Intermountain Healthcare

McKay-Dee Hospital PET/CT Remodel

4401 Harrison Blvd
Ogden, Utah 84403

Construction Documents

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NJRA Project # 18216.00
Construction Documents June 28, 2021

Cover Sheet

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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

BUILDING 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 CLASS: **CLASS IV**

IC RISK GROUP	TYPE A	TYPE B	TYPE C	TYPE D
LOWEST	CLASS I	CLASS II	CLASS III	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

PROJECT CONSISTS OF REMODEL OF THE EXISTING EMPLOYEE GYM AND LOCKERS ROOMS ON LEVEL 3 TO ACCOMODATE A NEW PET/CT SCAN ROOM, CONTROL ROOM AND EQUIPMENT ROOM. PROJECT ALSO INCLUDES RELOCATING THE EXISTING SHAFT FROM THIS SPACE TO THE ADJACENT MEDICAL RECORDS ROOM. APPROXIMATE SQUARE FOOTAGE OF THIS PROJECT IS 930 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

CAB'T	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.	ELECTRIC
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXH.	EXHAUST
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXT.	EXTERIOR

F

FT.	FEET
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
MATL	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.F.S.	OVERFLOW SCUPPER
O.F.C.I.	OWNER FURNISHED, CONTRACTOR 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.P.	WATER PROOF
W.R.	WATER RESISTANT
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. 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

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 ARCHITECT'S 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.

DRAWING INDEX

COORDINATION NOTE FOR GE EQUIPMENT DRAWINGS

CONTRACTORS SHOULD THOROUGHLY REVIEW AND COORDINATE THE ATTACHED EQUIPMENT INSTALLATION DRAWINGS LISTED ABOVE FROM GE. THESE DRAWINGS ARE PART OF THE CONSTRUCTION DOCUMENTS. ITEMS IN GE 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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General Information

