/8".
20. TUBE STEEL 3" x 3" x 3/16" AT 6'- 0" O.C.
21. WALL CAP. SOLID SURFACE MATERIAL ATTACHED TO WALL BELOW.
22. PLYWOOD, 3/4" THICK, CONTINUOUS FIRE TREATED. ATTACH PLYWOOD TO VERTICAL STEEL TUBE POST WITH 'L' SHAPED METAL CLIPS AND FASTENERS.
23. PROVIDE 1/8" RADIUS ROUNDED EDGE, CONTINUOUS.
24. METAL STUDS 16 GA STRUCTURAL (35 MIL) AT 16" O.C. PROVIDE RUNNERS AT TOP AND BOTTOM. ATTACH TOP RUNNER TO PLYWOOD AND VERTICAL STEEL POST.
25. LINE OF FLOOR.
26. RESILIENT CHANNEL, 2" X 1/2", INSTALLED HORIZONTALLY AND SPACED AT 24" O.C.
27. WHERE CONDITIONS PROHIBIT EXTENDING STUDS TO DECK, PROVIDE CROSS BRACING FROM TOP RUNNER OF WALL TO STRUCTURE ABOVE WITH 3-5/8" 20 GA STUDS AT 4' - 0" O.C. ALTERNATE DIRECTION OF BRACING TO STRUCTURE EVERY 48" AS CONDITIONS ALLOW.
28. TOP TRACK. 18 GA. REQUIRED AT CROSS-BRACED WALLS.

GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ITEMS LIKE SEMI OR FULLY RECESSED MISCELLANEOUS BOXES, PANELS, PLUMBING LINES, CONDUITS, PIPES, ETC. THAT ARE CONCEALED IN THE WALL. IF 3-5/8" METAL STUDS ARE INADEQUATE, CONTRACTOR SHALL NOTIFY THE ARCHITECT AND USE 6" STUDS. COORDINATE WITH ALL THE CONSULTANT DRAWINGS PRIOR TO WALL CONSTRUCTION AND USE 6" OR 8", 20 GAUGE METAL STUDS FOR FRAMING IN LIEU OF 3-5/8" METAL STUDS.

B. USE 5/8" CEMENTITIOUS BOARD IF CERAMIC OR PORCELAIN WALL TILES ARE INDICATED IN THE FINISH SCHEDULE AS WALL FINISH. CEMENTITIOUS BOARD SHALL EXTEND FROM FINISHED FLOOR TO HEIGHT OF TILE. 5/8" WATER RESISTANT GYPSUM BOARD TO BE USED ABOVE TILE HEIGHT IN RESTROOMS. SEE FLOOR PLANS FOR CERTAIN UNIQUE LOCATIONS THAT REQUIRE LEAD LINED GYPSUM BOARD, IMPACT RESISTANT GYPSUM BOARD, SOUND ATTENUATION GYPSUM BOARD, ETC.

C. PROVIDE CONTROL JOINT AS PER DETAIL **14 / A502A** WHEN LENGTH OF GYPSUM BOARD EXCEEDS 50' IN ONE DIRECTION OR AS DIRECTED BY ARCHITECT. COORDINATE WITH ARCHITECT FOR CONTROL JOINT LOCATIONS. WHEN GYPSUM BOARD OR CEMENTITIOUS BOARD IS ATTACHED VERTICALLY, USE 1" LONG #6 DRYWALL SCREWS TO EACH STUD. SCREWS ARE 8" O.C. AT PERIMETER AND 12" AT INTERMEDIATE STUD. WHEN GYPSUM BOARD IS ATTACHED HORIZONTALLY TO STUDS, HORIZONTAL JOINTS SHALL BE STAGGERED WITH THOSE ON THE OPPOSITE SIDE. SCREWS FOR HORIZONTAL APPLICATION SHALL BE 8" O.C. AT VERTICAL EDGES AND 12" O.C. AT INTERMEDIATE STUDS.

D. FOR LOCATION OF FIRE RATED WALLS AND SMOKE PARTITION WALLS SEE CODE COMPLIANCE PLAN.

E. SEE DIMENSION FLOOR PLANS FOR WALL TYPES USED IN THIS PROJECT. SOME WALL TYPES MAY NOT BE USED IN THIS PROJECT.

F. WHERE LEAD LINED WALLS ARE INDICATED ON THE DRAWINGS, USE 16 GA STUDS IN LIEU OF THE GAUGE OF STUDS CALLED OUT IN THE WALL TYPES.

G. IN PLACES WHERE MECHANICAL DUCTS ARE DESIGNED TO PENETRATE THE FLOOR, TO MEET THE REQUIREMENTS OF FIRE RATING, PROVIDE A TWO-HOUR FIRE RATED ENCLOSURE AT TOP AND BOTTOM OF SHAFT AS INDICATED IN DETAILS **5 / A502B** AND **8 / A502B**

H. IN PLACES WHERE A TWO-HOUR HORIZONTAL ENCLOSURE IS REQUIRED TO SEPARATE THE DUCTS FROM THE SPACE BELOW, PROVIDE A TWO-HOUR FIRE RATED HORIZONTAL ASSEMBLY AS PER DETAILS **5 / A502B** AND **8 / A502B**

I. IN PLACES WHERE BACKING IS REQUIRED IN WALLS TO SUPPORT WALL HUNG EQUIPMENT, CABINETS, ETC., PROVIDE BACKING IN WALL PER DETAILS **5 / A502A** AND **13 / A502A**

NJRA ARCHITECTS

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Murray, Utah 84123
801.364.9259
www.njraarchitects.com

STATE OF UTAH
SELVAM RAJAVELU
267857-0301
8/1/2025
LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

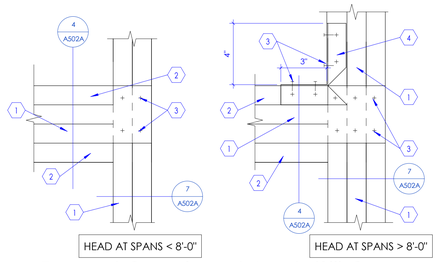
201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Wall Types

A501A

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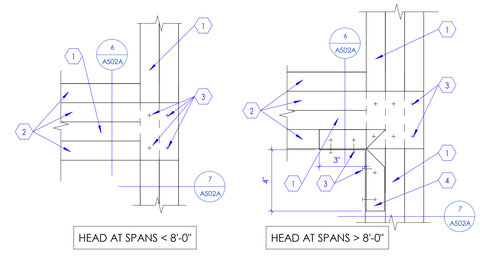


KEYED NOTES

1. METAL STUDS. SEE DETAIL **4 / A502A**
2. METAL TRACK. SEE DETAIL **4 / A502A**
3. SHEET METAL SCREWS 4 #12 EA. SIDE.
4. BENT TRACK - 18 GA MIN. COPE WEB AT JAMB-SILL CONDITION.

1 Framed Opening at Jamb/Sill Corner

SCALE: 3" = 1'-0"

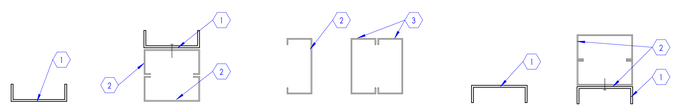


KEYED NOTES

1. METAL STUDS. SEE DETAIL **6 / A502A**
2. METAL TRACK. SEE DETAIL **6 / A502A**
3. SHEET METAL SCREWS 4 #12 EA. SIDE.
4. BENT TRACK - 18 GA MIN. COPE WEB AT JAMB-HEADER CONDITION.

2 Framed Opening at Jamb/Head Corner

SCALE: 3" = 1'-0"

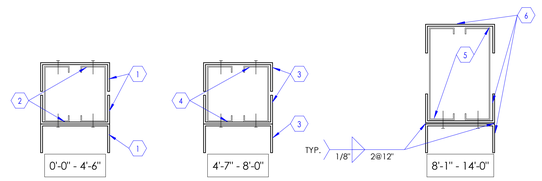


KEYED NOTES

1. METAL TRACK, 20 GA, TYP.
2. METAL STUDS, 20 GA.
3. METAL STUDS, 16GA.

3 Typical Duct Opening

SCALE: 3" = 1'-0"



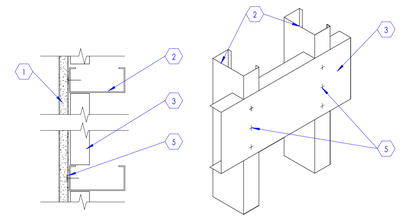
KEYED NOTES

1. METAL TRACK, 18 GA
2. METAL STUDS, 18 GA
3. METAL TRACK, 16 GA
4. METAL STUDS, 16 GA
5. METAL STUDS, 14 GA 6"
6. METAL TRACK, 14 GA

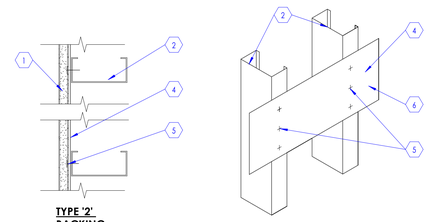
NOTE: ALL FASTENERS TO BE #12 SMS @ 2'-0" O.C. TYP., U.N.O.

4 Typical Window Opening Framing at Sill

SCALE: 3" = 1'-0"



TYPE '1' BACKING



TYPE '2' BACKING

KEYED NOTES

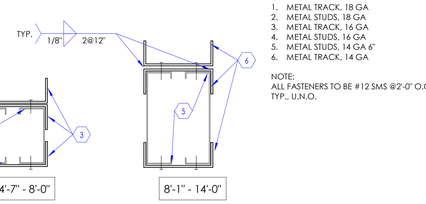
1. GYPSUM BOARD 5/8", TYPE 'X'.
2. EXISTING OR NEW 3 5/8" OR 6" METAL STUDS AT 16" O.C.
3. METAL STUD BLOCKING 6" X 16" GA. EXTEND BLOCKING TO NEXT STUD BEYOND EQUIPMENT -TYPICAL BOTH SIDES.
4. SHEET METAL BACKING 6" X 16" GA. EXTEND BLOCKING TO NEXT STUD BEYOND EQUIPMENT - TYPICAL BOTH SIDES.
5. SHEET METAL SCREW 3 #10 AT EACH STUD.
6. WHERE WALL TYPE INCLUDES RESILIENT CHANNELS, USE ADDITIONAL CHANNELS AS FURRING FOR BACKING AS REQUIRED.

GENERAL NOTES

1. EXTEND BACKING PLATE TO NEXT STUD BEYOND SIDE OF FIXTURE OR ACCESSORIES - BOTH SIDES.
2. PROVIDE METAL SLEEVES THROUGH WALL FINISH AT FIXTURE AND EQUIPMENT FASTENING.
3. FOR MECHANICAL WORK ANCHORAGE SEE MECHANICAL DRAWINGS.

5 Backing Plate Schedule

SCALE: 3" = 1'-0"



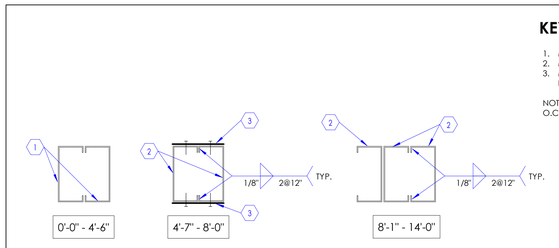
KEYED NOTES

1. METAL TRACK, 18 GA
2. METAL STUDS, 18 GA
3. METAL TRACK, 16 GA
4. METAL STUDS, 16 GA
5. METAL STUDS, 14 GA 6"
6. METAL TRACK, 14 GA

NOTE:
ALL FASTENERS TO BE #12 SMS @2'-0" O.C. TYP., U.N.O.

6 Typical Door and Window Opening Framing at Header

SCALE: 3" = 1'-0"



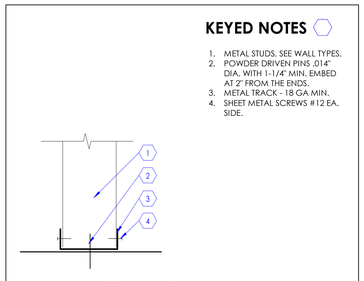
KEYED NOTES

1. METAL STUDS, 18 GA
2. METAL STUDS, 16 GA
3. METAL STRAP 2" X 20" GA AT 3'-6" O.C. EACH SIDE

NOTE: ALL FASTENERS TO BE #12 SMS @2'-0" O.C. TYP.,

7 Typical Door and Window Opening Framing at Jamb

SCALE: 3" = 1'-0"

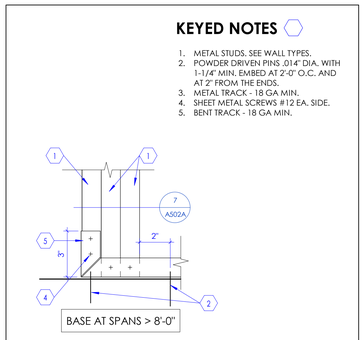


KEYED NOTES

1. METAL STUDS. SEE WALL TYPES.
2. POWDER DRIVEN PINS .014" DIA. WITH 1-1/4" MIN. EMBED AT 2" FROM THE ENDS.
3. METAL TRACK - 18 GA MIN.
4. SHEET METAL SCREWS #12 EA. SIDE.

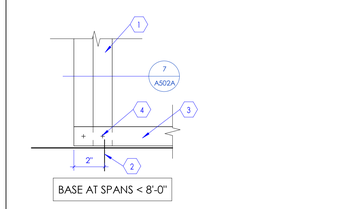
8 Base Track Detail

SCALE: 3" = 1'-0"



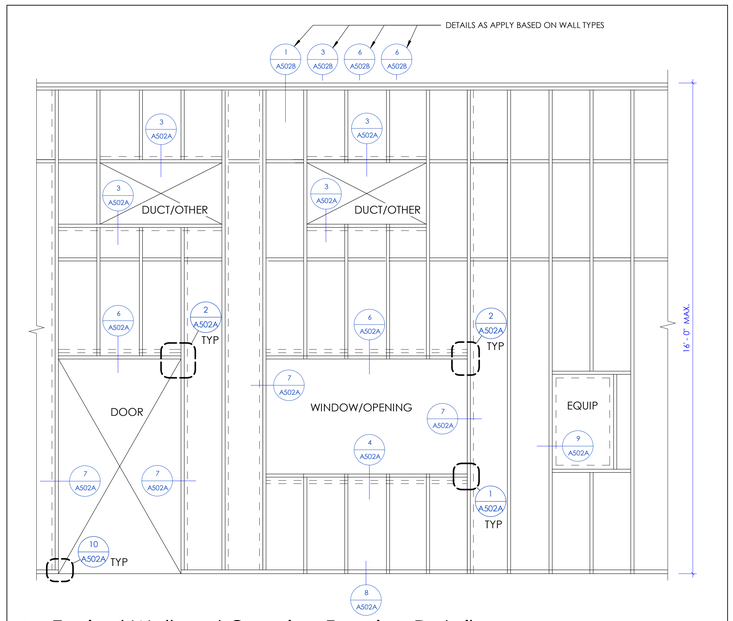
KEYED NOTES

1. METAL STUDS. SEE WALL TYPES.
2. POWDER DRIVEN PINS .014" DIA. WITH 1-1/4" MIN. EMBED AT 2'-0" O.C. AND AT 2" FROM THE ENDS.
3. METAL TRACK - 18 GA MIN.
4. SHEET METAL SCREWS #12 EA. SIDE.
5. BENT TRACK - 18 GA MIN.



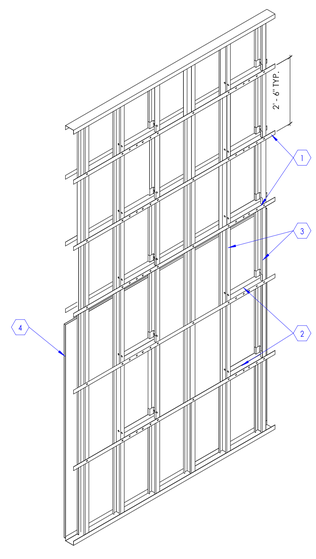
10 Framed Opening at Jamb

SCALE: 3" = 1'-0"



11 Typical Wall and Opening Framing Detail

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



KEYED NOTES

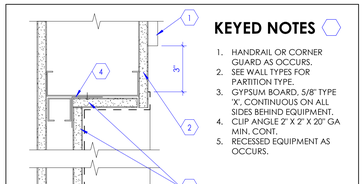
1. SHEET METAL STRAP. SEE BRACING SCHEDULE BELOW AND DETAIL
2. METAL STUD BLOCKING. SEE BRACING SCHEDULE BELOW AND DETAIL
3. METAL STUDS, 20 GA MIN. SEE WALL TYPES FOR PARTITION TYPE.
4. 5/8", TYPE 'X' GYP. BD. TYP., U.N.O. SEE WALL TYPES FOR PARTITION TYPE.

BRACING SCHEDULE

1. WHERE NO GYP. BD. OCCURS EITHER SIDE PROVIDE:
   A. METAL STUD BLOCKING AT ENDS AND 8'-0" O.C. HORIZONTALLY AND 2'-6" O.C. VERTICALLY.
   B. 20 GA. X 2" STRAP CONT. EACH SIDE AT 2'-6" O.C. MAX.
2. WHERE GYP. BD OCCURS ONE SIDE ONLY PROVIDE:
   A. 20 GA X 2" STRAP CONT. OPPOSITE SIDE FROM GYP BD. AT 2'-6" O.C. MAX.

12 Typical Bracing at One Sided Partition

SCALE: 3" = 1'-0"



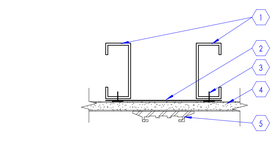
KEYED NOTES

1. HANDRAIL OR CORNER GUARD AS OCCURS.
2. SEE WALL TYPES FOR PARTITION TYPE.
3. GYPSUM BOARD, 5/8" TYPE 'X', CONTINUOUS ON ALL SIDES BEHIND EQUIPMENT.
4. CLIP ANGLE 2" X 2" X 20" GA MIN. CONT.
5. RECESSED EQUIPMENT AS OCCURS.

PLAN VIEW, SECTION SHALL BE SIMILAR

9 Detail at Recessed Equip.

SCALE: 3" = 1'-0"

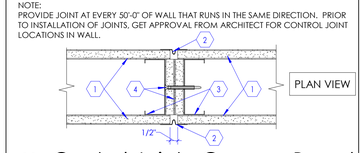


KEYED NOTES

1. METAL STUDS, 3 5/8" THICK, 16 GA AS SHOWN.
2. 8" WIDE X (HEIGHT OF WALL BRACKET + 6") HIGH X 16 GA BACKING PLATE. ANCHOR TO 16 GA STUDS.
3. SHEET METAL SCREWS #10 THROUGHOUT 9/64" DIAMETER HOLES AT 18" O.C.
4. GYPSUM BOARD, 5/8" THICK, TYPE 'X', TYPICAL U.N.O.
5. ERGOTRON LX WALL MOUNT BRACKET, TV BRACKET, PHYSIOLOGICAL MONITOR, ETC O.F.C.I.

13 Plan Detail at Bracket

SCALE: 3" = 1'-0"



KEYED NOTES

1. GYPSUM BOARD, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES AND WALL SECTIONS FOR GYPSUM BOARD TYPE.
2. EXPANSION JOINT ("E-Z STRIP, V-SHAPED VINYL EXPANSION JOINT BY NATIONAL GYPSUM COMPANY OR EQUIVALENT) ATTACHED TO GYPSUM BOARD.
3. METAL STUDS. SEE WALL TYPES AND WALL SECTIONS FOR STUD SIZE, THICKNESS, GAUGE, SPACING, ETC.
4. TWO LAYERS OF TYPE 'X' GYPSUM BOARD, 5/8" THICK, ATTACHED TO STUDS WITH DRYWALL SCREWS, 1-5/8" @ 24" O.C. USE NON FIRE RATED GYPSUM BOARD IF WALLS OR CEILING ARE NOT FIRE RATED.

NOTE:
PROVIDE JOINT AT EVERY 50'-0" OF WALL THAT RUNS IN THE SAME DIRECTION. PRIOR TO INSTALLATION OF JOINTS, GET APPROVAL FROM ARCHITECT FOR CONTROL JOINT LOCATIONS IN WALL.

14 Control Joint - Gypsum Board

SCALE: 3" = 1'-0"

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SELVAM RAJAVELU
267857-0301
8/1/2025
LICENSED ARCHITECT

Intermountain Health
Layton Hospital Mammography

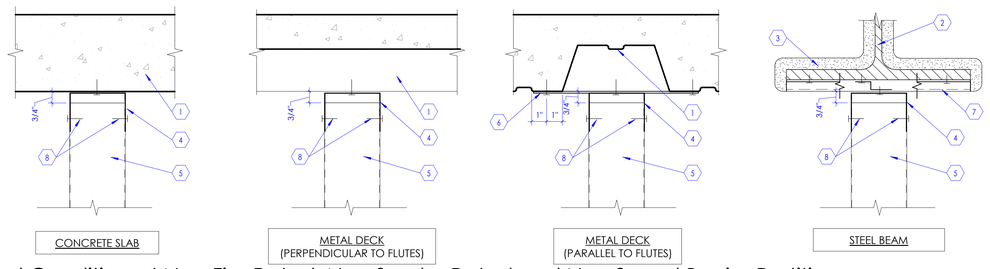
201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Wall Details

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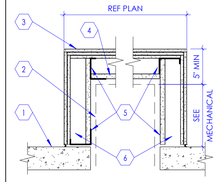
CONCRETE SLAB | METAL DECK (PERPENDICULAR TO FLUTES) | METAL DECK (PARALLEL TO FLUTES) | STEEL BEAM

1 Head Condition at Non Fire Rated, Non Smoke Rated and Non Sound Barrier Partitions

SCALE: 3" = 1'-0"

KEYED NOTES

1. FLOOR OR ROOF DECK AS OCCURS.
2. STEEL BEAM AS OCCURS. SEE STRUCTURAL DRAWINGS.
3. SPRAY APPLIED FIRE RESISTIVE MATERIAL (SFRM).
4. SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL **9 / A5028**
5. METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
6. STRAPS 2" x 18" GA AT 16" O.C.
7. Z-BARS 20 GA TO ACCOMMODATE SFRM THICKNESS.



AT TOP OF SHAFT

2 2-HR Enclosure at Top of Shaft

SCALE: 1" = 1'-0"

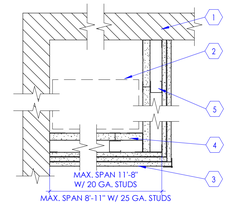
KEYED NOTES

1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. J-RUNNERS
6. 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501A.

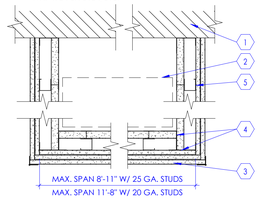
RATING INFORMATION:
FIRE RATING - 2 HOUR TEST:
U.L. Design No. 411
PEI AER-09038
WHI-495-PSH 0154/0167

KEYED NOTES

1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501A.



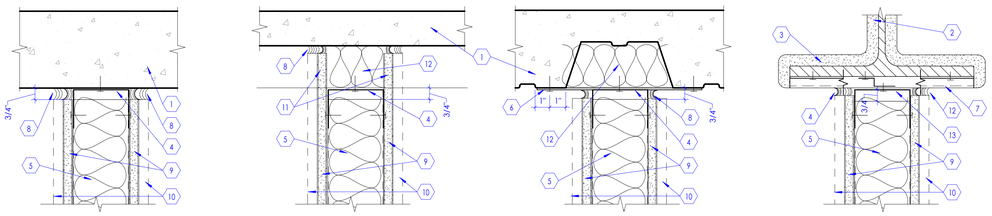
RATING INFORMATION:
HORIZONTAL FIRE
RATING - 2 HOUR TEST:
WHI-495 PSH 0154/0167



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

5 2-HR Horizontal Assembly

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



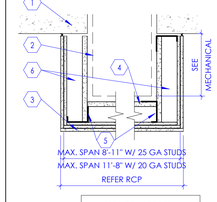
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3 Head Condition at Smoke Partitions and Sound Barrier Walls

SCALE: 3" = 1'-0"

KEYED NOTES

1. FLOOR OR ROOF DECK AS OCCURS.
2. STEEL BEAM AS OCCURS. SEE STRUCTURAL DRAWINGS.
3. SPRAY APPLIED FIRE RESISTIVE MATERIAL (SFRM).
4. SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL **9 / A5028**
5. METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
6. STRAPS, 2" x 18" GA AT 16" O.C.
7. Z-BARS, 20 GA TO ACCOMMODATE SFRM THICKNESS.
8. ACOUSTIC SEALANT, CONTINUOUS.
9. GYPSUM BOARD, 5/8" THICK. SEE WALL TYPES ON SHEET A501 FOR ADDITIONAL INFORMATION.
10. ADDITIONAL LAYER OF GYP. BD. WHERE OCCURS.
11. GYPSUM BOARD CUT TO FOLLOW PROFILE OF DECKING AT SMOKE PARTITION BOTH AT SOUND WALLS.
12. FILL FLUTE VOID WITH BATT INSULATION.



AT BOTTOM OF SHAFT

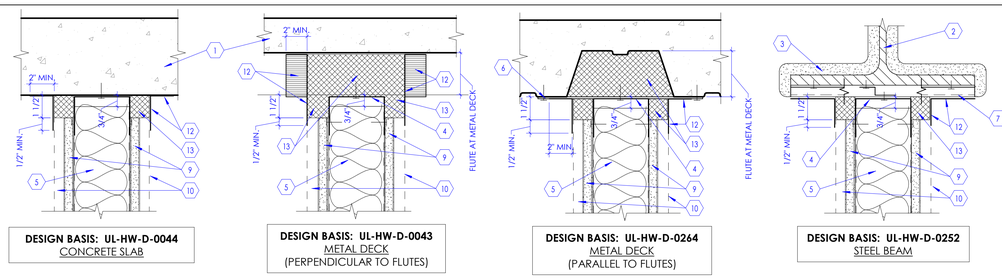
4 2-HR Enclosure at B.O. Shaft

SCALE: 1" = 1'-0"

KEYED NOTES

1. FLOOR SLAB AS OCCURS.
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. J-RUNNERS
6. 2-HR RATED SHAFT WALL CONSTRUCTION, SEE WALL TYPES ON SHEET A501A.

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



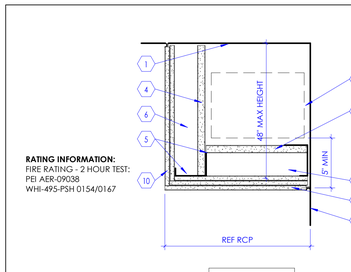
DESIGN BASIS: UL-HW-D-0044 CONCRETE SLAB | DESIGN BASIS: UL-HW-D-0043 METAL DECK (PERPENDICULAR TO FLUTES) | DESIGN BASIS: UL-HW-D-0264 METAL DECK (PARALLEL TO FLUTES) | DESIGN BASIS: UL-HW-D-0252 STEEL BEAM

6 Head Condition at Fire Rated Partitions

SCALE: 3" = 1'-0"

KEYED NOTES

1. FLOOR OR ROOF DECK AS OCCURS.
2. STEEL BEAM AS OCCURS. SEE STRUCTURAL DRAWINGS.
3. SPRAY APPLIED FIRE RESISTIVE MATERIAL (SFRM).
4. SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL **9 / A5028**
5. METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
6. STRAPS, 2" x 18" GA AT 16" O.C.
7. Z-BARS, 20 GA TO ACCOMMODATE SFRM THICKNESS.
8. ACOUSTIC SEALANT, CONTINUOUS.
9. GYPSUM BOARD, 5/8" THICK, TYPE 'X'.
10. ADDITIONAL LAYER OF GYP. BD. AT 2-HR RATED WALLS.
11. GYPSUM BOARD CUT TO FOLLOW PROFILE OF DECKING AT SMOKE PARTITION BOTH AT SOUND WALLS.
12. FIRE STOP JOINT SPRAY.
13. MINERAL WOOL 4 LB. FRICTION FIT BETWEEN TOP TRACK AND FLUTE.

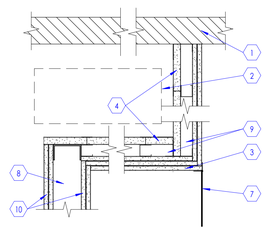


AT DUCTWORK

KEYED NOTES

1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. J-RUNNERS.
6. 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501A.
7. WALL BEYOND.
8. METAL STUD FRAMING: SEE PLANS FOR STUD SIZE.
9. SHAFT WALL FRAMING WITH 1 1/2" C-H STUDS.
10. GYPSUM BOARD 2 LAYERS OF 5/8".

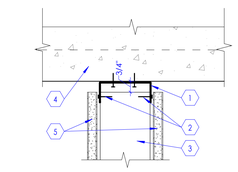
RATING INFORMATION:
HORIZONTAL FIRE
RATING - 2 HOUR TEST:
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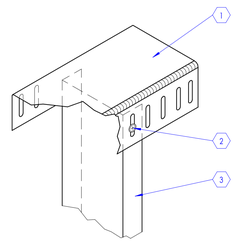


WITH OFFSET

8 2-HR Horizontal Enclosure

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





ISOMETRIC VIEW OF SLOTTED TOP TRACK

KEYED NOTES

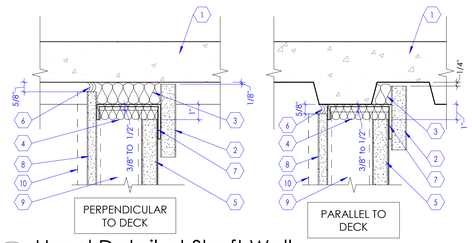
1. SLOTTED DEEP LEG DEFLECTION TRACK, 16GA CONTINUOUS. SECURE TO SUPERSTRUCTURE ABOVE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 3/4" OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
2. SLIP CONNECTION. SECURE VERTICAL STUDS TO SLOTTED TOP TRACK AT MID-HEIGHT OF VERTICAL SLOTS IN TRACK. COMPONENTS INTENDED TO SLIDE VERTICALLY AS SUPERSTRUCTURE DEFLECTS.
3. VERTICAL STUD. SEE INTERIOR WALL TYPES ON SHEET A501A.
4. FLOOR OR ROOF DECK AS OCCURS.
5. GYPSUM BOARD, 5/8" THICK, TYPE 'X'. TYPICAL. 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.

GENERAL NOTES

A. CONDITIONS INDICATED SHOW DESIGN INTENT, ESPECIALLY IN REGARD TO ACCOMMODATION OF STRUCTURAL DEFLECTION AND CONTINUITY OF INTEGRITY OF SOUND, SMOKE AND FIRE WALLS.
B. DESIGN INTENT DETAILS MAY NOT SHOW ALL CONDITIONS TO BE ENCOUNTERED ON A PROJECT.
C. 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 SPRAY-APPLIED FIRE-RESISTIVE MATERIALS (SFRM).
D. SLOTTED TOP TRACK, INDICATED ON THESE DETAILS, IS THE BASIS FOR DESIGN AND REFERS TO DEEP-LEG TRACKS WITH VERTICALLY SLOTTED HOLES.
E. REFER TO PARTITION STANDARDS FOR SPECIFIC WALL TYPES.
F. AT FIRE -RATED WALLS REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING HEAD-OF-WALL CONDITIONS.
G. MAINTAIN ACOUSTIC RATING WHERE SOUND-CONTROL WALLS ARE INDICATED.
H. FIRESTOPPING AND ACOUSTICAL SEALANTS SHALL AUTOBOND. PROVIDE EXPOSED CLEAN SEALANT (TO CONCEAL FIRESTOPPING) AT FOOD SERVICE FACILITIES, KITCHEN, BIOLOGICAL CONTAINMENT AND CLEAN ROOM APPLICATIONS.
I. WHERE A WALL IS DESIGNATED AS BOTH A SOUND-CONTROL WALL AND A FIRE-RATED WALL, REFER TO FIRE-RATED HEAD-OF-WALL CONDITIONS.
J. WHERE A WALL IS DESIGNATED AS A SOUND-CONTROL WALL, FILL ALL VOIDS WITH SOUND ATTENUATION BATTS (SAB).
K. AT SMOKE PARTITIONS AND SOUND-CONTROL WALLS EXTEND GWB ON BOTH SIDES INTO THE FLUTES, 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.

9 Slip Connection Detail

SCALE: 3" = 1'-0"



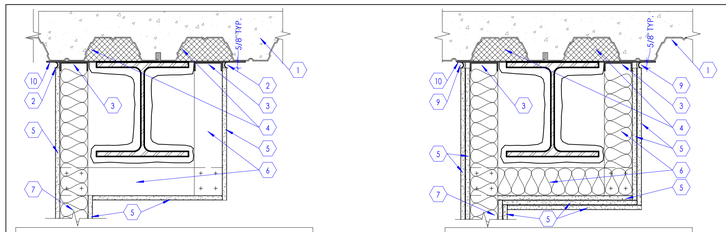
PERPENDICULAR TO DECK | PARALLEL TO DECK

KEYED NOTES

1. FLOOR OR ROOF DECK AS OCCURS.
2. GYPSUM BOARD1" SHAFT LINER PANEL 6" HIGH MIN. CUT TO FLUTED DECK CONTOUR.
3. MINERAL WOOL 3" 4 LB MIN. FRICTION FITTED BETWEEN J TRACK AND FLUTE.
4. MINERAL WOOL 1" 4 LB MIN. FRICTION FITTED INSIDE J TRACK CAVITY.
5. GYPSUM BOARD 1" SHAFT LINER PANEL STOP AT 1" BELOW THE BOTTOM OF DECK.
6. ACOUSTICAL SEALANT 5/8" x CONT.
7. J TRACK SEE WALL TYPES.
8. GYPSUM BOARD 5/8" THICK, TYPE 'X'. PANELS CUT TO FLUTED DECK CONTOUR. SEE WALL TYPES.
9. CH STUDS @ 24" O.C. MAX. SEE WALL TYPES FOR SIZE.
10. ADDITIONAL LAYER OF GYPSUM BOARD AT 2HR RATED SHAFT WALL SHOWN DASHED, SEE WALL TYPES ON SHEET A501A.

7 Head Detail at Shaft Wall

SCALE: 3" = 1'-0"



NOTE: THIS DETAIL APPLIES AT ALL FULL HEIGHT NON-RATED, SMOKE TIGHT, OR 1 HOUR RATED PARTITIONS WHERE GWB IS OBSTRUCTED. U.N.O.

NOTE: THIS DETAIL APPLIES AT ALL 2 HOUR RATED PARTITIONS WHERE ONE SIDE OF WALL IS OBSTRUCTED. U.N.O.

NOTE: THIS DETAIL APPLIES AT ALL SHAFTWALL CONDITIONS WHERE WALL CANNOT EXTEND FULLY TO DECK. U.N.O.

KEYED NOTES

1. FLOOR OR ROOF DECK AS OCCURS.
2. CONTINUOUS ACOUSTIC/SMOKE SEALANT/FIRE STOP AS REQUIRED EACH SIDE.
3. SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL **9 / A5028**
4. FILL FLUTE AT METAL DECK WITH CONTINUOUS 4LB MINERAL WOOL. FRICTION FIT BETWEEN TOP TRACK AND FLUTE.
5. GYPSUM BOARD, 5/8" THICK, TYPE 'X', TYPICAL.
6. METAL STUDS AT 16" O.C. MATCH PARTITION TYPE, PACK FULL WITH INSULATION AS REQUIRED.
7. PARTITION WALL AS SCHEDULE.
8. SHAFT WALL AS SCHEDULE.
9. FIRE STOP AS REQUIRED.
10. STRAPS, 2" x 18" GA AT 16" O.C.

10 Alternate Framing Details at Rated Walls

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

NJRA ARCHITECTS

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SELVAM RAJAVELU
267857-0301
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LICENSED ARCHITECT

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Mammography

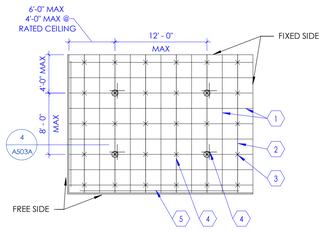
201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Wall Details

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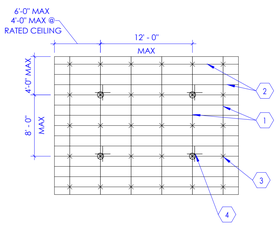
KEYED NOTES

1. EXPOSED CROSS GRID MEMBER @ 2'-0" O.C.
2. EXPOSED MAIN GRID MEMBER @ 4'-0".
3. HANGER WIRE 12 GA. @ 4'-0" O.C. MAX EACH WAY.
4. SEISMIC RESTRAINT. SEE DETAIL **7 / A503A**
5. SLOTTED ANGLE SPACER.

NOTE:
EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS.

1 Typical Acoustical Ceiling Suspension

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

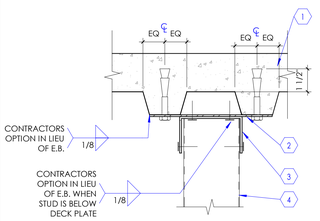


KEYED NOTES

1. MAIN RUNNER 1 1/2" @ 4'-0" O.C.
2. FURRING CHANNEL @ 1'-4" O.C.
3. HANGER WIRE 8 GA. @ 4'-0" O.C. MAX EACH WAY
4. SEISMIC RESTRAINT. SEE DETAIL **8 / A503A**

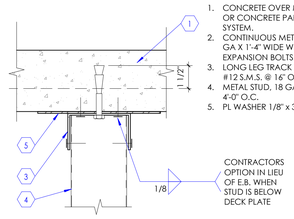
2 Typical Gypsum Bd Ceiling Suspension

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



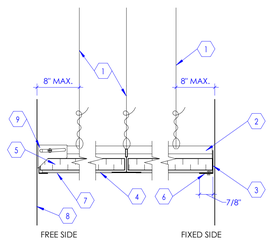
KEYED NOTES

1. CONCRETE OVER METAL DECK OR CONCRETE PAN & JOIST SYSTEM.
2. CONTINUOUS METAL PLATE 10 GA X 1'-4" WIDE WITH (2) 1/4" EXPANSION BOLTS.
3. LONG LEG TRACK 16 GA WITH (2) #12 S.M.S. @ 16" O.C.
4. METAL STUD, 18 GA MIN. 3-5/8" @ 4'-0" O.C.
5. PL WASHER 1/8" x 3" x 3"



3 Typical Suspended Stud Attachment To Concrete Deck

SCALE: 3" = 1'-0"



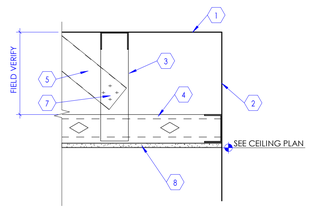
KEYED NOTES

1. CLASS 1 ZINC COATED, SOFT TEMPERED WIRES, 12 GAUGE MIN.
2. PROVIDE 3/4" GAP BETWEEN CEILING GRID AND ANGLE ON TWO ADJACENT SIDES OF THE ROOM. DO NOT ATTACH CEILING GRID TO WALL ANGLE.
3. ATTACH CEILING GRID TO WALL ANGLE ON TWO ADJACENT SIDES OF THE ROOM (FIXED SIDES).
4. EXPOSED CROSS RUNNER ATTACHED TO MAIN RUNNERS.
5. ACOUSTICAL CEILING TILES. SEE CEILING PLANS.
6. 7/8" SUPPORTING CLOSURE ANGLE AT CEILING PERIMETER ATTACHED TO WALL.
7. EXPOSED MAIN RUNNER SHALL BE HEAVY DUTY T-BAR GRID SYSTEM SUSPENDED FROM STRUCTURE ABOVE. THIS END OF THE GRID SHALL REST UPON AND BE FREE TO SLIDE ON THE CLOSURE ANGLE.
8. LINE OF WALL.
9. SEISMIC CLIPS, BASIS OF DESIGN ARMSTRONG BERC 2 CLIPS IN LIEU OF 2" WALL ANGLE PER ICC-ESR 1308.

NOTE:
EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS.

4 Ceiling Grid Detail

SCALE: 3" = 1'-0"

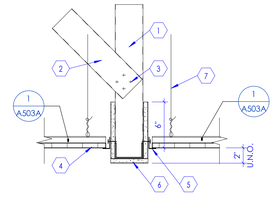


KEYED NOTES

1. LINE OF STRUCTURE ABOVE.
2. LINE OF WALL.
3. METAL STUD FRAMING (3-5/8" THICK, 18 GAUGE, METAL STUDS AT 4'-0" O.C.) SUSPENDED FROM STRUCTURE ABOVE. SEE DETAIL 3/A503A. CROSS BRACE FRAMING AS REQUIRED FOR STRUCTURAL RIGIDITY.
4. METAL STUD FRAMING (3-5/8" THICK, 18 GAUGE, METAL STUDS AT 16" O.C.)
5. METAL STUD 3-5/8" X 18 GA LATERAL (45 DEGREE) BRACING AT 4'-0" O.C., CONNECT TO STRUCTURE ABOVE.
6. SHEET METAL SCREWS (4) #10.
7. ATTACH 5/8" THICK, TYPE 'X', GYPSUM BOARD TO METAL STUD FRAMING.

5 Gypsum Board Ceiling Detail

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

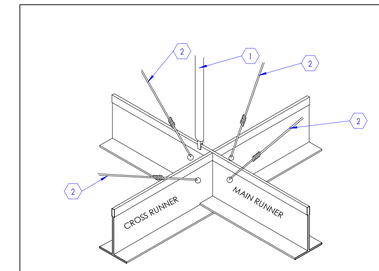


KEYED NOTES

1. METAL STUD FRAMING 3 5/8" X 18 GA STUDS, SUSPENDED FROM STRUCTURE ABOVE @ 16" O.C. SEE DETAIL **3 / A503A**
2. METAL STUD 3-5/8" X 18 GA LATERAL (45 DEGREE) BRACING AT 4'-0" O.C. CONNECT TO STRUCTURE ABOVE.
3. SHEET METAL SCREWS (4) #10.
4. ACOUSTICAL CEILING PANEL. SEE REFLECTED CEILING PLANS.
5. PERIMETER ANGLE MOLDING. SEE DETAIL **4 / A503A**
6. GYPSUM BOARD 5/8" TYPE 'X', TYP.
7. HANGER WIRES 12 GA, TYP.