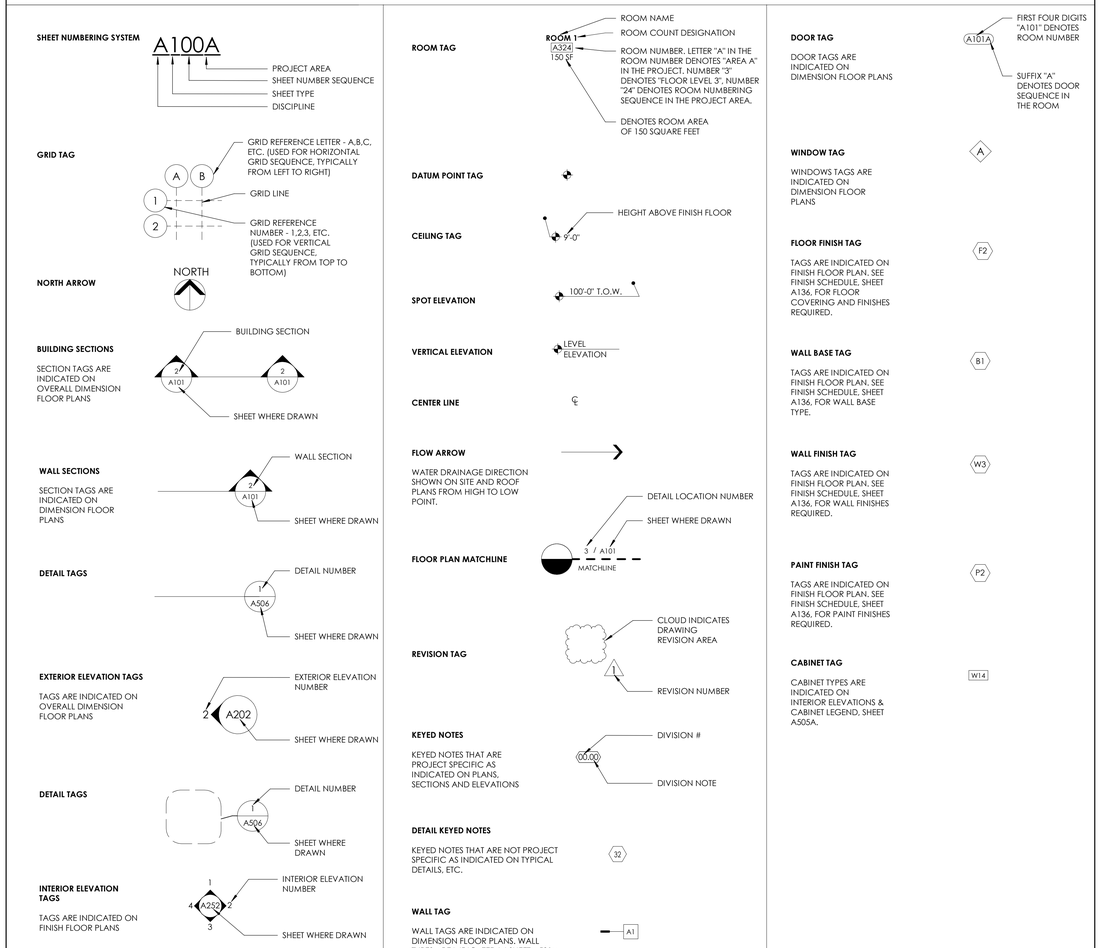
G002

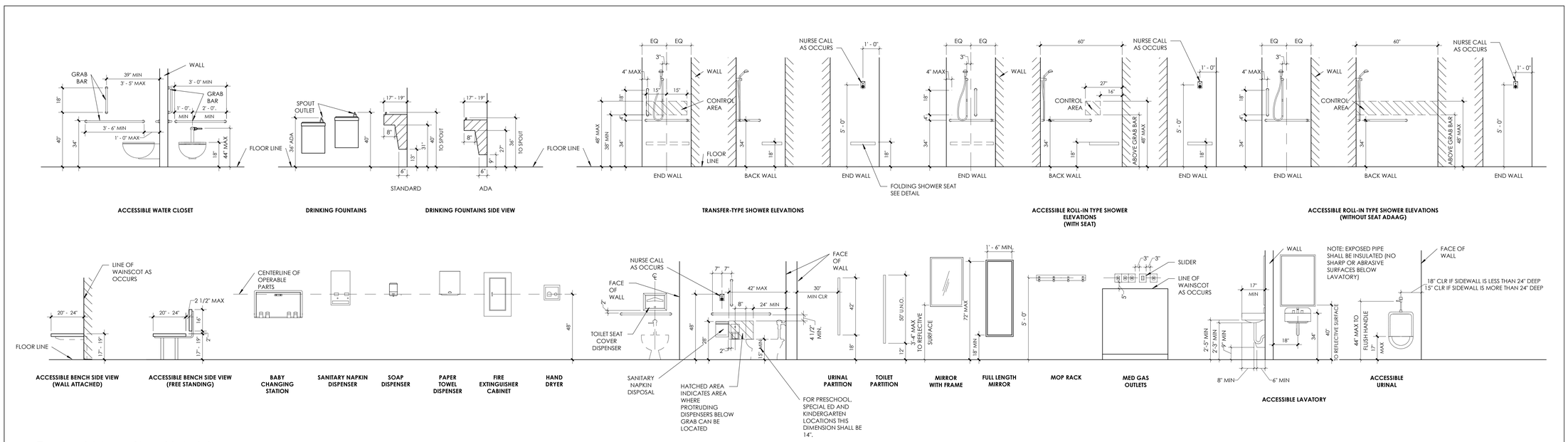
6/28/2021 11:06:14 PM

LEGEND - MATERIALS

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

GENERAL INFORMATION SYMBOLS & TAGS





2 Typical Mounting Heights
SCALE: 3/8" = 1'-0"

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G003

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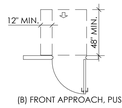
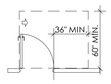
DOORS AND DOORWAYS

(A) FRONT APPROACH, PULL SIDE

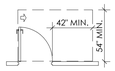


(B) FRONT APPROACH, PUSH SIDE

MANEUVERING CLEARANCE AT SWINGING DOORS

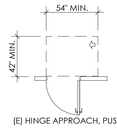


(C) HINGE APPROACH, PULL SIDE

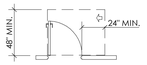


(D) HINGE APPROACH, PULL SIDE

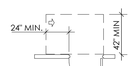
FIG. 404.2.4.1



(E) HINGE APPROACH, PUSH SIDE

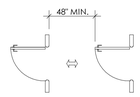


(F) LATCH APPROACH, PULL SIDE

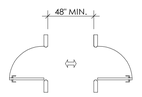


(G) LATCH APPROACH, PUSH SIDE

FIG. 404.2.6
TWO DOORS IN A SERIES



(A)

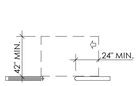


(B)

FIG. 404.2.4.2
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

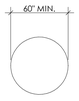
(A) FRONT APPROACH

(B) POCKET OR HINGE APPROACH

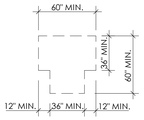


(C) STOP OR LATCH APPROACH

CLEAR FLOOR SPACE

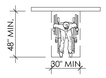


(A) CIRCULAR

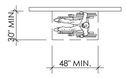


(B) T-SHAPED

FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE

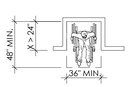


(A) FORWARD

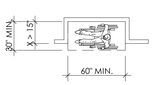


(B) PARALLEL

FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE



(A) FORWARD APPROACH



(B) PARALLEL APPROACH

FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

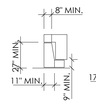


FIG. 306.3
KNEE CLEARANCE

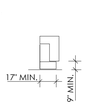


FIG. 306.2
TOE CLEARANCE

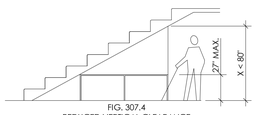


FIG. 307.4
REDUCED VERTICAL CLEARANCE

REACH RANGES

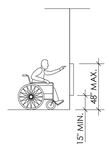


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

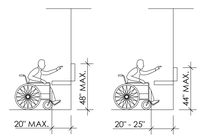


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

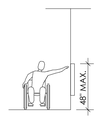


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

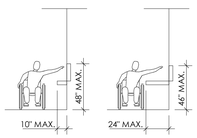


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

GENERAL SITE AND BUILDING ELEMENTS

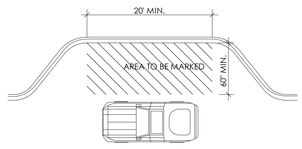


FIG. 503.3
PASSENGER LOADING ZONE ACCESS AISLE

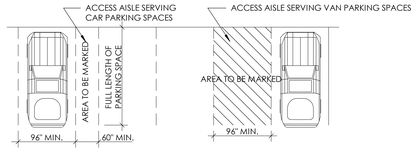
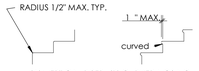


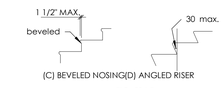
FIG. 502.2/502.3
VEHICLE PARKING SPACE/
PARKING SPACE ACCESS AISLE



(A) VERTICAL RISER (B) CURVED NOSING

(A) STAIRS (B) RAMPS

FIG. 505.4
HANDRAIL HEIGHT



(C) BEVELED NOSING(D) ANGLED RISER

FIG. 504.5
STAIR NOSINGS

(A) CIRCULAR

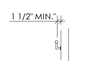
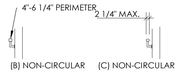


FIG. 505.5
HANDRAIL CLEARANCE



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

FIG. 505.7
HANDRAIL CROSS SECTION

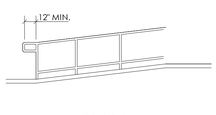


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

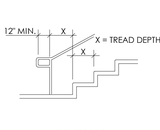


FIG. 505.10.2
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

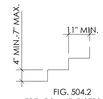


FIG. 504.2
TREADS AND RISERS FOR
ACCESSIBLE STAIRWAYS

COMMUNICATION ELEMENTS AND FEATURES

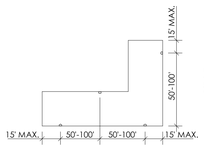
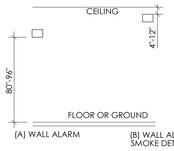


FIG. 702.3.5.1
APPLIANCE SPACING IN CORRIDORS



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

FIG. 702.3.3.1
LOCATION OF WALL-MOUNTED APPLIANCES

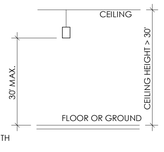


FIG. 702.3.3.2
LOCATION OF CEILING-MOUNTED APPLIANCES

(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

(A)

(B)

FIG. 608.5
CONTROLS IN TRANSFER-TYPE
SHOWERS

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

FIG. 406.12
ISLANDS

FIG. 406.4
SIDES OF CURB RAMPS

FIG. 407.2.2
ELEVATOR CALL BUTTONS

FIG. 407.2.3.2.1
HEIGHT OF ELEVATOR VISIBLE SIGNALS

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

(A) EXTENDED SURFACE (B) CURB OR BARRIER

FIG. 405.9
RAMP EDGE PROTECTION

FIG. 406.3
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS

FIG. 406.11
DIAGONAL CURB RAMPS

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NJRA Project # 18216.00
Construction Documents June 28, 2021

American National Standard Institute Requirements
G004

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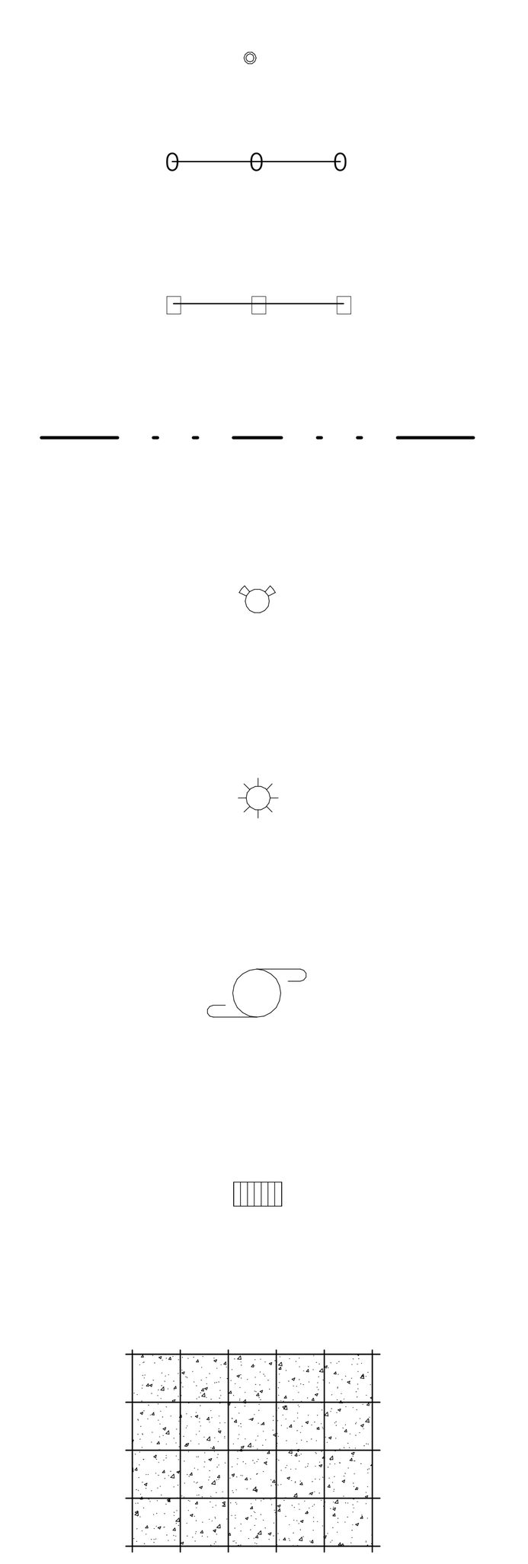
1 American National Standard Institute (ICC A117.1 - 2009) Requirements
SCALE: 3/16" = 1'-0"