6 Gypsum Board Header

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



KEYED NOTES

1. RIGID HORIZONTAL RESTRAINT FROM CEILING GRID TO STRUCTURE ABOVE.
2. CLASS 1 ZINC COATED, SOFT TEMPERED WIRES, 12 GAUGE MIN.

NOTE:

A. CEILING GRIDS IN ROOMS OR AREAS GREATER THAN 1,000 SQ. FT. SHALL HAVE A RIGID HORIZONTAL RESTRAINT FROM CEILING TO STRUCTURE ABOVE AT EVERY 144 SQ. FT.
B. ALL SPLAYED WIRES SHALL BE AT 45 DEGREES ANGLES, 12 GAUGE AND GALVANIZED.
C. WHEN CEILING AREA EXCEEDS 2,500 SQ. FT. PROVIDE SEISMIC SEPARATION JOINT APPROVED BY CEILING GRID MANUFACTURER AND ARCHITECT.

NOTE: EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS.

7 Ceiling Detail

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

KEYED NOTES

1. SHEET METAL #12 SCREWS
2. METAL CLIP 12 GA MIN X 3/4" W.
3. MACHINE BOLT 1/2" DIA. MIN.
4. ANGLE STRUT OR CHANNEL
5. METAL CLIP 1" W X 2" X 12 GA. MIN.
6. DIAGONAL HANGER WIRES 12 GA MIN. - 4 SIDES.
7. FURRING CHANNEL, 7/8" THICK, @ 1'-4" O.C. MAXIMUM.
8. METAL RUNNER CHANNELS, 1 1/2" THICK AT 48" O.C.
9. GYPSUM BOARD 5/8" THICK ATTACHED TO METAL FURRING CHANNEL.

8 Gypsum Board Ceiling Seismic Restraint Detail

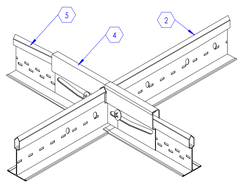
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. GYPSUM BOARD, 5/8" THICK (USE TYPE 'X' IF WALLS ARE FIRE RATED) ATTACHED TO METAL STUD FRAMING.
2. LINE OF WALL.
3. LINE OF CEILING AS OCCURS. SEE REFLECTED CEILING PLAN FOR CEILING TYPE.
4. METAL STUD FRAMING 3 5/8" THICK, 20 GAUGE STUDS, SUSPENDED FROM STRUCTURE ABOVE. STUDS SHALL BE AT 16" O.C.
5. LINE OF STRUCTURE ABOVE.

9 Gypsum Board Soffit

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

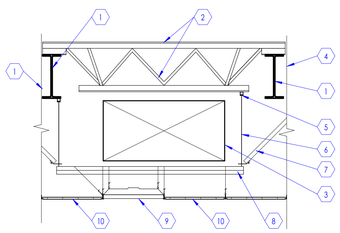


KEYED NOTES

1. EXPANSION SLEEVE 4"x15/16", BASIS OF DESIGN: ARMSTRONG ES4, COLOR-WHITE.
2. MAIN BEAM, BASIS OF DESIGN: ARMSTRONG PRELUDE 15/16"XL EXPOSED TEE SYSTEM.
3. SEISMIC SEPARATION JOINT CLIP. BASIS OF DESIGN: ARMSTRONG SJMR-4'x1".
4. SEISMIC SEPARATION JOINT CLIP. BASIS OF DESIGN: ARMSTRONG SJCG-5'x1-1/2".
5. CROSS TEES, BASIS OF DESIGN: ARMSTRONG PRELUDE 15/16"XL EXPOSED TEE SYSTEM.

10 Seismic Separation Joint Clip Detail

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



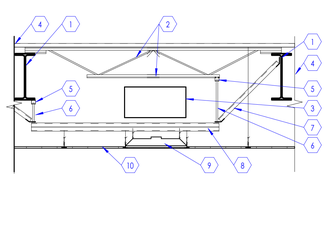
KEYED NOTES

1. STEEL BEAM, AS OCCURS.
2. STEEL JOIST, AS OCCURS.
3. MECHANICAL DUCTS. SEE MECHANICAL DRAWINGS.
4. LINE OF WALL.
5. UNISTRUT P1000, 6" LONG, SUSPENDED FROM STRUCTURE ABOVE.
6. THREADED ROD, 5/8" THICK. PROVIDE NUTS, WASHERS, CLAMPS, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
7. UNISTRUT, P1001, CROSS BRACE TO STRUCTURE. PROVIDE NUTS, WASHERS, CLAMPS, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
8. UNISTRUT, P1001 AT 2'-0" O.C. SUSPENDED FROM STRUCTURE ABOVE.
9. LIGHT FIXTURE SUSPENDED FROM UNISTRUT ONLY. DO NO HANG FIXTURES FROM DUCTS.
10. CEILING. SEE REFLECTED CEILING PLAN FOR HEIGHT. SUSPEND CEILING GRID FROM UNISTRUT ONLY. CONTRACTOR SHALL NOT SUSPEND LIGHTS, GRIDS, ETC. FROM DUCTS.

NOTE:
CONTRACTOR SHALL PROVIDE UNISTRUTS AS INDICATED IN THE DETAIL WHEREVER DUCT INTERFERES WITH CEILING SUSPENSION SYSTEM.

11 Ceiling Detail

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



KEYED NOTES

1. STEEL BEAM AS OCCURS.
2. STEEL JOIST AS OCCURS.
3. MECHANICAL DUCTS, SEE MECHANICAL DRAWINGS
4. LINE OF WALL
5. UNISTRUT P1000, 6" LONG SUSPENDED FROM STRUCTURE ABOVE
6. THREADED ROD, 5/8" THICK. PROVIDE NUTS, WASHERS, CLAMPS, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
7. UNISTRUT, P1000, CROSS BRACE TO STRUCTURE. PROVIDE NUTS WASHERS CLAMPS ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
8. UNISTRUT, P1001 @ 2'-0" O.C. SUSPENDED FROM STRUCTURE ABOVE
9. LIGHT FIXTURE SUSPENDED FROM UNISTRUT ONLY. DO NOT HANG FIXTURES FROM DUCTS.
10. CEILING SEE RCP FOR HEIGHT. SUSPEND CEILING GRID FROM UNISTRUT ONLY. CONTRACTOR SHALL NOT SUSPEND LIGHTS, GRIDS, ETC. FROM DUCTS.

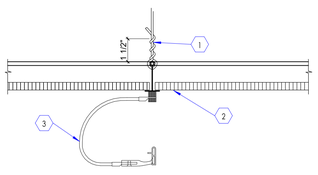
NOTE:
CONTRACTOR SHALL PROVIDE UNISTRUTS AS INDICATED IN THIS DETAIL WHEREVER DUCT INTERFERES WITH CEILING SUSPENSION SYSTEM.

12 Suspended Ceiling Trapeze Detail

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

KEYED NOTES

1. TYPICAL 12 GA HANGER WIRE.
2. ACOUSTIC PANEL.
3. CUBICAL CURTAIN ROD HANGER. BASIS OF DESIGN: ON THE RIGHT TRACK.



13 Privacy Curtain Track detail

SCALE: 3" = 1'-0"

NJRA ARCHITECTS

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8/1/2025
LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

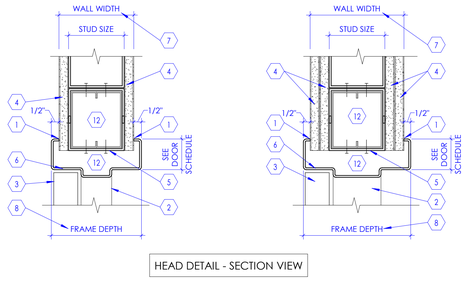
201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

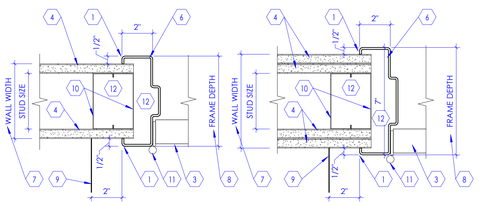
Ceiling Details

A503A

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HEAD DETAIL - SECTION VIEW



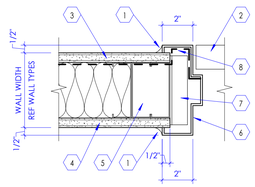
JAMB DETAIL - PLAN VIEW

KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. DOOR FRAME SEEN BEYOND.
3. DOOR, SEE DOOR SCHEDULE FOR DOOR TYPE.
4. GYPSUM BOARD, 5/8" THICK, TYPE 'X', ATTACH TO METAL STUD FRAMING. SEE WALL TYPES.
5. STEEL RUNNER (18 GAUGE) FASTENED WITH SCREWS TO STRUT STUDS AT EACH END. SEE DETAIL **6 / A502A**
6. HOLLOW METAL DOOR FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS. PAINT FRAME.
7. SEE WALL TYPES FOR WALL WIDTH AND STUD SIZE.
8. FRAME DEPTH SHALL BE WALL WIDTH PLUS 1".
9. LINE OF WALL, AS OCCURS.
10. PROVIDE DOUBLE METAL STUDS AT FRAME JAMBS, WALL ENDS, ETC. PROVIDE STEEL STRAPS (6" HIGH 16 GAUGE STRAPS AT 2'-0" O.C.) SEE DETAIL **7 / A502A**
11. DOOR HINGE AS OCCURS. SEE DOOR AND HARDWARE SCHEDULE. SEE FLOOR PLAN FOR DOOR SWING.
12. FILL IN STUD CAVITY AND DOOR FRAME CAVITY WITH INSULATION. INSULATION NOT SHOWN FOR CLARITY.

1 Door Frame in Stud Wall

SCALE: 3" = 1'-0"

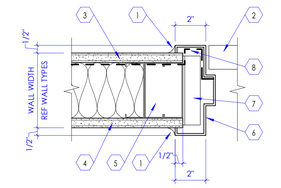


KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. LEAD LINED DOOR. LEAD PROTECTION AT DOOR TO MATCH ADJACENT WALL.
3. GYPSUM BOARD, 5/8" THICK, TYPE 'X', LEAD LINED, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES.
4. GYPSUM BOARD, 5/8" THICK, TYPICAL, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES.
5. DOOR JAMB FRAMING, SEE DETAIL 7/A502A .
6. HOLLOW METAL DOOR FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS. PAINT FRAME.
7. STEEL ANCHORS. ATTACH TO METAL STUDS WITH #8 PAN HEAD S.M.S., TYP. WELD TO FRAME.
8. WRAP LEAD LINING ON THE INSIDE OF HM FRAME. PROTECTION TO MATCH ADJACENT WALL.

2 Door Frame Jamb Detail - Lead Lined

SCALE: 3" = 1'-0"

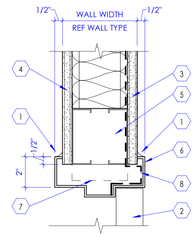


KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. LEAD LINED DOOR. LEAD PROTECTION AT DOOR TO MATCH ADJACENT WALL.
3. GYPSUM BOARD, 5/8" THICK, TYPE 'X', LEAD LINED, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES.
4. GYPSUM BOARD, 5/8" THICK, TYPICAL, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES.
5. DOOR JAMB FRAMING, SEE DETAIL 7/A502A
6. HOLLOW METAL DOOR FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS. PAINT FRAME.
7. STEEL ANCHORS. ATTACH TO METAL STUDS WITH #8 PAN HEAD S.M.S., TYP. WELD TO FRAME.
8. WRAP LEAD LINING ON THE INSIDE OF HM FRAME. PROTECTION TO MATCH ADJACENT WALL.

3 Window Frame Jamb Detail - Lead Lined

SCALE: 3" = 1'-0"

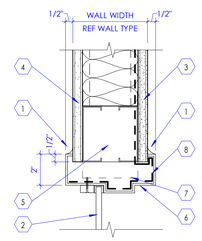


KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. DOOR. SEE DOOR SCHEDULE. LEAD PROTECTION AT DOOR TO MATCH ADJACENT WALL.
3. GYPSUM BOARD, 5/8" THICK, TYPE 'X', LEAD LINED, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES.
4. GYPSUM BOARD, 5/8" THICK, TYPICAL, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES.
5. DOOR HEAD FRAMING, SEE DETAIL 6/A502A .
6. HOLLOW METAL DOOR FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS. PAINT FRAME.
7. STEEL ANCHORS. ATTACH TO METAL STUDS WITH #8 PAN HEAD S.M.S., TYP. WELD TO FRAME.
8. WRAP LEAD LINING ON THE INSIDE OF HM FRAME. PROTECTION TO MATCH ADJACENT WALL.

4 Door Frame Head Detail - Lead Lined

SCALE: 3" = 1'-0"

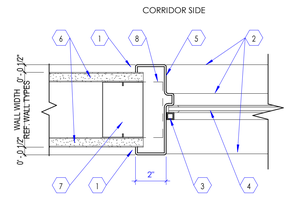


KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. LEAD GLAZING, SEE WINDOW SCHEDULE. LEAD PROTECTION AT GLAZING TO MATCH ADJACENT WALL.
3. GYPSUM BOARD, 5/8" THICK, TYPE 'X', LEAD LINED, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES.
4. GYPSUM BOARD, 5/8" THICK, TYPICAL, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES.
5. WINDOW HEAD FRAMING, SEE DETAIL 6/A502A
6. HOLLOW METAL DOOR FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS. PAINT FRAME.
7. STEEL ANCHORS. ATTACH TO METAL STUDS WITH #8 PAN HEAD S.M.S., TYP. WELD TO FRAME.
8. WRAP LEAD LINING ON THE INSIDE OF HM FRAME. PROTECTION TO MATCH ADJACENT WALL.

5 Window Frame Head Detail - Lead Lined

SCALE: 3" = 1'-0"

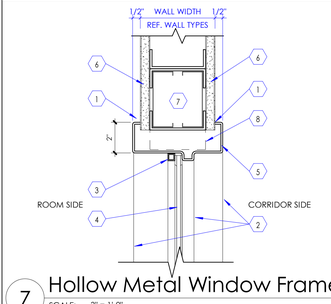


KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. WINDOW FRAME SEEN BELOW.
3. WINDOW GLAZING STOP. STOPS SHALL BE LOCATED ON THE MORE SECURE ROOM SIDE (AS OPPOSED TO THE LESS SECURE, CORRIDOR SIDE). COORDINATE WITH ARCHITECT FOR LESS AND MORE SECURE AREAS THAT ARE NOT APPARENT IN FLOOR PLAN.
4. 1/4" THICK, TEMPERED GLAZING, SEE WINDOW SCHEDULE.
5. HOLLOW METAL WINDOW FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS FOR WALL THICKNESS. PAINT FRAME.
6. GYPSUM BOARD, 5/8" THICK, TYPE 'X' TYPICAL. ATTACH TO METAL STUDS, SEE WALL TYPES.
7. WINDOW JAMB FRAMING, SEE DETAIL 11/A502A
8. STEEL ANCHORS. ATTACH TO METAL STUDS WITH #8 PAN HEAD S.M.S., TYP. WELD TO FRAME.

6 Hollow Metal Window Frame - Jamb Detail

SCALE: 3" = 1'-0"

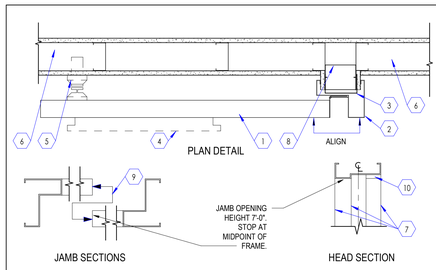


KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. WINDOW FRAME SEEN BEYOND.
3. WINDOW GLAZING STOP. STOPS SHALL BE LOCATED ON THE MORE SECURE ROOM SIDE (AS OPPOSED TO THE LESS SECURE, CORRIDOR SIDE). COORDINATE WITH ARCHITECT FOR LESS AND MORE SECURE AREAS THAT ARE NOT APPARENT IN FLOOR PLAN.
4. TEMPERED GLAZING, SEE WINDOW SCHEDULE.
5. HOLLOW METAL DOOR FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS FOR WALL THICKNESS. PAINT FRAME.
6. GYPSUM BOARD, 5/8" THICK, TYPE 'X', TYPICAL, ATTACH TO METAL STUDS. SEE WALL TYPES.
7. WINDOW HEAD FRAMING, SEE DETAIL 11/A502A
8. STEEL ANCHORS. ATTACH TO METAL STUDS WITH #8 PAN HEAD S.M.S., TYP. WELD TO FRAME.

7 Hollow Metal Window Frame - Head Detail

SCALE: 3" = 1'-0"

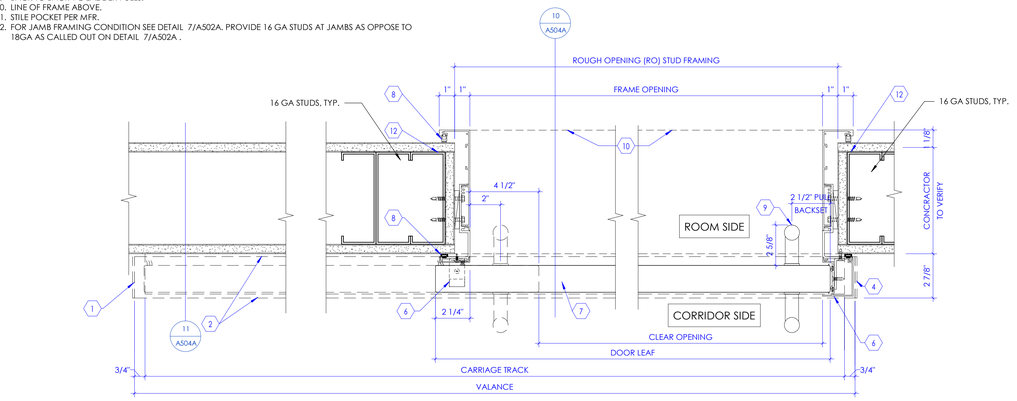


KEYED NOTES

1. DOOR AS SCHEDULED (IN OPEN POSITION). SEE SHEET A1601.
2. DOOR FRAME. SEE DOOR HEAD AND JAMB DETAILS BELOW.
3. DOOR FRAME ANCHOR.
4. PANIC DEVICE HARDWARE.
5. ELECTROMAGNETIC HOLD OPEN, WHERE OCCURS.
6. METAL STUD WALL WITH GYPSUM BOARD. SEE FLOOR PLAN FOR PARTITION TYPES.
7. DOOR JAMB BEYOND.
8. JAMB STUDS. SEE DETAIL 11/A502A FOR CONDITION AT JAMB AND HEAD.
9. ALIGN AT MIDPOINT OF FRAME.
10. DOOR STOP BEYOND.

8 Double Egress Door Detail

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

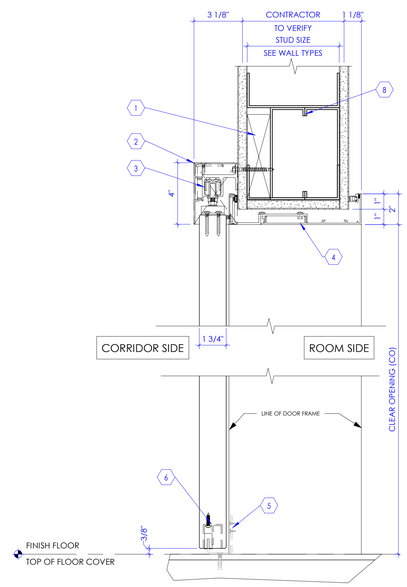


KEYED NOTES

1. VALANCE WITH END CAPS PER MFR.
2. LINE OF VALANCE ABOVE.
3. CLOSER & CARRIAGE TRACK PER MFR.
4. ALUMINUM DOOR FRAME PER MFR.
5. BOTTOM TRACK PER MFR.
6. SILL GUIDE PER MFR.
7. DOOR, SEE DOOR SCHEDULE. FINISH TO MATCH ALL NEW DOORS IN THE PROJECT.
8. EPDM GASKET BOTH SIDES PER MFR.
9. BACK TO BACK 1"ø LADDER PULLS.
10. LINE OF FRAME ABOVE.
11. STILE POCKET PER MFR.
12. FOR JAMB FRAMING CONDITION SEE DETAIL 7/A502A. PROVIDE 16 GA STUDS AT JAMBS AS OPPOSE TO 18GA AS CALLED OUT ON DETAIL 7/A502A .

9 Barn Door Plan View Detail

SCALE: 3" = 1'-0"



KEYED NOTES

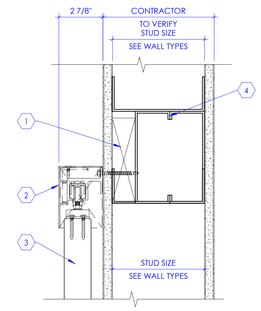
1. 2 X 6 X CONT. FIRE TREATED WOOD BLOCKING FOR THE FULL LENGTH OF VALANCE PLUS 6" ON EITHER SIDE.
2. VALANCE WITH END CAPS PER MFR.
3. CLOSER & CARRIAGE TRACK PER MFR.
4. ALUMINUM DOOR FRAME PER MFR.
5. BOTTOM TRACK PER MFR. SEEN BEYOND, NOT TO CONTINUE IN DOOR OPENING.
6. SILL GUIDE PER MFR.
7. DOOR, SEE DOOR SCHEDULE. FINISH TO MATCH ALL NEW DOORS IN THE PROJECT.
8. FOR HEADER FRAMING CONDITION SEE DETAIL 7/A502A.

10 Barn Door Detail Section Head and Sill

SCALE: 3" = 1'-0"

KEYED NOTES

1. 2 X 6 X CONT. FIRE TREATED WOOD BLOCKING FOR THE FULL LENGTH OF VALANCE PLUS 6" ON EITHER SIDE.
2. VALANCE WITH END CAPS PER MFR.
3. DOOR, SEE DOOR SCHEDULE. FINISH TO MATCH ALL NEW DOORS IN THE PROJECT.
4. FOR HEADER FRAMING CONDITION SEE DETAIL 7/A502A.



11 Barn Door Frame at Wall

SCALE: 3" = 1'-0"

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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
8/1/2025
LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

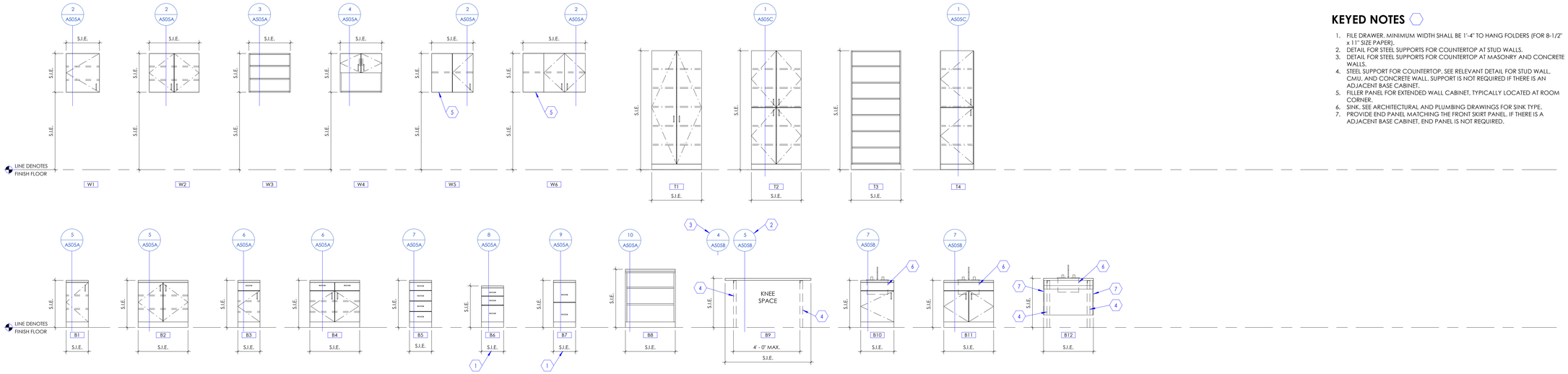
201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Door & Window Details

A504A

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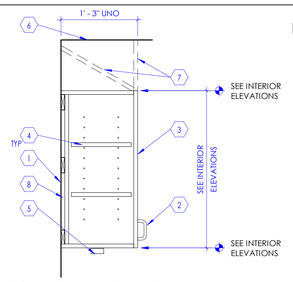
KEYED NOTES

1. FILE DRAWER. MINIMUM WIDTH SHALL BE 1'-4" TO HANG FOLDERS (FOR 8-1/2" x 11" SIZE PAPER).
2. DETAIL FOR STEEL SUPPORTS FOR COUNTERTOP AT STUD WALLS.
3. DETAIL FOR STEEL SUPPORTS FOR COUNTERTOP AT MASONRY AND CONCRETE WALLS.
4. STEEL SUPPORT FOR COUNTERTOP. SEE RELEVANT DETAIL FOR STUD WALL, CMU, AND CONCRETE WALL. SUPPORT IS NOT REQUIRED IF THERE IS AN ADJACENT BASE CABINET.
5. FILLER PANEL FOR EXTENDED WALL CABINET, TYPICALLY LOCATED AT ROOM CORNER.
6. SINK. SEE ARCHITECTURAL AND PLUMBING DRAWINGS FOR SINK TYPE.
7. PROVIDE END PANEL MATCHING THE FRONT SKIRT PANEL. IF THERE IS A ADJACENT BASE CABINET, END PANEL IS NOT REQUIRED.

1 Cabinet Legend

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

Note: See Interior Elevations (S.I.E.) for occurrence of cabinet types used in this project. Some cabinet type shown above may not be used in this project.

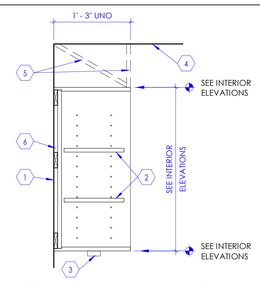


KEYED NOTES

1. LINE OF WALL.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF TWO SHELVES. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
5. SEE INTERIOR ELEVATIONS AND ELECTRICAL DRAWINGS FOR UNDER CABINET LIGHT FIXTURE LOCATIONS.
6. LINE OF CEILING. SEE REFLECTED CEILING PLAN.
7. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL **2 / A505B**
8. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

2 Wall Cabinet with Door

SCALE: 1" = 1'-0"



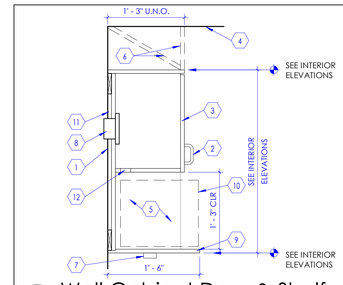
KEYED NOTES

1. LINE OF WALL
2. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF TWO SHELVES. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
3. SEE INTERIOR ELEVATIONS AND ELECTRICAL DRAWINGS FOR UNDER CABINET LIGHT FIXTURE LOCATIONS.
4. LINE OF CEILING. SEE REFLECTED CEILING PLAN.
5. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL **2 / A505B**
6. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

NOTE: ALL EXPOSED SURFACES OF CABINET INTERIOR SHALL BE COVERED WITH PLASTIC LAMINATE PER SPECIFICATION.

3 Wall Cabinet without Door

SCALE: 1" = 1'-0"

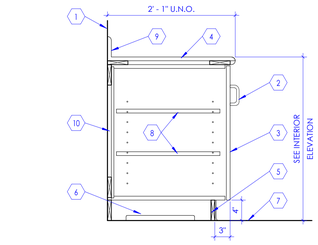


KEYED NOTES

1. LINE OF WALL
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. LINE OF CEILING. SEE REFLECTED CEILING PLAN.
5. PROVIDE PLASTIC LAMINATE FINISH ON ALL EXPOSED CABINET INTERIORS.
6. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL **2 / A505B**
7. SEE INTERIOR ELEVATIONS AND ELECTRICAL DRAWINGS FOR UNDER CABINET LIGHT FIXTURE LOCATIONS.
8. CUT BACK PANEL OF UPPER CABINET AS REQUIRED FOR POWER OUTLET FOR MICROWAVE. COORDINATE WITH ELECTRICAL CONTRACTOR.
9. PLASTIC LAMINATE BOTTOM PANEL. 1" THICK. EXTEND BOTTOM PANEL. EXPOSED CORNERS OF EXTENDED PANEL TO BE ROUNDED OFF TO A 1" RADIUS.
10. MICROWAVE. AS OCCURS.
11. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**
12. PROVIDE GROMETTE OPENING BETWEEN UPPER CABINET AND MICROWAVE CABINET FOR MICROWAVE POWER CORD.

4 Wall Cabinet Door & Shelf

SCALE: 1" = 1'-0"

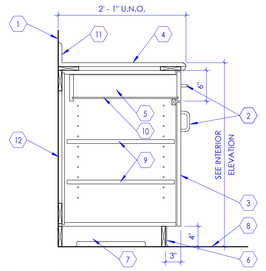


KEYED NOTES

1. LINE OF WALL, AS OCCURS. IF CABINET IS LOCATED AT AN ISLAND, PROVIDE PLASTIC LAMINATE COVERED BACK PANEL. WHERE EXPOSED. NO BACKSPLASH IS NECESSARY.
2. DOOR OR DRAWER PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
5. WALL BASE. SEE FINISH SCHEDULE.
6. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA OUTLETS THAT ARE LOCATED HERE.
7. LINE OF FLOOR.
8. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF TWO SHELVES. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
9. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
10. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

5 Base Cabinet with Door

SCALE: 1" = 1'-0"

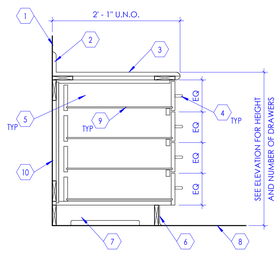


KEYED NOTES

1. LINE OF WALL, AS OCCURS. IF CABINET IS LOCATED AT AN ISLAND, PROVIDE PLASTIC LAMINATE COVERED BACK PANEL. WHERE EXPOSED. NO BACKSPLASH IS NECESSARY.
2. DOOR OR DRAWER PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
5. DRAWER. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
6. WALL BASE. SEE FINISH SCHEDULE.
7. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA OUTLETS THAT ARE LOCATED HERE.
8. LINE OF FLOOR.
9. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF TWO SHELVES. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
10. DRAWER BOTTOM PANEL. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
11. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
12. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

6 Base Cabinet with Drawer and Door

SCALE: 1" = 1'-0"

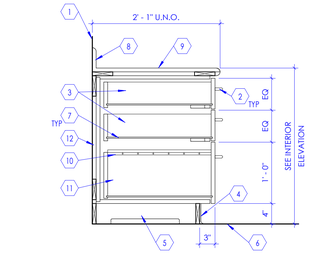


KEYED NOTES

1. LINE OF WALL, AS OCCURS. IF CABINET IS LOCATED AT AN ISLAND, PROVIDE PLASTIC LAMINATE COVERED BACK PANEL. WHERE EXPOSED. NO BACKSPLASH IS NECESSARY.
2. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
3. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
4. DRAWER PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
5. DRAWER. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
6. WALL BASE. SEE FINISH SCHEDULE.
7. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA OUTLETS THAT ARE LOCATED HERE.
8. LINE OF FLOOR.
9. DRAWER BOTTOM PANEL. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
10. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

7 Base Cabinet with Drawers

SCALE: 1" = 1'-0"

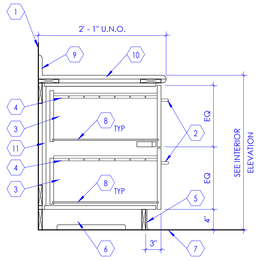


KEYED NOTES

1. LINE OF WALL
2. DRAWER PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. DRAWER. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
4. WALL BASE. SEE FINISH SCHEDULE.
5. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER. DATA OUTLETS THAT ARE LOCATED HERE.
6. LINE OF FLOOR.
7. DRAWER BOTTOM PANEL. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
8. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
9. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
10. METAL EDGE FOR HANGING FILE FOLDERS. SEE DETAIL **10 / A505B**
11. FILE DRAWER. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION. SEE DETAIL **10 / A505B**
12. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

8 Base Cabinet with Drawers

SCALE: 1" = 1'-0"

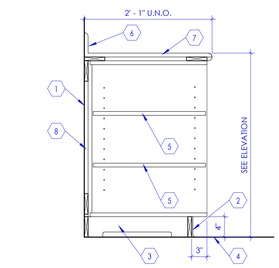


KEYED NOTES

1. LINE OF WALL.
2. DRAWER PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. FILE DRAWER. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
4. METAL EDGE FOR HANGING FILE FOLDERS. SEE DETAIL **10 / A505B**
5. WALL BASE. SEE FINISH SCHEDULE.
6. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA OUTLETS THAT ARE LOCATED HERE.
7. LINE OF FLOOR.
8. DRAWER BOTTOM PANEL. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
9. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
10. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
11. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

9 Base Cabinet with Two File Drawers

SCALE: 1" = 1'-0"



KEYED NOTES

1. LINE OF WALL, AS OCCURS. IF CABINET IS LOCATED AT AN ISLAND, PROVE PLASTIC LAMINATE COVERED BACK PANEL. WHERE EXPOSED. NO BACKSPLASH IS NECESSARY.
2. WALL BASE. SEE FINISH SCHEDULE.
3. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA OUTLETS THAT ARE LOCATED HERE.
4. LINE OF FLOOR.
5. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF TWO SHELVES. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
6. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
7. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
8. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

NOTE: ALL EXPOSED SURFACES OF CABINET INTERIOR SHALL BE COVERED WITH PLASTIC LAMINATE PER SPECIFICATION.

10 Base Cabinet without Door

SCALE: 1" = 1'-0"

NJRA ARCHITECTS

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801.364.9259
www.njraarchitects.com

STATE OF UTAH
SELVAM RAJAVELU
267857-0301
8/1/2025
LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

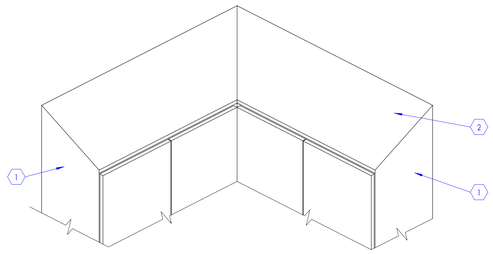
201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Cabinet Legend & Details

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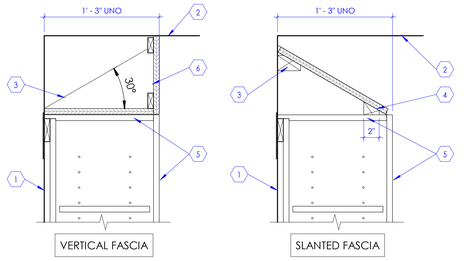


KEYED NOTES

1. END PANEL AT BOTH ENDS TO BE CONTINUOUS WITHOUT BREAK/REVEAL BETWEEN SLANTED FASCIA (DUST TOP) AND WALL OR FULL HEIGHT CABINET.
2. SLANTED FASCIA (DUST TOP), TYPICAL MITERED AT CORNER.

1 Slanted Fascia (Dust Top) Miter Detail at Corner Cabinets

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



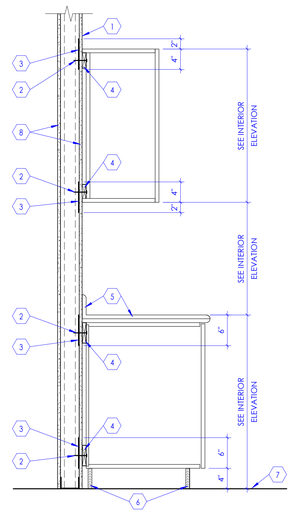
KEYED NOTES

1. LINE OF WALL
2. LINE OF CEILING, SEE REFLECTED CEILING PLAN.
3. BRACE PANEL. PROVIDE BRACE AS REQUIRED TO SUPPORT THE VERTICAL FASCIA PANEL. LOCATE BRACE AT 3'-0" O.C.
4. SLANTED FASCIA PANEL, PLASTIC LAMINATE WRAPPED OVER PLYWOOD.
5. WALL CABINET AS OCCURS.
6. VERTICAL FASCIA, PLASTIC LAMINATE WRAPPED OVER PLYWOOD.

NOTE: FOR SLANTED FASCIA CORNER CONDITION, SEE DETAIL **1 / A505B**. SEE INTERIOR ELEVATIONS FOR VERTICAL AND SLANTED FASCIA LOCATIONS.

2 Wall Cabinet Fascia

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



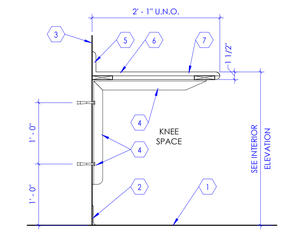
KEYED NOTES

1. LINE OF WALL.
2. FASTENERS AS REQUIRED. ALIGN WITH STUDS WHERE POSSIBLE.
3. STEEL BACKING PLATE. PLATE SHALL BE 16 GAUGE, 6" WIDE WITH REQUIRED LENGTH TO COVER CABINETS.
4. SOLID WOOD BLOCKING, TYPICALLY ATTACHED TO CABINET BODY.
5. COUNTERTOP AND BACKSPLASH, SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
6. CABINET BASE BOX, BOX SHALL BE BUILT WITH PLYWOOD, 3/4" THICK, PRESSURE TREATED. BASE BOX SHALL BE ANCHORED TO FLOOR WITH STEEL "L" CLIPS AND FASTENERS AS REQUIRED. BASE CABINET SHALL BE ATTACHED TO THE BASE BOX.
7. LINE OF FLOOR.
8. NEW WALL (OR EXISTING WALL WHERE OCCURS). SEE WALL TYPE FOR WALL CONSTRUCTION.

NOTE: WHEN CABINETS ARE MOUNTED TO CONCRETE WALL OR MASONRY (CMU BLOCKS) WALL, BACKING PLATES ARE NOT REQUIRED. PROVIDE COMPATIBLE MASONRY WALL ANCHORS AND FASTENERS TO ATTACH THE CABINETS.