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 ARCHITECT'S 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.
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.

LEGEND - SITE PLAN

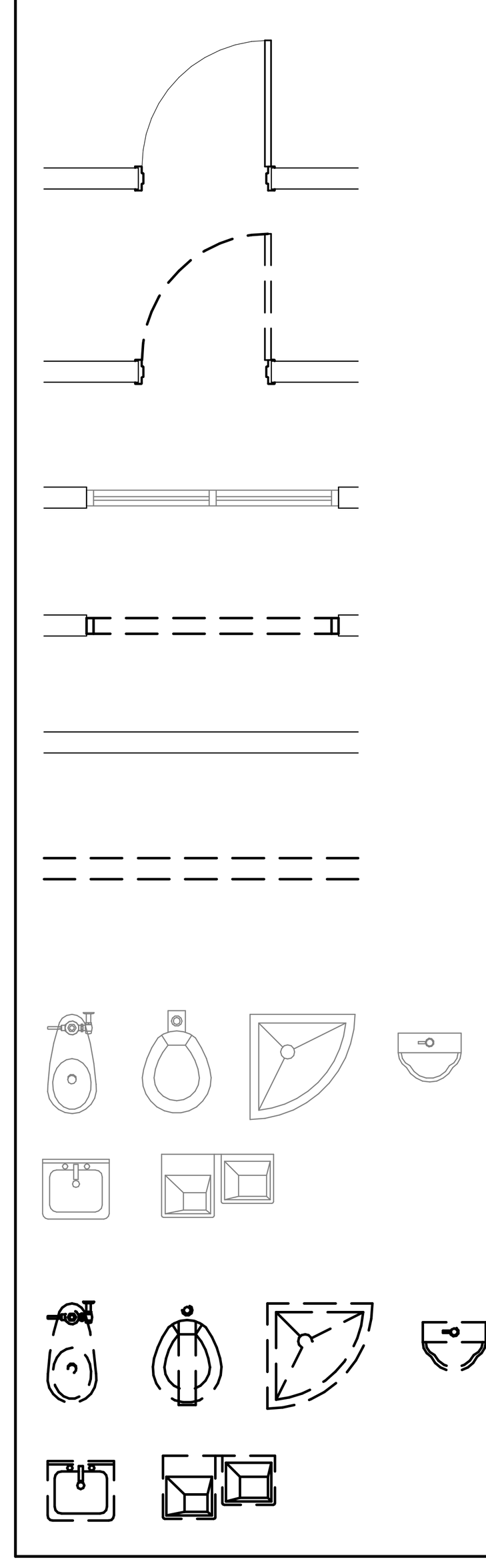
SITE COMPONENTS (FENCES, HYDRANTS, SIDEWALKS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/16" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/32" = 1'-0" SCALE.