3 Typical Cabinet Body Attachment to Walls

SCALE: 1" = 1'-0"

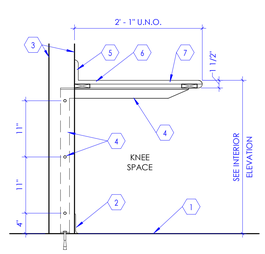


KEYED NOTES

1. LINE OF FLOOR.
2. WALL BASE. SEE FINISH SCHEDULE.
3. LINE OF MASONRY OR CONCRETE WALL AS OCCURS.
4. COUNTERTOP SUPPORT, PAINTED. SUPPORT SHALL BE STEEL ANGLE, 2"X2"X1/4", PIECES MITERED AND WELDED @ 90° ANGLE AS INDICATED CHAMFER EXPOSED EDGE (BELOW COUNTERTOP EDGE) AND GRIND ALL EXPOSED EDGES SMOOTH. ATTACH SUPPORT TO MASONRY OR CONCRETE WALL WITH 3/8" EPOXY BOLTS, AS SHOWN. SUPPORTS SHALL BE LOCATED VERTICALLY ON WALL AT 4'-0" O.C. MAXIMUM.
5. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
6. PROVIDE GROMMETS AT COMPUTER MONITOR LOCATIONS, KNEE SPACES, COUNTERTOP EQUIPMENT, ETC.
7. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**

4 Steel Support For Countertop at Masonry & Concrete Walls

SCALE: 1" = 1'-0"



KEYED NOTES

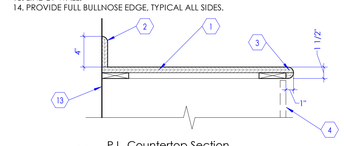
1. LINE OF FLOOR.
2. WALL BASE. SEE FINISH SCHEDULE.
3. WALL. SEE FLOOR PLAN & WALL TYPES.
4. COUNTERTOP SUPPORT, PAINTED. SUPPORT SHALL BE STEEL ANGLE, 2"X2"X1/4", PIECES MITERED AND WELDED @ 90° ANGLE AS INDICATED. CHAMFER EXPOSED EDGES SMOOTH. ATTACH SUPPORT TO METAL STUDS INSIDE WALL WITH 1/4" BOLTS, AS SHOWN. AT FLOOR, PROVIDE 3" WIDE X 6" LONG X 1/4" THICK. BASE STEEL PLATE WELDED TO VERTICAL STEEL ANGLE. ATTACH BASE PLATE TO FLOOR WITH TWO 1/2" DIAMETER ANCHOR BOLTS (ON EITHER SIDE OF THE VERTICAL ANGLE) WITH 3" MINIMUM EMBED IN CONCRETE FLOOR. CONTRACTOR SHALL REVIEW INTERIOR ELEVATIONS AND LOCATE SUPPORTS DURING WALL CONSTRUCTION. SUPPORT SPACING SHALL NOT EXCEED 4'-0" O.C. MAXIMUM.
5. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
6. PROVIDE GROMMETS AT COMPUTER MONITOR LOCATIONS, KNEE SPACES, COUNTERTOP EQUIPMENT, ETC.
7. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**

5 Steel Support for Countertop at Stud Wall

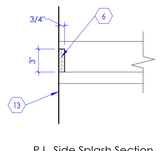
SCALE: 1" = 1'-0"

KEYED NOTES

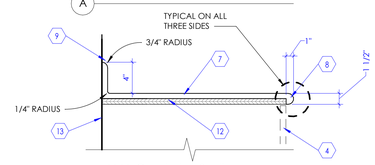
1. P.L. COUNTERTOP. PLASTIC LAMINATE WRAPPED OVER WOOD SUBSTRATE, 3/4" THICK. SUBSTRATE SHALL BE AS PER ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS FOR "PREMIUM" GRADE. PROVIDE FULL ROUND EDGE AS INDICATED. WHERE PLASTIC LAMINATE COUNTERTOP IS CALLED OUT AT SINK LOCATIONS, USE EXTERIOR GRADE MARINE PLYWOOD WITH AN IMPERVIOUS SEAL. SEE DETAIL **9 / A505B**
2. BACKSPLASH, INTEGRAL. PLASTIC LAMINATE SHALL RUN CONTINUOUSLY FROM COUNTERTOP TO BACKSPLASH. BACKSPLASH SHALL HAVE A 3/4" RADIUS EDGE AT TOP AS INDICATED.
3. PROVIDE FULL ROUND (BULL NOSE) EDGE AT ALL PLASTIC LAMINATE COUNTERTOPS, TYPICAL.
4. BASE CABINET DOOR AS OCCURS.
5. EXPOSED END OF THE COUNTERTOP SHALL BE WRAPPED WITH PLASTIC LAMINATE.
6. SIDESPLASH. PLASTIC LAMINATE OVER WOOD SUBSTRATE, 3/4" THICK. SUBSTRATE SHALL BE AS PER ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS FOR "PREMIUM" GRADE. PROVIDE CONTINUOUS CLEAR SEALANT WHERE SIDESPLASH ABUTS WALL AND COUNTERTOP. UNLESS NOTED OTHERWISE, SIDESPLASH IS REQUIRED AT ALL LOCATIONS WHERE COUNTERTOP ABUTS VERTICAL SURFACES SUCH AS WALLS, BUILDING COLUMNS, TALL CABINETS, ETC.
7. SOLID SURFACE. CONTINUOUS AND INTEGRAL COUNTERTOP, ATTACH COUNTERTOP TO BASE CABINET AND/OR STEEL SUPPORTS WHERE OCCURS.
8. PROVIDE FULL ROUND (BULL NOSE) EDGE AT ALL SOLID SURFACE COUNTERTOPS, TYPICAL.
9. SOLID SURFACE INTEGRAL BACKSPLASH. PROVIDE CONTINUOUS CLEAR SEALANT WHERE BACKSPLASH ABUTS WALL. BACKSPLASH SHALL HAVE A 3/4" RADIUS EDGE AT TOP AND 1/4" RADIUS WHERE BACKSPLASH ABUTS COUNTERTOP.
10. SOLID SURFACE INTEGRAL SIDESPLASH. PROVIDE CONTINUOUS CLEAR SEALANT WHERE SIDESPLASH ABUTS WALL AND COUNTERTOP. UNLESS NOTED OTHERWISE, SIDESPLASH IS REQUIRED AT ALL LOCATIONS WHERE COUNTERTOP ABUTS VERTICAL SURFACES SUCH AS WALLS, BUILDING COLUMNS, TALL CABINETS, ETC. SIDESPLASH SHALL HAVE A 3/4" RADIUS EDGE AT TOP AND 1/4" RADIUS WHERE SIDESPLASH ABUTS COUNTERTOP.
11. BASE CABINET AS OCCURS. SEE INTERIOR ELEVATIONS. AT KNEE SPACE LOCATIONS AND WHERE THERE ARE NO BASE CABINETS TO SUPPORT THE COUNTERTOP, PROVIDE STEEL SUPPORTS PER DETAILS **4 / A505B** AND **5 / A505B**
12. 3/4" THICK X CONTINUOUS FIRE TREATED PLYWOOD.
13. LINE OF WALL.
14. PROVIDE FULL BULLNOSE EDGE, TYPICAL ALL SIDES.



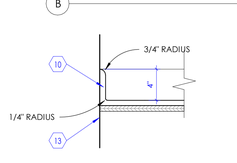
P.L. Countertop Section



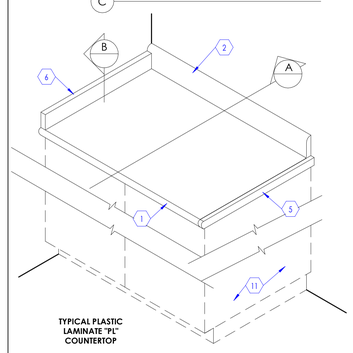
P.L. Side Splash Section



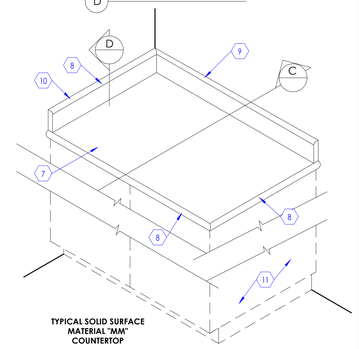
M.M. Countertop Section



M.M. Side Splash Section



TYPICAL PLASTIC LAMINATE "PL" COUNTERTOP

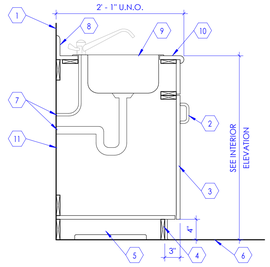


TYPICAL SOLID SURFACE MATERIAL "MM" COUNTERTOP

NOTE: SEE INTERIOR ELEVATIONS AND FINISH FLOOR PLANS FOR LOCATIONS OF DIFFERENT COUNTERTOPS ("PL" AND/OR "MM") REQUIRED IN THIS PROJECT. SEE FINISH SCHEDULE, SHEET A603A, FOR COLOR, STYLE, ETC. FOR VARIOUS COUNTERTOP MATERIALS ("PL" DENOTES PLASTIC LAMINATE AND "MM" DENOTES SOLID SURFACE MATERIAL).

6 Typical Countertop Detail

SCALE: 1" = 1'-0"



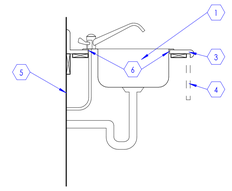
KEYED NOTES

1. LINE OF WALL, AS OCCURS. IF CABINET IS LOCATED AT AN ISLAND, PROVIDE PLASTIC LAMINATE COVERED BACK PANEL, WHERE EXPOSED. NO BACKSPLASH IS NECESSARY.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. WALL BASE. SEE FINISH SCHEDULE.
5. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER, DATA OUTLETS THAT ARE LOCATED HERE.
6. LINE OF FLOOR.
7. SEAL TIGHTLY AROUND PIPE PENETRATIONS WITH CAULKING. PROVIDE STAINLESS STEEL ESCUTCHEON PLATE AROUND DRAIN AND WATER LINES.
8. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **9 / A505B**
9. SINK. SEE PLUMBING DRAWINGS AND ARCHITECTURAL DRAWINGS FOR INTERIOR DIMENSIONS AND LOCATION. SEE DETAIL **6 / A505B**
10. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
11. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

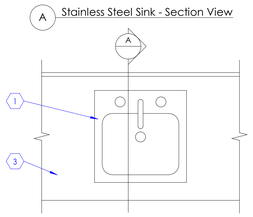
NOTE: PROVIDE LOCK AT ALL SINK CABINETS, TYPICAL.

7 Sink with Base Cabinet

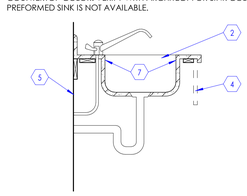
SCALE: 1" = 1'-0"



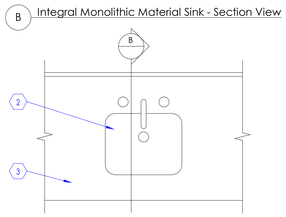
A Stainless Steel Sink - Section View



Stainless Steel Sink - Plan View



B Integral Monolithic Material Sink - Section View



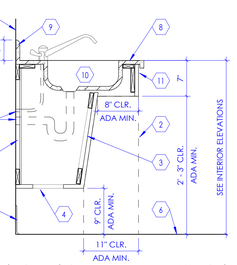
Integral Monolithic Material Sink - Plan View

KEYED NOTES

1. STAINLESS STEEL SINK. SEE PLUMBING DRAWINGS AND ARCHITECTURAL DRAWINGS FOR INTERIOR DIMENSIONS AND LOCATION.
2. INTEGRAL MONOLITHIC MATERIAL SINK. SEE PLUMBING DRAWINGS AND ARCHITECTURAL DRAWINGS FOR INTERIOR DIMENSIONS AND LOCATION.
3. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
4. BASE CABINET OR FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATIONS.
5. LINE OF WALL.
6. SEAL EXPOSED CUT EDGE OF COUNTERTOP WITH SEALER TO PREVENT WATER DAMAGE.
7. PROVIDE SMOOTH AND SEAMLESS TRANSITION WHERE SINK IS ATTACHED TO COUNTERTOP. UNLESS NOTED OTHERWISE, SINK COLOR SHALL MATCH COUNTERTOP COLOR. VERIFY WITH ARCHITECT FOR SINK COLOR IF A MATCHING PREFORMED SINK IS NOT AVAILABLE.

9 Typical Sink Detail

SCALE: 1" = 1'-0"



KEYED NOTES

1. LINE OF WALL.
2. KNEE AND TOE CLEARANCE REQUIRED FOR ADA.
3. PLASTIC LAMINATE SKIRT PANEL WITH 12" x 12" P-LAM REMOVABLE ACCESS PANEL ATTACHED WITH SCREWS AND BEAUTY WASHERS.
4. OPENING IN THE BOTTOM OF CABINET WITH 3MM PVC EDGE BANDING.
5. WALL BASE. SEE FINISH SCHEDULE.
6. LINE OF FLOOR.
7. SEAL TIGHTLY AROUND PIPE PENETRATIONS WITH CAULKING. PROVIDE STAINLESS STEEL ESCUTCHEON AROUND DRAIN AND WATER LINES.
8. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
9. INTEGRAL BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
10. SINK. SEE PLUMBING DRAWINGS. SINK SHALL PROVIDE ADA COMPLIANT BOWL DEPTH. SEE DETAIL **9 / A505B**
11. PLASTIC LAMINATE FASCIA PANEL.
12. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

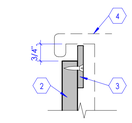
NOTE: PROVIDE STEEL SUPPORT WITHIN ASSEMBLY WHERE COUNTER IS UNSUPPORTED, TYP.

8 Sink without Base Cabinet

SCALE: 1" = 1'-0"

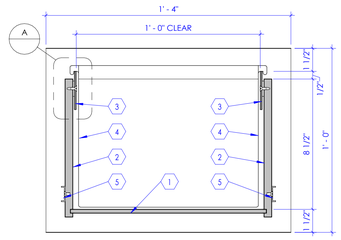
KEYED NOTES

1. DRAWER BOTTOM PANEL. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION.
2. FILE DRAWER BODY.
3. ALUMINUM STRAP (2" WIDE X 1/8" THICK) ATTACHED TO DRAWER BODY WITH FASTENERS AT 6" O.C. SHIM AS REQUIRED.
4. FILE FOLDER, OWNER FURNISHED OWNER INSTALLED ITEM.
5. DRAWER SLIDE.



A File Drawer Edge

SCALE: 6" = 1'-0"

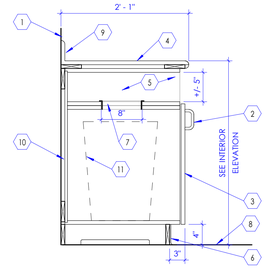


10 File Drawer Section

SCALE: 3" = 1'-0"

KEYED NOTES

1. LINE OF WALL, AS OCCURS.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. SCHEDULED COUNTERTOP WITH BULLNOSE EDGE. SEE DETAIL
5. ALL EXPOSED/SEMI-EXPOSED SURFACES TO BE PLASTIC LAMINATE COVERED.
6. WALL BASE. SEE FINISH SCHEDULE.
7. 8" DIA OPENING WITH STAINLESS STEEL GROMMET.
8. LINE OF FLOOR.
9. BACKSPLASH SEE TYPICAL COUNTERTOP DETAIL
10. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**
11. TRASH BIN, OFOI.



11 Base Cabinet for Trash with Open Apron

SCALE: 1" = 1'-0"

NJRA ARCHITECTS

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267857-0301
8/1/2025
LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236.00
Construction Documents Aug 1, 2025

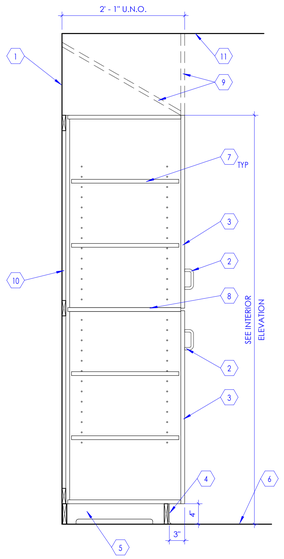
Cabinet Details

A505B

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KEYED NOTES

1. LINE OF WALL.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. WALL BASE. SEE FINISH SCHEDULE.
5. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER AND DATA OUTLETS THAT ARE LOCATED HERE.
6. LINE OF FLOOR.
7. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF FOUR SHELVES. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
8. FIXED SHELF. MULTI-CORE, 1" THICK, PREMIUM GRADE-PANEL CORE PRODUCT USED FOR LAMINATED CASEWORK.
9. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL **2 / A505B**
10. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**
11. LINE OF CEILING. SEE REFLECTED CEILING PLAN.

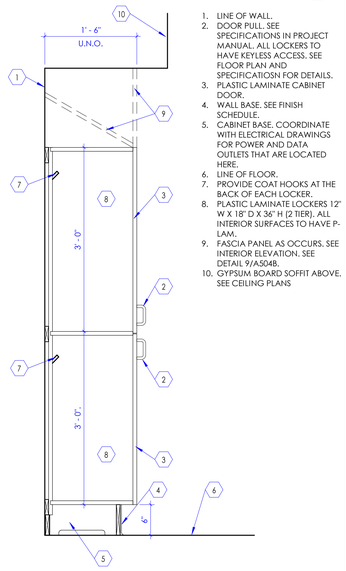


1 Tall Cabinet with Two Doors

SCALE: 1" = 1'-0"

KEYED NOTES

1. LINE OF WALL.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL. ALL LOCKERS TO HAVE KEYLESS ACCESS. SEE FLOOR PLAN AND SPECIFICATIOSN FOR DETAILS.
3. PLASTIC LAMINATE CABINET DOOR.
4. WALL BASE. SEE FINISH SCHEDULE.
5. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER AND DATA OUTLETS THAT ARE LOCATED HERE.
6. LINE OF FLOOR.
7. PROVIDE COAT HOOKS AT THE BACK OF EACH LOCKER.
8. PLASTIC LAMINATE LOCKERS 12" W X 18" D X 36" H (2 TIER). ALL INTERIOR SURFACES TO HAVE P-LAM.
9. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL 9/A504B.
10. GYPSUM BOARD SOFFIT ABOVE. SEE CEILING PLANS



2 P-LAM Lockers

SCALE: 1" = 1'-0"

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Cabinet Details

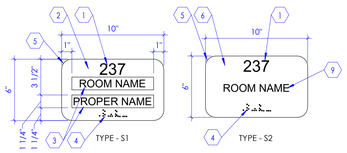
A505C

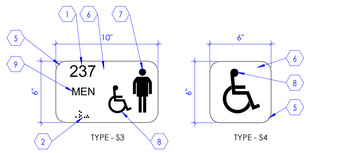
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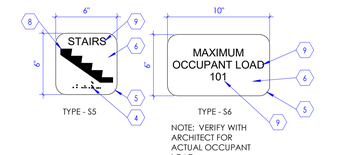
KEYED NOTES

1. ROOM NUMBER (1/32" RAISED TEXT CHARACTERS, HELVETICA FONT, MATTE FINISHED OPAQUE ACRYLIC SHEET) ATTACHED TO FRONT PANEL.
2. MATTE FINISHED OPAQUE ACRYLIC FRONT PANEL (WITH TRANSPARENT WINDOW) ATTACHED TO BASE PANEL.
3. TRANSPARENT WINDOW FOR TEXT INSERT (HELVETICA FONT). TEXT INSERT SHALL BE FURNISHED AND INSTALLED BY SIGN CONTRACTOR.
4. BRAILLE CHARACTERS AS PER ADA (AMERICANS WITH DISABILITIES ACT) REQUIREMENTS DENOTING ROOM NUMBER AND NAME.
5. RADIUS CORNER, 1" TYPICAL.
6. MATTE FINISHED OPAQUE ACRYLIC FRONT PANEL ATTACHED TO BASE PANEL.
7. PROVIDE APPROPRIATE SYMBOL FOR MEN, WOMEN, UNISEX, BOYS AND GIRLS TOILET ROOM AS OCCURS.
8. PROVIDE APPROPRIATE SYMBOL FOR STAIR, DISABLED SIGN, ETC. AS INDICATED.
9. ROOM NAME (1/32" RAISED TEXT CHARACTERS, HELVETICA FONT, MATTE FINISHED OPAQUE ACRYLIC SHEET) ATTACHED TO FRONT PANEL.
10. PROVIDE DISABLED SYMBOL AS INDICATED IN THE SIGN FOR ALL ROOMS THAT ARE WHEEL CHAIR ACCESSIBLE.
11. LINE OF WALL.
12. MATTE FINISHED, OPAQUE ACRYLIC SHEET BASE PANEL ATTACHED TO SHIM PLATE.
13. SHIM PLATE, ALUMININUM, 1/4" THICK, CONCEALED, WITH PRE-DRILLED HOLES FOR COUNTERSUNK FASTENERS. USE APPROPRIATE FASTENERS DEPENDING ON THE SUBSTRATE.
14. RECESS 1/16" FOR TEXT INSERT, FOR SIGN "TYPE - S1" ONLY.
15. SIGNAGE.
16. SIGN AT ALL ACCESSIBLE LOCATION.
17. DOOR FRAME. SEE DOOR SCHEDULE.
18. DOOR. SEE DOOR SCHEDULE.
19. OPENING IN WALL.
20. LINE OF FLOOR.

NOTE:
A. PROVIDE ROOM SIGN AT EACH DOORWAY OR A WALL OPENING LEADING TO A ROOM. SEE FINISH FLOOR PLAN FOR REQUIRED NUMBER OF SIGNS, SIGN TYPE, ROOM NAMES, ETC.
B. SIGN CONTRACTOR SHALL COORDINATE WITH OWNER AND PROVIDE TEXT INSERTS FOR OCCUPANTS PROPER NAME FOR ALL "TYPE-S1" WALL SIGNS.
C. ALL COLORS SHALL BE SELECTED BY ARCHITECT AND MOUNTED ON WALL OR DOOR PER DETAIL 'B'.

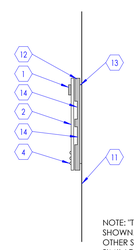






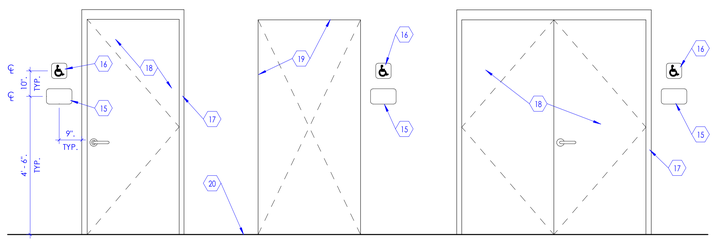
NOTE: VERIFY WITH ARCHITECT FOR ACTUAL OCCUPANT LOAD

A Sign Types
SCALE: 2" = 1'-0"



NOTE: "TYPE - S1" SIGN SHOWN. MOUNTING FOR OTHER SIGN TYPES SHALL BE SIMILAR.

B Sign Mounting
SCALE: 3" = 1'-0"



WHERE SINGLE DOOR OCCURS, MOUNT SIGNS ALONG THE LATCH SIDE.

WHERE OPENING WITH NO DOOR OCCURS, MOUNT SIGNS ALONG THE RIGHT SIDE.

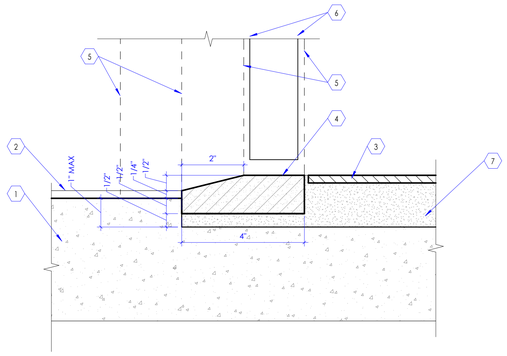
WHERE DOUBLE DOORS OCCUR, MOUNT SIGNS ALONG THE RIGHT SIDE OF THE RIGHT-HAND DOOR.

C Sign Mounting Elevations
SCALE: 1/2" = 1'-0"

1 Room Signage Detail
SCALE: N.T.S.

KEYED NOTES

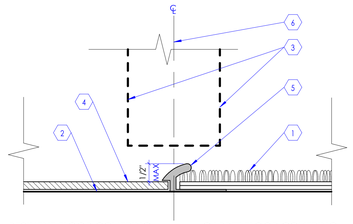
1. EXISTING CONCRETE SLAB ON GRADE.
2. LINE OF FINISH FLOOR. SEE FINISH SCHEDULE. PROVIDE A SMOOTH TRANSITION BETWEEN THE FINISHED FLOOR AND DOOR THRESHOLD.
3. TILE. SEE FINISH SCHEDULE. GENTLY SLOPE SETTING BED TOWARDS DRAIN.
4. CUSTOM PROFILE MARBLE OR SOLID SURFACE THRESHOLD. SLOPE NOT TO EXCEED 1:2.
5. DOOR FRAME (AS OCCURS). SEE DOOR SCHEDULE.
6. DOOR (AS OCCURS). SEE DOOR SCHEDULE.
7. SAW CUT AND CHIP AWAY EXISTING CONCRETE SLAB AS INDICATED.



4 Solid Surface/Marble/Quartz Threshold
SCALE: 6" = 1'-0"

KEYED NOTES

1. CARPET FLOOR COVERING AS OCCURS. SEE FINISH SCHEDULE.
2. LINE OF FLOOR.
3. DOOR AS OCCURS.
4. FLOOR COVERING (VINYL COMPOSITION TILE, LUXURY VINYL TILE, ETC. AS OCCURS). SEE FINISH SCHEDULE.
5. RUBBER TRANSITION STRIP. FUSION TRANSITION STRIP BY MANNINGTON COMMERCIAL. ATTACH TRANSITION STRIP TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS.
6. CENTERLINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.

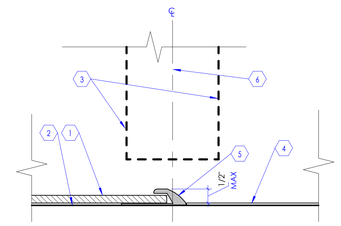


RESILIENT FLOOR COVERING (VCT, LVT) TO CARPET FLOOR COVERING (CARPET TILE, BROADLOOM, WALK OFF MAT)

5 Floor Covering Transition Detail
SCALE: 12" = 1'-0"

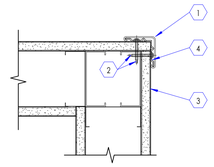
KEYED NOTES

1. FLOOR COVERING (VINYL COMPOSITION TILE, LUXURY VINYL TILE, ETC. AS OCCURS). SEE FINISH SCHEDULE.
2. LINE OF FLOOR.
3. DOOR AS OCCURS.
4. LIQUID APPLIED FINISH (OPAQUE SEALER, CLEAR SEALER, ETC.). SEE FINISH SCHEDULE.
5. RUBBER TRANSITION STRIP. FUSION TRANSITION STRIP BY MANNINGTON COMMERCIAL. ATTACH TRANSITION STRIP TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS.
6. CENTERLINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.



RESILIENT FLOOR COVERING (VCT, LVT) TO FINISH SUBSTRATE (CONCRETE, GYPCRETE, WOOD)

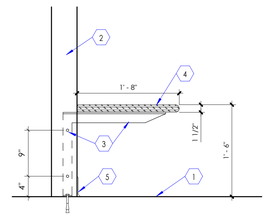
6 Floor Covering Transition Detail
SCALE: 12" = 1'-0"



2 Corner Guard Detail
SCALE: 3" = 1'-0"

KEYED NOTES

1. HIGH IMPACT CORNER GUARD WITH ALUMINUM RETAINER. 2' X 2' X HEIGHT INDICATED, SURFACE MOUNTED CORNER GUARD.
2. SELF-TAPPING SCREWS
3. GYPSUM WALL BOARD AS OCCURS, SEE WALL TYPES.
4. CONTINUOUS ALUMINUM RETAINER.



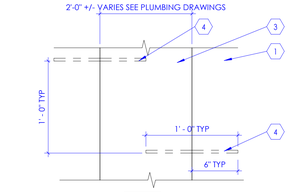
3 ADA Dressing Room Bench
SCALE: 1" = 1'-0"

KEYED NOTES

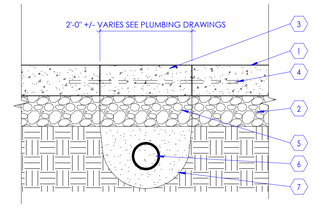
1. LINE OF FLOOR
2. SCHEDULED PARTITION. SEE WALL TYPES ON SHEET A501A. USE 16 GA STUDS AT STEEL SUPPORT LOCATIONS.
3. COUNTERTOP SUPPORT, PAINTED. SUPPORT SHALL BE STEEL ANGLE 2" X 2" X 1/4" AND LENGTH AS SHOWN. PIECES MITERED AND WELDED @ 90° ANGLES AS INDICATED. CHAMFER EXPOSED EDGE (BELOW COUNTERTOP)AND GRIND ALL ELL EXPOSED EDGES SMOOTH. ATTACH SUPPORT TO 14 GA METAL STUDS INSIDE WALL WITH 1/4" BOLTS, AS SHOWN. AT FLOOR, PROVIDE 3" WIDE X 6" LONG X 1/4" THICK STEEL BASE PLATE WELDED TO VERTICAL STEEL ANGLE ON EITHER SIDE OF SUPPORT. ATTACH BASE PLATE TO FLOOR WITH TWO 1/2" DIA. ANCHOR BOLTS (ON EITHER SIDE OF THE VERTICAL ANGLE)WITH 3" MINIMUM EMBED IN CONCRETE FLOOR. CONTRACTOR SHALL REVIEW INTERIOR ELEVATIONS AND LOCATE SUPPORTS DURING WALL CONSTRUCTION
4. SOLID WOOD BENCH, 1-1/2" THICK. STAIN TO MATCH P-LAM.
5. WALL BASE. SEE FINISH SCHEDULE

KEYED NOTES

1. EXISTING CONCRETE SLAB TO REMAIN.
2. EXISTING DRAINAGE COURSE TO REMAIN V.I.F.
3. NEW CONCRETE SLAB TO MATCH EXISTING .
4. #3 EPOXY DOWEL TYP. PROVIDE 6" MIN. EMBEDMENT.
5. NEW DRAINAGE COURSE MATCH EXISTING.
6. NEW PLUMBING LINE OR CONDUIT AS OCCURS. SEE PLUMBING/ELECTRICAL DRAWINGS.
7. NEW SAND BED PROVIDE 3" MIN. COVER ALL AROUND NEW PLUMBING LINE/CONDUIT TYP.



PLAN



SECTION

7 Concrete Trench Repair Detail
SCALE: 1 1/2" = 1'-0"

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LICENSED ARCHITECT

Intermountain Health
Layton Hospital
Mammography

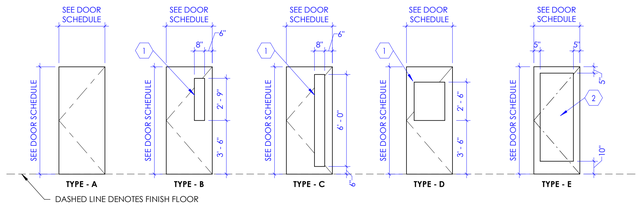
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NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Details

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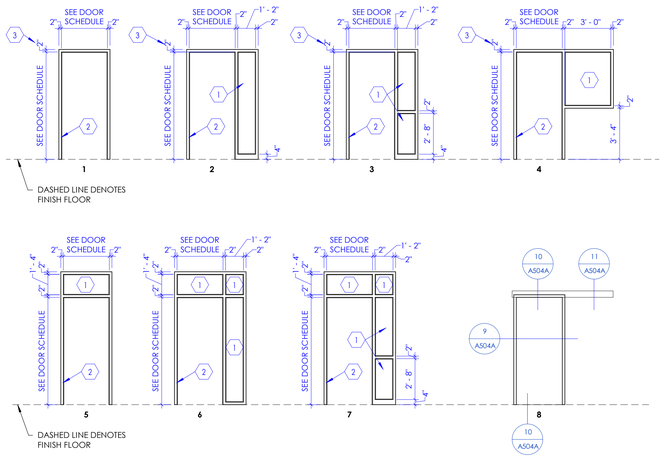
1 Door Types

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

KEYED NOTES

1. VISION PANEL. GLAZING IN VISION PANEL SHALL BE 1/4" THICK, CLEAR, TEMPERED, GLAZING. FOR WOOD DOOR, PROVIDE WOOD TRIM FRAME FLUSH WITH THE FACE OF THE DOOR, AROUND THE VISION PANEL OPENING. STAIN AND SPECIES OF WOOD TRIM SHALL MATCH WOOD DOOR. FOR HOLLOW METAL DOOR, PROVIDE METAL TRIM AROUND VISION PANEL. GLAZING SHALL BE FIRE RATED IF DOORS ARE REQUIRED TO BE FIRE RATED.
2. FOR EXTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE TINTED, INSULATED, TEMPERED, LOW E, AND 1" THICK. FOR INTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE CLEAR, TEMPERED AND 1/4" THICK.
3. STAINLESS STEEL WELDED WIRE MESH (15 GAUGE) ATTACHED TO DOOR. PROVIDE FRAME AROUND THE OPENING IN DOOR TO SECURE THE MESH IN PLACE.
4. METAL LOUVER IN DOOR FOR VENTILATION.

NOTE: REFER TO "DOOR SCHEDULE" TABLE FOR DOOR TYPES REQUIRED FOR THIS PROJECT. SOME DOOR TYPE ELEVATIONS INDICATED ABOVE, MAY NOT BE APPLICABLE TO THIS PROJECT.



2 Frame Types

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

KEYED NOTES

1. GLAZING SHALL BE CLEAR, TEMPERED, AND 1/4" THICK.
2. DOOR FRAME. SEE DOOR SCHEDULE.
3. WHERE DOOR OCCURS AT MASONRY WALL (8" HIGH, C.M.U. BLOCKS), AND WITH A TYPICAL DOOR HEIGHT OF 7' - 0", USE 4" FRAME AS FRAME HEAD INSTEAD OF THE STANDARD 2" FRAME.

NOTE: REFER TO "DOOR SCHEDULE" FOR FRAME TYPES REQUIRED FOR THIS PROJECT. SOME FRAME TYPE ELEVATIONS INDICATED ABOVE MAY NOT BE APPLICABLE TO THIS PROJECT.

DOOR SCHEDULE

DOOR #	DOOR							FRAME			DETAILS			DOOR #	FIRE RATING (MINUTES)	HARDWARE GROUP	COMMENTS
	# OF PANELS	WIDTH		SIZE				TYPE (2/A601A)	DEPTH	MATERIAL	JAMB	HEAD	THRESHOLD				
		W1	W2	HEIGHT	THICKNESS	MATERIAL	TYPE (1/A601A)										
A101	1	3' - 6"		7' - 0"	1 3/4"	WD	B	1	5 7/8"	HM	1/A504A	1/A504A	A506A	A101		1.0	
A102	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A506A	A102		2.0	1
A103	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A506A	A103		3.0	
A105	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A506A	A105		4.0	2
A106	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A506A	A106		5.0	
A108	1	3' - 4 1/2"		7' - 0"	1 3/4"	WD	B	8	PER MFR	AL	9/A504A	10/A504A	A506A	A108		6.0	3
A109	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	4/A506A	A109		7.0	
A110	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A506A	A110		8.0	

COMMENTS

1. AUTOMATED DOOR
2. CARD ACCESS AND AUTOMATED DOOR
3. SLIDING BARN DOOR. CLEAR OPENING TO BE 3' - 0". WALL THICKNESS: 4 7/8". VERIFY EXACT DOOR LEAF SIZE WITH DOOR MANUFACTURER

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NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Door Schedule

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GENERAL PLAN SYMBOLS

- PLAN REVISION NUMBER
- DETAIL NUMBER ON SHEET / SHEET NUMBER WHERE DETAIL IS PLACED
- KEYNOTE SYMBOL
- CONTINUATION SYMBOL
- POINT WHERE NEW CONNECTS TO EXISTING
- POINT WHERE EXISTING IS TO BE DEMOLISHED
- Room 1 — ROOM NAME / NUMBER
- AREA BEING DEMOLISHED
- AREA NOT IN CONTRACT

ABBREVIATIONS

Ø	ROUND
ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DW	DISTILLED WATER
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EA	EXHAUST AIR
EXIST	EXISTING
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT/FEET
FTR	FIN TUBE RADIATION
GAL	GALLON
GF	GAS-FIRED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HB	HOSE BIB
HP	HORSE POWER
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LB/HR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAX	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
MUA	MAKE-UP/AIR
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OXYGEN
O/A	OUTSIDE AIR
ORD	OVERFLOW ROOF DRAIN
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PWR	POWER
R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
RH	RELATIVE HUMIDITY
RLA	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER
SF	SQUARE FOOT
S/A	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FOOT
SD	SMOKE DAMPER
SM	SURFACE MOUNT
SP	STANDPIPE
SP	STATIC PRESSURE
STM	STEAM
T	THERMOSTAT
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
VAC	VACUUM
V	VENT
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CH	CHILLER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CHWP	CHILLED WATER PUMP
DBP	DOMESTIC WATER BOOSTER PUMP
DC	DUCT MOUNTED COIL
DCP	DOMESTIC WATER CIRCULATING PUMP
EF	EXHAUST FAN
EDC	ELECTRIC DUCT COIL
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCU	FAN COIL UNIT
FP	FIRE PUMP
GI	GREASE INTERCEPTOR
GRV	GRAVITY ROOF VENTILATOR
HWP	HEATING WATER PUMP
HRU	HEAT RECOVERY UNIT
PRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOFTOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

* NOTE *
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

HVAC SYMBOLS

- 24"x12" — SQ. DUCT SIZE (WIDTH X HEIGHT)
- 24"/12" FO — OVAL DUCT SIZE (WIDTH / HEIGHT)
- 18"Ø — ROUND DUCT SIZE (DIAMETER)
- (E) — EXISTING DUCT TO REMAIN
- DUCT TO BE DEMOLISHED
- SA — SUPPLY AIR - LOW PRESSURE
- SA — SUPPLY AIR - MEDIUM PRESSURE
- VA — VENTILATION AIR
- OA — OUTDOOR AIR
- RA — RETURN AIR
- TA — TRANSFER AIR
- RLA — RELIEF AIR
- EA — GENERAL EXHAUST AIR
- GEA — GREASE EXHAUST DUCT
- LH — LABORATORY HOOD
- FLUE — FLUE GAS VENT
- C/A — COMBUSTION AIR
- RECT. SUPPLY DUCT RISE / DROP
- ROUND SUPPLY DUCT RISE / DROP
- RECT. RETURN DUCT RISE / DROP
- ROUND RETURN DUCT RISE / DROP
- RECT. EXHAUST DUCT RISE / DROP
- ROUND EXHAUST DUCT RISE / DROP

GRILLE, REGISTER, DIFFUSERS

SQUARE CEILING DIFFUSER — CD3 | 500 | 10"Ø/24x24 | 29 HE/S/17
- TYPE (SEE SCHEDULE)
- AIRFLOW
- NECK SIZE / MODULE SIZE
- CATALOG THROW PERFORMANCE
- THROW PATTERN
- MAX NC RATING

ROUND CEILING DIFFUSER — CD11 | 100 | 6"Ø | TYP. X 4
- AIRFLOW
- NECK SIZE
- TYPE COUNT FOR SPACE

SIDEWALL SUPPLY GRILLE — SG1 | 500 | 18"x10" | AFF-9'-0"
- AIRFLOW
- NOMINAL DUCT SIZE
- MOUNTING ELEVATION (CENTERLINE)

LINEAR DIFFUSER — LD8 | 200 | 8'/0.2s/4'-0"L
- AIRFLOW
- NECK SIZE/ SLOT(S)/ ACTIVE LENGTH

SIDEWALL RETURN GRILLE — RG1 | 800 | 16"x16" | AFF-9'-0"
- AIRFLOW
- NOMINAL DUCT SIZE
- MOUNTING ELEVATION (CENTERLINE)

CEILING RETURN — RG2 | 500 | 12"x12"/24x24 | 2S
- AIRFLOW
- NECK SIZE / MODULE SIZE
- MAX NC RATING

MECHANICAL EQUIPMENT

- RTU-1 — UNIT IDENTITY
- 10.0 ton — NOMINAL COOLING CAPACITY
- RTU-1 / 180000 Btu/h / 180 CFH — HEATING CAPACITY / GAS SUPPLY INPUT RATE
- ET-1 / 379 lb — OPERATING WEIGHT
- EF-XX / 500 CFM — DESIGN AIRFLOW RATE
- VAV 1-2 / 3.7 GPM — DESIGN WATER FLOW
- AC-1 / AFF-7'-0" — BOTTOM OF EQUIPMENT HEIGHT
- (E)AHU-2 — EXISTING TO REMAIN EQUIPMENT
- (R)AHU-3 — EXISTING RELOCATED EQUIPMENT
- EQUIPMENT BY OTHERS (REFER TO OTHER DISCIPLINES)

DAMPER TYPES

- MANUAL DAMPER
- MOTORIZED (ATC) DAMPER
- BACKDRAFT DAMPER
- SMOKE DAMPER
- FIRE DAMPER
- COMB. FIRE/ SMOKE DAMPER

MECHANICAL PIPING SYMBOLS

- 2" — NOMINAL PIPE SIZE
- ABOVE GROUND PIPING
- BELOW GROUND PIPING
- 1/8" / 12" SLOPE — PIPE SLOPE (WHEN APPLICABLE)
- (E) — EXISTING PIPE TO REMAIN
- PIPE TO BE DEMOLISHED
- CHWR — CHILLED-WATER RETURN
- CHWS — CHILLED-WATER SUPPLY
- GCHWR — GLYCOL CHILLED-WATER RETURN
- GCHWS — GLYCOL CHILLED-WATER SUPPLY
- CD — CONDENSATE DRAIN
- CWR — CONDENSER-WATER RETURN
- CWS — CONDENSER-WATER SUPPLY
- GHWR — GLYCOL HEAING-WATER RETURN
- GHWS — GLYCOL HEATING-WATER SUPPLY
- GWR — GROUND LOOP-WATER RETURN
- GWS — GROUND LOOP-WATER SUPPLY
- HWR — HOT-WATER RETURN
- HWS — HOT-WATER SUPPLY
- NER — NET ENERGY LOOP RETURN
- NES — NET ENERGY LOOP SUPPLY
- G — NATURAL GAS
- LP — LIQUID PROPANE
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT GAS
- RD — REFRIGERANT DISCHARGE
- LPS — LOW PRESSURE STEAM
- LPCR — CONDENSATE RETURN (LOW PRESSURE)
- PC — PUMPED CONDENSATE
- HPS — HIGH PRESSURE STEAM
- HPCR — CONDENSATE RETURN (HIGH PRESSURE)
- PIPE RISE / DROP

VALVE TYPES

- SHUTOFF — BALL VALVE
- BAL — BALANCING VALVE
- BFV — BUTTERFLY VALVE
- CHECK — CHECK VALVE
- CHECK — ALTERNATE CHECK VALVE
- CIRC — CIRCUIT SETTER
- GATE — GATE VALVE
- GLOBE — GLOBE VALVE
- LOCK — LOCKED SHIELD VALVE
- PRV — PRESSURE REDUCING VALVE
- QUICK — QUICK OPENING VALVE
- STRAIN — FLUID STRAINER
- M-CNTRL — ELEC. CONTROL VALVE
- 3-WAY CNTRL — 3-WAY ELEC. VALVE
- GAS-CNTRL — EMERGENCY GAS SHUTOFF
- PLUG — PLUG VALVE
- GAS COCK — GAS SHUTOFF COCK
- REG — GAS REGULATOR

MECHANICAL DEVICES

AHU-1 — UNIT IDENTITY

- TS — TEMPERATURE SENSOR
- TH — TEMPY HUMIDITY SENSOR
- TC — TEMPY CO2 SENSOR
- T — THERMOSTAT
- H — HUMIDISTAT
- HS — HUMIDITY SENSOR
- CO2 — CARBON DIOXIDE DETECTOR
- CO — CARBON MONOXIDE DETECTOR
- HZ — HYDROGEN GAS DETECTOR
- HZG — HAZARDOUS GAS DETECTOR
- NO2 — NITROGEN DIOXIDE DETECTOR
- OZ — OXYGEN GAS DETECTOR

HVAC GENERAL NOTES

1. COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES, AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
2. SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
3. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
4. COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.
5. THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFF/TEST SWITCH AT EACH LOCATION.
6. PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
7. INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE. SEE DETAILS, TYPICAL.
8. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER AND ADJUST SHEET METAL DIMENSION.
9. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
10. PROVIDE AND INSTALL HIGH-EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
11. PROVIDE AND INSTALL HIGH-EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
12. WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
13. AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
14. THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
15. ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. PROVIDE EQUIPMENT TAG TO MATCH SCHEDULE. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
16. PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MINIMUM 24" X 24".
17. FLEX DUCT IS REQUIRED FOR ALL DIFFUSERS AND GRILLES INSTALLED IN LAY-IN CEILINGS. FOR DIFFUSERS AND GRILLES IN HARD LID CEILINGS, THE DUCTWORK SHALL BE EXTENDED ALL THE WAY TO THE DIFFUSER AND SHALL BE CONNECTED WITH A HARD CONNECTION OR A FLEX DUCT CONNECTION WITH A MUD RING AND LAY-IN DIFFUSER AS SHOWN ON PLANS.
18. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
19. PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION. WHERE THERE ARE HARD CEILINGS, THE CONTRACTOR SHALL PROVIDE 24" X 24" ACCESS DOOR.
20. SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
21. CONTRACTOR SHALL LOCATE AND TEMPERATURE SENSORS AT 4'-0" AFF, A MINIMUM OF 8" FROM LIGHT SWITCH, UNLESS OTHERWISE NOTED ON THE ARCHITECT'S ELEVATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
22. REFER TO MECHANICAL PIPING OR ZONING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
23. CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
24. PROVIDE A 6" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT THAT IS FLOOR MOUNTED. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
25. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
26. THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

PROJECT REQUIREMENTS

1. THE PROJECT GENERAL NOTES APPLY TO ALL.
2. REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE SCOPE OF WORK SPACE AND WITHIN CLOSE PROXIMITY TO THE SCOPE OF WORK SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
4. THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE OWNER'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
5. WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
6. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
7. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
8. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
9. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
10. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 15'-0" FROM EDGE OF ROOF.
11. COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
12. FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
13. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
14. TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
15. REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
16. ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
17. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
18. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
19. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
20. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
21. LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT, AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
22. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
23. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
24. DETAILS REFERENCE ALL SHEETS.
25. INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
26. ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
27. LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STANDING ON A LADDER PLACED BELOW THE CEILING ACCESS.
28. WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
29. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
30. CONTRACTOR TO PROVIDE DELEGATED DESIGN OF SEISMIC BRACING AS A DEFERRED SUBMITTAL, SEE SPECIFICATION 23 0548 - VIBRATION AND SEISMIC CONTROLS FOR HVAC.
31. CONTRACTOR TO PROVIDE BIM COORDINATION AND VIRTUAL DESIGN AND CONSTRUCTION SERVICES TO A XXX LEVEL OF DETAIL. SEE SPECIFICATION 23 0099-BIM COORDINATION.