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

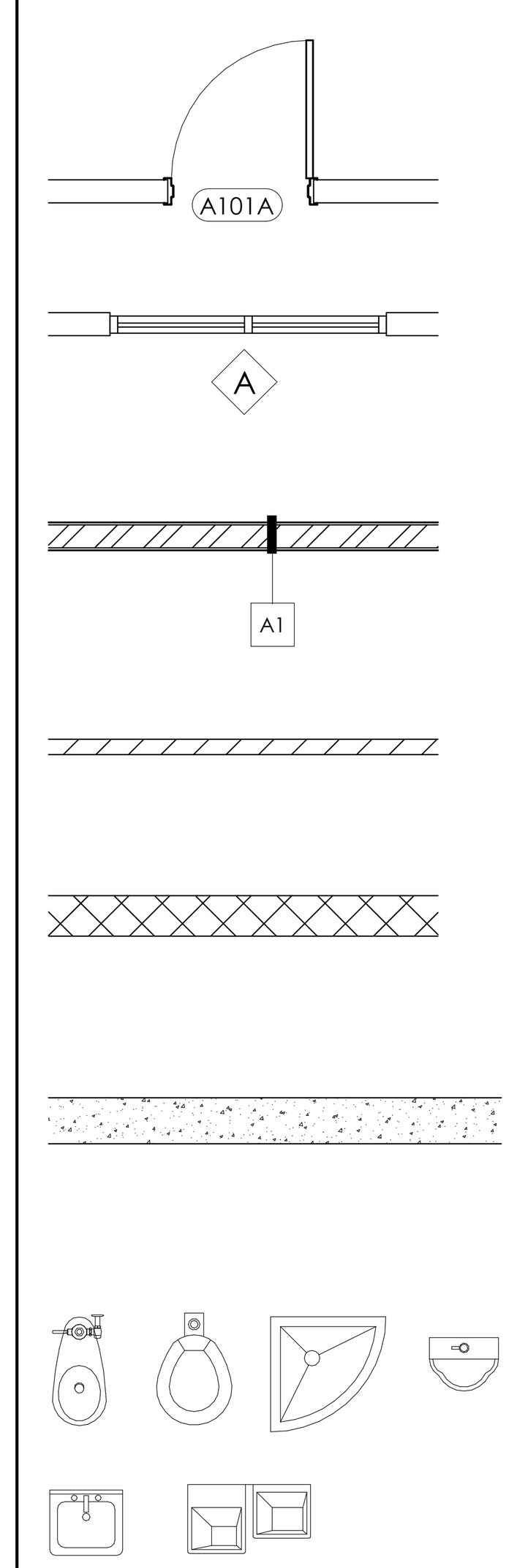
BUILDING COMPONENTS (DOORS, WALLS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.



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

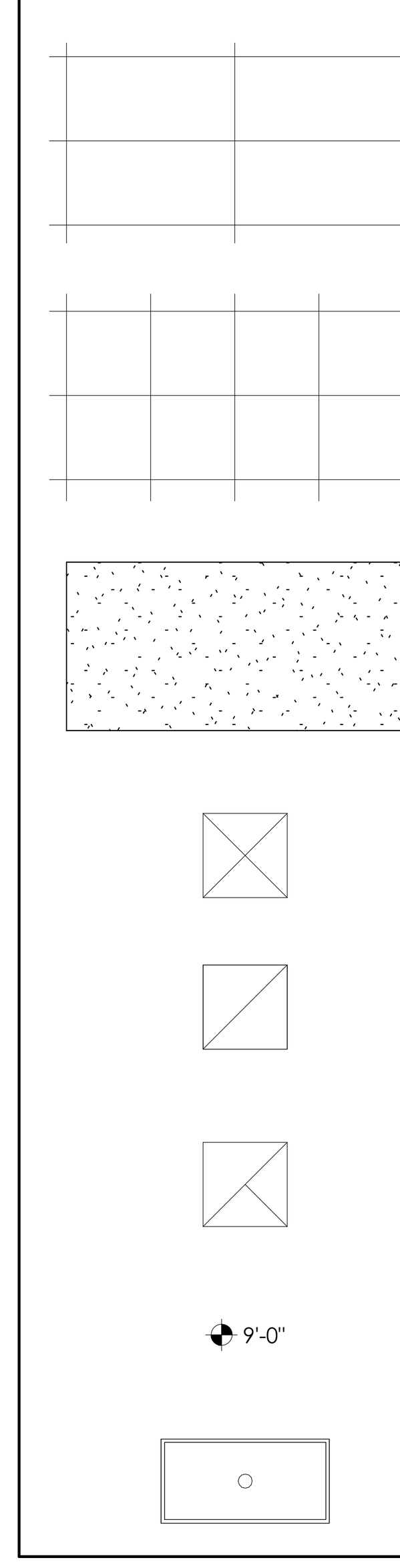
BUILDING COMPONENTS (DOORS, WALLS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.



NEW DOOR IN NEW WALL. SEE DOOR SCHEDULE.
NEW WINDOW. SEE WINDOW TYPES. TAGS ARE PLACED ON THE FRONT SIDE OF WINDOW.
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