MECHANICAL PIPING GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.
2. UNLESS OTHERWISE NOTED: ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
3. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
4. ALL VALVES SHALL BE INSTALLED SO THAT VALVES REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
5. PROVIDE AIR VENT AT HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
6. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION AND TAGGED.
7. PROVIDE ISOLATION VALVES AT EACH EXIST/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
8. COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL PLANS OR SPECIFICATIONS.
9. ALL PIPING UTILIZED IN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS SHALL COMPLY WITH NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/0/0, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
10. WHERE NON-PLENUM-RATED PIPING IS PERMITTED OR REQUIRED WITHIN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS, IT SHALL BE INSULATED TO ACHIEVE NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/0/0, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

HVAC SHEET INDEX

M001	HVAC TITLE SHEET
M2101	LEVEL 1 HVAC ZONE PLAN
M101	LEVEL 1 HVAC DEMO AND NEW PLANS
MP101	LEVEL 1 MECHANICAL PIPING DEMO AND NEW PLANS
M500	MECHANICAL DETAILS
M600	MECHANICAL SCHEDULES

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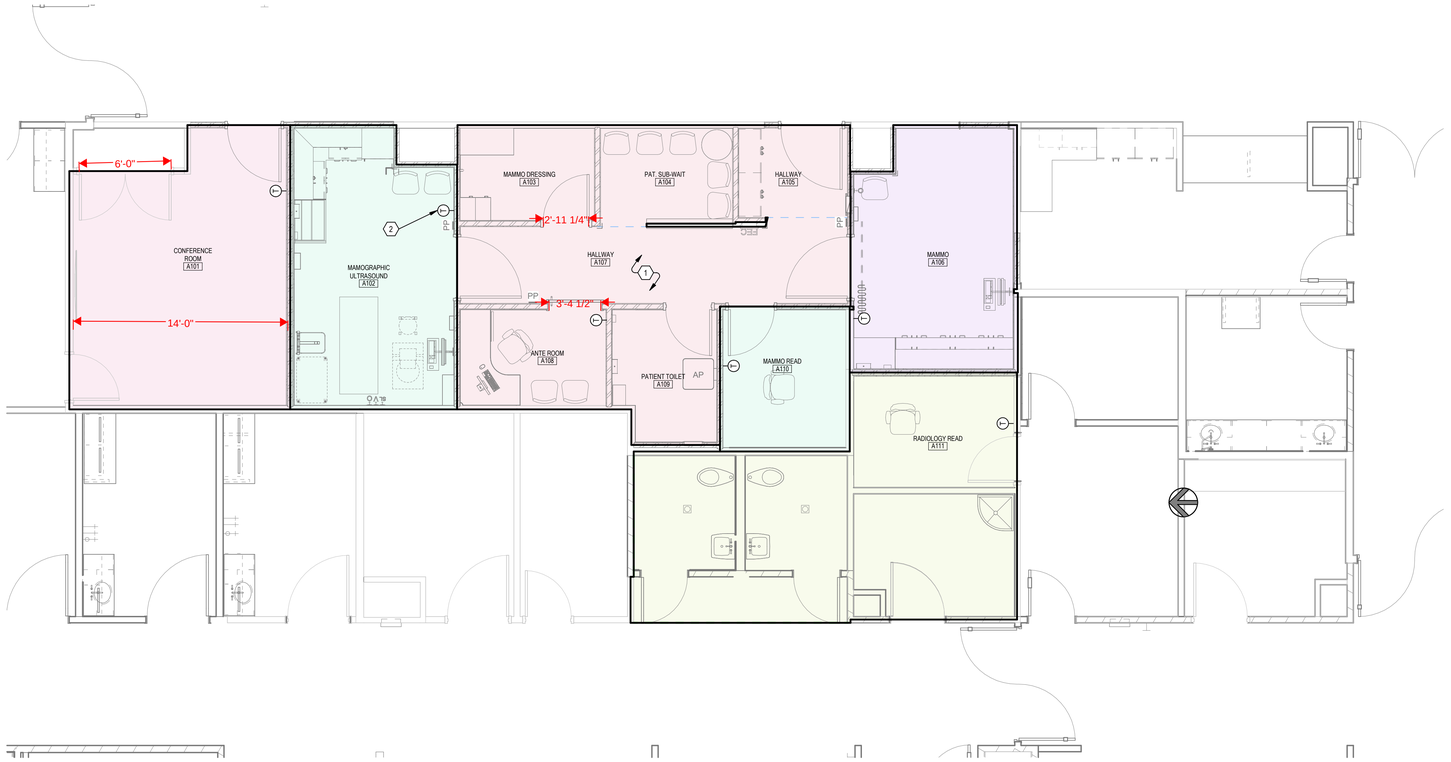
HVAC TITLE SHEET

M001

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KEYNOTES

1. COLORED REGIONS REPRESENT INDIVIDUALLY CONTROLLED THERMAL ZONE BOUNDARIES.
2. NEW THERMOSTAT. COORDINATE EXACT PLACEMENT OF THERMOSTAT WITH ARCHITECTURAL ELEVATIONS. TYPICAL.



1 MZ101 LEVEL 1 HVAC ZONE PLAN
1/4" = 1'-0"

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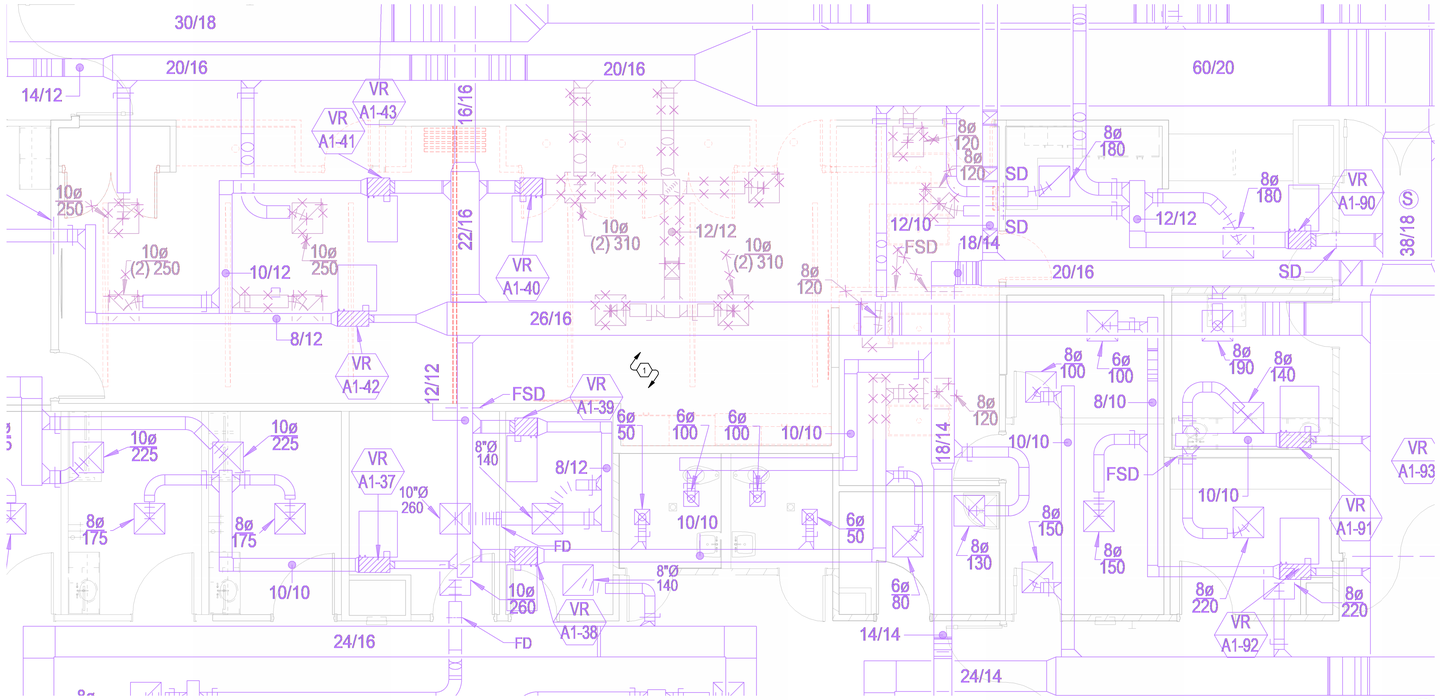
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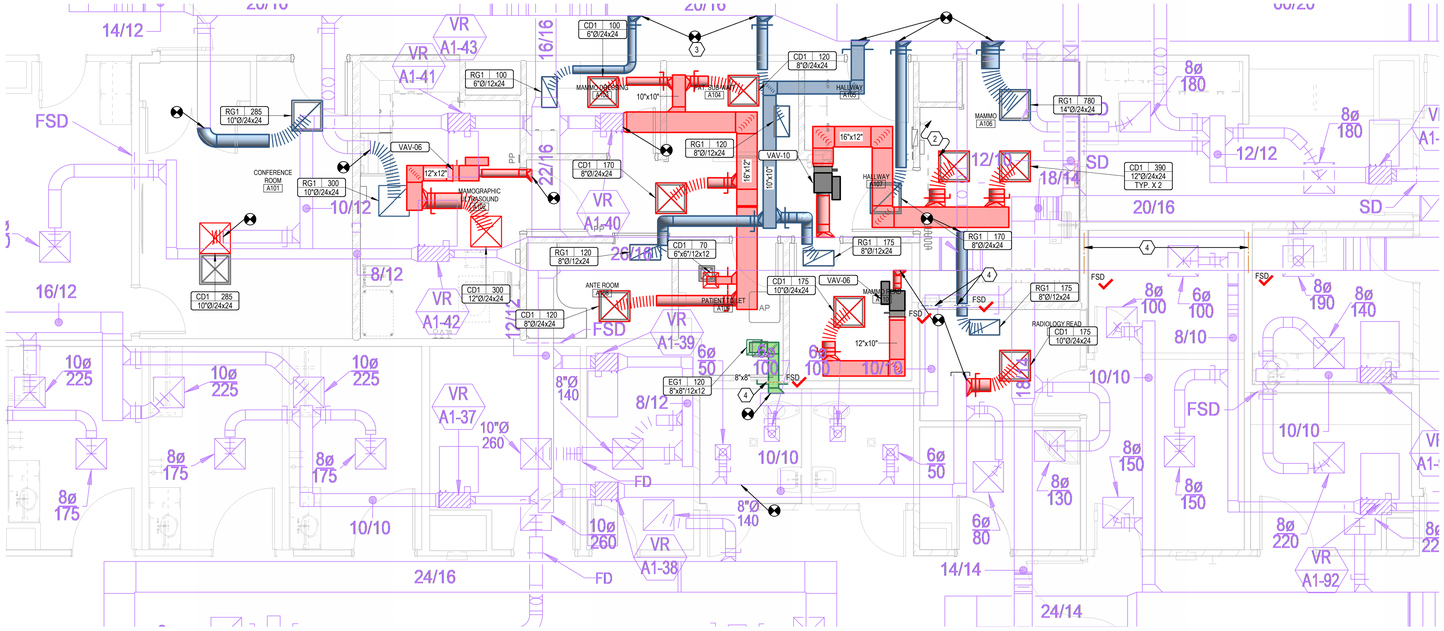
LEVEL 1 HVAC ZONE PLAN

MZ101

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1 M101 LEVEL 1 MECHANICAL DEMO PLAN
1/4" = 1'-0"



2 M101 LEVEL 1 MECHANICAL HVAC PLAN
1/4" = 1'-0"

KEYNOTES

1. EXISTING SHOWN PURPLE AND LIGHT TO REMAIN. ITEMS SHOWN DARK AND CROSSED OUT TO BE REMOVED. CAP ALL UNUSED DUCTWORK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2. EXISTING SHOWN PURPLE AND LIGHT TO REMAIN. NEW WORK SHOWN COLORED AND DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
3. CONNECT TO EXISTING DUCT AT APPROXIMATELY THIS POINT. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
4. INSTALL NEW FIRE/SMOKE DAMPER ALONG 2 HR RATED WALL.

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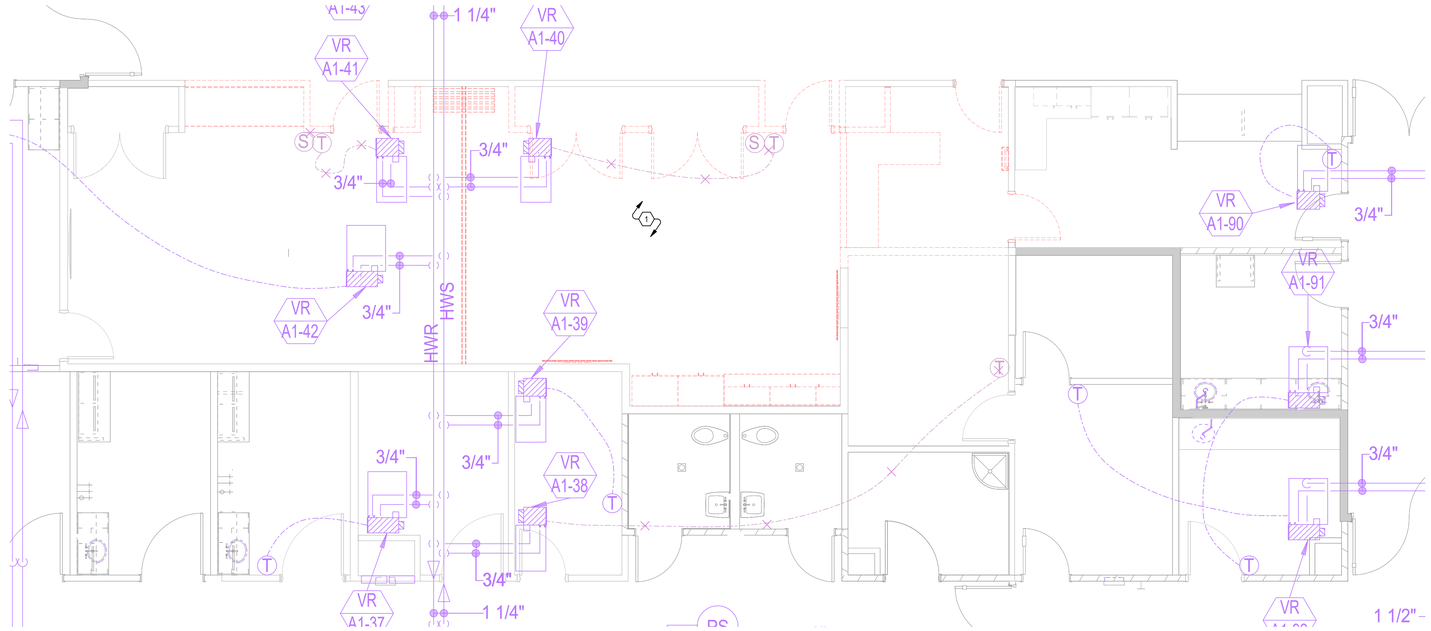
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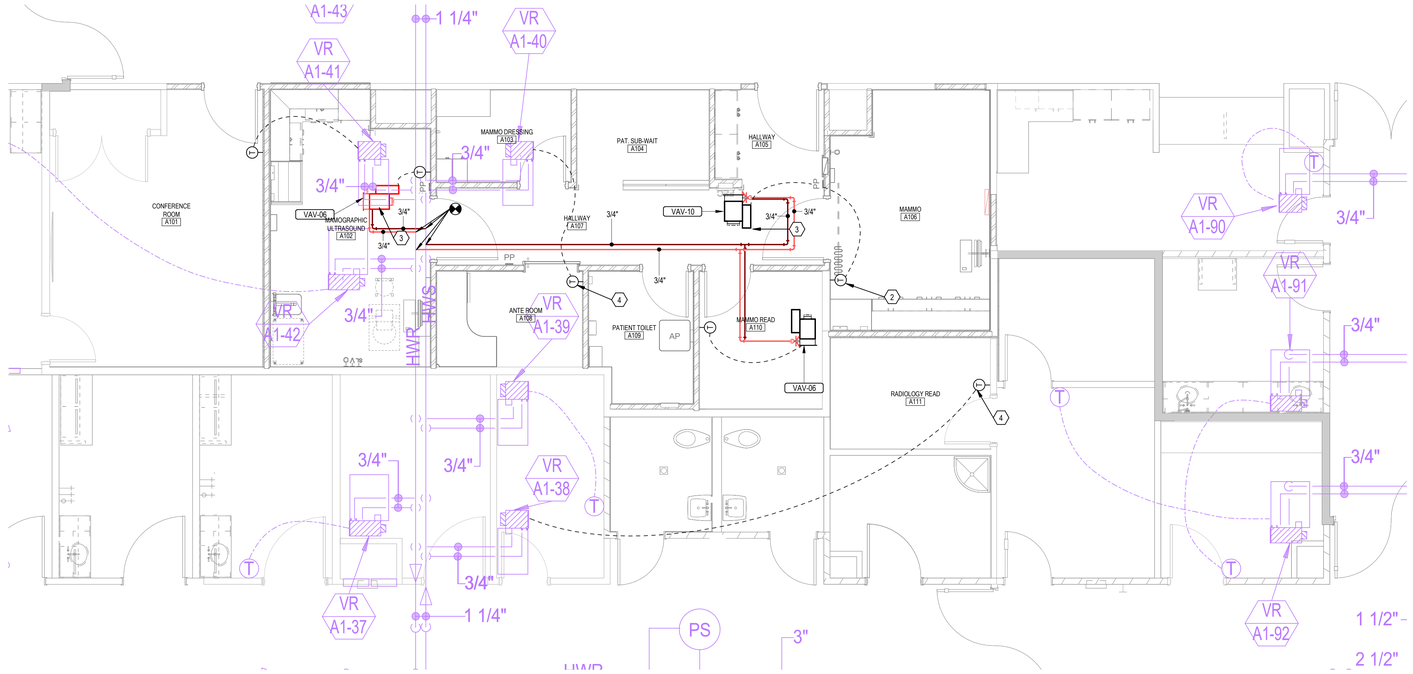
LEVEL 1 HVAC DEMO AND NEW PLANS

M101

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2 MP101 LEVEL 1 MECHANICAL PIPING DEMO PLAN
1/4" = 1'-0"



1 MP101 LEVEL 1 MECHANICAL PIPING PLAN
1/4" = 1'-0"

KEYNOTES

1 REMOVE EXISTING THERMOSTAT AND WIRING SHOWN DARK AND CROSSED OUT. TYPICAL.
2 NEW THERMOSTAT. COORDINATE EXACT PLACEMENT OF THERMOSTAT WITH ARCHITECTURAL ELEVATIONS. TIE TO VAV BOX CONTROLS. TYPICAL.
3 NEW VAV BOX. CONNECT TO HEATING WATER PIPING. SEE MECHANICAL SCHEDULES.
4 CONNECT NEW THERMOSTAT TO EXISTING VAV BOX CONTROLS.

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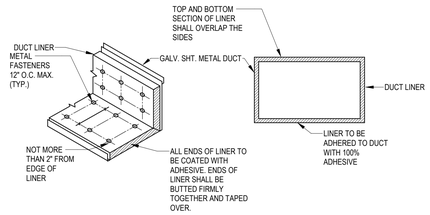
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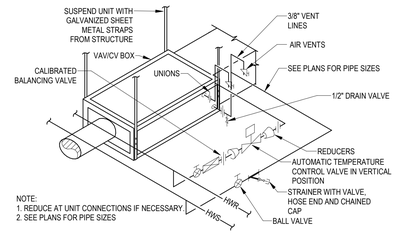
LEVEL 1 MECHANICAL PIPING DEMO AND NEW PLANS

MP101

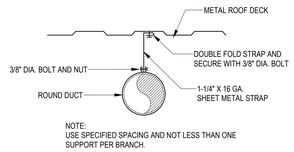
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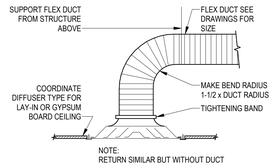
5 M500 RECTANGULAR DUCT LINER DETAIL
12" = 1'-0"



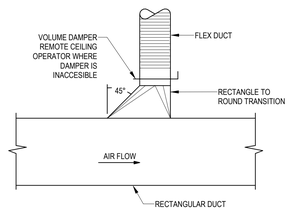
1 M500 VAV/CV TERMINAL UNIT WITH 2-WAY CONTROL VALVE DETAIL
12" = 1'-0"



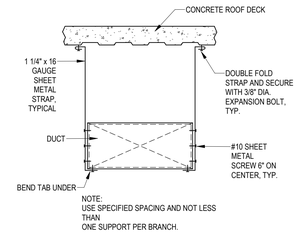
6 M500 ROUND DUCT SUPPORT DETAIL
12" = 1'-0"



2 M500 DIFFUSER CONNECTION DETAIL
12" = 1'-0"



3 M500 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL
12" = 1'-0"



4 M500 RECTANGULAR DUCT DETAIL
12" = 1'-0"

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MECHANICAL DETAILS

M500

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Grille, Register, and Diffuser Schedule

ID	Manufacturer and Model	Count	Description	Image
CD1	TITUS OMNI	11	STYLE: SQUARE PLAQUE FACE CEILING DIFFUSER CONSTRUCTION: STEEL FINISH: POWDER COAT WITH COLOR SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 24"X24", 20"X20", OR 12"X12". VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: REMOVABLE MAX NC: 25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: VARIABLE AIR VOLUME SUPPLY	
EG1	TITUS 50F	1	STYLE: CEILING EGGCRATE GRILLE CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 24"X24" OR AS NOTED ON DRAWINGS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: 1/2"X1/2" PATTERN MAX NC: 25 DAMPER: NONE, OBD, ETC. CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: EXHAUST MINIMUM FREE AREA: 50%	
RG1	TITUS PAR	9	STYLE: SQUARE PERFORATED FACE CEILING GRILLE CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 48"X24", 24"X24", 24"X12", 20"X20", 16"X16", OR 12"X12" AS SHOWN ON PLANS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. MAX NC:25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: RETURN OR TRANSFER MINIMUM FREE AREA: 50%	

VAV BOX SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	INLET SIZE (IN)	AIR COOLING MAXIMUM AIR (5) (CFM)	HEATING MAXIMUM AIR (CFM)	MINIMUM AIR (3) (CFM)	ENTERING AIR TEMP. DB (DEG. F)	LEAVING AIR TEMP. DB (DEG. F)	S.P. LOSS AT MAX CFM (4) (IN H20)	NC AT 1" H2O (1) S.P.	FLUID (2) HEAT LOAD (MB)	TOTAL FLUID FLOW (GPM)	ENT. FLUID TEMP (DEG. F)	WORKING FLUID	COIL MAX. FLUID PRESSURE DROP (FT)	COIL MIN. COIL ROWS	PIPE SIZE (IN)	BALANCING VALVE SIZE (IN)	REMARKS
VAV-06	TITUS-ESV-3	6	400	240	80	55	95	0.5	28	9.9	1	130	H. WATER	1	2	3/4	1/2	1,2,3,4,5,6
VAV-10	TITUS-ESV-3	10	1100	660	230	55	95	0.65	26	27..3	2	130	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6

1. MAXIMUM DISCHARGE NC AT BOX DIFFENTIAL PRESSURE BASED ON ARI STANDARD 880-89
2. COIL HEATING CAPACITY BASED ON HEATING MAXIMUM AIR FLOW (60% OF MAXIMUM COOLING CFM).
3. MINIMUM CFM IS LOWEST CONTROLLABLE CFM SETTING (BASED ON 400 FPM INLET VELOCITY).
4. MAXIMUM STATIC PRSSURE DROP PERMISSABLE ACROSS BOX AND COIL AT MAXIMUM COOLING CFM.
5. BOX COOLING MAXIMUM IS THE SUM OF DIFFUSERS CFM VALUES AS SHOWN IN THE DRAWINGS. BOX MINIMUM CFM TO BE SET AT 30% OF THIS MAXIMUM. BOX HEATING CFM TO BE SET AT 60% OF THIS SAME MAXIMUM. TYPICAL UNLESS OTHERWISE NOTED.
6. PRESSURE INDEPENDENT TYPE BOX.

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MECHANICAL SCHEDULES

M600

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GENERAL PLAN SYMBOLS

- PLAN REVISION NUMBER
- DETAIL NUMBER ON SHEET / SHEET NUMBER WHERE DETAIL IS PLACED
- KEYNOTE SYMBOL
- CONTINUATION SYMBOL
- POINT WHERE NEW CONNECTS TO EXISTING
- POINT WHERE EXISTING IS TO BE DEMOLISHED
- Room 1 — ROOM NAME / NUMBER
- AREA BEING DEMOLISHED
- AREA NOT IN CONTRACT

ABBREVIATIONS

Ø	ROUND
ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DW	DISTILLED WATER
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXA	EXHAUST AIR
EXIST	EXISTING
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT/FEET
FTR	FIN TUBE RADIATION
GAL	GALLON
GF	GAS-FIRED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HB	HOSE BIB
HP	HORSE POWER
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LB/HR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MIA	MIXED AIR
MAX	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
MUA	MAKE-UP/AIR
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OXYGEN
O/A	OUTSIDE AIR
ORD	OVERFLOW ROOF DRAIN
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PWR	dPOWER
R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
RH	RELATIVE HUMIDITY
RLIA	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER
SF	SQUARE FOOT
S/A	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FOOT
SD	SMOKE DAMPER
SM	SURFACE MOUNT
SP	STANDPIPE
SP	STATIC PRESSURE
STM	STEAM
T	THERMOSTAT
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
VAC	VACUUM
V	VENT
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CH	CHILLER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CHWP	CHILLED WATER PUMP
DBP	DOMESTIC WATER BOOSTER PUMP
DC	DUCT MOUNTED COIL
DCP	DOMESTIC WATER CIRCULATING PUMP
EF	EXHAUST FAN
EDC	ELECTRIC DUCT COIL
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCU	FAN COIL UNIT
FP	FIRE PUMP
GI	GREASE INTERCEPTOR
GRV	GRAVITY ROOF VENTILATOR
HWP	HEATING WATER PUMP
HRU	HEAT RECOVERY UNIT
PRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOFTOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PLUMBING SYMBOLS

2"	NOMINAL PIPE SIZE
	ABOVE GROUND PIPING
	BELOW GROUND PIPING
1/8" / 12" SLOPE	PIPE SLOPE (WHEN APPLICABLE)
(E)	EXISTING PIPE TO REMAIN
	PIPE TO BE DEMOLISHED
DCW	DOMESTIC COLD-WATER
NPW	NON-POTABLE WATER
SCW	SOFT COLD - WATER
FCW	FILTERED COLD - WATER
ROS	REVERSE OSMOSIS WATER
ROR	REVERSE OSMOSIS WATER RECIRCULATION
DI	DEIONIZED WATER
DIR	DEIONIZED WATER RECIRCULATION
DHW	DOMESTIC HOT - WATER
DHW140	DOMESTIC HOT - WATER 140
DHWR	DOMESTIC HOT - WATER RECIRCULATION
DHWR140	DOMESTIC HOT-WATER RECIRCULATION 140
NPHW	NON-POTABLE HOT WATER
SS	SANITARY DRAIN
V	SANITARY VENT
WV	SANITARY WET VENT
CWV	COMBINATION DWV
CD	CONDENSATE DRAIN
ID	INDIRECT DRAIN
GW	GREASE WASTE
GV	GREASE VENT
OW	OIL WASTE
OV	OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
PD	PUMP DISCHARGE
SHWR	SOLAR WATER RETURN
SHWS	SOLAR WATER SUPPLY
RD	ROOF DRAIN
RDO	ROOF DRAIN OVERFLOW
CO2	CARBON DIOXIDE GAS
HE	HELIUM GAS
IA	INSTRUMENT AIR
MA	MEDICAL AIR
MV	MEDICAL VACCUM
N2	NITROGEN GAS
N2O	NITROUS OXIDE GAS
O2	OXYGEN GAS
WAGD	WASTE ANESTHESIA GAS DISPOSAL
CA	COMPRESSED AIR
G	NATURAL GAS
LP	LIQUID PROPANE
	PIPE RISE / DROP

PLUMBING SYMBOLS

PIPE ACCESSORY NOTES

FCO	CLEANOUT
WCO	LINE CLEANOUT
BACKWATER	SWING CHECK
CHECK	CHECK VALVE
CHECK	ALTERNATE CHECK VALVE
BALANCE	BALANCING VALVE
CIRC	CIRCUIT SETTER
GATE	GATE VALVE
QUICK	QUICK OPENING VALVE
S/O	BALL VALVE
STRAIN	FLUID STRAINER
GAS-CNTRL	EMERGENCY GAS SHUTOFF
PLUG	PLUG VALVE
GAS COCK	GAS SHUTOFF COCK
REG	GAS REGULATOR
T/VT/P	THERMOSTATIC VALVE
PRIMER	TRAP PRIMER
M-CNTRL	ELEC. CONTROL VALVE
TMV-XT/P	MIXING VALVE
TMVEM	EMERGENCY MIXER
PRV	PRESSURE REDUCING VALVE
METER	WATER METER
METER	IRRIGATION METER
	DOUBLE CHECK VALVE
	REDUCED PRESSURE ZONE

PLUMBING FIXTURE NOTES

FLOOR DRAIN	DESIGN SIZE
2" FD-1 / 2 DFU	IDENTITY TYPE / DRAINAGE FIXTURE UNITS
?	FLOOR DRAIN W/ DEEP SEAL TRAP
?	FLOOR DRAIN W/ TRAP PRIMER "P" INDICATES PRIMER CONNECTION
?	FLOOR DRAIN W/ INTEGRAL CLEANOUT
?	AREA DRAIN (NO TRAP)
?	DECK DRAIN
?	HUB DRAIN (FUNNEL TYPE)
?	FLOOR SINK
?	ROOF DRAIN
6" SD-1 / 2000 SF	COMBINATION DRAIN / RAINFALL SURFACE AREA

PROJECT REQUIREMENTS

1. THE PROJECT GENERAL NOTES APPLY TO ALL.
2. REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE SCOPE OF WORK SPACE AND WITHIN CLOSE PROXIMITY TO THE SCOPE OF WORK SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
4. THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS, PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE OWNER'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
5. WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
6. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
7. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
8. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
9. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
10. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
11. COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
12. FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
13. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
14. TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
15. REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
16. ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
17. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
18. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
19. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
20. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
21. LOCATIONS OF PIPING, DUCTWORK, AND EQUIPMENT, AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD..
22. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
23. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
24. DETAILS REFERENCE ALL SHEETS.
25. INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
26. ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
27. LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STANDING ON A LADDER PLACED BELOW THE CEILING ACCESS.
28. WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
29. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
30. CONTRACTOR TO PROVIDE DELEGATED DESIGN OF SEISMIC BRACING AS A DEFERRED SUBMITTAL. SEE SPECIFICATION 23 0548 - VIBRATION AND SEISMIC CONTROLS FOR HVAC.
31. CONTRACTOR TO PROVIDE BIM COORDINATION AND VIRTUAL DESIGN AND CONSTRUCTION SERVICES TO A XXX LEVEL OF DETAIL. SEE SPECIFICATION 23 0099-BIM COORDINATION.

PLUMBING GENERAL NOTES

1. UNLESS OTHERWISE NOTED, PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT. VERIFY ALL SLOPING WITH LOCAL CODES.
2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4. ALL PIPING IN PLUMBING SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
5. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
6. COORDINATE FAN FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS.
7. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
8. PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING.
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. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
11. LOCATE ALL VENTS MINIMUM 25' AWAY FROM AIR INTAKES.
12. INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
13. INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
14. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
15. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
16. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
17. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
18. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
19. HOSE BIBBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.
20. LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24" X 24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING. PROVIDE APPROPRIATELY SIZED ACCESS DOORS TO ANY OF THESE ITEMS INSTALLED IN A WALL. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
21. DRAIN PANS SHALL BE INSTALLED UNDER ANY PIPING THAT MAY CONTAIN WATER INSTALLED IN AN ELECTRICAL, DATA, IT, OR OTHER ROOM WITH SENSITIVE ELECTRICAL EQUIPMENT. THIS INCLUDES, BUT IS NOT LIMITED TO HYDRONIC, WASTE, DOMESTIC, ROOF DRAIN, ETC.
22. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
23. FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
24. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
25. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.

25.1 • SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.

25.2 • LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING.

25.3 • LOCATE AT THE BASE OF EACH VERTICAL STACK.

26. ALL PIPING UTILIZED IN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS SHALL COMPLY WITH NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION OF 25/0/0, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
27. WHERE NON-PLENUM-RATED PIPING IS PERMITTED OR REQUIRED WITHIN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS, IT SHALL BE INSULATED TO ACHIEVE NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/0/0, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

MEDICAL GAS GENERAL NOTES

1. MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE.
2. MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE AND COORDINATE WITH ALL OTHER TRADES.
3. MOUNT ALL SERVICE VALVES CEILING HEIGHT FOR ACCESSIBILITY.
4. ALL SERVICE VALVES SHALL BE LOCKABLE. PROVIDE FRANGIBLE LOCK FOR ALL SERVICE VALVES.
5. ALL ZONE VALVE BOXES REQUIRE SOURCE AIR FROM SIDE AND CONTROLLED AIR FROM RIGHT SIDE.

Plumbing Sheet Index

P001	PLUMBING TITLE SHEET
P101	LEVEL 1 PLUMBING DEMO AND NEW PLANS
MG101	LEVEL 1 MEDICAL GAS DEMO AND NEW PLANS
P500	PLUMBING DETAILS
P600	PLUMBING SCHEDULES

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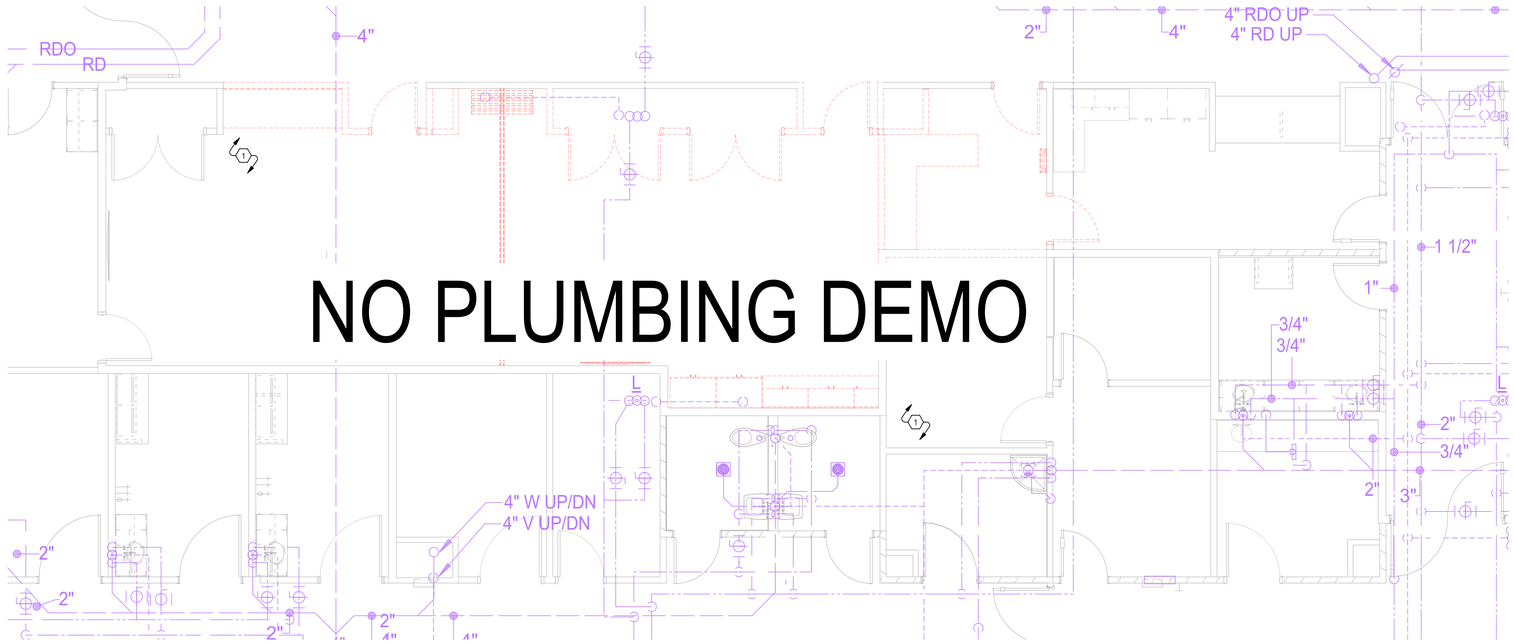
Intermountain Health
Layton Hospital Mammography
201 W Layton Pkwy
Layton, UT 84041

NJRA Project # 24236
Construction Documents Aug 01, 2025

PLUMBING
TITLE SHEET

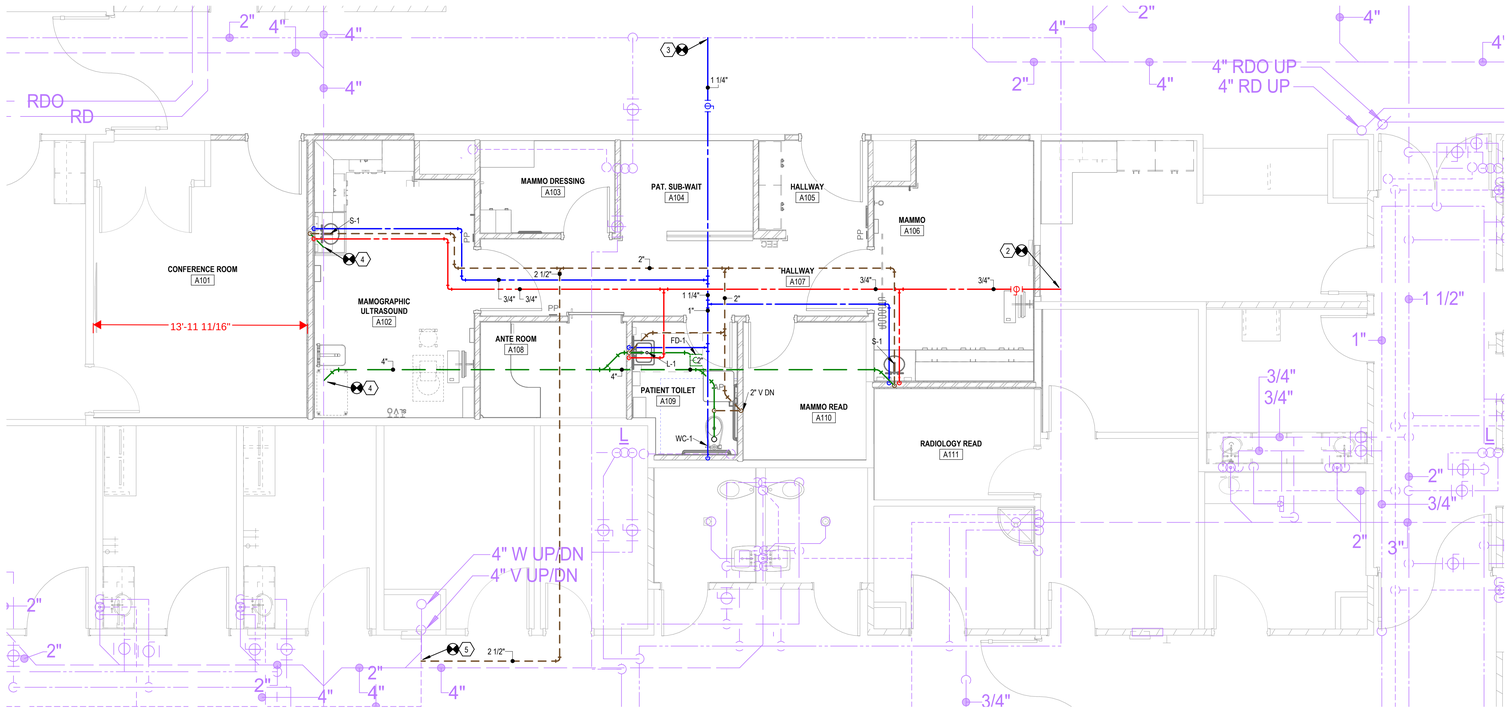
P001

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NO PLUMBING DEMO

1 P101 LEVEL 1 PLUMBING DEMO PLAN
1/4" = 1'-0"



2 P101 LEVEL 1 PLUMBING PLAN
1/4" = 1'-0"

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KEYNOTES

1 EXISTING SHOWN LIGHT AND PURPLE TO REMAIN.
2 NEW CONNECTION TO EXISTING DOMESTIC HOT WATER.
3 NEW CONNECTION TO EXISTING DOMESTIC COLD WATER.
4 NEW CONNECTION TO EXISTING WASTE.
5 NEW CONNECTION TO EXISTING VENT.