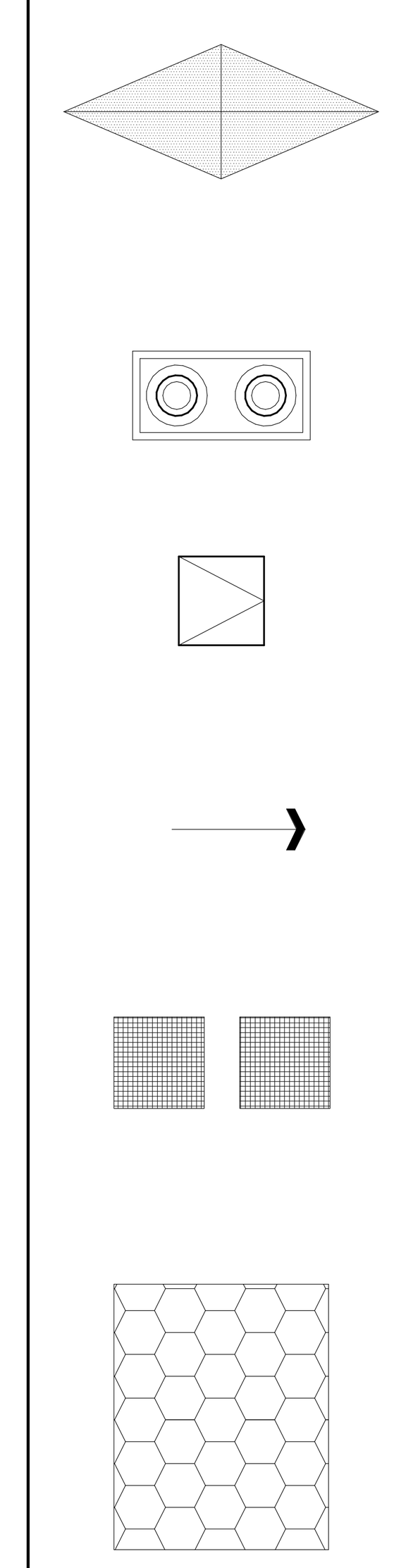
BUILDING COMPONENTS (CEILING, LIGHT FIXTURES, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.



2' X 4' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS
2' X 2' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS
SUSPENDED GYPSUM BOARD CEILING OR SOFFIT SEE DETAILS
NEW SUPPLY AIR GRILLE - SEE MECHANICAL DRAWINGS
NEW RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS
NEW EXHAUST FAN - SEE MECHANICAL DRAWINGS
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
SLOPE DOWN DIRECTION FOR WATER FLOW TOWARD ROOF DRAINS.
WALKWAY PADS.
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 - 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 - 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 ACCOMODATE 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 - FINISH FLOOR PLAN

A. BASIS-OF-DESIGN FOR FINISHES. ALL FINISHES INDICATED ON THE FINISH LEGEND ARE BASED ON THE NAMED MANUFACTURER AND PRODUCTS. SUBJECT TO COMPLIANCE WITH REQUIREMENTS. PROVIDE THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY ONE OF THE MANUFACTURERS LISTED IN THE RELEVANT SPECIFICATION SECTION IN THE PROJECT MANUAL.
B. WHERE MORE THAN ONE WALL FINISH IS CALLED OUT FOR A WALL, SEE INTERIOR ELEVATIONS FOR HEIGHT OF TRANSITION. SEE SAMPLE LAYOUT 2 ON SHEET A603A.
C. VERIFY PAINTING SURFACE (SUCH AS STEEL, CONCRETE, MASONRY, GYPSUM BOARD, WOOD, ETC.) AND USE THE APPROPRIATE PAINT AND METHOD INDICATED IN THE PROJECT MANUAL.
D. PAINT ALL EXPOSED VISIBLE ITEMS SUCH AS METAL DECK, STEEL ANGLES, STEEL BEAMS, STEEL TRUSSES, MISC. STEEL ITEMS, PIPES, CONDUITS, ETC. UNLESS SPECIFIED BY THE ARCHITECT. DO NOT PAINT CONCEALED SURFACES, FINISHED METAL SURFACES, OPERATING PARTS, AND PRE-FINISHED ITEMS.
E. GYPSUM BOARD CEILINGS IN RESTROOM AREAS SHALL MATCH WALL PAINT COLOR IN EPOXY.
F. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED. COORDINATE ACCENT COLOR WITH ARCHITECT.
G. SEE DETAILS ON SHEET A506A FOR TYPICAL FLOOR COVERING TRANSITIONS WHERE THRESHOLDS ARE NOT CALLED FOR ON PLANS.
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 SOLID SURFACE (AND NOT PLASTIC LAMINATE WRAPPED), ARE INDICATED AS SS1, SS2, ETC.

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 - 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 SCHEULE 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 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 -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 3'-0", STEEL SUPPORTS SHALL BE PROVIDED AS INDICATED IN DETAILS 16/A505B AND 16/A505C.
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).

GENERAL NOTES - BUILDING SECTIONS

1. WALL PARTITIONS WITHIN RETAIL SPACES SHALL BE FINISHED PER TENANT IMPROVEMENT, EXCEPT THOSE WALLS THAT ARE REQUIRED FOR FIRE RATING OR THERMAL/MINIMUM UTILITIES CONDITIONING OF THE SHELL SPACE.
2. WHERE SHORING CONDITIONS APPLY, CONTRACTOR SHALL PROVIDE WITH IT, THE REQUIRED WATERPROOFING AND DRAINAGE SYSTEM FOR THE CONCRETE & THE SHORING WALL RESPECTIVELY.
3. CONTRACTOR IS RESPONSIBLE FOR PROPER TRANSITIONS BETWEEN SHORING SYSTEM, LAID BACK WATERPROOFING & HORIZONTAL WATERPROOFING SYSTEMS - THEY SHALL BE COMPATIBLE ONE TO EACH OTHER & MUST FOLLOW RECOMMENDATIONS FROM THEIR MANUFACTURERS.
4. SPACING BETWEEN STRUCTURAL MEMBERS SHALL FOLLOW INDICATIONS GIVEN ON STRUCTURAL PLANS (TYPICAL).
5. COLORS, STAINS & FINISHES ON ALL DESCRIPTED MATERIALS ARE PER FINISH PLANS, SPECIFICATIONS & AS SELECTED PER INTERIOR DESIGNER AND/OR ARCHITECT (TYPICAL).
6. FIRE PROTECTION ON ASSEMBLIES, ELEMENTS AND MEMBERS SHALL COMPLY WITH ALL THE CODE REQUIREMENTS (TYPICAL) - REFER TO LIFE SAFETY PLANS.
7. WOOD MATERIAL UNDER TYPE 1A CONSTRUCTION SHALL BE FIRE AND PRESSURE TREATED (TYPICAL) U.N.O.
8. REFER TO PLAN DETAILS FOR SPECIFIC LOCATION OF STUDS THAT WILL ACCOMPLISH ALIGNMENTS OF DIFFERENT TYPES OF WALLS (TYPICAL).
9. ALL WALLS SHALL BE BUILT FOLLOWING WALL TYPE PARTITION DETAILS (TYPICAL).

GENERAL NOTES - WALL TYPES

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 THAT 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 GUAGE OF STUDS CALLED OUT IN THE WALL TYPES.

GENERAL NOTES - SITE PLAN

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

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 11/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 - 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 GOOSNECK 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 - 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-RETARDENT, PRESSURE-TREATED (TYPICAL) U.N.O.
H. ALL INTERIOR WALLS SHALL BE BUILT FOLLOWING WALL TYPE DETAILS (TYPICAL).

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Intermountain Healthcare
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PET/CT Remodel

4401 Harrison Blvd
Ogden, Utah 84403

NJRA Project # 18216.00
Construction Documents June 28, 2021

General Legend & Notes

G005

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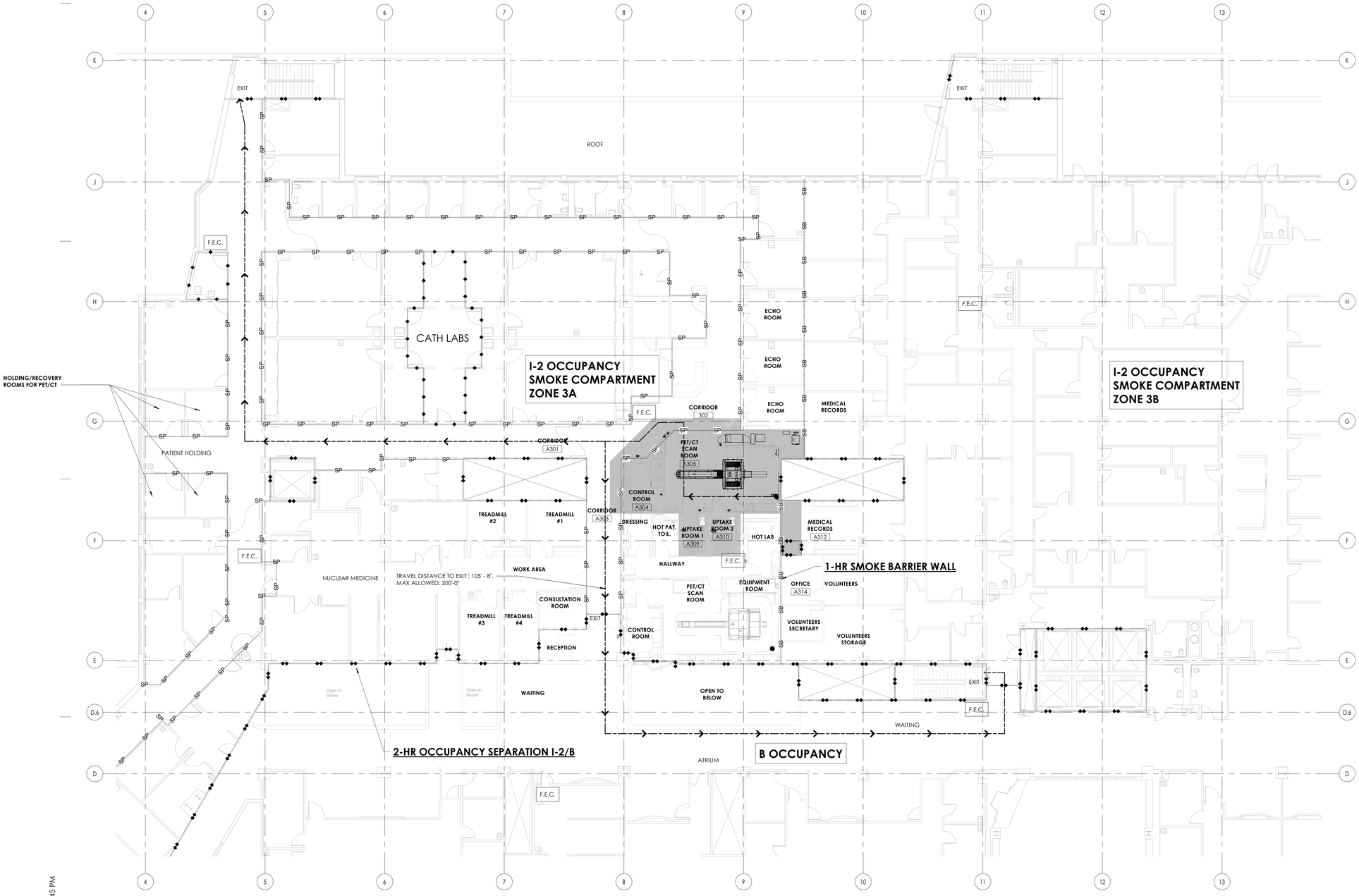
LEGEND