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Intermountain Health

Layton Hospital Mammography

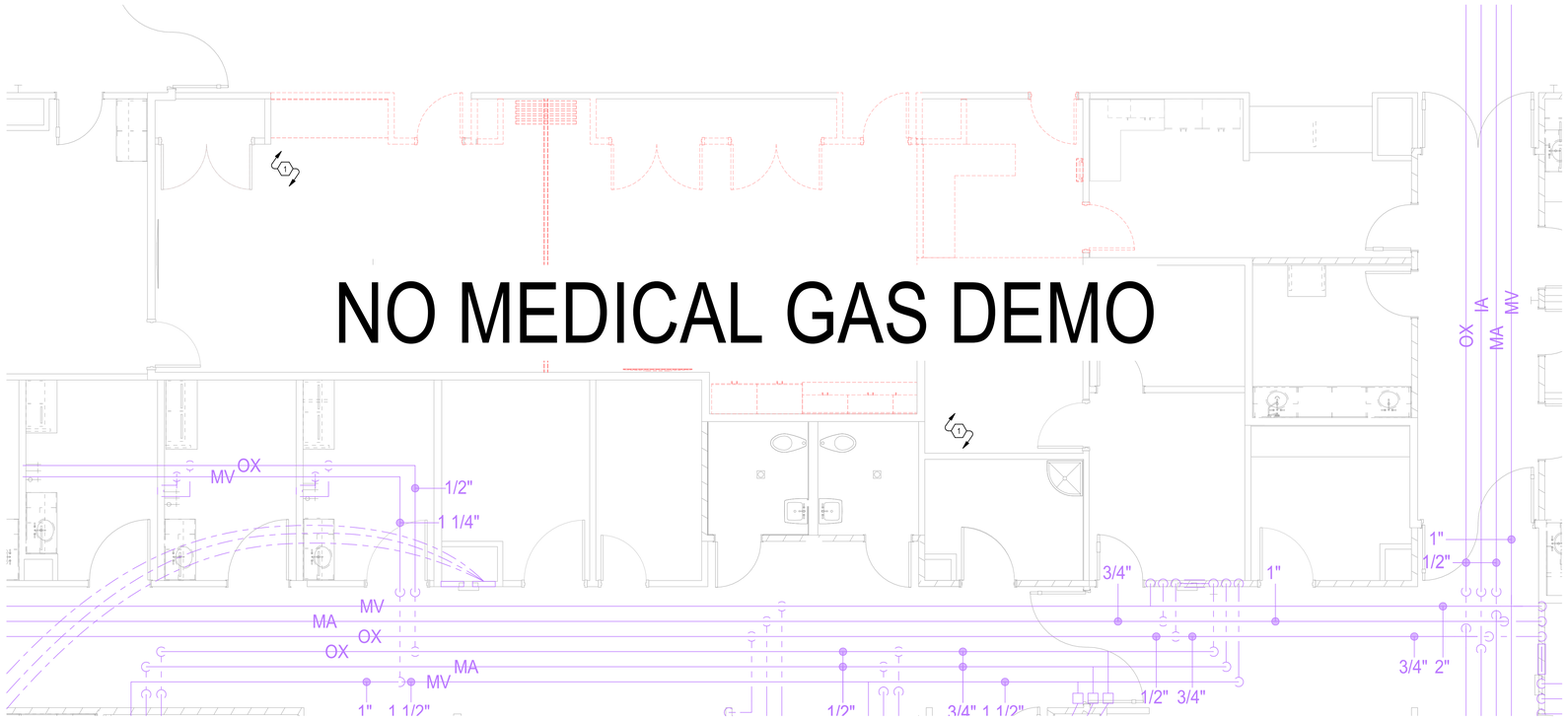
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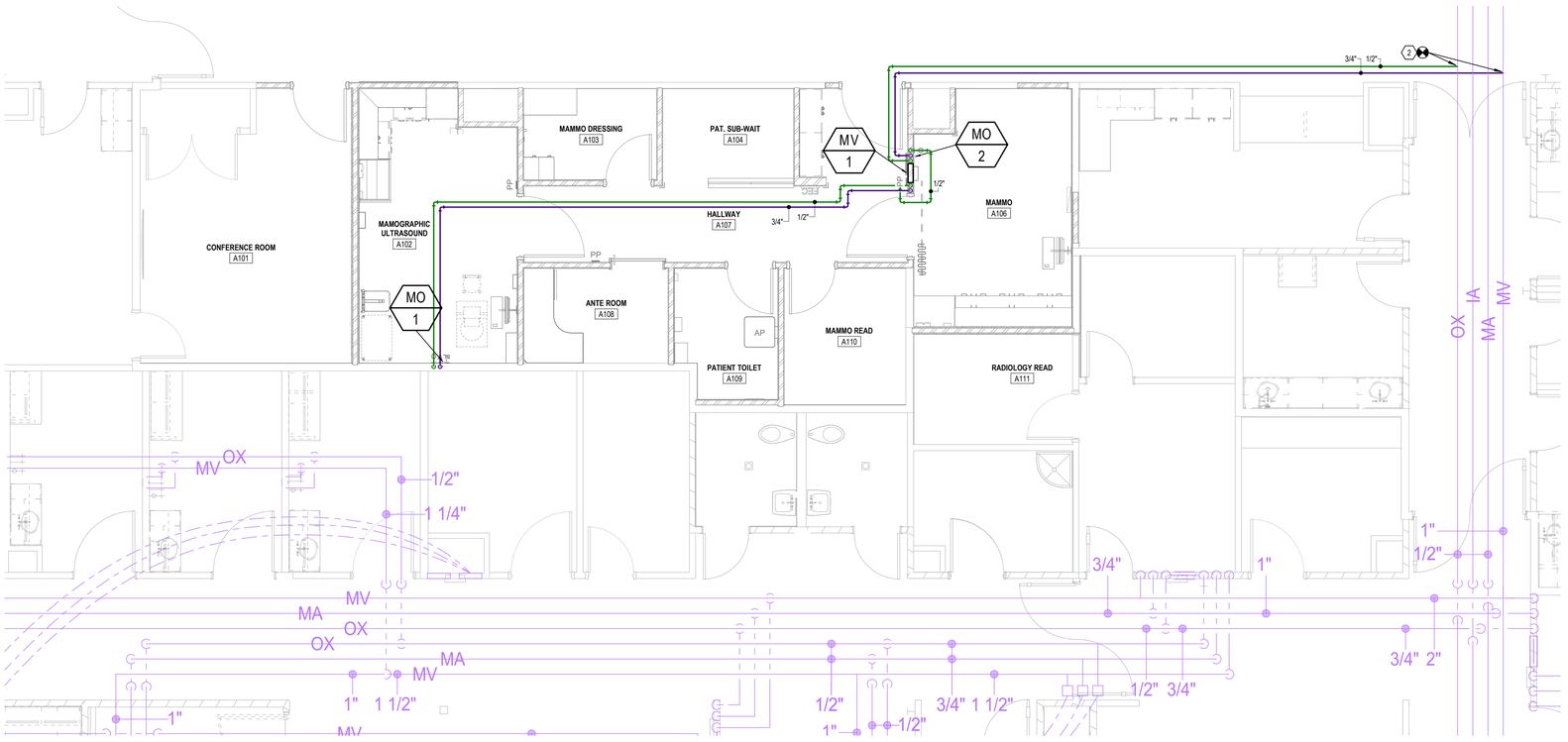
LEVEL 1 PLUMBING DEMO AND NEW PLANS

P101

NO MEDICAL GAS DEMO



2 MG101 LEVEL 1 MEDICAL GAS DEMO PLAN
1/4" = 1'-0"



1 MG101 LEVEL 1 MEDICAL GAS PLAN
1/4" = 1'-0"

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KEYNOTES

1 EXISTING SHOWN LIGHT AND PURPLE TO REMAIN.
2 NEW CONNECTION TO EXISTING OXYGEN AND MEDICAL VACUUM.

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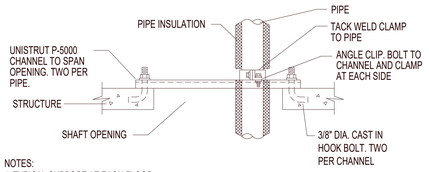
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NJRA Project # 24236
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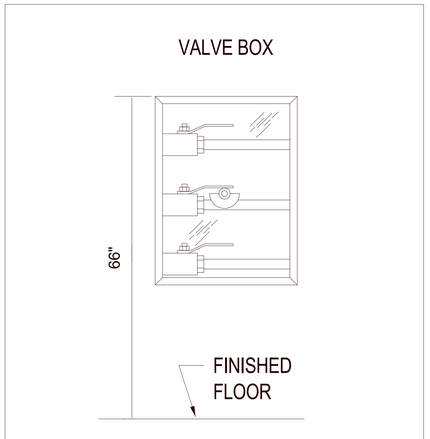
LEVEL 1 MEDICAL GAS DEMO AND NEW PLANS

MG101



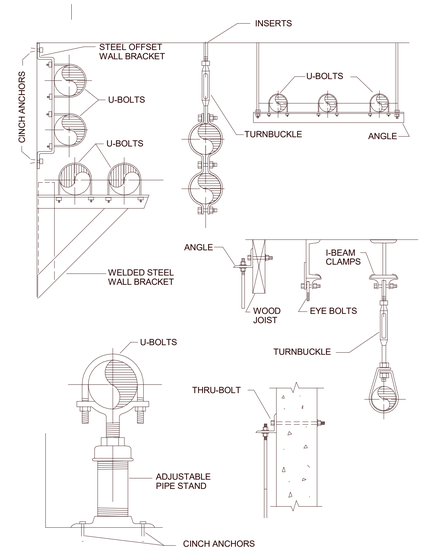
NOTES:
1. TYPICAL SUPPORT AT EACH FLOOR.
2. FOR MULTIPLE PIPES INSTALL CHANNELS IN PARALLEL AND PROVIDE ADDITIONAL FRAMING. SIZES OF FRAMING MEMBERS AS REQUIRED TO SUPPORT TOTAL WEIGHT OF PIPE.
3. INSULATE CLAMP AT CHILLED WATER PIPE ONLY.

5 P501 PIPE RISER SUPPORT DETAIL
NO SCALE

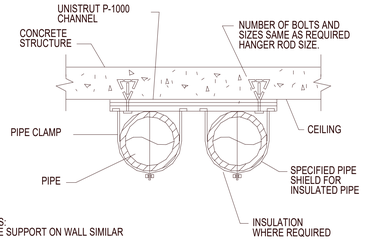


MOUNTING HEIGHT UNLESS NOTED OTHERWISE

VALVE BOX MOUNTING HEIGHT
NO SCALE
6 P501

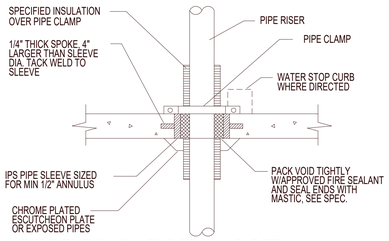


1 P501 TYPICAL PIPE SUPPORT DETAIL
NO SCALE

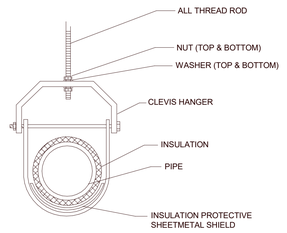


NOTES:
1. PIPE SUPPORT ON WALL SIMILAR

2 P501 PIPE SUPPORT ON CEILING
NO SCALE



3 P501 PIPE THROUGH FLOOR SLAB DETAIL
NO SCALE



4 P501 TYPICAL CLEVIS HANGER DETAIL
NO SCALE

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PLUMBING DETAILS

P500

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PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES	SPECIFICATION
FD-1	FLOOR DRAIN	-.-	-.-	2	1 1/2	RESTROOM	FLOOR DRAIN: SMITH FIGURE 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE. PROVIDE DEEP SEAL TRAP AND TRAP GUARD TYPE TRAP SEAL DEVICE.
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG, GOOSENECK FAUCET WITH WRISTBLADES	LAVATORY: KOHLER K2030, GREENWICH, 20" X 18", VITREOUS CHINA, WITH FRONT OVERFLOW, 8" CENTERS. CHICAGO 786-GN2FCABCP FAUCET, WITH WRIST BLADE HANDLES, GN2 RIGID/SWING GOOSENECK SPOUT WITH 0.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. WATTS LFUSG-B-M2 THERMOSTATIC MIXING VALVE WITH WATTS LF7 DUAL CHECK VALVES ON HOT AND COLD LINES INSTALLED IN CEILING. FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.
S-1	SINK	1/2	1/2	2	1 1/2	BASIN INTEGRAL TO COUNTERTOP, OFFSET DRAIN, GOOSENECK FAUCET WITH WRISTBLADES	SINK: BASIN INTEGRAL TO COUNTER WITH OFFSET DRAIN, PROVIDE CHICAGO 786-GN8FCABCP FAUCET, NO. 317 4" WRIST BLADES, GN8 RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.5 GPM FC LAMINAR FLOW CONTROL IN SPOUT AND PLAIN END SPOUT RING. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; JUST J-35 STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
WC-1	WATER CLOSET	1	-.-	4	2	FLOOR MOUNTED, ADA, FLUSH VALVE	WATER CLOSET: KOHLER K-4368 HIGHCLIFF VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA TOILET WITH K-4670-C LUSTRA OPEN-FRONT SEAT. SLOAN WES-111 MANUAL DUAL FLUSH; PROVIDE "DIRT GRABBER" FLUSH VALVE FILTER, COORDINATE SIZE WITH FLUSH VALVE; NSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.

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

MEDICAL GAS OUTLETS SCHEDULE

SYMBOL	ROOM TYPE	# OF OUTLETS OX	# OF OUTLETS MV	PIPE DROP SIZE TO OUTLET(S) OX	PIPE DROP SIZE TO OUTLET(S) MV	REMARKS
MO-1	MAMOGRAPHIC ULTRASOUND	1	1	1/2"	3/4"	1, 2
MO-2	MAMOGRAPHY	1	0	1/2"	-.-	1

UNLESS NOTED OTHERWISE, ALL OUTLETS ARE CHEMETRON-STYLE QUICK-CONNECTS

OUTLETS IN "MEDICAL EQUIPMENT" ARE SUPPLIED WITH THE PIECE OF EQUIPMENT

1. PIPE DROP SIZES ARE FOR ONE SET OF OUTLETS.

2. PROVIDE ONE VACUUM SLIDE FOR EVERY VACUUM OUTLET SCHEDULED.

MEDICAL GAS VALVE SCHEDULE

SYMBOL	AREA SERVED	PIPE SIZE OX	PIPE SIZE MV	REMARKS
MV-1	MAMOGRAPHIC ULTRASOUND	1/2"	3/4"	1

1. WITH GAUGES

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PLUMBING SCHEDULES

P600

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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.
A5 / E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
X-X XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
MATCH LINE SEE XX/0-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	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.
XXX EF-X	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
X-X 1LA-3	EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "1LA-3" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
XXXET #	IN-GRADE PULLBOX INDICATOR. "XXXET" INDICATES LABEL SHOWN ON SCHEDULE. "#" IDENTIFIES SEQUENCE NUMBER SHOWN ON SITE AND RISER DIAGRAM. REFER TO PLANS AND EXTERIOR PULLBOX SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
	WIRING TURNED UP OR TOWARDS OBSERVER.
	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
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.
1X	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. "X" INDICATES CONDUCTOR MATERIAL. REFER TO ONE-LINE DIAGRAM.
HC	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
C	JUNCTION BOX, CEILING.
SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
SP	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
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.
	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
EV	ELECTRIC VEHICLE CHARGING STATION.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
CONDUIT TYPES	
	RIGID NONMETALLIC CONDUIT, POWER 208V
	RIGID NONMETALLIC CONDUIT, POWER 480V
	RIGID NONMETALLIC CONDUIT, POWER 600+V
	RIGID NONMETALLIC CONDUIT, COMMUNICATIONS
	RIGID METALLIC CONDUIT, POWER 208V
	RIGID METALLIC CONDUIT, POWER 480V
	RIGID METALLIC CONDUIT, POWER 600+V
	RIGID METALLIC CONDUIT, COMMUNICATIONS

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, SINGLE: NEMA 5-20R.
	RECEPTACLE, DUPLEX: NEMA 5-20R.
A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
D	RECEPTACLE, DUPLEX, DEDICATED CIRCUIT: NEMA 5-20R.
DF	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
IG	RECEPTACLE, DUPLEX, ISOLATED GROUND: NEMA 5-20R.
S	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
W	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX, CONNECTED TO UPS: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
WP	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R.
S	RECEPTACLE, DUPLEX, SWITCHED, RECESSED: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, CONNECTED TO UPS: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
D	RECEPTACLE, DRYER: NEMA 14-30R.
R	RECEPTACLE, RANGE: NEMA 14-50R.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
D	DROP CORD. SEE DETAIL.
T	THERMOSTAT.
FB#.D#.A#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES. FB# = FLOORBOX, RECTANGULAR COVER, GANGS FR# = FLOORBOX, ROUND COVER, GANGS D# = DATA CABLES A# = A/V GANGS
PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
PT#.D#.A#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES. PT# = POKE-THRU GANGS D# = DATA CABLES A# = A/V GANGS
	SWITCH, DIMMER.
X $	SWITCH, SINGLE POLE ("X" INDICATES FIXTURES CONTROLLED).
X $2	SWITCH, DOUBLE POLE ("X" INDICATES FIXTURES CONTROLLED).
X $3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
X $4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
$DS	SWITCH, DOOR.
$K	SWITCH, KEY OPERATED.
$P	SWITCH, PILOT LIGHT.
$T	SWITCH, TIMER OPERATED.
$WP	SWITCH, WEATHERPROOF.
T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, CONNECTED TO UPS: NEMA 5-20R.
	RECEPTACLE, DUPLEX, WITH USB OUTLET
	RECEPTACLE, DUPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
SITE ELECTRICAL AND COMMUNICATIONS UTILITIES	
3ØUP	ELECTRIC LINE: THIN LINE. 1Ø = SINGLE PHASE, 2Ø = 2-PHASE, 3Ø = 3-PHASE, O = OVERHEAD, U = UNDERGROUND, P = PRIMARY, S = SECONDARY
	LIGHTNING ARRESTOR.
	UTILITY POLE.
	UTILITY, DISTRIBUTION SWITCH OR SWITCHING STATION.
E	UTILITY, PRIMARY ELECTRICAL HAND HOLE.
M	UTILITY SERVICES, MANHOLE.
C	UTILITY, COMMUNICATIONS MANHOLE.
E	UTILITY, ELECTRICAL MANHOLE.
T	UTILITY, TELEPHONE MANHOLE.
C	PRECAST CONCRETE, COMMUNICATION VAULT.
E	PRECAST CONCRETE, ELECTRICAL VAULT.
T	PRECAST CONCRETE, TELEPHONE VAULT.
TM	PRECAST CONCRETE, MANHOLE, TRANSFORMER VAULT.
TP	PRECAST CONCRETE, TRANSFORMER PAD.
	IN-GRADE PULLBOX, HAND HOLE. OPTIONS WITH SQUARE OR ROUND CORNERS. REFER TO PLANS AND EXTERIOR PULLBOX SCHEDULE FOR ADDITIONAL INFORMATION.
S	SUBSTATION.
T	TRANSFORMER.
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	STARTER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER (ONE-LINE DIAGRAM).
S.T.	CIRCUIT BREAKER WITH SHUNT TRIP (ONE-LINE DIAGRAM).
MCP	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
#AF #AT	CIRCUIT BREAKER, ADJUSTABLE TRIP. "#AF" REPRESENTS FRAME RATING. "#AT" REPRESENTS TRIP UNIT. (ONE-LINE DIAGRAM).
LSIG	CIRCUIT BREAKER, ADJUSTABLE TRIP CURVE. L=LONG TIME CURVE ADJUSTMENT, S=SHORT TIME CURVE ADJUSTMENT, I=INSTANTANEOUS CURVE ADJUSTMENT, G=GROUND FAULT ADJUSTMENT FULLY COMPLIANT WITH NEC 210.13, 215.10 AND 230.95. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE WITH ARC ENERGY REDUCTION SYSTEM INCLUDING ENERGY REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR FULLY COMPLIANT WITH NEC 240.87 (ONE-LINE DIAGRAM)
	CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
	POTENTIAL TRANSFORMER (PT/VT) (ONE-LINE DIAGRAM).
	CURRENT TRANSFORMER (CT) (ONE-LINE DIAGRAM).
	BATTERY (ONE-LINE DIAGRAM).
	CAPACITOR (ONE-LINE DIAGRAM).
	DELTA CONNECTION (ONE-LINE DIAGRAM).
	WYE CONNECTION (ONE-LINE DIAGRAM).
"1DPHA"	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
"1H"	PANELBOARD (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
ANN	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
PB	PUSH BUTTON, REMOTE EMERGENCY STOP.
G	GENERATOR, POWER (ONE-LINE DIAGRAM).
K	KIRK-KEY MECHANICAL INTERLOCK (ONE-LINE DIAGRAM)
M	METER.
BBF	BROAD BAND FILTER (ONE-LINE DIAGRAM).
VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DIODE (ONE-LINE DIAGRAM).
	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.
OP#	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)
B B	BUSWAY.
	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, CLOSE ON INCREASE (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, OPEN ON INCREASE (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FOOT OPERATED (ONE-LINE DIAGRAM).
	SWITCH, MULTIPOSITION (ONE-LINE DIAGRAM).
	SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
N N	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
GESM	GENERATOR ENGINE START MONITORING SYSTEM GENERATOR MODULE (ONE-LINE DIAGRAM).
ESM	GENERATOR ENGINE START MONITORING SYSTEM ATS MODULE (ONE-LINE DIAGRAM).
PRM	PHASE ROTATION MONITOR (ONE-LINE DIAGRAM).

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
ACS	ACCESS CONTROL SYSTEM
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
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CEILING MOUNTED
CAT	CATEGORY
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
CI	CONTACT INDICATOR
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CR	CARD READER
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dBA	UNIT OF SOUND LEVEL
DPDT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
E	ENHANCED
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
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
FPP	FIBER PATCH PANEL
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GIG	GIGA HERTZ
GND	GROUND
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
HWM	HORIZONTAL WIRE MANAGEMENT
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
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL 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
OE	OWNER ELECTRONICS
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
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
PV	PHOTO VOLTAIC
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RO	REMOTE DOOR OPEN
RPM	REVOLUTIONS PER MINUTE
RPP	RISER PATCH PANEL
RR	REMOVE AND RELOCATE
S/S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SEC	SECURITY
SF	SQUARE FOOT (FEET)
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATION
SPP	STATION PATCH PANEL
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TR	TELECOMMMUNICATIONS ROOM
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
VF/CVFD	VARIABLE FREQUENCY MOTOR CONTROLLER
VIC	VIDEO INTERCOM SYSTEM
VSS	VIDEO SURVEILLANCE SYSTEM
VWM	VERTICAL WIRE MANAGEMENT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WPP	WIRELESS PATCH PANEL
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 O

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
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.
EM	EMERGENCY.
NL	NIGHT LIGHT: DO NOT SWITCH.
	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.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
P	PHOTOCELL.
P	PHOTOCELL, WALL MOUNTED.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	CEILING FAN.
	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
a,b	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
LC	DIGITAL PLUG LOAD CONTROLLER
LS	LIGHTING NETWORK SWITCH.
NR	LIGHTING NETWORK ROUTER.
SM	LIGHTING NETWORK SEGMENT MANAGER
NB	LIGHTING NETWORK BRIDGE
ET	LIGHTING EMERGENCY TRANSFER DEVICE
L X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
TWO-WAY COMMUNICATIONS	
2WA	TWO-WAY COMMUNICATIONS MAIN CONTROL STATION (ANNUNCIATOR)
RCS	TWO-WAY COMMUNICATIONS REMOTE CALL STATION
	DATA CONNECTION: TWO-WAY EMERGENCY COMMUNICATION SYSTEM.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
FIRE ALARM	
FAA	FIRE ALARM ANNUNCIATOR PANEL.
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
FATC	FIRE ALARM TERMINAL CABINET: NAC, SLC, SPEAKER CIRCUITS, AMPLIFIERS, BATTERIES
HVAC	CONTROL PANEL FOR HVAC: SMOKE CONTROL, STAIR PRESSURIZATION.
EVAC	VOICE EVACUATION PANEL.
PRE	PRE-ACTION CONTROL PANEL.
MIC	REMOTE VOICE EVACUATION MICROPHONE.
FPC	FIRE PUMP CONTROLLER.
JPC	JOCKEY PUMP CONTROLLER.
C	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED BY FIRE ALARM INSTALLER.
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.
FS	WATER FLOW SWITCH. FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
VS	VALVE SUPERVISORY SWITCH, TAMPER SWITCH. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
PS	PRESSURE SUPERVISORY SWITCH. PRESSURE SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS..
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, WALL MOUNTED.
A	DETECTOR, SMOKE WITH AUXILIARY CONTACT.
BR	DETECTOR, SMOKE, BEAM RECEIVER.
BT	DETECTOR, SMOKE, BEAM TRANSMITTER.
E	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
G	DETECTOR, SMOKE WITH GUARD.
R	DETECTOR, SMOKE, RESIDENTIAL.
S	DETECTOR, SMOKE WITH STROBE.
RS	DETECTOR, SMOKE, RESIDENTIAL WITH SOUNDER BASE.
AS	DETECTOR, SMOKE, AIR SAMPLING SYSTEM PORT LOCATION.
	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.
	DETECTOR, HEAT.
CO	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
75	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
WP	ALARM, HORN/SPEAKER, WALL MOUNTED, WEATHERPROOF.
	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.
G	ALARM, HORN/STROBE WITH GUARD, WALL MOUNTED, ONE ASSEMBLY.
M	ALARM, MINI HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	SPEAKER, WALL MOUNTED, EVACUATION.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE.
75	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELLA RATING.
75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	SPEAKER, CEILING MOUNTED.
75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	BELL, ELECTRIC, 120V FROM ELECTRICAL SYSTEM OR 24V FROM FIRE ALARM SYSTEM

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
CLOCK	
C	CLOCK.
C G	CLOCK, SURFACE WITH WIRE GUARD.
NURSE CALL	
	JUNCTION BOX.
	CORRIDOR LIGHT.
B	BATHROOM PULL CORD STATION.
D	DUTY STATION.
E	EMERGENCY ASSISTANCE CALL STATION.
E CB	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
P	PATIENT STATION.
S	STAFF STATION.
NCM	TOUCH SCREEN NURSE CALL MASTER STATION.
ZLC	ZONE LIGHT CONTROLLER.
CU	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
TV DISTRIBUTION	
T	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
TR	TV DISTRIBUTION CABLE, TRUNK.
CMB	COMBINER.
DC	DIRECTIONAL COUPLER.
DA	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
SPL	SPLITTER (ONE-LINE DIAGRAM).
	TV OUTLET.
	SATELLITE ANTENNA.
	TV ANTENNA (ONE-LINE DIAGRAM).
	TERMINATOR, 75 OHM (TV DISTRIBUTION).
X	HDMI RECEPTACLE WITH SINGLE GANG BACKBOX AND 1.25" CONDUIT STUBBED TO ACCESSIBLE CEILING. PROVIDE 2.1 HDMI CABLE BETWEEN HDMI RECEPTACLES. "X" INDICATES QUANTITY OF HDMI PORTS WHEN GREATER THAN 1.

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NJRA Project # 24236.00
Construction Documents Aug 1, 2025

SYMBOLS LEGEND

EE002

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CATEGORY INSERT COLOR SCHEDULE

INSERT COLOR	TYPE/ APPLICATION
BLUE	ANALOG PHONE DEVICES
BLUE	DATA DEVICES
BLUE	SECURITY DEVICES
ORANGE	MONITORING DEVICES
ORANGE	NURSE CALL DEVICES
RED	FORESEER DEVICES
YELLOW	WIRELESS ACCESS POINT DEVICES

DATA PATCH CORD SCHEDULE

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

LENGTH (FEET)	COLOR	QUANTITY
3	BLUE	10% OF TOTAL PORTS IN TDR'S
5	BLUE	30% OF TOTAL PORTS IN TDR'S
7	BLUE	45% OF TOTAL PORTS IN TDR'S
10	BLUE	10% OF TOTAL PORTS IN TDR'S
20	BLUE	5% OF TOTAL PORTS IN TDR'S

WIRELESS PATCH CORD PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP W RJ/ 45 CONNECTORS

LENGTH (FEET)	COLOR	QUANTITY
5	YELLOW	33% OF TOTAL PORTS IN TDR'S
7	YELLOW	33% OF TOTAL PORTS IN TDR'S
10	YELLOW	33% OF TOTAL PORTS IN TDR'S

NURSE CALL PATCH CORD SCHEDULE

(CATEGORY 6 CABLES W/ RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY
5	ORANGE	15
7	ORANGE	15
10	ORANGE	15

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 - CATEGORY 6A F/UTP, PLENUM RATED, BLUE, DATA	SIEMON 9A6P4-A5-06-R1A
	STATION CABLE - CATEGORY 6A F/UTP, PLENUM RATED, YELLOW, WIRELESS	SIEMON 9A6P4-A5-05-R1A
	STATION CABLE - CATEGORY 6 UTP, PLENUM RATED, ORANGE, NURSE CALL	SIEMON 9C6P4-E3-09-RXA
	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
	NOTE: FOR FLOOR BOX APPLICATIONS ONLY, USE DECORA FRAME	SIEMON MX-D4Z-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - WIRELESS, YELLOW	SIEMON Z6A-S05
SEC	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION (SEC=SECURITY DEVICE)	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - SECURITY, BLUE	SIEMON Z6A-S06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 3 FOOT	SIEMON SP6A-S03-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 5 FOOT	SIEMON SP6A-S05-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 7 FOOT	SIEMON SP6A-S07-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 10 FOOT	SIEMON SP6A-S10-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 20 FOOT	SIEMON SP6A-S20-06
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 5 FOOT	SIEMON SP6A-S05-05
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 7 FOOT	SIEMON SP6A-S07-05
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 10 FOOT	SIEMON SP6A-S10-05
	PATCH CABLE, CATEGORY 6, ORANGE, 5 FOOT - NURSE CALL ONLY	SIEMON MC6-05-09-28
	PATCH CABLE, CATEGORY 6, ORANGE, 7 FOOT - NURSE CALL ONLY	SIEMON MC6-07-09-28
	PATCH CABLE, CATEGORY 6, ORANGE, 10 FOOT - NURSE CALL ONLY	SIEMON MC6-10-09-28
	FIRE-RATED SLEEVES (2"x2" FOR ROOM PENETRATIONS, 4"x4" FOR J-HOOK PATHWAYS)	STI EZ PATH, HILTI
	SMOKE/ ACOUSTICAL-RATED SLEEVES (2"x2" FOR ROOM PENETRATIONS, 4"x4" FOR J-HOOK PATHWAYS)	STI EZ PATH, HILTI
	TRIPLE-TREE J-HOOKS	CADDY CAT64HPSWM3

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

GENERAL TELECOM NOTES

1 UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE 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.

15 THE USE OF CABLE TIES IS NOT ALLOWED TO BUNDLE CABLES (LACE OR TRAIN) IN LADDER RACK, CABLE TRAY, OR TO FINAL TERMINATION POINT. CONTRACTOR SHOULD UTILIZE "HOOK AND LOOP" FOR BUNDLING OF ALL CABLES.

16 THE USE OF CABLE TIES IS NOT ALLOWED FOR THE SUPPORT OF CABLE, OR THE ATTACHMENT OF CABLES IN ANY CEILING SPACE. THE USE OF J-HOOKS IS REQUIRED FOR NON-CONTINUOUS PATHWAYS IN CEILINGS. CONTRACTORS SHOULD UTILIZE "HOOK AND LOOP" FOR BUNDLING OF ALL CABLES.

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TELECOM SCHEDULES AND NOTES

EE003

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SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	ROUGH-IN REQUIREMENTS	NOTES
ACS	ACCESS CONTROL SYSTEM HEAD END	SEE EY651	
CR	CARD READER	4SQ J-BOX AT 40" AFF; 1" CONDUIT TO ACS	
CR	CARD READER MULLION MOUNTED	AT 40" AFF; 1" CONDUIT TO ACS	
CR	CARD READER POE	4SQ J-BOX AT 40" AFF; 1" CONDUIT TO ACS	
CR	CARD READER WITH KEYPAD	4SQ J-BOX AT 40" AFF; 1" CONDUIT TO ACS	
CR	BIOMETRIC CARD READER	4SQ J-BOX AT 40" AFF; 1" CONDUIT TO ACS	
CR	CARD READER EXIT AND LOCK DEVICE	AT 40" AFF; MOUNTED TO DOOR; 1" CONDUIT TO ACS	
WR	WIRELESS CARD READER		
	SURVEILLANCE CAMERA	SEE CAMERA SCHEDULE EE00X	CAT 6
	DUAL-IMAGER CAMERA	SEE CAMERA SCHEDULE EE00X	CAT 6
	MULTI-IMAGER CAMERA	SEE CAMERA SCHEDULE EE00X	CAT 6
	PANORAMIC 360/180 CAMERA	SEE CAMERA SCHEDULE EE00X	CAT 6
	PTZ MULTI-IMAGER CAMERA	SEE CAMERA SCHEDULE EE00X	CAT 6
	DOOR LOCK TYPE [M] - MAG LOCK [L] - LEVER SET LOCK [NO LETTER] - GENERIC LOCK [T] - ELECTRIC TRANSFER HINGE [S] - ELECTRIC STRIKE LOCK [C] - CRASH BAR LOCK [O] - OPERATOR LOCK	SEE DOOR ROUGH IN DETAIL EY551	
	DOOR CONTACT INDICATOR	SEE DOOR ROUGH IN DETAIL EY551	
	REQUEST TO EXIT DEVICE [M] - MOTION REX [L] - LEVER SET REX [NO LETTER] - GENERIC REX [C] - CRASH BAR REX [D] - DELAYED EGRESS REX	SEE DOOR ROUGH IN DETAIL EY551	
IC	INTERCOM STATION	4SQ J-BOX AT 18" AFF; 1" CONDUIT TO TR	CAT 6
MS SIC	INTERCOM MASTER STATION	4SQ J-BOX AT 18" AFF; 1" CONDUIT TO TR	CAT 6
	MOTION DETECTOR - CEILING MOUNTED		
	MOTION DETECTOR - WALL MOUNTED		
	SIREN		
PB	PANIC BUTTON	NO ROUGH IN REQUIRED, MOUNT UNDER DESK, COORDINATE EXACT LOCATION WITH OWNER	
PR	RECEIVER FOR WIRELESS PANIC ALARM	1 GANG BOX, CEILING MOUNTED, 3/4" CONDUIT	CAT 6
FB	SHARED SERVICES FLOOR BOX FOR ELECTRICAL AND SECURITY CONTACTS	2 GANG FOR ELECTRICAL, 1 GANG FOR SECURITY CONTACTS (FLUSH MOUNT) 1" CONDUIT TO ACS	3 PAIR 18 AWG
RO	REMOTE DOOR OPENING BUTTON	COORDINATE ROUGH IN BOX WITH LOCATION. 3/4" CONDUIT	1 PAIR 18 AWG
M55	55" MONITOR FOR VIDEO SURVEILLANCE AND SECURITY. PROVIDE WITH ARTICULATING WALL MOUNT	CHIEF PAC525, PROVIDE WITH POWER IN ONE SIDE AND DATA IN OTHER SIDE. PROVIDE 1-1/4" C TO 4-11/16 BOX AT AFF FOR MONITOR CABLE PASS THROUGH	HDMI OR DISPLAY PORT TO LOCAL WORKSTATION

GENERAL AUXILIARY NOTES

1. PROVIDE PLENUM RATED CABLE FOR ALL SPECIFIED CABLE.
2. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH. ACCORDING TO WRITTEN SPECIFICATION.
3. 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.
4. COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLE SHALL BE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.
5. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
6. AIM CAMERAS, BACK FOCUS AND DEMONSTRATE VIEW TO OWNERS SATISFACTION, RE-AIM AND FOCUS AS REQUESTED BY OWNER.
7. CONNECT INTERCOM SYSTEM TO ACCESS CONTROL SYSTEM FOR REMOTE ENTRY. COORDINATE OPERATION WITH OWNER.

SECURITY CAMERA SCHEDULE

CAMERA ID:			NOTES:	GENERAL NOTES:
CAMERA TYPE	**MOUNT**	**RATING**	* CAMERA HAS CAPABILITY OF AUDIO OR NO AUDIO	**1. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.** **2. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.**
X = FIXED **D = DUAL-IMAGER** **M = MULTI-IMAGER** **F = FISHEYE** **P = PTZ** **Z=PTZ+MULTI-IMAGER**	**C = CEILING** **SW = SURFACE WALL** **W = WALL** **N = CORNER** **P = PARAPET** **L = POLE** **T = PENDANT** **IN = INSIDE CORNER**	**O = OUTDOOR** **I = INDOOR**		

ID	DESCRIPTION	IR	WDR	AUDIO	VANDAL	LOCATION	IP RATING	MANUFACTURER (SERIES)	NOTES
DC	TYPE: 2X 2 MP DUAL IMAGER MOUNTING: CEILING FOCAL LENGTH: 3.26-8.12 mm RESOLUTION: 2X 1920x1080 FRAME RATE: 60 OPTIONS: NONE	YES	YES	NO*	IK10	INDOOR/OUTDOOR	IP66, IP67	AXIS - P4705-PLVE	
XCI	TYPE: 4 MP FIXED MOUNTING: CEILING FOCAL LENGTH: 2.4mm RESOLUTION: 2688 x 1512 FRAME RATE: 25/30 OPTIONS: NONE	NO	YES	NO*	IK08	INDOOR	IP42	AXIS - M3086-V	

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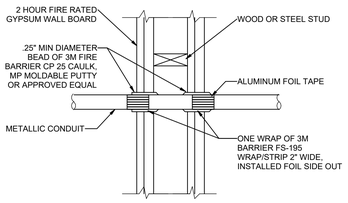
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AUXILIARY SCHEDULES AND NOTES

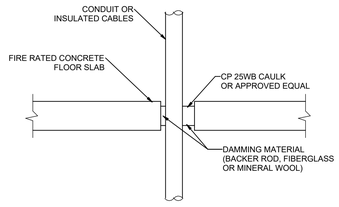
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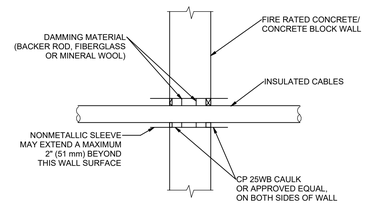
5 FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD

SCALE: NTS



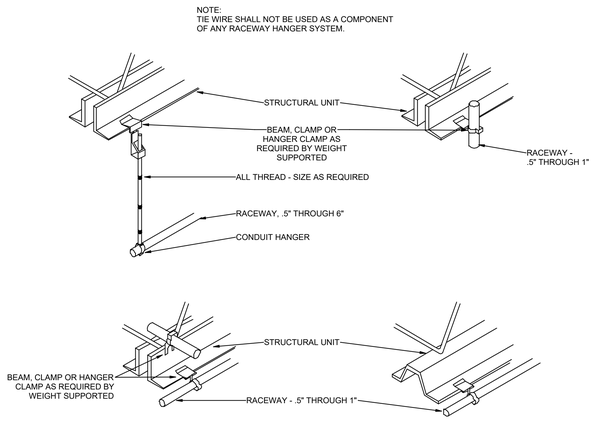
6 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING

SCALE: NTS



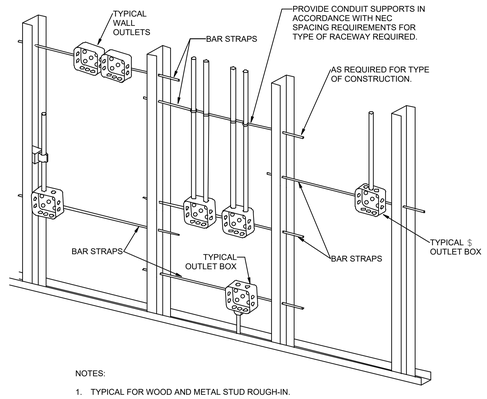
7 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS

SCALE: NTS



1 TYPICAL RACEWAY SUPPORT METHODS DETAIL

SCALE: NTS

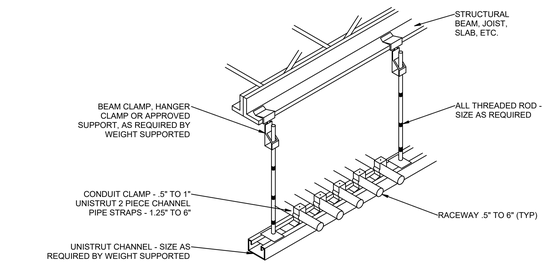


NOTES:

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 OR LISTED, SOUND AND FIRE RATED PUTTY PADS SHALL BE USED ON THE OUTLET BOXES.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

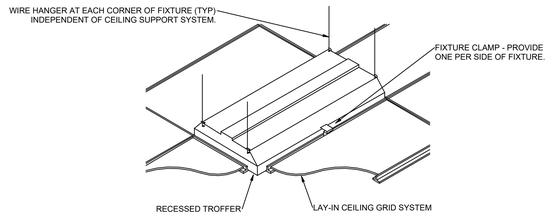
2 TYPICAL ROUGH-IN REQUIREMENTS DETAIL

SCALE: NTS



4 TYPICAL CONDUIT RACK DETAIL

SCALE: NTS



3 RECESSED FIXTURE MOUNTING DETAIL

SCALE: NTS

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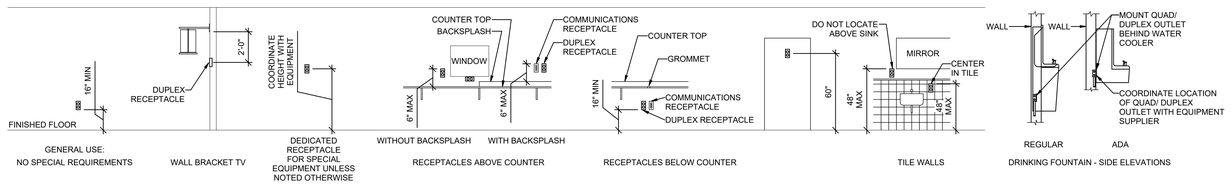
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ELECTRICAL DETAILS

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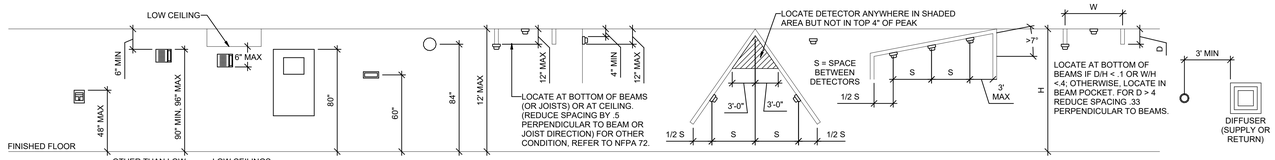
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GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT UNLESS NOTED OTHERWISE | WITHOUT BACKSPLASH | WITH BACKSPLASH | RECEPTACLES ABOVE COUNTER | RECEPTACLES BELOW COUNTER | TILE WALLS | REGULAR | ADA | DRINKING FOUNTAIN - SIDE ELEVATIONS

E2 RECEPTACLE MOUNTING DETAILS

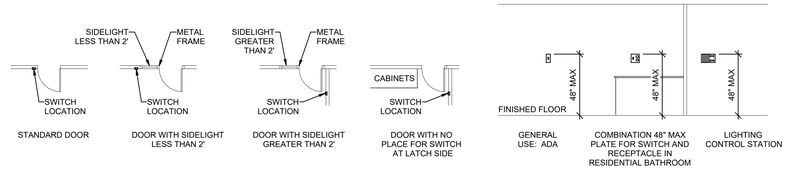
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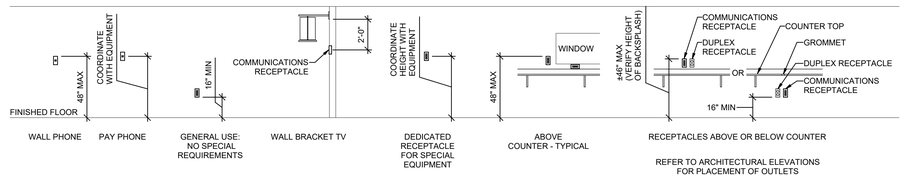
PULL STATION | AUDIBLE, VISIBLE, OR AUDIBLE/VISIBLE DEVICE | FIRE ALARM CONTROL PANEL | FIRE SYSTEM ANNUNCIATOR | BELL | SMOKE DETECTOR BETWEEN BEAMS | WALL MOUNTED SMOKE DETECTOR | SMOKE DETECTOR ON SLOPED CEILING (PEAKED) | SMOKE DETECTOR ON SLOPED CEILING (SHED) | HEAT DETECTOR BETWEEN BEAMS | SMOKE DETECTOR ADJACENT TO SUPPLY AIR

D2 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



STANDARD DOOR | DOOR WITH SIDELIGHT LESS THAN 2' | DOOR WITH SIDELIGHT GREATER THAN 2' | DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE | GENERAL USE: ADA | COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM | LIGHTING CONTROL STATION

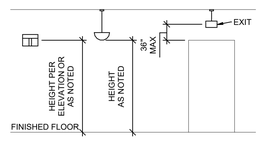


WALL PHONE | PAY PHONE | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | ABOVE COUNTER - TYPICAL | RECEPTACLES ABOVE OR BELOW COUNTER

REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS

C2 SWITCH MOUNTING DETAILS

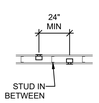
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WALL MOUNTED LIGHT FIXTURE | PENDANT LIGHT FIXTURE | PENDANT EXIT SIGNS

B3 BOX MOUNTING DETAILS

SCALE: NTS

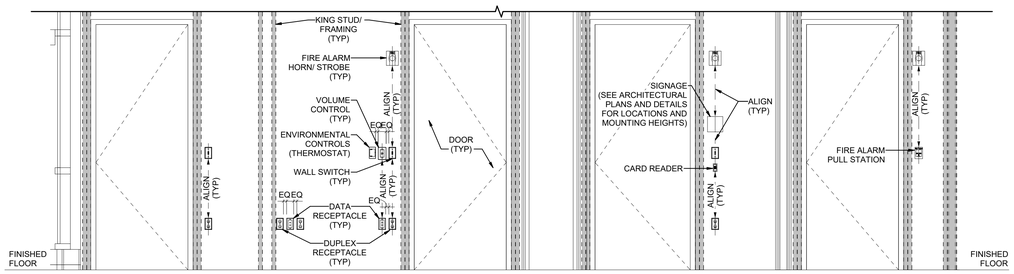


FOR LESS THAN 24" SEPARATION, PROVIDE LISTED SOUND AND FIRE PUTTY PADS

BOXES ON OPOSSITE SIDES OF WALL

C4 COMMUNICATIONS MOUNTING DETAILS

SCALE: NTS



B2 LIGHTING MOUNTING DETAILS

SCALE: NTS

B3 BOX MOUNTING DETAILS

SCALE: NTS

B4 TYPICAL WALL MOUNTED DEVICES ALIGNMENT 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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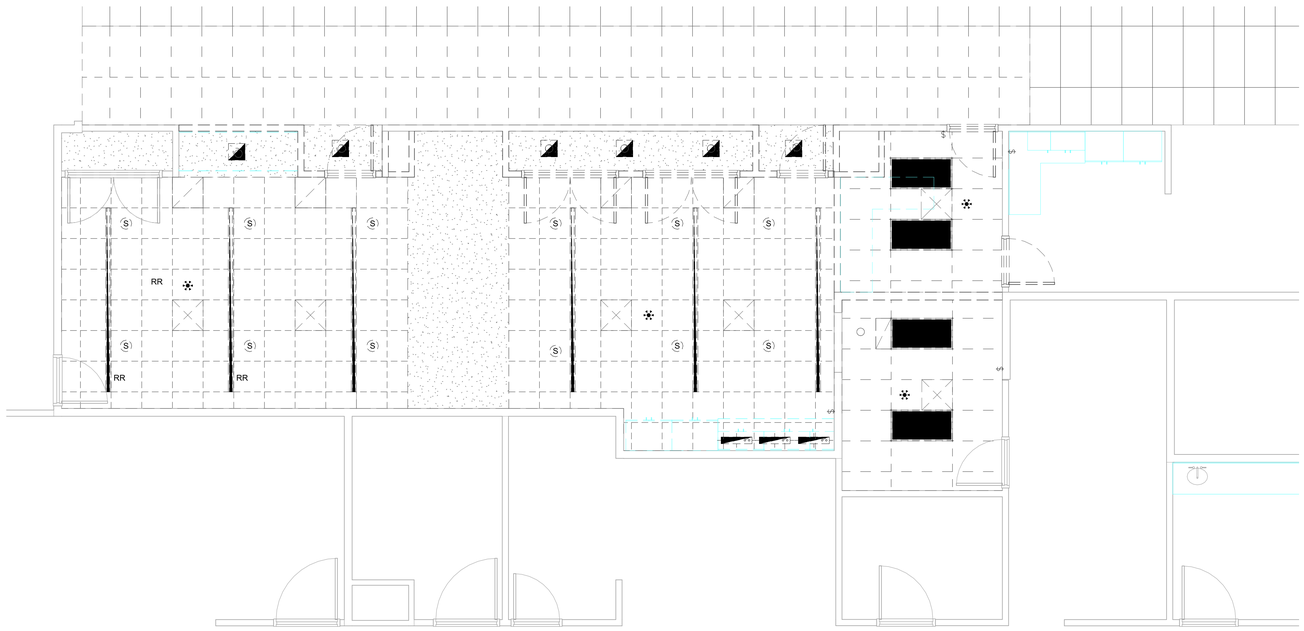
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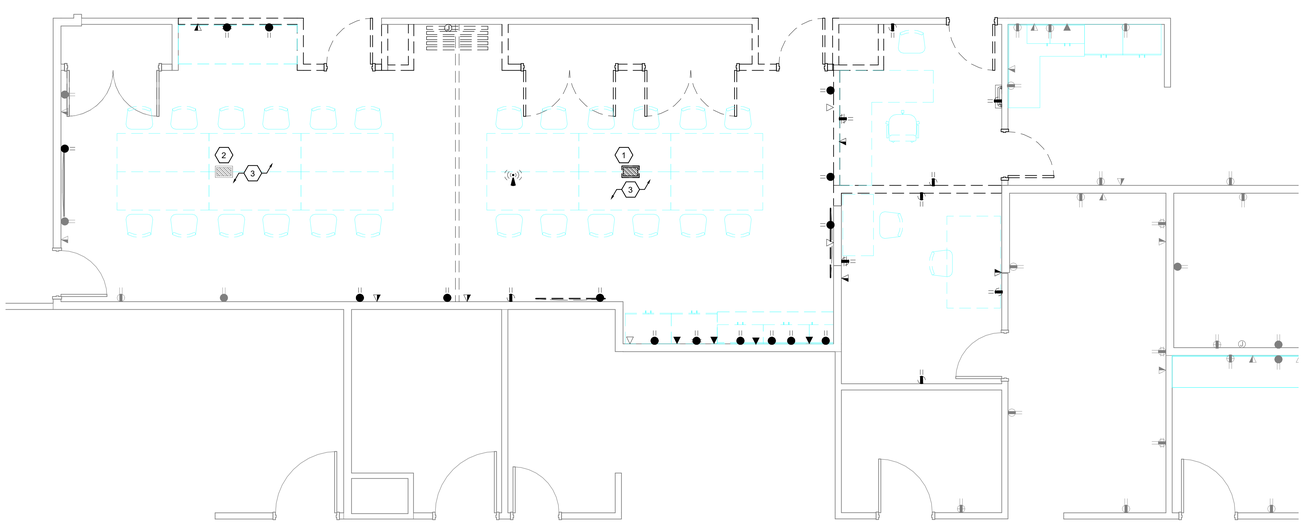
TYPICAL MOUNTING DETAILS

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2 LEVEL 1 CEILING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



1 LEVEL 1 ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.

2 SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.

3 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

4 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.

5 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

6 REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.

7 REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.

8 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

9 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.

10 REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNETS, ETC. BACK TO SOURCE

11 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

12 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.

13 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.

SHEET KEYNOTES

1 EXISTING FLOOR BOX TO BE DEMOLISHED. REMOVE ALL WIRING/CABLING BACK TO SOURCE, ABANDON CONDUITS IN PLACE.

2 CONTRACTOR TO FIELD VERIFY FLOOR BOX LOCATION. FLOOR BOX TO BE DEMOLISHED IF IT INTERFERES WITH THE NEW WALL.

3 EXISTING A/V EQUIPMENT TO BE REMOVED AND SALVAGED TO OWNER.

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LEVEL 1
ELECTRICAL
DEMOLITION
PLAN

ED101

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1 LEVEL 1 OVERALL POWER PLAN
SCALE: 1/8" = 1'-0"

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GENERAL SHEET NOTES

1 PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS AFFECTED BY THE PROJECT.

2 CONTRACTOR TO REFER TO IMAGING VENDOR DRAWINGS FOR ADDITIONAL RESPONSBILIITES.

3 ALL RECEPTACLES WITHIN 6' OF A SINK SHALL BE GFCI PROTECTED.

4 ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIREMENTS OF NEC 517.13.

5 COORDINATE ALL ELECTRICAL DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS/ELEVATIONS. VERIFY THAT ALL WALL MOUNTED ELECTRICAL DEVICES LAND ENTIRELY WITHIN OR ENTIRELY ABOVE THE WALL PROTECTION.

SHEET KEYNOTES

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OVERALL POWER PLAN

EP100

GENERAL SHEET NOTES

1 PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS AFFECTED BY THE PROJECT.

2 CONTRACTOR TO REFER TO IMAGING VENDOR DRAWINGS FOR ADDITIONAL RESPONSBILIITES.

3 ALL RECEPTACLES WITHIN 6' OF A SINK SHALL BE GFCI PROTECTED.

4 ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIREMENTS OF NEC 517.13.

5 COORDINATE ALL ELECTRICAL DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS/ELEVATIONS. VERIFY THAT ALL WALL MOUNTED ELECTRICAL DEVICES LAND ENTIRELY WITHIN OR ENTIRELY ABOVE THE WALL PROTECTION.

SHEET KEYNOTES

1 CONNECT TO EXISTING 120V RECEPTACLE CIRCUIT.

2 PROVIDE NEW 40A/2P BREAKER IN EXISTING GE PANELBOARD.

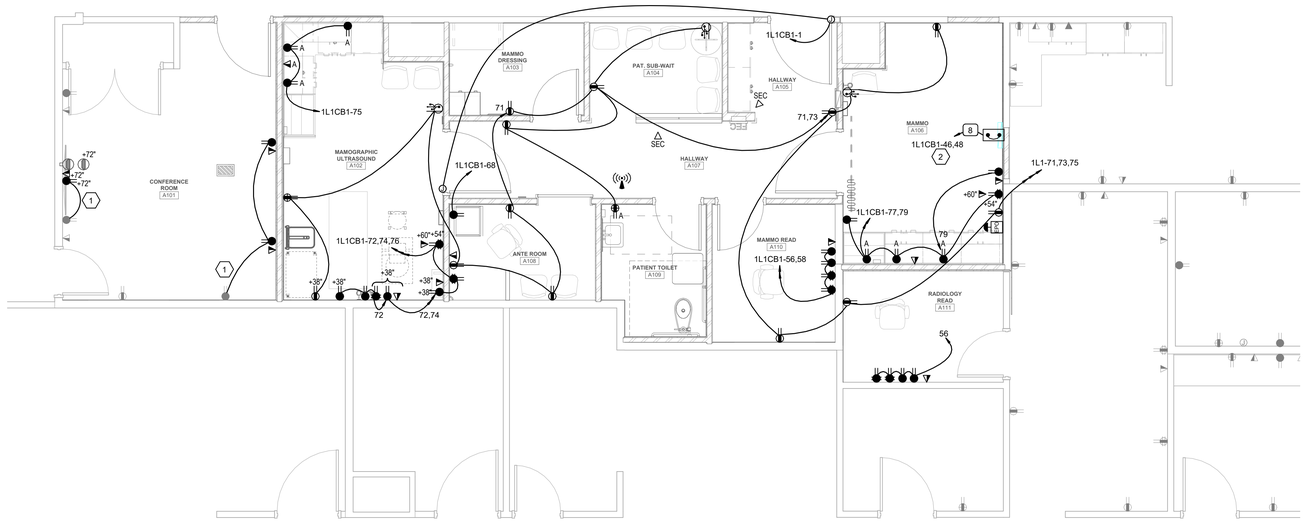
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1 LEVEL 1 POWER PLAN
SCALE: 1/4" = 1'-0"

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LEVEL 1
POWER PLAN

EP101

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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.

GENERAL SHEET NOTES

1 PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.

2 REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.

3 ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.

4 PROVIDE PERFORMANCE TESTING FOR GROUND-FAULT PROTECTION SYSTEMS ON SITE WITH A WRITTEN RECORD OF THIS TEST SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PER NEC 230.95(C).

SHEET KEYNOTES

1 PROVIDE NEW BREAKER IN EXISTING GE PANELBOARD.

COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER

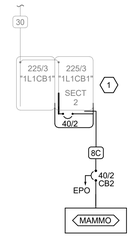
SUBSCRIPT (NOTE 5)

(E.G. 5C IG)

CONDUCTOR AND CONDUIT 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 CONDUCTOR IS BELOW #1/0 IN SIZE.
   - "CI": PROVIDE CIRCUIT INTEGRITY CABLE; TYPE TWO-HOUR FIRE RESISTIVE CABLES IN CONDUIT OR PROVIDE FEEDER ENCASED IN CONCRETE.
   - "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.
   - "MC": PROVIDE FEEDER IN METAL-CLAD CABLE; TYPE MC IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
   - "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
   - "SER": PROVIDE SERVICE-ENTRANCE CABLE; TYPE SE OR SER IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.

SYM	AMP	HH AMPS	CONDUIT SIZE	CONDCUTOR (NOTE 1) QTY	SIZE	G	IG/HH	SE	NOTES
1C	20	-	0.75	2	12	12	12	8	2
2C	20	-	0.75	3	12	12	12	8	2
3C	20	24	0.75	4	12	12	12	8	2
4C	30	-	0.75	2	10	10	10	8	2
5C	30	-	0.75	3	10	10	10	8	2
6C	30	32	0.75	4	10	10	10	8	2
7C	40	-	1	2	8	10	8	6	2
8C	40	-	1	3	8	10	8	6	2
9C	40	44	1	4	8	10	8	6	2
10C	55	-	1	2	6	10	8	4	2
11C	55	-	1	3	6	10	8	4	2
12C	55	60	1.25	4	6	10	8	4	2
13C	70	-	1	2	4	8	4	2	2
14C	70	-	1.25	3	4	8	4	2	2
15C	70	76	1.25	4	4	8	4	2	2
16C	85	-	1.25	2	3	8	3	2	2
17C	85	-	1.25	3	3	8	3	2	2
18C	85	92	1.25	4	3	8	3	2	2
19C	95	-	1.25	3	2	8	2	2	2
20C	95	104	1.5	4	2	8	2	2	2
21C	130	-	1.5	3	1	6	2	2	2
22C	130	116	1.5	4	1	6	2	2	2
23C	150	-	2	3	1/0	6	2	1/0	2
24C	150	136	2	4	1/0	6	2	1/0	2
28C	200	180	2.5	4	3/0	6	2	2/0	2
30C	230	208	2.5	4	4/0	4	2	2/0	2
34C	310	280	3	4	350	3	1/0	3/0	2
38C	400	360	2 EA 2.5	4	3/0	3	3/0	3/0	2
42C	620	560	2 EA 3	4	350	1/0	4/0	3/0	2
52C	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4
53C	1675	1520	5 EA 4	4	400	4/0	4/0	4/0	4
55C	2660	2408	7 EA 4	4	500	350	350	350	4



1 ONE-LINE DIAGRAM

SCALE: 3/32" = 1'-0"

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ONE-LINE DIAGRAM

EP601

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GENERAL SHEET NOTES

1 PROVIDE PROTECTIVE BUSHING ON THE END OF ALL CONDUIT RUNS.

2 IN LOCATIONS WHERE CONDUIT IS STUBBED INTO THE CEILING SPACE, THE USE OF J-HOOKS IS REQUIRED TO CARRY THE CABLE BACK TO CABLE TRAY. MAXIMUM SPACING OF J-HOOKS IS 60". ENSURE NO MORE THAN 6 " OF SAG AT THE LOWEST POINT OF THE CABLE. IF SAG IS GREATER THAN 6" ADD ADDITIONAL J-HOOKS FOR SUPPORT.

3 A SINGLE BEND CANNOT BE GREATER THAN 90 DEGREES.

4 NO MORE THAN 180 DEGREE IN BENDS IS ALLOWED WITH PROVIDING AN ACCESSIBLE PULL BOX. PULL BOX MUST BE IN AN ACCESSIBLE CEILING SPACE FOR ONGOING SUPPORT AND MAINTENANCE.

5 A SINGLE CONDUIT FOR HORIZONTAL CABLE CANNOT RUN MORE THAN 100 ' CONTINUOUSLY WITHOUT A PULL BOX OR AN ACCESSIBLE PULL POINT.

6 TELECOMMUNICATIONS CONDUIT SHOULD NOT RUN OVER OR ADJACENT TO BOILERS, INCINERATORS, HOT WATER LINES, OR STEAM LINES.

7 ALL CONDUIT MUST BE SEALED PROPERLY AFTER CABLE INSTALLATION TO ENSURE ANY RATED WALL ASSEMBLIES ARE RETURNED TO THE ORIGINAL WALL RATING.

8 TELECOMMUNICATIONS WORK AREA OUTLET SHOULD BE LOCATED WITHIN 3 ' OF AN ELECTRICAL OUTLET AND INSTALLED AT THE SAME ELEVATION.

9 THE DAISY CHAINING OF TELECOMMUNICATIONS BOXES IS NOT ALLOWED. ALL CONDUIT RUNS MUST BE DEDICATED TO ONE OUTLET LOCATION.

10 ALL CONDUITS INSTALLED FOR THE USE OF BACKBONE CABLE MUST USE LONG SWEEPS.

11 VERTICAL SLEEVES MUST EXTEND A MINIMUM OF 3 " ABOVE THE FINISHED FLOOR BUT NO MORE THAN 8" ABOVE THE FINISHED FLOOR.

12 VERTICAL SLEEVES MUST BE COORDINATED WITH THE ENLARGE TELECOM VIEWS TO ENSURE PROPER CIRCULATION SPACE IS GIVEN.

13 VERTICAL SLEEVES SHOULD BE ADJACENT TO THE WALL AND IN A CORNER WHERE AT ALL POSSIBLE TO ALLOW FOR PROPER CABLE RACKING. NO MORE THAN TWO ROWS OF SLEEVES ARE ALLOWED.

14 VERTICALLY MOUNTED LADDER RACK IS REQUIRED TO SUPPORT CABLE. CABLE SHOULD BE SUPPORTED IN A VERTICAL POSITION TO ENSURE CABLE DOES NOT SLIP.

15 ALL VERTICAL SLEEVES MUST BE PROPERLY SEALED AFTER USE.

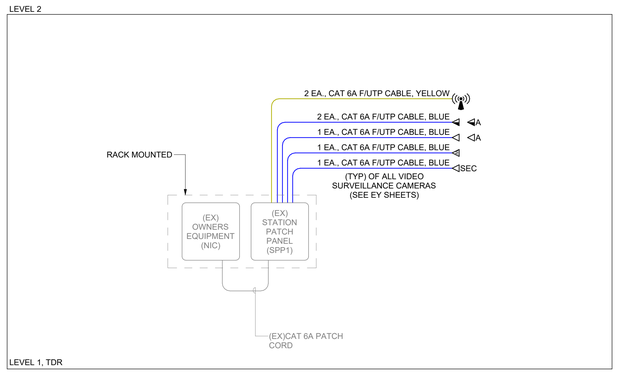
16 ALL CONDUIT SHOULD HAVE A PULL CORD INSTALLED WITH A MINIMUM TEST RATING OF 200 LBS.

17 AFTER CONDUIT INSTALLATION CONDUITS SHOULD BE LEFT CLEAN, DRY, AND UNOBSTRUCTED; REAMED AND FITTED WITH BUSHINGS, CAPPED FOR PROTECTION, AND LABELED FOR IDENTIFICATION.

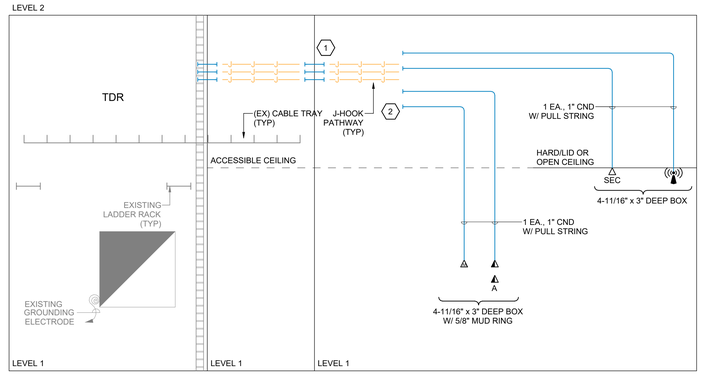
18 ALL CABLE TRAY INSTALLATION MUST UTILIZE TRAPEZE MOUNTING. NO CENTER HUNG SUPPORTS WILL BE ALLOWED. NO WALL MOUNTS WILL BE ALLOWED. IF TRAPEZE SUPPORTS CANNOT BE USED, A REQUEST MUST BE SUBMITTED TO ALLOW ALTERNATE MOUNTING METHODS.

19 ALL CABLE TRAY MUST BE SEISMICALLY BRACED.

20 ALL CABLE TRAY THAT PENETRATES A RATED WALL ASSEMBLY MUST BE SEALED TO RETURN THE WALL TO ITS ORIGINAL RATING.



1 TELECOM CABLE RISER DIAGRAM
SCALE: 1/8" = 1'-0"



2 TELECOM CONDUIT RISER DIAGRAM
SCALE: 1/8" = 1'-0"

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TELECOM RISER DIAGRAMS

EP650

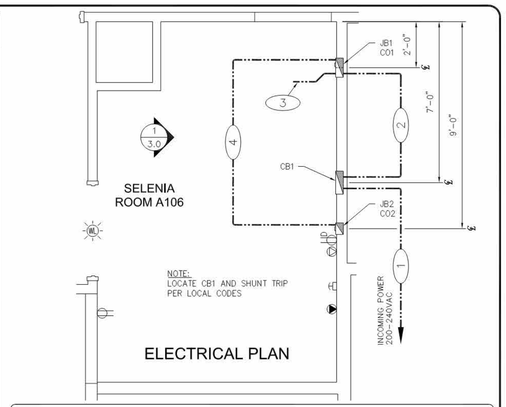
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ELECTRICAL LEGEND

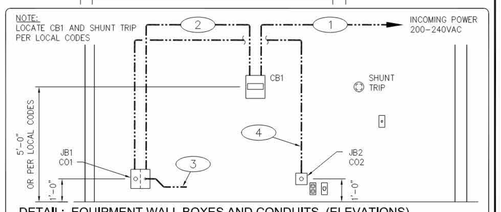
SUPPLIED AND INSTALLED BY HOSPITAL'S ELECTRICAL CONTRACTOR

ITEM	DESCRIPTION
CB1	DEDICATED CIRCUIT BREAKER/DISCONNECT WITH REMOTE EMERGENCY OFF SHUNT TRIP. (SHUNT TRIP USED ONLY WHERE REQUIRED BY LOCAL CODE OR CUSTOMER) SUPPLY 200–240 VAC, 50–60 HZ, SINGLE PHASE, 40 AMP, HACR OR UL 489 LISTED CIRCUIT BREAKER / DISCONNECT. PROVIDE (2) CONDUCTOR #8 AWG WIRES, AND (1) #8 AWG GROUND WIRE FROM "CB1" TO "JB1" WITH 36" NON–TERMINATED PIGTAILS. PROVIDE CONDUIT TO "JB1, SIZED PER CODE. MAXIMUM LINE IMPEDANCE NOT TO EXCEED: 0.20 OHMS FOR 208, 220, 230, 240VAC, 0.16 OHMS FOR 200VAC (IEC 601–2–7, TABLE 101). SEE ELECTRICAL SPECIFICATIONS SHEET 3.2. LOCATE PER LOCAL CODE. GANTRY TO BE PERMANENTLY WIRED. THE CONNECTION OF CUSTOMER SUPPLIED POWER WIRES TO THE GANTRY IS TO BE PERFORMED BY CUSTOMER'S LICENSED ELECTRICIAN.
JB1	10" x 10" x 4" FLUSH MTD. ELECTRICAL WALL BOX WITH REMOVABLE COVER, AND DIVIDER. 12" FLOOR TO CENTER. PROVIDE 2" DIA. CONDUIT TO "JB2". PROVIDE 2" DIAMETER GROMMETED CUT–OUT IN COVER. PROVIDE 3/4" DIA. SEALTITE OR EQUAL FLEXIBLE METALLIC CONDUIT TO GANTRY.
JB2	6" x 6" x 4" FLUSH MTD. ELECTRICAL WALL BOX WITH REMOVABLE COVER, 1'–0" FLOOR TO CENTER. PROVIDE 2" DIA. GROMMETED CUT–OUT IN COVER.
CO1	2" DIA. GROMMETED CUT–OUT IN COVER OF "JB1".
CO2	2" DIA. GROMMETED CUT–OUT IN COVER OF "JB2".
	DEDICATED 120V, 20 AMP HOSPITAL GRADE DUPLEX OUTLET. (ACQUISITION WORKSTATION).
	120V, 20 AMP DUPLEX OUTLET. (FOR SERVICE/TEST EQUIPMENT).
	WALL OUTLET BOX FOR CAT 5 / CAT 6 CABLE. (HOSPITAL NETWORK CONNECTION). RECOMMEND HOLOGIC CONNECT FOR REMOTE DIAGNOSTIC SERVICE, SWITCH GIGABIT ETHERNET (100/1000 BASE–T).
	DEDICATED OUTSIDE PHONE LINE (OPTIONAL / RECOMMENDED). CUSTOMER TO DETERMINE REQUIREMENT, LOCATION. SUGGESTED LOCATION SHOWN.
	REMOTE EMERGENCY OFF SHUNT TRIP SWITCH, LOCATE PER CODE. SEE DETAIL ON SHEET 3.1. (OPTIONAL / RECOMMENDED – USED ONLY WHERE REQUIRED BY LOCAL CODE OR CUSTOMER PREFERENCE) SUGGESTED LOCATION SHOWN.
WL	WARNING LIGHTS. SEE DETAIL SHEET 3.1. (OPTIONAL – USED ONLY WHERE REQUIRED BY LOCAL CODE OR CUSTOMER PREFERENCE). CONNECTION OF SWITCH LEG TO GANTRY CONTACTS PERFORMED BY CUST. ELECTRICIAN.
1	PROVIDE CONDUIT AS REQUIRED TO CIRCUIT BREAKER "CB1" FROM INCOMING POWER SOURCE. SIZE PER CODE.
2	PROVIDE CONDUIT FROM "CB1" TO "JB1". SIZE PER CODE.
3	PROVIDE 3/4" DIAMETER FLEXIBLE METALLIC CONDUIT (SEALTITE OR EQUAL) FROM COVER OF "JB1" TO BACK OF GANTRY. LENGTH SHOULD ALLOW FOR A 12 – 18" SERVICE LOOP.
4	PROVIDE 2" CONDUIT FROM "JB1" TO "JB2". MAXIMUM LENGTH 32'.

NOTE: HOLOGIC INSTALLERS WILL UTILIZE EXISTING WIREWAYS, CONDUITS, POWER LOCATIONS, ETC.., WHENEVER FEASIBLE. RECOMMEND ELECTRICAL CONTRACTOR COORDINATE WITH THE LOCAL HOLOGIC INSTALLER AND/OR INSTALLATION COORDINATOR, AND REFER TO NATIONAL AND LOCAL CODES.



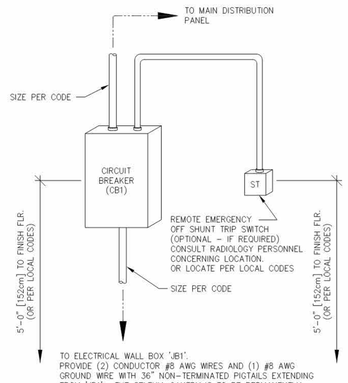
ELECTRICAL PLAN



DETAIL: EQUIPMENT WALL BOXES AND CONDUITS (ELEVATIONS)

SCALE: 3/8" = 1'–0"

Hologic, Inc. 35 Crosby Drive Bedford, MA 01730-1401 USA
HOLOGIC
REV. 0.1
REV. APPROVED BY: DATE: DOCUMENT NUMBER: SIZE: B ARCH
REV. CHAPTER: DATE:
REV. RELEASE DATE:
THIS DOCUMENT CONTAINS PROPRIETARY DATA OF HOLOGIC, INC. AND SHALL NOT BE USED FOR PURPOSES OTHER THAN THOSE AGREED UPON BETWEEN HOLOGIC AND ITS CUSTOMER. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.
LAYTON HOSPITAL
FINAL ROOM PLAN
LAYTON, UT
THESE DRAWINGS ARE FOR REVIEWING PURPOSES ONLY
DATE: 07–29–25
SCALE: 3/8" = 1'–0"
DRAWN BY: TOZ
CHECKED BY: FINNEGAN, KERRY
PROJECT NO: 25973F
SHEET NO: 3.0

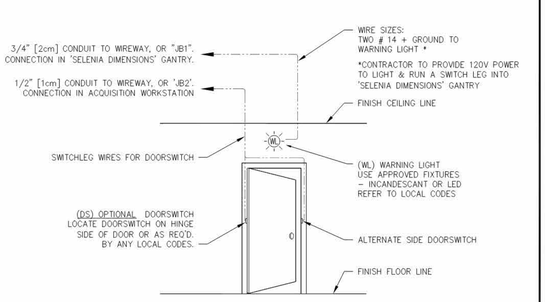


TO ELECTRICAL WALL BOX "JB1".
PROVIDE (2) CONDUCTOR #8 AWG WIRES AND (1) #8 AWG GROUND WIRE WITH 36" NON–TERMINATED PIGTAILS EXTENDING FROM "JB1". THE SELENIA GANTRY IS TO BE PERMANENTLY WIRED ONLY.

TYPICAL CIRCUIT BREAKER DIAGRAM

CUSTOMER MAY HAVE TO STEP–UP EXISTING INCOMING POWER WITH TRANSFORMER TO MEET HOLOGIC'S POWER SPECIFICATIONS. MUST MEET ALL ELECTRICAL SPECIFICATIONS PER SHEET 3.0, 3.2. PLEASE VAUIDATE PRIOR TO INSTALLATION, AND/OR CONSULT WITH LOCAL HOLOGIC FIELD ENGINEER OR INSTALLATION COORDINATOR PRIOR TO INSTALLATION.

IF STEP–UP TRANSFORMER IS USED FOR THIS APPLICATION TRANSFORMER MUST HAVE LESS THAN .15 OHMS OF IMPEDANCE.



TYPICAL DOOR SWITCH / WARNING LIGHT DETAIL

(OPTIONAL - ONLY USED WHERE REQUIRED BY LOCAL CODE OR CUSTOMER PREFERENCE)

DESCRIPTION:
WARNING LIGHT = 4" [10cm] STANDARD BOX WITH "X–RAY ON" OR RED WARNING LAMP OVER DOOR. USE APPROVED FIXTURES – INCANDESCENT OR LED. REFER TO LOCAL CODES.
(SUPPLIED, INSTALLED, AND TERMINATED BY HOSPITAL'S ELECTRICAL CONTRACTOR.)

HOSPITAL'S ELECTRICAL CONTRACTOR TO PROVIDE POWER TO THE LAMP, AND A SWITCH LEG TO THE "SELENIA DIMENSIONS" GANTRY FOR CONTACT CLOSURE ONLY. AN XRAY EXPOSURE WILL CLOSE THE CONTACT, ENERGIZING THE LIGHT.
NOTE: CUSTOMER MAY USE A WALL SWITCH FOR THIS PURPOSE IF DESIRED. (TYPICALLY USED ONLY WHERE REQUIRED BY CODE, OR CUSTOMER PREFERENCE)

THE CONTACT RELAYS ARE RATED AT: 250VAC, 10 AMP NORMALLY OPEN, AND 10 AMP, 30VDC NORMALLY OPEN.

OPTIONAL DOORSWITCH = MICROSWITCH IN DOOR JAMB TO DISABLE EXPOSURE IF THE DOOR IS OPEN. CONTRACTOR TO PROVIDE A SWITCH LEG WITH 1/4" MALE PHONE PLUG TO THE AWS CONSOLE FOR CONTACT CLOSURE.

THE CONNECTION OF CUSTOMER SUPPLIED WIRES TO THE GANTRY AND AWS CONSOLE CONTACTS IS TO BE PERFORMED BY THE CUSTOMER'S LICENSED ELECTRICIAN.

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FINAL ROOM PLAN
LAYTON, UT
THESE DRAWINGS ARE FOR REVIEWING PURPOSES ONLY
DATE: 07–29–25
SCALE: 3/8" = 1'–0"
DRAWN BY: TOZ
CHECKED BY: FINNEGAN, KERRY
PROJECT NO: 25973F
SHEET NO: 3.1

ELECTRICAL USE REQUIREMENTS

REQUIREMENT	GANTRY	ACQUISITION WORKSTATION
INPUT LINE VOLTAGE	200, 208, 220, 230, 240VAC, 50–60 HZ, SINGLE PHASE	100, 120 VAC/220, 230, 240VAC
INPUT CURRENT	40 AMP, HACR OR UL 489 RATED CIRCUIT BREAKER / DISCONNECT.	3.5 A/2.0A
FREQUENCY	THE SELENIA DIMENSIONS GANTRY TO BE PERMANENTLY WIRED ONLY BY CUSTOMER'S LICENSED ELECTRICIAN.	50–60 HZ, SINGLE PHASE
NUMBER OF PHASES		HOSPITAL GRADE RECEPTACLE REQUIRED

PHYSICAL AND ENVIRONMENTAL REQUIREMENTS

OPERATING TEMPERATURE RANGE (MAINTAIN TEMPERATURE RANGE 24 HRS./DAY, 7 DAYS/WK.)	68 – 86° F (20–30° C) / 77° F – ROOM TEMP FOR OPTIMAL PERFORMANCE MAXIMUM ALLOWABLE TEMPERATURE CHANGE RATE OF 10° C PER HOUR.	
OPERATING HUMIDITY RANGE	20 – 80% , NON CONDENSING.	
STORAGE TEMPERATURE (SYSTEM POWERED DOWN, OR IN STORAGE)	50 – 104° F (10 – 40° C) – GANTRY, EXCLUDING DETECTOR ASSEMBLY 59 – 86° F (15 – 30° C) – DETECTOR ASSEMBLY 14 – 104° F (–10 – 40° C) – ACQUISITION WORKSTATION	
ELECTROMAGNETIC INTERFERENCE	REFER TO SITE PLANNING GUIDE FOR SPECIFICATIONS	
MAXIMUM SEPARATION FROM IMAGE RECEPTOR	N/A	12.2M (40")
OVERALL DIMENSIONS	26"W x 35"D x 88"H * C–ARM SPANS 68"W * (66cm x 89cm x 224cm)	53.4"W x 48.4"D x 80.3"H (135.6cm x 122cm x 204cm)

NETWORKING NOTES:

SUPPLYING AND INSTALLING NETWORK CONNECTIONS BETWEEN DIAGNOSTIC IMAGING EQUIPMENT AND OTHER NODE CONNECTIONS SHALL BE THE CUSTOMER'S RESPONSIBILITY. CUSTOMER MUST SPECIFY, SUPPLY AND INSTALL PROPER RECEPTACLES, AUI TRANSCEIVERS, CABLING, REPEATERS, ROUTERS, MODEMS, ETC. WHICH ARE CONSISTENT WITH THE SITE NEEDS AND SOUND NETWORK IMPLEMENTATION PRACTICES. ALSO INCLUDED, BUT NOT LIMITED TO, THE CUSTOMER'S RESPONSIBILITY IS THE PURCHASE AND INSTALLATION OF CONDUITS, RACEWAYS FOR CONTAINMENT AND ROUTING OF NETWORKING CABLES, AS DETERMINED BY SITE CONDITIONS, OR REQUIRED BY PREVAILING CODES.

MAMMOGRAPHY SYSTEM SPECIFICATIONS:

SYSTEM

INPUT LINE	200–240VAC, (±10%), 65 AMP MAX. FOR 5 SECOND DURATION AT 208VAC, 50–60HZ

GENERATOR

TYPE	CONSTANT POTENTIAL HIGH FREQUENCY, INVERTER TYPE
RATING	7.0 kW, MAX. (ISOWATT), 200 mA AT 35 kV
kV RANGE	20 kV TO 49 kV IN 1 kV INCREMENTS
mAs RANGE	3.0 mAs TO 500 mAs
mA RANGE	10 mA TO 200 mA, LARGE FOCAL SPOT 10 mA TO 50 mA, SMALL FOCAL SPOT

C-ARM ASSEMBLY

VERTICAL TRAVEL	71 CM TO 142 CM (27.8" TO 56")
ROTATION	MOTORIZED +195° TO –155° CONVENTIONAL MAMMOGRAPHY +180° TO –140° BIOPSY, TOMOSYNTHESIS
SID	70 CM
PATIENT FACE SHIELD	REMOVABLE, RETRACTABLE

RADIATION SHIELD

H x W	203 CM x 86 CM (80" x 34")
LEAD EQUIVALENCE	0.5 MM
MATERIAL	LEADED ACRYLIC

UL LISTING NOTE

THE "SELENIA DIMENSIONS" SYSTEM IS UL APPROVED "AS A SYSTEM". THE GANTRY AND CONSOLE ARE NOT CONSIDERED TO BE INDEPENDANT COMPONENTS (BY UL). A SINGLE UL CERTIFICATION LABEL HAS BEEN PROVIDED BY UL, AND IS AFFIXED TO THE AWS CONSOLE.

SUPPLEMENTAL NOTES

ALL ITEMS LISTED BELOW ARE TO BE PROVIDED / DESIGNED BY THE ARCHITECT. THE ARCHITECT SHALL CONSULT WITH THE CUSTOMER FOR ANY ADDITIONAL INFORMATION.

1. RECOMMEND INCANDESCENT OR LED, AS WELL AS FLUORESCENT LIGHT FIXTURES. THE INCANDESCENT OR LED FIXTURES SHOULD BE DISTRIBUTED AROUND THE ROOM. HOLOGIC RECOMMENDS AGAINST THE USE OF DIMMER CONTROLS, AS THEY CAN CAUSE ISSUES WITH EMI INTERFERENCE.
2. IT IS RECOMMENDED THAT ALL DIAGNOSTIC ROOMS SHOULD HAVE TILE OR VINYL FLOORING.
3. A TILE DROP CEILING IS RECOMMENDED FOR ANY DIAGNOSTIC ROOMS.
4. ALL CABINETRY WORK IS TO BE DESIGNED AND PROVIDED BY THE ARCHITECT. RECOMMEND ALL COUNTERS HAVE ROUNDED CORNERS.

GROUNDING NOTES

* FIELD VERIFY ACTUAL APPLICATION WITH LOCAL LICENCED ELECTRICIAN.

THE SOURCE GROUND CONNECTION FOR THIS SYSTEM WILL BE THE GROUND SIDE OF THE NEUTRAL TO GROUND BONDING POINT FOR THE POWER DELIVERED TO THIS SYSTEM. THE SOURCE WILL BE EITHER THE MAIN SERVICE ENTRANCE PANEL OR A SEPARATELY DERIVED SOURCE, SUCH AS AN ISOLATION TRANSFORMER. SYSTEM LOCALIZED COLD WATER PIPING OR BUILDING STEEL ARE NOT ACCEPTABLE GROUND SOURCE CONNECTION POINTS. THE SOURCE GROUND CONDUCTOR SHALL BE OF THE SAME SIZE AND TYPE AS THE PHASE CONDUCTORS SUPPLYING THE SYSTEM. REFER TO LOCAL AND NATIONAL ELECTRICAL CODES FOR GROUNDING REQUIREMENTS.

WIRING NOTES

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS, WIRE, WIREWAYS, DISTRIBUTION TRANSFORMERS, JUNCTION BOXES, ENCLOSURES, CIRCUIT BREAKERS, ETC. ALL WIRES TO BE THHN TYPE, STRANDED COPPER UNLESS OTHERWISE SPECIFIED. THE ELECTRICAL CONTRACTOR SHALL SUPPLY LUG PAIRS OF #8 OR GREATER FOR ALL CABLES LISTED WITHIN THE SCOPE OF THIS WORK. CONDUIT AND DUCT RUNS ARE SHOWN SCHEMATICALLY. ACTUAL BUILDING CONDITIONS WILL DETERMINE CONDUIT AND DUCT ROUTES. CONDUIT TURNS TO HAVE LARGE SWEEPING BENDS WITH MINIMUM RADIUS AS SPECIFIED IN NEC ART. 346–10. IF LARGE BENDS IN CONDUIT ARE NOT POSSIBLE, USE SERVICE ENTRANCE ELBOW CONNECTORS TO AVOID DAMAGE TO CABLE. ELECTRICAL CONTRACTOR TO PROVIDE 10"–0" TAILS FOR ALL WIRES UNLESS OTHERWISE SPECIFIED AND IDENTIFY BOTH ENDS OF ALL WIRES. ELECTRICAL CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THAT POINT TO POINT CONDUIT RUNS ARE AS SHORT AS FIELD CONDITIONS ALLOW. LEAVE PULL WIRE IN EMPTY CONDUITS. WORK SHALL COMPLY WITH REGULATORY AGENCIES OF JURISDICTION ALL SUCH AGENCIES SUPERSEDE THESE DRAWINGS AND MUST BE ADHERED TO. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SCRUTINIZING THESE DRAWINGS AND SHALL MAKE CORRECTIONS ACCORDING TO PREVAILING CODES. NOTE: CONDUITS MAY BE INCREASED IN SIZE BUT NEVER DECREASED WITHOUT CONSENT FROM THE EQUIPMENT REPRESENTATIVES. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE PATIENT GROUNDING NETWORK PER NATIONAL ELECTRIC CODE ARTICLE 517 AND NFPA 70. ALL CONDUIT SHALL BE RIGID TYPE UNLESS SPECIFIED OTHERWISE IN THIS DRAWING SET. ALL CONDUIT RUNS EXPOSED TO WET ENVIRONMENTS SHALL BE MADE LIQUID TIGHT. (e.g. UNDERGROUND, ETC.) ALL FLUSH MOUNTED ELECTRICAL BOXES AND WIRE TROUGHS SHALL HAVE OVERSIZED COVER PLATES. ALL FLUSH MOUNTED ELECTRICAL BOXES AND WIRE TROUGHS EXPOSED TO A WET ENVIRONMENT SHALL BE MADE LIQUID TIGHT. (e.g. IN FLOOR, ETC.) THE ELECTRICAL CONTRACTOR SHALL INSTALL, PROVIDE POWER TO AND CONNECT THE FOLLOWING IF REQUIRED: THE "X–RAY IN USE" WARNING SIGN; THE 120VAC, 15AMP RECEPTACLE; THE DOOR INTERLOCK SWITCH; THE EMERGENCY OFF SWITCH; AND THE 120VAC, DUPLEX OUTLETS FOR SERVICE AND HOUSEKEEPING.

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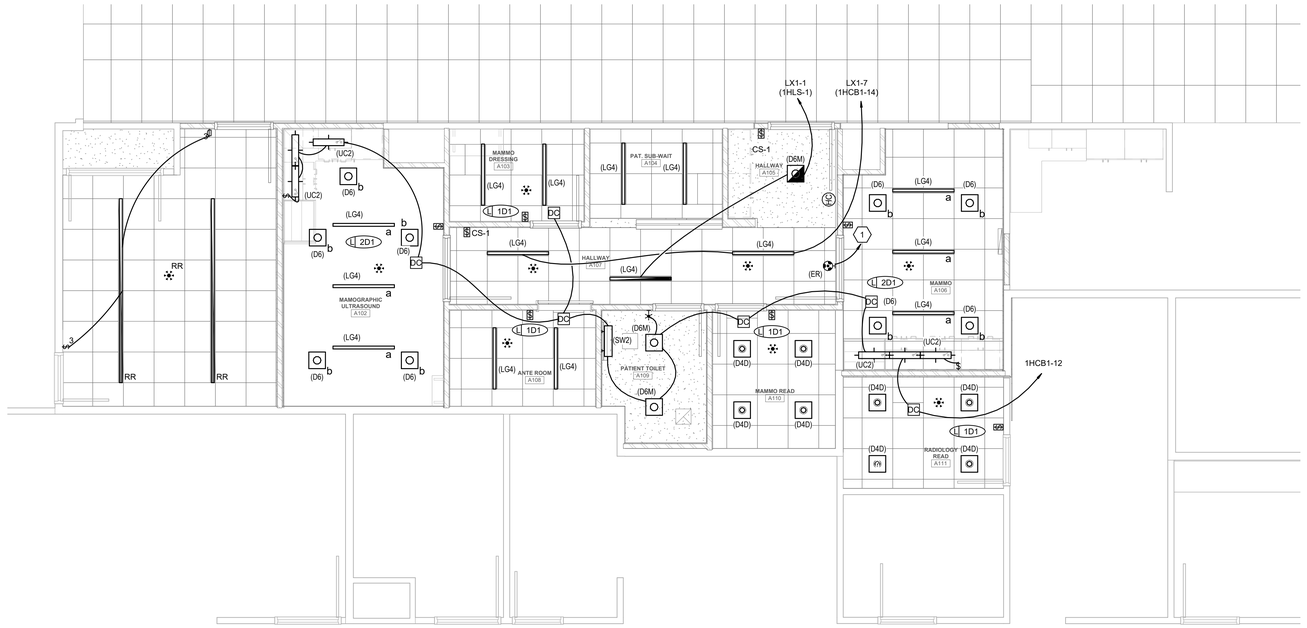
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IMAGING
VENDOR
DRAWINGS

EP701

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1 LEVEL 1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

1 CIRCUIT X-RAY IN USE LIGHT WITH ROOM LIGHTING. PROVIDE REQUIRED RELAYS/CONTROLLER TO CONNECT IN-USE LIGHT TO THE IMAGING EQUIPMENT. REFER TO VENDOR DRAWINGS.

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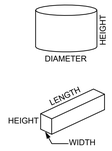
LEVEL 1
LIGHTING
PLAN

EL101

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INTERIOR LIGHTING FIXTURE SCHEDULE

GENERAL NOTES



1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

			LUMINAIRE				DRIVER			
ID	DESCRIPTION	SIZE (NOMINAL)	DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	MANUFACTURER (CATALOG SERIES)
(D4D)	DESCRIPTION: 4" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR MOUNTING: CEILING, RECESSED FINISH: WHITE TRIM FINISH OPTICS: - OPTIONS: DIM TO DARK EM: -	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 4"	1,600		3500K	90	DIM TO DARK	120/277	22	GOTHAM (IVO4D1SLM35K90CRIMDDARKMVOLTZTNCHPARLSSFWR)
(D6)	DESCRIPTION: 6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR MOUNTING: CEILING, RECESSED FINISH: WHITE TRIM FINISH OPTICS: - OPTIONS: - EM: -	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 6"	1,500		3500K	90	0-10V DIMMING (1%)	120/277	19	GOTHAM (EVO 35/15 AR LSS MWD MVOLT GZ1 TRW) HALO (HC615D010HM612835 61MDHWF) LIGHTOLIER (6RNP6RDL15835CCZ10U)
(D6M)	DESCRIPTION: 6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR MOUNTING: CEILING, RECESSED FINISH: WHITE TRIM FINISH OPTICS: - OPTIONS: - EM: -	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 6"	2,000		3500K	90	0-10V DIMMING (1%)	120/277	23	GOTHAM (EVO 35/15 AR LSS MWD MVOLT GZ1 TRW) HALO (HC615D010HM612835 61MDHWF) LIGHTOLIER (6RNP6RDL15835CCZ10U)
(ER)	DESCRIPTION: X-RAY IN USE LIGHT MOUNTING: WALL FINISH: SCBA OPTICS: - OPTIONS: - EM:-	LENGTH: - WIDTH: - DEPTH: -			RED		NO DIMMING	120/277	3	KENALL (METMSU MW R X-RAY IN USE DT) LITHONIA (LQM P W 1 R 120-277 SW16 X-RAY IN USE) CHLORIDE (AMS GW XRAY IN USE RFR) EMERGENSEE (SEEXEL-1-G-C-A-CUST OM-XRAY IN USE)
(LG4)	DESCRIPTION: 4" X 4' LINEAR RECESSED SLOT, GRID MOUNT MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 4' - 0" WIDTH: 0' - 4" DEPTH: -	3,200		3500K	90	0-10V DIMMING (1%)	120/277	25	PINNACLE (E4A-835-4'-GX-U-OL1-1-W) NEORAY (S124DR) MARK LIGHTING (SL4L)
(SW2)	DESCRIPTION: 2' LED VANITY LIGHT, SATIN CHROME FINISH, 2.25" WIDE MOUNTING: SURFACE, WALL FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: 0' - 2.25" DEPTH: -	2,000		3500K	90	NO DIMMING	120/277	19	EDGE LIGHT (TW12-S11-1RE-36"-35K-CH) EUREKA (3541-35-LED-17.40-120/277-SC-WH) LBL (LW496-OP-XX-LED-277) WAC (WS-77363) BIRCHWOOD (NOL-LED-225)
(UC2)	DESCRIPTION: 2' LED UNDERCABINET LIGHT MOUNTING: SURFACE FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: - DEPTH: -	600		3500K	90	NO DIMMING	120/277	8	DAY-BRITE (LINCS100E-L28-935-UNV-WHG-DIM) KENALL (AUCLED-1-MW-11L35K-24-277) AIREY-THOMPSON (13HC-N-35K-24-2-3-D11) KELVIX (UC22 3040 010V 120/277 WH)

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INTERIOR LIGHTING FIXTURE SCHEDULE

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LIGHTING/SPACE CONTROL TYPE SCHEDULE

WIRING LEGEND

- LINE VOLTAGE WIRING
- 0-10V WIRING
- CAT5E CABLING
- WIRING BY OTHERS
- TMP SEGMENT NETWORK CABLING

APPROVED MANUFACTURERS

1. WATTSTOPPER (BASIS OF DESIGN)
2. NLIGHT
3. HUBBELL BUILDING AUTOMATION
4. GREENGATE

LIGHTING CONTROL ID

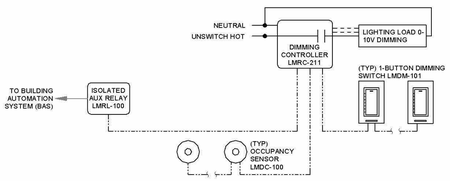
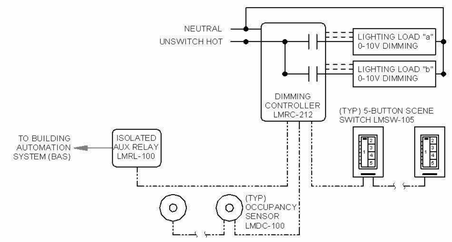
1. # = NUMBER OF ZONES
2. D = DIMMING, S = SWITCHING
3. P = DAYLIGHT PHOTOCELL
4. L = PLUG LOAD CONTROLLER
5. # = INSTANCE

GENERAL NOTES

1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH, LABEL TO MATCH BUTTON LABEL ID OR AS DIRECTED BY OWNER.
4. PART NUMBERS SHOWN ARE BASED ON WATTSTOPPER AS THE BASIS OF DESIGN. ALL APPROVED MANUFACTURERS ARE SUBJECT TO MEETING ALL FUNCTIONS AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO PROVIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST.

GENERAL NOTES

5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES.
6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS.
7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM.
8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.

ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN.)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
1D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP-"ON/RAISE" BOTTOM-"OFF/ LOWER"	-	-	-	-	-	-	-	-	-	
2D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	TOGGLE PRESS TOP-ON, PRESS BOTTOM-OFF, HOLD TOP-RAISE, HOLD BOTTOM-"OFF/ LOWER"	FUNCTION: PRESS-PRESET SCENE #01 ZONE "a" 75% ZONE "b" 75% LABEL ID: "PRE #1"	FUNCTION: PRESS-PRESET SCENE #02 ZONE "a" 0% ZONE "b" 50% LABEL ID: "PRE #2"	FUNCTION: PRESS-SELECT ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS-SELECT ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	-	-	-	-		

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LIGHTING CONTROL SCHEDULES

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LIGHTING RELAY CONTROL CHANNELS

GENERAL NOTES:
1. PROGRAMMING OF SYSTEM SHALL COMPLY WITH CURRENT IECC REQUIREMENTS.
2. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
3. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
4. ALL SPARE RELAYS AND CHANNELS SHALL BE INCLUDED WITH ORIGINAL SYSTEM INSTALLATION.
5. UPON LOSS OF NORMAL POWER, ALL EMERGENCY LIGHTING RELAYS SHALL TURN ON TO 100% UNTIL NORMAL POWER IS RESTORED, THEN GO BACK TO STANDARD MODE.
**CHANNEL SHALL BE PROGRAMMED WITH 10 MINUTE WARNING PRIOR TO TURNING LIGHTS OFF BY BLINKING THE LIGHTS OFF/ON/OFF/ON.

CONTROL CHANNEL	CHANNEL DESCRIPTION	CHANNEL PROGRAMMING REQUIREMENTS
(none)		
A	CORRIDOR	TIMED ON/OFF, OCCUPANCY ON/OFF AFTER HOURS, COORDINATE SCHEDULE WITH OWNER
B	CORRIDOR - EGRESS	TIMED ON/OFF, OCCUPANCY ON/OFF AFTER HOURS, COORDINATE SCHEDULE WITH OWNER, FIXTURES TO TURN ON DURING EMERGENCIES FOR EGRESS

LOW VOLTAGE OVERRIDE SWITCH SCHEDULE

1. COORDINATE INITIAL PROGRAMMING REQUIREMENTS AND SETTINGS WITH OWNER AND MODIFY PROGRAMMING, CONTROL TIMES, AND OPERATION AS DIRECTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS AS DIRECTED BY OWNER WITHIN THE FIRST 3 TO 6 MONTHS AFTER SUBSTATIAL COMPLETION AND BUILDING OCCUPANCY.
3. PROVIDE CUSTOMIZED PERMANENT BUTTON LABELING ON EACH OVERRIDE SWITCH. LABEL FOR EACH BUTTON SHALL CLEARLY INDICATE FUNCTION OF BUTTON OR ZONE SERVED.
4. PART NUMBERS SHOWN ARE BASED ON THE BASIS OF DESIGN MANUFACTURER NOTED.
5. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE FUNCTIONING LIGHITNG CONTROL SYSTEM MEETING ALL PROJECT REQUIREMENTS, DESIGN INTENT AND FEATURES/FUNCTIONS OF THE BASIS OF DESIGN PRODUCTS.
6. LIGHTING CONTROL PANEL SHALL EITHER BE FACTORY OR UL508 SHOP ASSEMBLED INCLUDING ALL REQUIRED COMPONENTS SUCH AS, BUT NOT LIMITED TO ENCLOSURE, POWER SUPPLIES, RELAYS, DIMMING MODULES, TERMINAL BLOCKS, SIGNAL INTERFACE, PROCESSOR, TIMECLOCK, WIRE MANAGEMENT, ETC. CONTRACTOR OR FIELD BUILT LIGHTING CONTROL PANELS WILL NOT BE PERMITTED.
7. THE LIGHTING CONTROL PANEL AND SEGMENT MANAGER MUST BE NETWORKED TOGETHER AND SHALL PROVIDE ALL FEATURES AND FUNCTIONS AVAILABLE TO THE LIGHTING CONTROL SYSTEM THROUGH THE NETWORK.

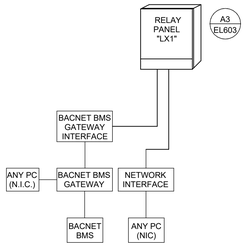
BUTTON	ZONE CONTROLLED	CONTROL DESCRIPTION	BUTTON ENGRAVING
CS-1			
1	HALLWAY A107	OVERRIDE ON 2 HOURS	YES - "ON"
2	HALLWAY A107	OVERRIDE OFF 2 HOURS	YES - "OFF"

NJRA ARCHITECTS

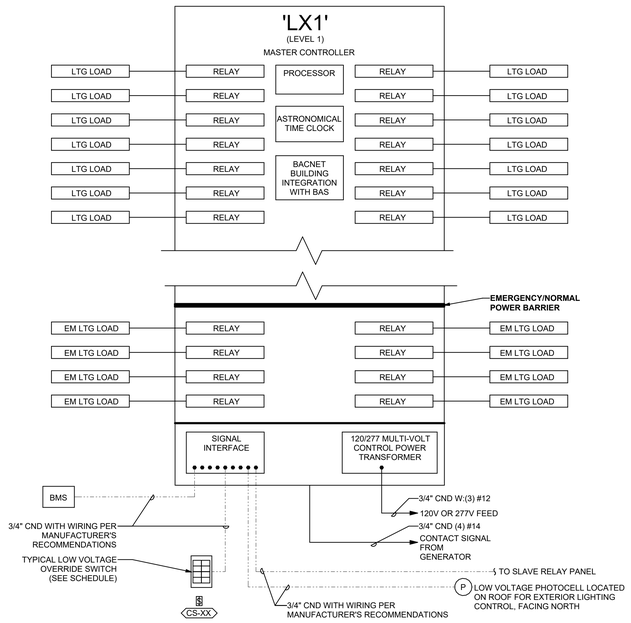
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PROFESSIONAL ENGINEER
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JASON B. WORTHEN
STATE OF UTAH
07/31/25

SPECTRUM ENGINEERS
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Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com



A1 NETWORKED LIGHTING CONTROL RISER DIAGRAM
SCALE: NTS



A3 TYPICAL MASTER LIGHTING RELAY PANEL
SCALE: NTS

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Layton Hospital
Mammography

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LIGHTING RELAY DIAGRAMS & SCHEDULES

EL603

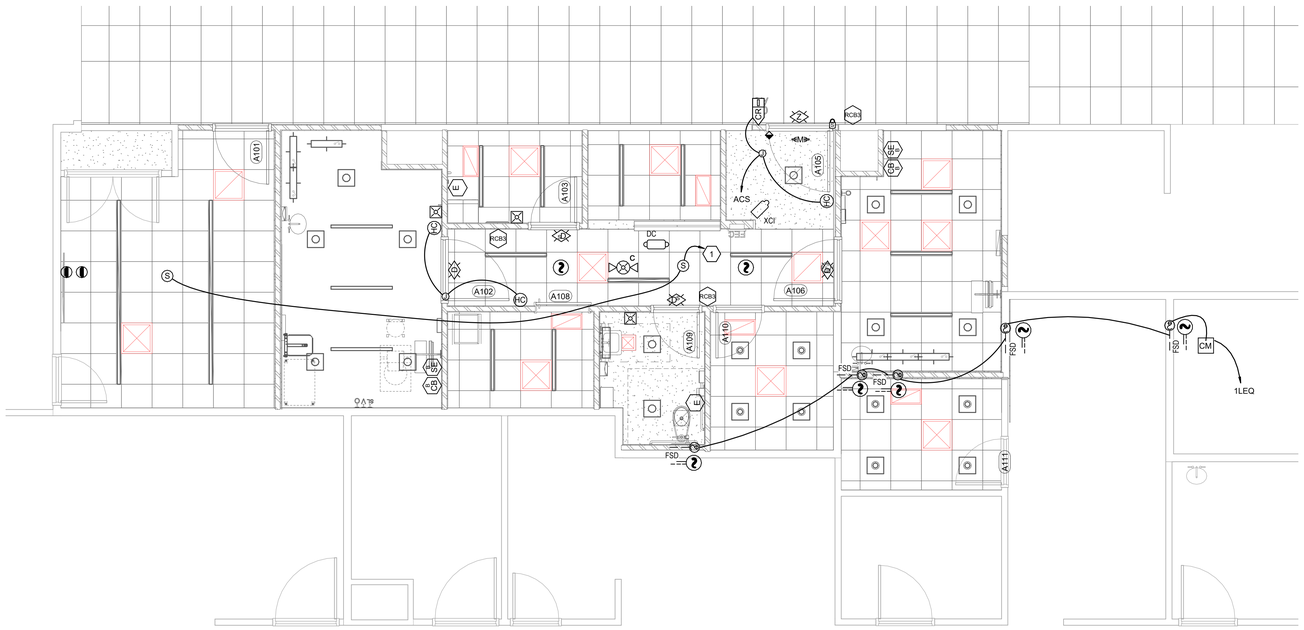
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GENERAL SHEET NOTES

SHEET KEYNOTES

1 CONNECT TO EXISTING IP PAGING SYSTEM IN CORRIDOR.



1 LEVEL 1 AUXILIARY PLAN
SCALE: 1/4" = 1'-0"

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LEVEL 1
AUXILIARY
PLAN

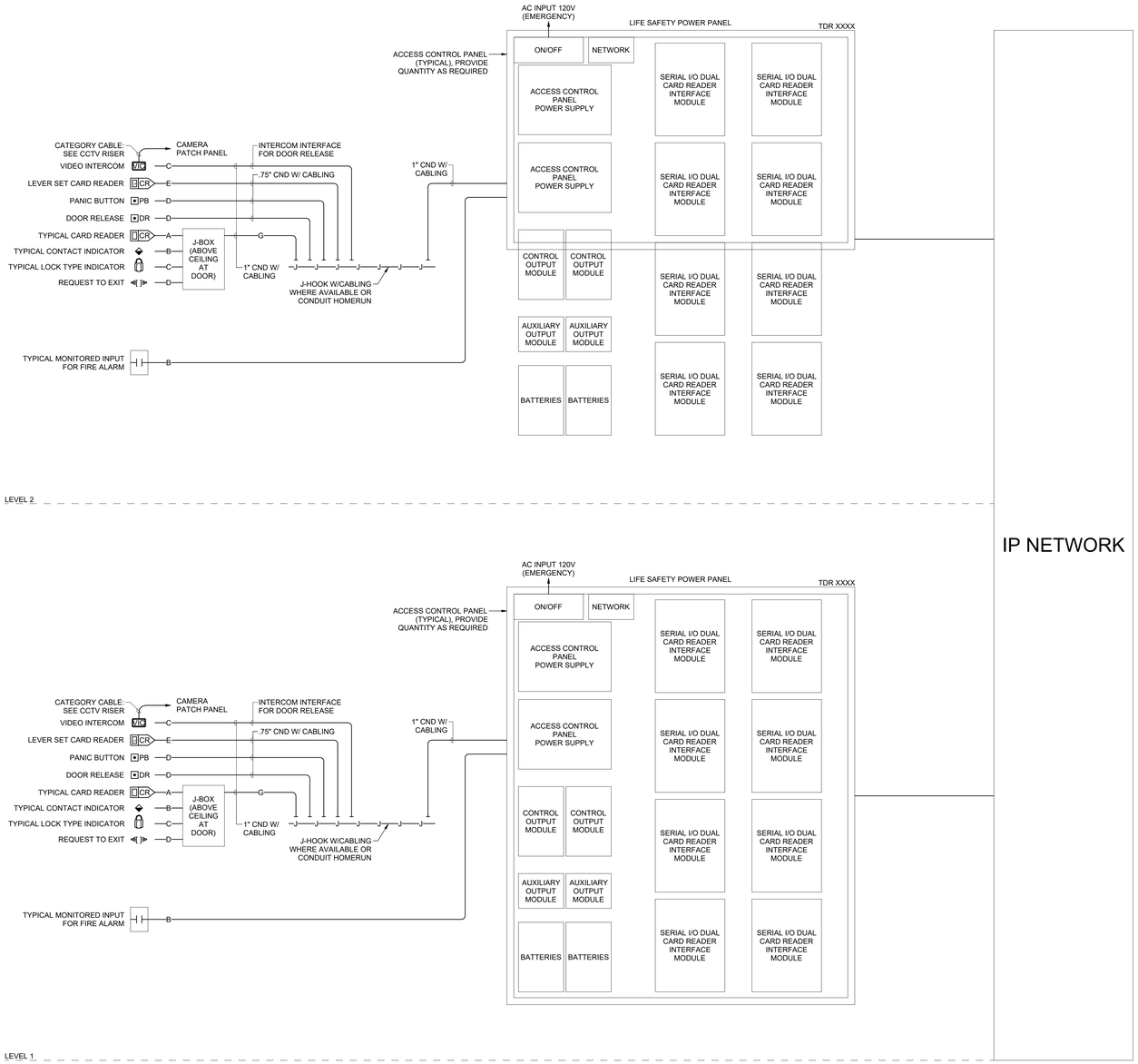
EY101

GENERAL DIVISION OF WORK

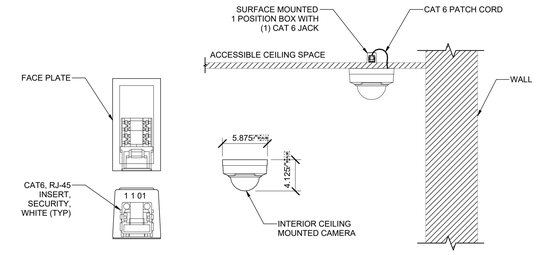
CARD READERS -	BY DIVISION 26/28
CONTACT INDICATORS @ DOOR -	BY DIVISION 28
CONTACT INDICATORS @ GARAGE DOOR -	BY DIVISION 28
ACCESS CONTROL SYSTEM -	BY DIVISION 26/28
DOOR POWER SUPPLIES @ DOOR -	BY DIVISION 8
DOOR POWER SUPPLIES @ CONTROL PANEL -	BY DIVISION 26/28
RACEWAYS -	BY DIVISION 26/28
CABLING -	BY DIVISION 26/28
ELECTRIFIED DOOR HARDWARE -	BY DIVISION 8
ADA OPERATORS -	BY DIVISION 8
REX (MOTION SENSORS) -	BY DIVISION 28
REX (IN DOOR HARDWARE) -	BY DIVISION 8

ACCESS CONTROL SYSTEM CONDUIT AND CABLING SCHEDULE

—A—	1" CND W/ (1) #22/6 TWSP (OSDP)	—G— COMPOSITE CABLE (MULTI)
—B—	0.75" CND W/ (1) #22/2 TWP	
—C—	0.75" CND W/ (2) #18/4 TWP	
—D—	0.75" CND W/ (2) #22/4 TWP	
—E—	0.75" CND W/ (2) #18/4 TWP OVERALL SHIELD (OSDP)	



1 ACCESS CONTROL RISER DIAGRAM - IHC1
SCALE: NTS



2 CEILING MOUNTED CAMERA MOUNTING DETAIL
SCALE: NTS

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ACCESS CONTROL RISER DIAGRAMS

EY650

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HOLOGIC, INC.

FINAL 'SELENIA DIMENSIONS' ROOM PLANS

INTERMOUNTAIN HEALTH LAYTON HOSPITAL
ROOM A106 / MAMMO 1

201 W LAYTON PARKWAY
LAYTON, UT

DRAWING LEGEND

SHEET	DESCRIPTION
1.0	COVER / TITLE
2.0	FINAL ROOM PLAN
2.1	STRUCTURAL PLAN
3.0	ELECTRICAL PLAN
3.1	ELECTRICAL DETAILS
3.2	ELECTRICAL NOTES
4.0	GENERAL NOTES
4.1	EQUIPMENT DETAILS

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LAYTON HOSPITAL
FINAL ROOM PLAN
LAYTON, UT

THESE DRAWINGS ARE FOR REVIEWING PURPOSES ONLY

DATE: 07-29-25
SCALE: 3/8"=1'-0"
DRAWN BY: TOZ
PURCHASE ORDER:

PROJECT NO: 25973F

SHEET NO: 1.0

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Hologic Equipment Drawings

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EQUIPMENT LEGEND

N/A = NOT AVAILABLE

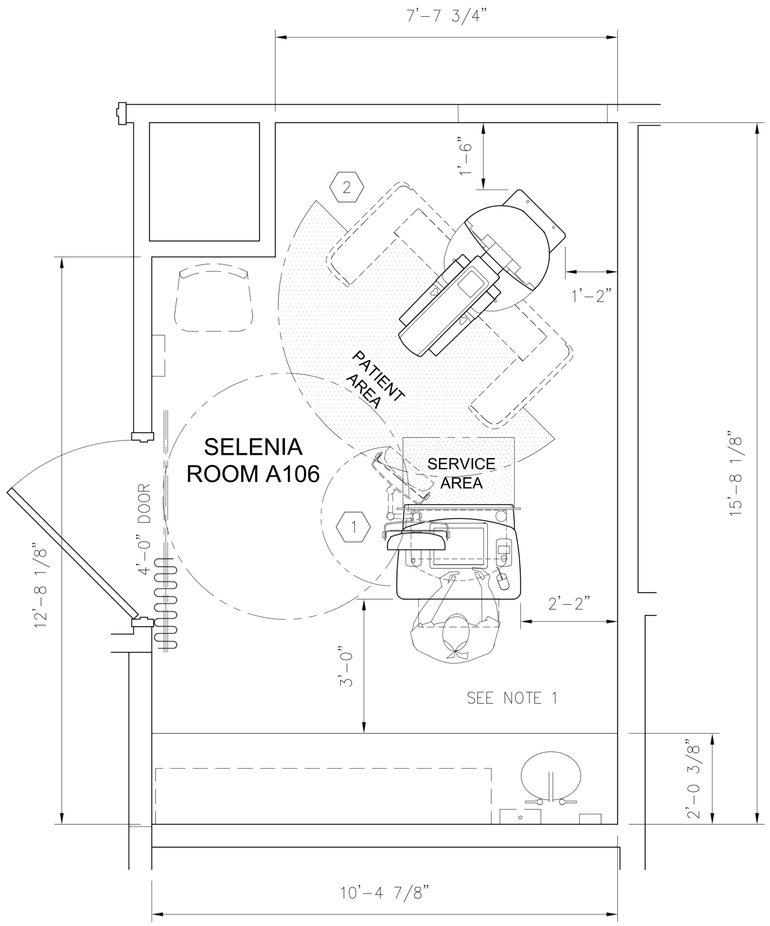
ITEM	DESCRIPTION	BTU/HR	WT/LBS	WIDTH	DEPTH	HEIGHT
1	HOLOGIC 'SELENIA DIMENSIONS' UNIVERSAL ACQUISITION WORKSTATION (WITH SHIELD)	4,740 TYPICAL	460 209kg	36.9"/ 53.4" 93.8cm	25.4"/ 48.4" 122cm	85.6" 217.5cm
2	HOLOGIC 'SELENIA DIMENSIONS' GANTRY WITH C-ARM	6,800 MAX.	882 400kg	26"/66.5" 66/173cm	51.6" 138cm	87.8" 223cm

NOTE 1: ALL RADIATION PROTECTION TO BE DESIGNED BY, OR APPROVED BY CUSTOMER'S LICENSED RADIATION PHYSICIST.
NOTE 2: EQUIPMENT INSTALLERS WILL USE EXISTING WIREWAYS WHEREVER POSSIBLE. HOSPITAL ENGINEERING DEPARTMENT TO PROVIDE HOLOGIC SITE PLANNING OFFICE WITH AS BUILT DRAWINGS, SHOWING WIREWAY LOCATIONS AND ROUTING ABOVE CEILING AND BELOW FLOOR.
NOTE 3: HOLOGIC STRONGLY RECOMMENDS REMOTE ACCESS VIA HOLOGIC CONNECT TO THE ACQUISITION WORKSTATION FOR REMOTE DIAGNOSTIC SUPPORT. CONSULT WITH HOLOGIC CONNECTIVITY SPECIALIST REGARDING REQUIREMENTS. RECOMMENDATION: SWITCH GIGABIT ETHERNET (1000 BASE-T).
NOTE 4: 'SELENIA DIMENSIONS' GANTRY POWER IS TO BE PERMANENTLY WIRED.
NOTE 5: IN ACCORDANCE WITH IEC-60601-1, A MINIMUM CLEARANCE OF 50CM (20") MUST BE MAINTAINED BETWEEN THE TUBE HEAD AT ANY POSITION OF ROTATION, AND ANY STATIONARY OBJECT (EXCLUDING FLOOR). IF THIS REQUIREMENT IS NOT MET, AUTO C-ARM ROTATION MUST BE DISABLED AT THE TIME OF INSTALLATION.

SITE CONDITIONS FOR SELENIA DIMENSIONS SYSTEM

MINIMUM RECOMMENDED ROOM SIZE	9'-0" X 12'-0"
MINIMUM CEILING HEIGHT	8'-0" A.F.F.
RECOMMENDED CEILING HEIGHT	9'-0" A.F.F.
OPERATING TEMPERATURE RANGE (MAINTAIN TEMPERATURE RANGE 24 HRS./DAY, 7 DAYS/WK.)	68 - 86° F (20-30° C) 77° F - ROOM TEMP FOR OPTIMAL PERFORMANCE. MAXIMUM ALLOWABLE TEMPERATURE CHANGE RATE OF 10° C PER HOUR.
OPERATING HUMIDITY RANGE	20 - 80% , NON CONDENSING.
STORAGE TEMPERATURE (SYSTEM POWERED DOWN OR IN STORAGE)	50 - 104° F - GANTRY, EXCLUDING DETECTOR ASSY. 59 - 86° F - DETECTOR ASSEMBLY 14 - 104° F - ACQUISITION WORKSTATION
ELECTROMAGNETIC INTERFERENCE	REFER TO SITE PLANNING GUIDE FOR SPECIFICATIONS
EQUIPMENT ENTRY REQUIREMENTS	
GANTRY SHIPPING CRATE	38" x 66" x 88" (97 cm x 168 cm x 224 cm)
ACQUISITION WORKSTATION SHIPPING CRATE	N/A
MINIMUM ENTRANCE	2'-6" x 7'-0" (76 cm x 213 cm)
RECOMMENDED ENTRANCE	3'-0" x 7'-0" (91 cm x 213 cm)

NOTE: THE EQUIPMENT LAYOUT, ROOM DIMENSIONS, ELECTRICAL AND MECHANICAL DETAILS, ARE BASED ON THE BEST INFORMATION AVAILABLE FROM THE SITE, IN ADDITION TO THE CUSTOMER'S KNOWN REQUIREMENTS. ARCHITECTURAL OR ELECTRICAL CHANGES, INCLUDING RELOCATION OF EQUIPMENT ILLUSTRATED IN THIS DRAWING, ARE ALLOWED ONLY WITH NOTIFICATION IN WRITING, AND REVIEW BY HOLOGIC SERVICE DEPT.. HOLOGIC RESERVES THE RIGHT TO MAKE CHANGES BASED ON CUSTOMER'S WISHES, CONSTRUCTION PROBLEMS, ETC.



'SELENIA DIMENSIONS' EQUIPMENT PLAN

OPTION 2 SELECTED

PRIOR TO INSTALLATION, THIS ROOM MUST BE TESTED BY HOLOGIC FOR POTENTIAL ELECTROMAGNETIC INTERFERENCE

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FINAL ROOM PLAN
LAYTON, UT

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DRAWN BY: TOZ
PURCHASE ORDER:

PROJECT NO: 25973F

SHEET NO: 2.0

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Hologic Equipment Drawings

EQ102

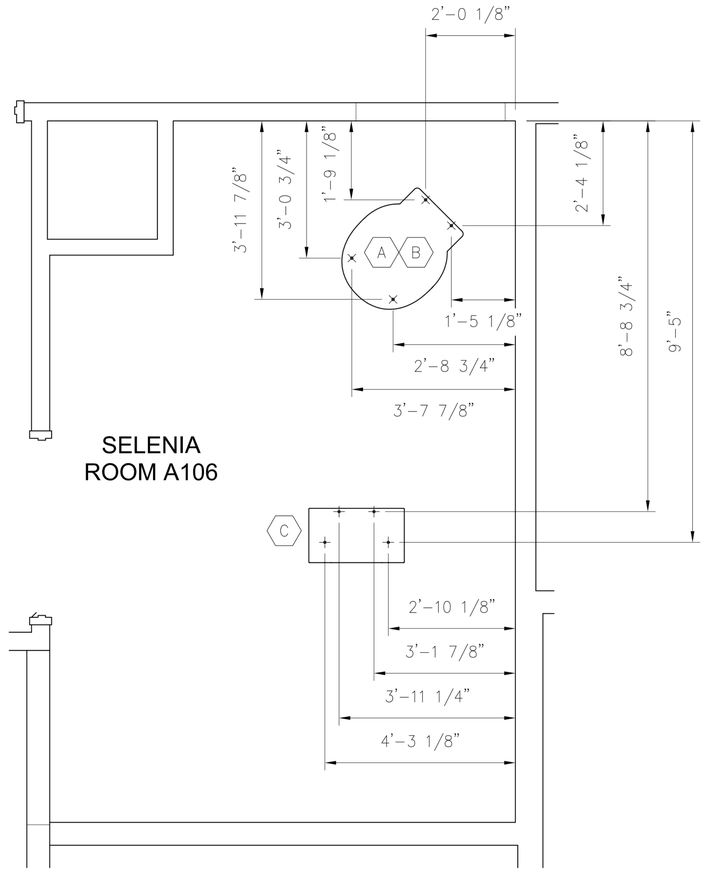
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STRUCTURAL LEGEND

ITEM	DESCRIPTION
A	FOOT PRINT OF 'SELENIA DIMENSIONS' GANTRY BASE. GANTRY BASE SUPPLIED AND INSTALLED BY HOLOGIC, INC. (4X) 11/16" DIAMETER MOUNTING HOLES. GANTRY BASE PLATE THICKNESS: 1" MINIMUM GANTRY FLOOR LOADING: 210 LB/FT ^{2}
B	FLOOR SURFACE TO BE LEVELED TO WITHIN .+OR– 1/16" OVER LENGTH OF 'SELENIA DIMENSIONS' BASE PLATE. * CUSTOMER / CONTRACTOR RESPONSIBILITY
C	FOOT PRINT OF ACQUISITION WORKSTATION BASE. CONSOLE BASE SUPPLIED AND INSTALLED BY HOLOGIC, INC. (4X) 5/8" DIAMETER MOUNTING HOLES. CONSOLE CHASSIS BASE THICKNESS: .079" / 2MM GAUGE. MINIMUM CONSOLE FLOOR LOADING: 210 LB/FT ^{2}
	ANCHORAGE, AND DRILLING OF HOLES FOR EQUIPMENT ANCHORAGE IS THE RESPONSIBILITY OF THE CUSTOMER / CONTRACTOR. COORDINATE WITH LOCAL HOLOGIC INSTALLER.
	SEISMIC CALCULATION DOCUMENTS ARE AVAILABLE ON REQUEST FOR ADDITIONAL FLOOR LOADING INFORMATION. CONTACT REGIONAL PROJECT MANAGER, SITE PLANNING DEPARTMENT, SALES REPRESENTATIVE, OR LOCAL FIELD ENGINEER TO OBTAIN THIS INFORMATION.

NOTE:
BOLT HOLE LOCATIONS ARE APPROXIMATE, AND REPRESENT THE RECOMMENDED LOCATIONS FOR EQUIPMENT PLACEMENT. CUSTOMER IS RESPONSIBLE FOR ENSURING FLOOR CONDITIONS DO NOT PREVENT EQUIPMENT ANCHORAGE AS SHOWN. ACTUAL LOCATION MAY CHANGE DUE TO SITE CONDITIONS, CUSTOMER PREFERENCES, OR OTHER FACTORS.

IT IS THE RESPONSIBILITY OF THE CUSTOMER, OR THEIR AGENTS TO VERIFY THAT THE FLOOR IS CAPABLE OF SUPPORTING THE EQUIPMENT FLOOR LOADING, AND ANCHORAGE REQUIREMENTS. ADDITIONAL BLOCKING OR BRACING MAY BE REQUIRED WHEN WOOD FLOORS ARE PRESENT. HOLOGIC IS NOT LIABLE FOR ANY DAMAGE OR INJURY CAUSED BY INSTALLATION IN ANY LOCATION WITH INADEQUATE FLOOR LOADING CONDITIONS.



STRUCTURAL PLAN

Hologic, Inc., 36–37 Apple Ridge Road Danbury, CT 06810
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FINAL ROOM PLAN
LAYTON, UT

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Hologic Equipment Drawings

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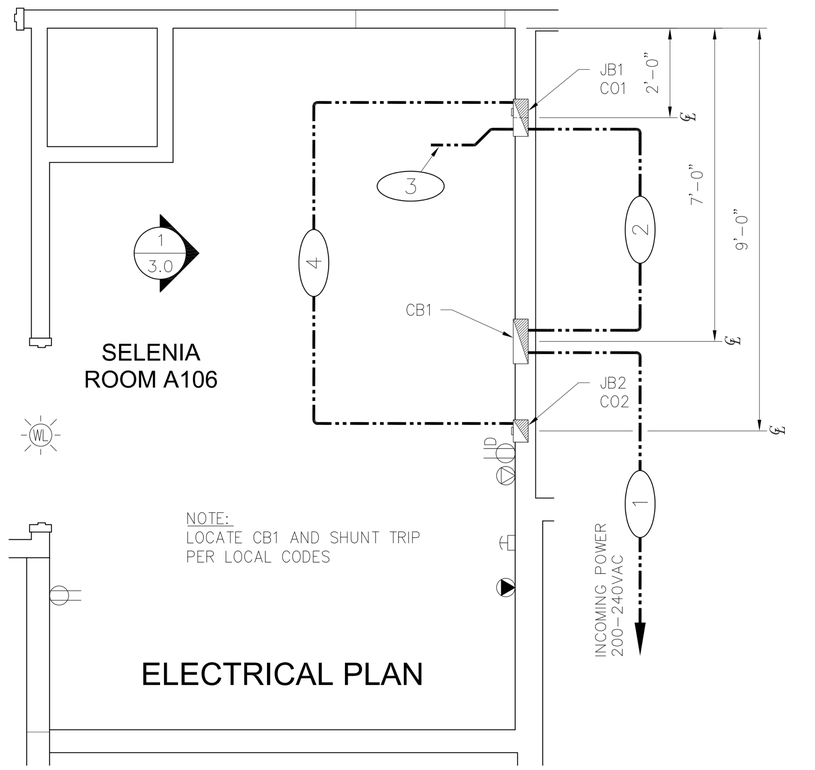
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ELECTRICAL LEGEND

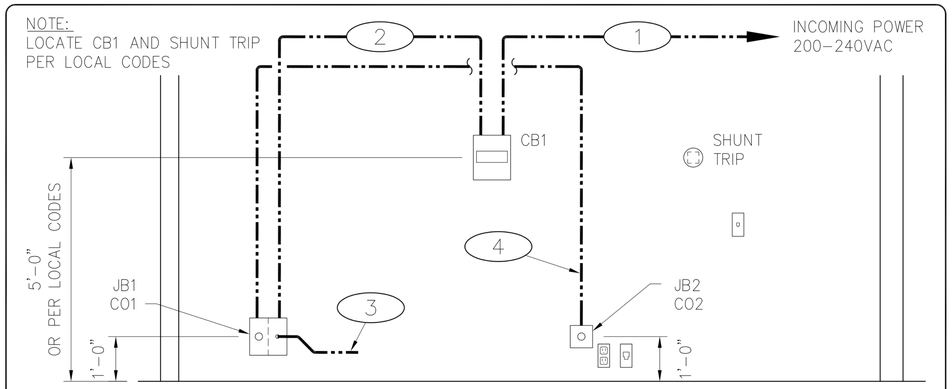
SUPPLIED AND INSTALLED BY HOSPITAL'S ELECTRICAL CONTRACTOR

ITEM	DESCRIPTION
CB1	DEDICATED CIRCUIT BREAKER/DISCONNECT WITH REMOTE EMERGENCY OFF SHUNT TRIP. (SHUNT TRIP USED ONLY WHERE REQUIRED BY LOCAL CODE OR CUSTOMER) SUPPLY 200–240 VAC, 50–60 HZ, SINGLE PHASE, 40 AMP, HACR OR UL 489 LISTED CIRCUIT BREAKER / DISCONNECT. PROVIDE (2) CONDUCTOR #8 AWG WIRES, AND (1) #8 AWG GROUND WIRE FROM 'CB1' TO 'JB1' WITH 36" NON–TERMINATED PIGTAILS. PROVIDE CONDUIT TO 'JB1, SIZED PER CODE. MAXIMUM LINE IMPEDANCE NOT TO EXCEED: 0.20 OHMS FOR 208, 220, 230, 240VAC, 0.16 OHMS FOR 200VAC (IEC 601–2–7, TABLE 101). SEE ELECTRICAL SPECIFICATIONS SHEET 3.2. LOCATE PER LOCAL CODE. GANTRY TO BE PERMANENTLY WIRED. THE CONNECTION OF CUSTOMER SUPPLIED POWER WIRES TO THE GANTRY IS TO BE PERFORMED BY CUSTOMER'S LICENSED ELECTRICIAN.
JB1	10" x 10" x 4" FLUSH MTD. ELECTRICAL WALL BOX WITH REMOVABLE COVER, AND DIVIDER. 12" FLOOR TO CENTER. PROVIDE 2" DIA. CONDUIT TO 'JB2'. PROVIDE 2" DIAMETER GROMMETED CUT–OUT IN COVER. PROVIDE 3/4" DIA. SEALTITE OR EQUAL FLEXIBLE METALLIC CONDUIT TO GANTRY.
JB2	6" x 6" x 4" FLUSH MTD. ELECTRICAL WALL BOX WITH REMOVABLE COVER, 1'–0" FLOOR TO CENTER. PROVIDE 2" DIA. GROMMETED CUT–OUT IN COVER.
CO1	2" DIA. GROMMETED CUT–OUT IN COVER OF 'JB1'.
CO2	2" DIA. GROMMETED CUT–OUT IN COVER OF 'JB2'.
⏚ID	DEDICATED 120V, 20 AMP HOSPITAL GRADE DUPLEX OUTLET. (ACQUISITION WORKSTATION).
⏚	120V, 20 AMP DUPLEX OUTLET. (FOR SERVICE/TEST EQUIPMENT).
◇	WALL OUTLET BOX FOR CAT 5 / CAT 6 CABLE. (HOSPITAL NETWORK CONNECTION). RECOMMEND HOLOGIC CONNECT FOR REMOTE DIAGNOSTIC SERVICE, SWITCH GIGABIT ETHERNET (100/1000 BASE–T).
◀	DEDICATED OUTSIDE PHONE LINE (OPTIONAL / RECOMMENDED). CUSTOMER TO DETERMINE REQUIREMENT, LOCATION. SUGGESTED LOCATION SHOWN.
⊟	REMOTE EMERGENCY OFF SHUNT TRIP SWITCH, LOCATE PER CODE. SEE DETAIL ON SHEET 3.1. (OPTIONAL / RECOMMENDED – USED ONLY WHERE REQUIRED BY LOCAL CODE OR CUSTOMER PREFERENCE) SUGGESTED LOCATION SHOWN.
(WL)	WARNING LIGHTS. SEE DETAIL SHEET 3.1. (OPTIONAL – USED ONLY WHERE REQUIRED BY LOCAL CODE OR CUSTOMER PREFERENCE). CONNECTION OF SWITCH LEG TO GANTRY CONTACTS PERFORMED BY CUST. ELECTRICIAN.
(1)	PROVIDE CONDUIT AS REQUIRED TO CIRCUIT BREAKER 'CB1' FROM INCOMING POWER SOURCE. SIZE PER CODE.
(2)	PROVIDE CONDUIT FROM 'CB1' TO 'JB1'. SIZE PER CODE.
(3)	PROVIDE 3/4" DIAMETER FLEXIBLE METALLIC CONDUIT (SEALTITE OR EQUAL) FROM COVER OF 'JB1' TO BACK OF GANTRY. LENGTH SHOULD ALLOW FOR A 12 – 18" SERVICE LOOP.
(4)	PROVIDE 2" CONDUIT FROM 'JB1' TO 'JB2'. MAXIMUM LENGTH 32'.

NOTE: HOLOGIC INSTALLERS WILL UTILIZE EXISTING WIREWAYS, CONDUITS, POWER LOCATIONS, ETC.., WHENEVER FEASIBLE. RECOMMEND ELECTRICAL CONTRACTOR COORDINATE WITH THE LOCAL HOLOGIC INSTALLER AND/OR INSTALLATION COORDINATOR, AND REFER TO NATIONAL AND LOCAL CODES.



ELECTRICAL PLAN



DETAIL: EQUIPMENT WALL BOXES AND CONDUITS (ELEVATIONS)

SCALE: 3/8" = 1'–0"

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FINAL ROOM PLAN
LAYTON, UT

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PROJECT NO: 25973F

SHEET NO: 3.0

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Layton Hospital
Mammography

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NJRA Project # 24236.00
Construction Documents Aug 1, 2025

Hologic Equipment Drawings

EQ104

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ELECTRICAL USE REQUIREMENTS

REQUIREMENT	GANTRY	ACQUISITION WORKSTATION
INPUT LINE VOLTAGE	200, 208, 220, 230, 240VAC, 50–60 HZ, SINGLE PHASE	100, 120 VAC/220, 230, 240VAC
INPUT CURRENT	40 AMP, HACR OR UL 489 RATED CIRCUIT BREAKER /	3.5 A/2.0A
FREQUENCY	DISCONNECT.	50–60 HZ, SINGLE PHASE
NUMBER OF PHASES	THE SELENIA DIMENSIONS GANTRY TO BE PERMANENTLY WIRED ONLY BY CUSTOMER'S LICENSED ELECTRICIAN.	HOSPITAL GRADE RECEPTACLE REQUIRED

PHYSICAL AND ENVIRONMENTAL REQUIREMENTS

OPERATING TEMPERATURE RANGE (MAINTAIN TEMPERATURE RANGE 24 HRS./DAY, 7 DAYS/WK.)	68 – 86° F (20–30° C) / 77° F – ROOM TEMP FOR OPTIMAL PERFORMANCE MAXIMUM ALLOWABLE TEMPERATURE CHANGE RATE OF 10° C PER HOUR.	
OPERATING HUMIDITY RANGE	20 – 80% , NON CONDENSING.	
STORAGE TEMPERATURE (SYSTEM POWERED DOWN, OR IN STORAGE)	50 – 104° F (10 – 40° C) – GANTRY, EXCLUDING DETECTOR ASSEMBLY 59 – 86° F (15 – 30° C) – DETECTOR ASSEMBLY 14 – 104° F (–10 – 40° C) – ACQUISITION WORKSTATION	
ELECTROMAGNETIC INTERFERENCE	REFER TO SITE PLANNING GUIDE FOR SPECIFICATIONS	
MAXIMUM SEPARATION FROM IMAGE RECEPTOR	N/A	12.2M (40')
OVERALL DIMENSIONS	26"W x 35"D x 88"H * C–ARM SPANS 68"W * (66cm x 89cm x 224cm)	53.4"W x 48.4"D x 80.3"H (135.6cm x 122cm x 204cm)

NETWORKING NOTES:

SUPPLYING AND INSTALLING NETWORK CONNECTIONS BETWEEN DIAGNOSTIC IMAGING EQUIPMENT AND OTHER NODE CONNECTIONS SHALL BE THE CUSTOMER'S RESPONSIBILITY. CUSTOMER MUST SPECIFY, SUPPLY AND INSTALL PROPER RECEPTACLES, AUI TRANSCEIVERS, CABLING, REPEATERS, ROUTERS, MODEMS, ETC. WHICH ARE CONSISTENT WITH THE SITE NEEDS AND SOUND NETWORK IMPLEMENTATION PRACTICES. ALSO INCLUDED, BUT NOT LIMITED TO, THE CUSTOMER'S RESPONSIBILITY IS THE PURCHASE AND INSTALLATION OF CONDUITS, RACEWAYS FOR CONTAINMENT AND ROUTING OF NETWORKING CABLES, AS DETERMINED BY SITE CONDITIONS, OR REQUIRED BY PREVAILING CODES.

MAMMOGRAPHY SYSTEM SPECIFICATIONS:

SYSTEM

INPUT LINE	200–240VAC, (±10%), 65 AMP MAX. FOR 5 SECOND DURATION AT 208VAC, 50–60HZ

GENERATOR

TYPE	CONSTANT POTENTIAL HIGH FREQUENCY, INVERTER TYPE
RATING	7.0 kW, MAX. (ISOWATT), 200 mA AT 35 kV
kV RANGE	20 kV TO 49 kV IN 1 kV INCREMENTS
mAs RANGE	3.0 mAs TO 500 mAs
mA RANGE	10 mA TO 200 mA, LARGE FOCAL SPOT 10 mA TO 50 mA, SMALL FOCAL SPOT

C-ARM ASSEMBLY

VERTICAL TRAVEL	71 CM TO 142 CM (27.8" TO 56") MOTORIZED
ROTATION	+195° TO –155° CONVENTIONAL MAMMOGRAPHY +180° TO –140° BIOPSY, TOMOSYNTHESIS
SID	70 CM
PATIENT FACE SHIELD	REMOVABLE, RETRACTABLE

RADIATION SHIELD

H x W	203 CM x 86 CM (80" x 34")
LEAD EQUIVALENCE	0.5 MM
MATERIAL	LEADED ACRYLIC

UL LISTING NOTE

THE 'SELENIA DIMENSIONS' SYSTEM IS UL APPROVED 'AS A SYSTEM'. THE GANTRY AND CONSOLE ARE NOT CONSIDERED TO BE INDEPENDANT COMPONENTS (BY UL). A SINGLE UL CERTIFICATION LABEL HAS BEEN PROVIDED BY UL, AND IS AFFIXED TO THE AWS CONSOLE.

SUPPLEMENTAL NOTES

ALL ITEMS LISTED BELOW ARE TO BE PROVIDED / DESIGNED BY THE ARCHITECT.
THE ARCHITECT SHALL CONSULT WITH THE CUSTOMER FOR ANY ADDITIONAL INFORMATION.

1. RECOMMEND INCANDESCENT OR LED, AS WELL AS FLUORESCENT LIGHT FIXTURES. THE INCANDESCENT OR LED FIXTURES SHOULD BE DISTRIBUTED AROUND THE ROOM. HOLOGIC RECOMMENDS AGAINST THE USE OF DIMMER CONTROLS, AS THEY CAN CAUSE ISSUES WITH EMI INTERFERENCE.
2. IT IS RECOMMENDED THAT ALL DIAGNOSTIC ROOMS SHOULD HAVE TILE OR VINYL FLOORING.
3. A TILE DROP CEILING IS RECOMMENDED FOR ANY DIAGNOSTIC ROOMS.
4. ALL CABINETRY WORK IS TO BE DESIGNED AND PROVIDED BY THE ARCHITECT. RECOMMEND ALL COUNTERS HAVE ROUNDED CORNERS.

GROUNDING NOTES

* FIELD VERIFY ACTUAL APPLICATION WITH LOCAL LICENCED ELECTRICIAN.

THE SOURCE GROUND CONNECTION FOR THIS SYSTEM WILL BE THE GROUND SIDE OF THE NEUTRAL TO GROUND BONDING POINT FOR THE POWER DELIVERED TO THIS SYSTEM. THE SOURCE WILL BE EITHER THE MAIN SERVICE ENTRANCE PANEL OR A SEPARATELY DERIVED SOURCE, SUCH AS AN ISOLATION TRANSFORMER. SYSTEM LOCALIZED COLD WATER PIPING OR BUILDING STEEL ARE NOT ACCEPTABLE GROUND SOURCE CONNECTION POINTS. THE SOURCE GROUND CONDUCTOR SHALL BE OF THE SAME SIZE AND TYPE AS THE PHASE CONDUCTORS SUPPLYING THE SYSTEM. REFER TO LOCAL AND NATIONAL ELECTRICAL CODES FOR GROUNDING REQUIREMENTS.

WIRING NOTES

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS, WIRE, WIREWAYS, DISTRIBUTION TRANSFORMERS, JUNCTION BOXES, ENCLOSURES, CIRCUIT BREAKERS, ETC. ALL WIRES TO BE THHN TYPE, STRANDED COPPER UNLESS OTHERWISE SPECIFIED. THE ELECTRICAL CONTRACTOR SHALL SUPPLY LUG PAIRS OF #8 OR GREATER FOR ALL CABLES LISTED WITHIN THE SCOPE OF THIS WORK. CONDUIT AND DUCT RUNS ARE SHOWN SCHEMATICALLY. ACTUAL BUILDING CONDITIONS WILL DETERMINE CONDUIT AND DUCT ROUTES. CONDUIT TURNS TO HAVE LARGE SWEEPING BENDS WITH MINIMUM RADIUS AS SPECIFIED IN NEC ART. 346–10. IF LARGE BENDS IN CONDUIT ARE NOT POSSIBLE, USE SERVICE ENTRANCE ELBOW CONNECTORS TO AVOID DAMAGE TO CABLE. ELECTRICAL CONTRACTOR TO PROVIDE 10'–0" TAILS FOR ALL WIRES UNLESS OTHERWISE SPECIFIED AND IDENTIFY BOTH ENDS OF ALL WIRES. ELECTRICAL CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THAT POINT TO POINT CONDUIT RUNS ARE AS SHORT AS FIELD CONDITIONS ALLOW. LEAVE PULL WIRE IN EMPTY CONDUITS. WORK SHALL COMPLY WITH REGULATORY AGENCIES OF JURISDICTION ALL SUCH AGENCIES SUPERSEDE THESE DRAWINGS AND MUST BE ADHERED TO. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SCRUTINIZING THESE DRAWINGS AND SHALL MAKE CORRECTIONS ACCORDING TO PREVAILING CODES. NOTE: CONDUITS MAY BE INCREASED IN SIZE BUT NEVER DECREASED WITHOUT CONSENT FROM THE EQUIPMENT REPRESENTATIVES. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE PATIENT GROUNDING NETWORK PER NATIONAL ELECTRIC CODE ARTICLE 517 AND NFPA 70. ALL CONDUIT SHALL BE RIGID TYPE UNLESS SPECIFIED OTHERWISE IN THIS DRAWING SET. ALL CONDUIT RUNS EXPOSED TO WET ENVIRONMENTS SHALL BE MADE LIQUID TIGHT. (e.g. UNDERGROUND, ETC.) ALL FLUSH MOUNTED ELECTRICAL BOXES AND WIRE TROUGHS SHALL HAVE OVERSIZED COVER PLATES. ALL FLUSH MOUNTED ELECTRICAL BOXES AND WIRE TROUGHS EXPOSED TO A WET ENVIRONMENT SHALL BE MADE LIQUID TIGHT. (e.g. IN FLOOR, ETC.) THE ELECTRICAL CONTRACTOR SHALL INSTALL, PROVIDE POWER TO AND CONNECT THE FOLLOWING IF REQUIRED: THE "X–RAY IN USE" WARNING SIGN; THE 120VAC, 15AMP RECEPTACLE; THE DOOR INTERLOCK SWITCH; THE EMERGENCY OFF SWITCH; AND THE 120VAC, DUPLEX OUTLETS FOR SERVICE AND HOUSEKEEPING.

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LAYTON HOSPITAL
FINAL ROOM PLAN
LAYTON, UT

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PURCHASE ORDER:

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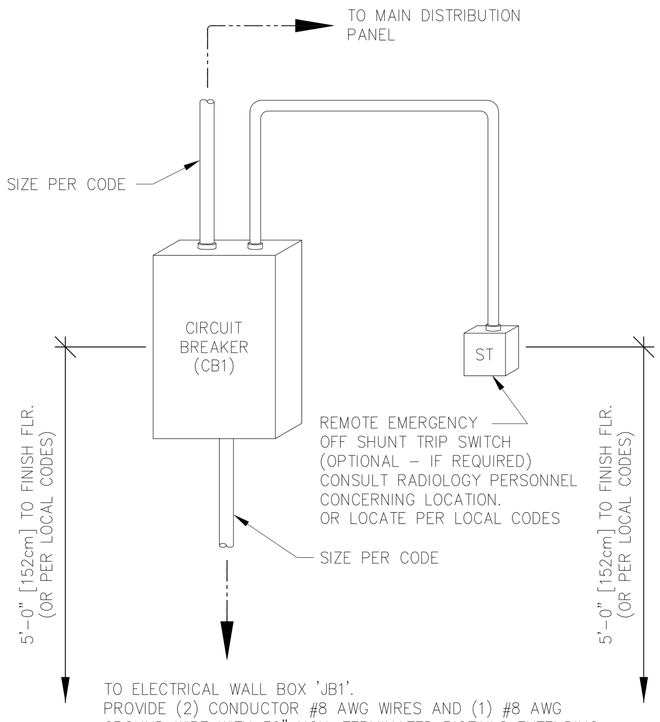
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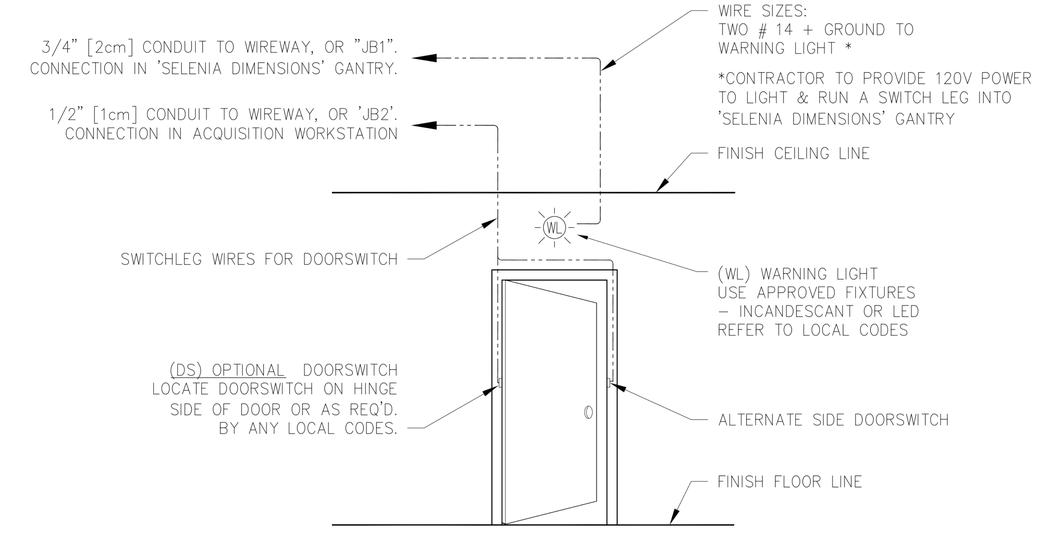
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TYPICAL CIRCUIT BREAKER DIAGRAM

CUSTOMER MAY HAVE TO STEP–UP EXISTING INCOMING POWER WITH TRANSFORMER TO MEET HOLOGIC'S POWER SPECIFICATIONS. MUST MEET ALL ELECTRICAL SPECIFICATIONS PER SHEET 3.0, 3.2. PLEASE VALIDATE PRIOR TO INSTALLATION, AND/OR CONSULT WITH LOCAL HOLOGIC FIELD ENGINEER OR INSTALLATION COORDINATOR PRIOR TO INSTALLATION.

IF STEP–UP TRANSFORMER IS USED FOR THIS APPLICATION TRANSFORMER MUST HAVE LESS THAN .15 OHMS OF IMPEDANCE.



TYPICAL DOOR SWITCH / WARNING LIGHT DETAIL

(OPTIONAL - ONLY USED WHERE REQUIRED BY LOCAL CODE OR CUSTOMER PREFERENCE)

DESCRIPTION:
WARNING LIGHT = 4" [10cm] STANDARD BOX WITH "X–RAY ON" OR RED WARNING LAMP OVER DOOR. USE APPROVED FIXTURES – INCANDESCENT OR LED. REFER TO LOCAL CODES.
(SUPPLIED, INSTALLED, AND TERMINATED BY HOSPITAL'S ELECTRICAL CONTRACTOR.)

HOSPITAL'S ELECTRICAL CONTRACTOR TO PROVIDE POWER TO THE LAMP, AND A SWITCH LEG TO THE 'SELENIA DIMENSIONS' GANTRY FOR CONTACT CLOSURE ONLY. AN XRAY EXPOSURE WILL CLOSE THE CONTACT, ENERGIZING THE LIGHT.
NOTE: CUSTOMER MAY USE A WALL SWITCH FOR THIS PURPOSE IF DESIRED.
(TYPICALLY USED ONLY WHERE REQUIRED BY CODE, OR CUSTOMER PREFERENCE)

THE CONTACT RELAYS ARE RATED AT: 250VAC, 10 AMP NORMALLY OPEN, AND 10 AMP, 30VDC NORMALLY OPEN.

OPTIONAL DOORSWITCH = MICROSWITCH IN DOOR JAMB TO DISABLE EXPOSURE IF THE DOOR IS OPEN. CONTRACTOR TO PROVIDE A SWITCH LEG WITH 1/4" MALE PHONE PLUG TO THE AWS CONSOLE FOR CONTACT CLOSURE.

THE CONNECTION OF CUSTOMER SUPPLIED WIRES TO THE GANTRY AND AWS CONSOLE CONTACTS IS TO BE PERFORMED BY THE CUSTOMER'S LICENSED ELECTRICIAN.

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Hologic Equipment Drawings

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GENERAL NOTES

1. THE DRAWINGS AND SPECIFICATIONS CONTAINED IN THIS PACKAGE ARE DESIGNED TO CONFORM TO STRUCTURAL FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. HOWEVER, SINCE THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATIONS, THE DRAWINGS ARE NOT TO BE USED AS CONSTRUCTION DOCUMENTS. CONSTRUCTION PLANS ARE THE RESPONSIBILITY OF THE CUSTOMER'S ARCHITECT OR ENGINEER, WHO SHALL SEE THAT ALL APPLICABLE CODES AND REGULATIONS ARE COMPLIED WITH. ANY CHANGES MUST BE BROUGHT TO THE ATTENTION OF THE HOLOGIC PLANNING OFFICE OR THE OFFICE OF THE MANUFACTURER'S REPRESENTATIVE SUPERVISING THE PRE-INSTALLATION WORK SITE. ALL FINAL DRAWINGS MUST BE SUBMITTED TO HOLOGIC FOR REVIEW.

2. ALL DIMENSIONS ARE GIVEN FROM FINISHED SURFACES. WHERE DIMENSIONS ARE NOT GIVEN, FIELD MEASUREMENTS SHOULD BE TAKEN. ALL EXISTING CONDITIONS ARE TO BE VERIFIED BY THE CUSTOMER'S CONTRACTOR, AND ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE HOLOGIC PLANNING OFFICE.

3. EQUIPMENT PURCHASER SHALL, AT HIS EXPENSE, PROVIDE THE NECESSARY LABOR AND MATERIAL FOR ANY PLUMBING, CARPENTRY, STRUCTURAL AND ELECTRICAL WORK SUCH AS REINFORCEMENT, CONDUITS, WIREWAYS, SWITCHES, ETC., WHICH MAY BE REQUIRED FOR THE INSTALLATION OF X-RAY ROOM EQUIPMENT. HOLOGIC ASSUMES NO RESPONSIBILITY FOR ANY CONSTRUCTION COSTS WHETHER OR NOT RELATED TO THE INSTALLATION OF OUR EQUIPMENT NO WORK MAY BE PERFORMED OR MATERIALS FURNISHED AT OUR EXPENSE, UNLESS AUTHORIZED BY A SIGNED, FORMAL HOLOGIC PURCHASE ORDER

4. THE CUSTOMER, AT HIS EXPENSE, SHALL EMPLOY A REGISTERED PHYSICIST TO SPECIFY RADIATION PROTECTION.

5. THE CUSTOMER'S ARCHITECT SHALL VERIFY THAT ALL DOOR AND PASSAGE SIZES ARE ADEQUATE FOR DELIVERY OF EQUIPMENT FROM EXTERIOR, INTO THE ROOM. IF PROFESSIONAL RIGGING SERVICES ARE REQUIRED, THESE SHALL BE PROVIDED AT THE CUSTOMER'S EXPENSE.

6. ALL NEW FINISHED FLOOR SURFACES SHOULD BE LEVEL. THE FLOOR AREA UNDER THE EQUIPMENT BASES, EXTENDING 3'-0" IN ALL DIRECTIONS AROUND EACH BASE, MUST BE LEVELLED, USING A CARPENTER'S LEVEL OF APPROPRIATE LENGTH, TO WITHIN 1/16".

7. THE CUSTOMER'S CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR CONSTRUCTION.

8. THE DELIVERY AND INSTALLATION OF RADIOLOGY EQUIPMENT, SHALL NOT COMMENCE UNTIL HOLOGIC HAS RECEIVED NOTIFICATION BY THE CUSTOMER OR HIS ARCHITECT, THAT THE CONSTRUCTION PHASE HAS BEEN COMPLETED AND THE ENVIRONMENT IS CLEAN AND DUST FREE.

9. ALL BUILDING UTILITIES SERVICING THE SITE SHALL BE OPERATIONAL.

10. THE CUSTOMER AND A HOLOGIC REPRESENTATIVE SHALL INSPECT AND ACCEPT THE ROOM BEFORE WORK BEGINS ON THE INSTALLATION OF EQUIPMENT. IF ROOM PREPARATION IS INCOMPLETE OR INCORRECT, THE CUSTOMER'S CONTRACTOR IS RESPONSIBLE FOR THE COST OF CORRECTING ANY PROBLEMS.

11. AS THIS DRAWING CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION, THE CUSTOMER, IN ACCEPTING THIS DRAWING, AGREES NOT TO REPRODUCE, OR DISTRIBUTE IT TO OTHERS, OR TO USE THE INFORMATION CONTAINED THEREIN, IN ANY MANNER DETRIMENTAL TO HOLOGIC SYSTEMS DIVISION.

ARCHITECTURAL NOTES

1. THIS SET OF DRAWINGS IS FOR THE PURPOSE OF A LAYOUT PLAN ONLY – NOT FOR CONSTRUCTION. THESE DRAWINGS ARE FOR THE BENEFIT OF PURCHASER'S ARCHITECT OF CHOICE. THE ARCHITECT AND BUILDING CONTRACTORS SHALL CONVERT THIS LAYOUT INTO WORKING AND CONSTRUCTION DRAWINGS OBSERVING ALL PREVAILING CODES. THESE DRAWINGS ARE INTENDED TO PROVIDE THE CONSTRUCTION PARTICIPANTS WITH SPECIFICATION AND CONCEPTUAL INFORMATION ONLY.
EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. THESE PLANS HAVE BEEN SCALED FROM PRINTS OR ARCHITECTURAL DRAWINGS BY OTHERS, OR FROM SKETCHES RECEIVED FROM FIELD SERVICE ENGINEERS UPON COMPLETION OF THE SITE SURVEY. HOLOGIC IS NOT LIABLE FOR ERRORS OR OMISSIONS. ALL CONSTRUCTION PARTICIPANTS SHALL VERIFY AND ADJUST DIMENSIONS. CRITICAL DIMENSIONAL RELATIONSHIPS HAVE BEEN SUPPLIED. IT IS THE RESPONSIBILITY OF ALL CONSTRUCTION PARTICIPANTS TO ADHERE TO THESE DISTANCES. ALL DIMENSIONS ARE FROM FINISHED SURFACES UNLESS OTHERWISE NOTED.
RECOMMEND THE CUSTOMER'S CONTRACTOR COORDINATE WITH THE LOCAL HOLOGIC INSTALLER TO VERIFY THAT ALL DOOR AND PASSAGEWAY SIZES ARE ADEQUATE FOR TRANSPORTING EQUIPMENT FROM EXTERIOR OF BUILDING INTO RESPECTIVE ROOMS. RECOMMEND COVERING OR REMOVING THRESHOLDS. THOSE MAKING USE OF, OR RELYING ON THIS MATERIAL ASSUME ALL RISKS AND LIABILITY ARISING FROM SUCH USE OR RELIANCE. ALL CONSTRUCTION SHALL COMPLY WITH BUILDING CODES AND REGULATIONS THAT HAVE JURISDICTION.

2. ALL SUPPLY DIFFUSERS SHALL NOT CAUSE DIRECT AIR CURRENTS ON PATIENTS OR OPERATORS. RECOMMEND 2' X 4' LAY-IN CEILING PANELS OF MATERIAL ACCEPTABLE TO CUSTOMER, AND APPROVED PER PREVAILING CODES. LIGHTING FIXTURES, VENTS, ETC. TO BE FLUSH WITH FINISHED CEILING.
RECOMMEND INCANDESCENT OR LED, AS WELL AS FLUORESCENT LIGHT FIXTURES. THE INCANDESCENT OR LED FIXTURES SHOULD BE DISTRIBUTED AROUND THE ROOM.
HOLOGIC RECOMMENDS AGAINST THE USE OF DIMMER CONTROLS, AS THEY CAN CAUSE ISSUE WITH EMI INTERFERENCE.

3. ARCHITECT AND ENGINEERS SHALL USE EXISTING ELECTRICAL AND STRUCTURAL ITEMS WHEN FEASIBLE.

4. ALL WORK EXCEPT INSTALLATION OF HOLOGIC SUPPLIED DIAGNOSTIC IMAGING EQUIPMENT IS TO BE DONE BY OTHERS.

5. SOME CONVENIENCES MAY BE REQUIRED BY CODE OR DESIRED BY CUSTOMER IN EACH RESPECTIVE ROOM (I.E., CASSETTE STORAGE, ILLUMINATORS, CABINETS, SINKS, AND COUNTER SPACE).
PLEASE CONSULT WITH CUSTOMER WITH REGARDS TO DESIRED CONVENIENCES.

6. ELECTRICAL POWER FOR X-RAY EQUIPMENT REQUIRES HIGH CURRENTS FOR SHORT DURATION, WHILE THE SUPPLY VOLTAGE MUST REMAIN STABLE. REFER TO ELECTRICAL NOTES.
GROUNDING MUST CONFORM TO THE CURRENT REQUIREMENTS FOR ELECTRICALLY SUSCEPTIBLE PATIENT AREAS.

7. NO ATTENTION HAS BEEN GIVEN TO SPECIFIC PLUMBING OR HVAC CONSIDERATIONS AFFECTED BY THE SCOPE OF THIS WORK. ENGINEERING DRAWINGS TO BE DONE BY OTHERS.
ELECTRICAL AND MECHANICAL DESIGNERS SHALL BE REQUIRED TO REVIEW THESE DRAWINGS TO HELP THEM GAIN AN UNDERSTANDING OF THE CONCEPT OF THIS WORK AND TO HELP MINIMIZE CONFLICTING CONSTRUCTION EFFORTS. NO ATTENTION HAS BEEN GIVEN TO SPECIFIC BUILDING STRUCTURAL INTEGRITY. A PROFESSIONAL STRUCTURAL ENGINEER SHALL INSPECT FIELD CONDITIONS TO ENSURE THAT THE FACILITY SUPPORT STRUCTURE (I.E. WALLS, FLOORS, CEILINGS) CAN PROVIDE ADEQUATE SUPPORT FOR THE DIAGNOSTIC IMAGING EQUIPMENT DESCRIBED IN THE EQUIPMENT SCHEDULE.
NO ATTENTION HAS BEEN GIVEN TO SPECIFIC SEISMIC ANCHORAGE CONSIDERATIONS AFFECTED BY THE SCOPE OF THIS WORK. ALL EXPENSES ASSOCIATED WITH SEISMIC TESTING AND COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CUSTOMER (END USER) OR THEIR RESPECTIVE CONTRACTOR OF CHOICE.
IT IS STRONGLY RECOMMENDED THAT THE CUSTOMER CONSULTS WITH A PROFESSIONAL STRUCTURAL ENGINEER FAMILIAR WITH ALL PREVAILING SEISMIC REQUIREMENTS. ENGINEERING DRAWINGS BY OTHERS.

8. THE EQUIPMENT REPRESENTATIVES PRIOR TO CHANGES, MUST APPROVE DEVIATION FROM THESE PLANS IN WRITING.

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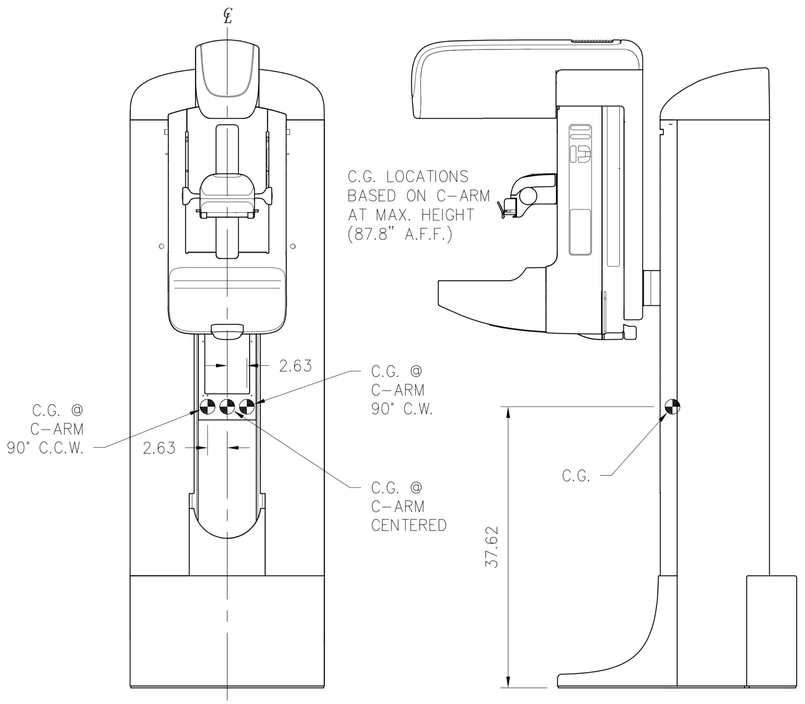
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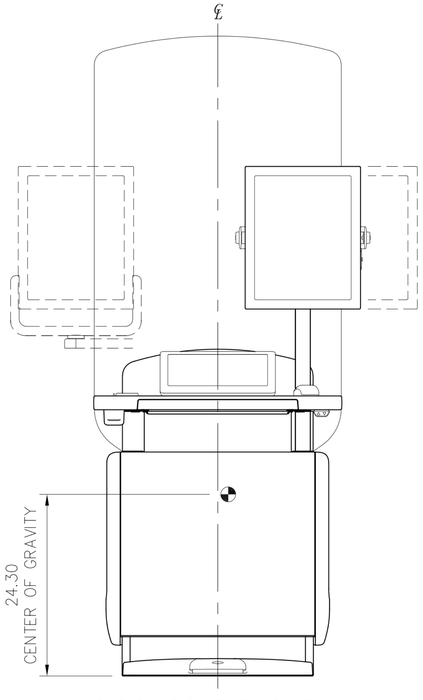
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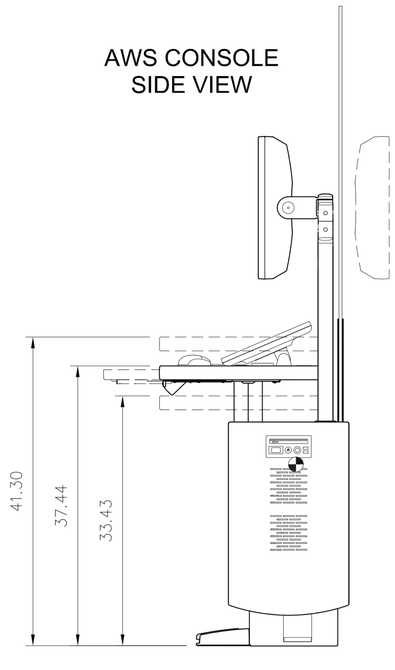
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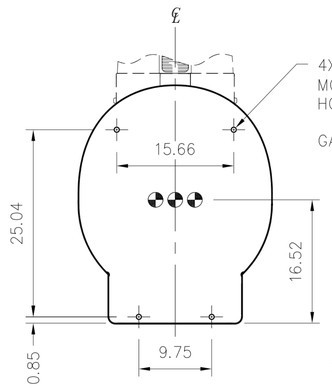
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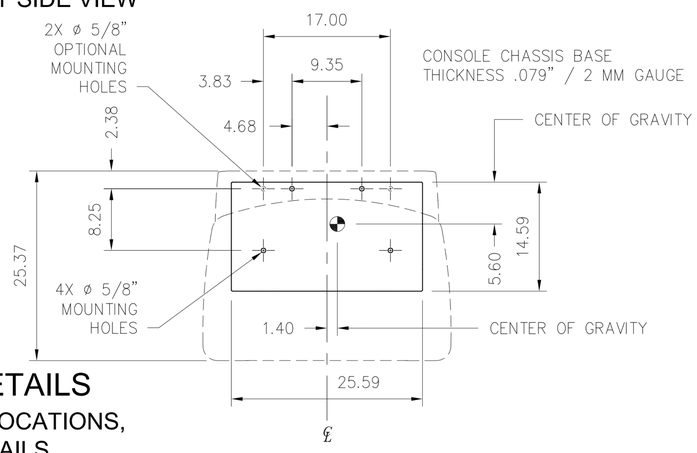
AWS CONSOLE FRONT VIEW

AWS CONSOLE
SIDE VIEW

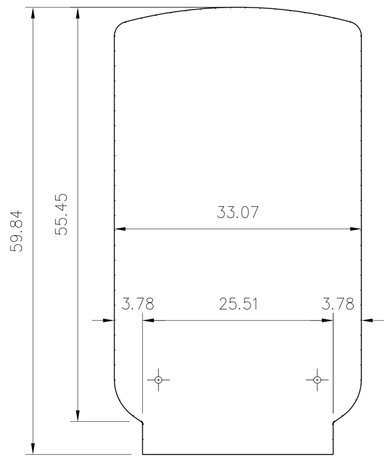




GANTRY BASEPLATE



AWS CONSOLE BASEPLATE PLAN VIEW



AWS CONSOLE SHIELD

EQUIPMENT DETAILS

CENTER OF GRAVITY LOCATIONS,
BASEPLATE DETAILS

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