LEGEND	DESCRIPTION	FIRE RESISTANCE RATING	DOOR FIRE RATING	WINDOW FIRE RATING
	PATH OF TRAVEL	N/A	N/A	N/A
F.E.C.	FIRE EXTINGUISHER & CABINET	N/A	N/A	N/A
O.L. 3	OCCUPANT LOAD	N/A	N/A	N/A
SP SP SP SP SP	SMOKE PARTITION WALL	0-HOUR FIRE RESISTANCE	SMOKE	SMOKE
SB SB SB SB SB	SMOKE BARRIER WALL	1-HOUR FIRE RESISTANCE	1/3-HOUR	3/4-HOUR
	1-HOUR FIRE RATED	1-HOUR FIRE RESISTANCE	3/4-HOUR	3/4-HOUR
	2-HOUR FIRE RATED	2-HOUR FIRE RESISTANCE	1 1/2-HOUR	1 1/2-HOUR
	EXIT SIGN	N/A	N/A	N/A
	AREA OF REMODEL	N/A	N/A	N/A



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

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CODE REVIEW

APPLICABLE CODES

International Building Code (IBC)	2018
International Fire Code (IFC)	2018
International Mechanical Code (IMC)	2018
International Plumbing Code (IPC)	2018
National Electric Code (NEC)	2017
ANSI/ASHRAE/IES Standard 90.1	2010
NFPA 101	2018
ANSI 117.1	2009
ADA Standards for accessible design	2010
Guidelines for design and construction of hospital and healthcare facilities	2010

FIRE RESISTANCE RATING FOR BUILDING ELEMENTS (TABLE 601)

	Required	Provided (Unchanged)
Structural Frame:	3	3
Bearing Walls:		
Exterior	3	3
Interior	0	0
Non-Bearing Walls:		
Exterior	0	0
Interior	0	0
Floor Construction	2	2
Roof Construction	1 1/2	1 1/2

OCCUPANCY : I-2 (Institutional)
: B (Business)

Remodel is in I-2 occupancy.

CONSTRUCTION TYPE : Type I-A

OTHER CODE REQUIREMENTS

Travel Distance : 200 Feet (I-2), 300 Feet (B)
Common Path of Travel : 75 Feet (I-2), 100 Feet (B)
Minimum Corridor Width : 8 Feet (I-2) (In areas where required for bed movement)

AUTOMATICALLY SPRINKLED
Building is equipped with an automatic fire extinguishing sprinkler system.

OCCUPANT LOADS:
Inpatient Treatment Areas: 240 Sq. Ft. Gross per Occupant

Total Occupant Load: (Unchanged)

BUILDING AREA

Allowable Area : Unlimited (For I-2 occupancy and Type I-A construction)

Total Building Area : To remain unchanged

Remodel Area : 950 Sq. Ft.

NUMBER OF STORIES

Allowable Stories : Unlimited (Table 504.4)
Actual Stories : 5 (plus additional Penthouse level)

BUILDING HEIGHT

Allowable Height : Unlimited
Actual Height : 80 ft.

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Construction Documents June 28, 2021

Code Compliance Plan Level 3

G131

1. Design Criteria

1.1. Governing Building Code .... 2018 International Building Code (IBC)
A. Risk Category.. IV

1.2. Floor Live Loading
A. Operating Rooms & Laboratories .... 60 psf Live Load + 20 psf Partition Load

2. Concrete

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

Location	f'c at 28 days (psi)	Max W/C Ratio	Air Content (%)	Max Aggregate Size	Exposure Classes*		
					F	S	C
Lightweight Concrete over Steel Deck	3500	0.50	-	1/2"	F0	S0	C0

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

B. Cementitious Materials:
1. Portland Cement (ASTM C150):
a. Type I or II for exposure class S0.
2. Fly Ash (ASTM C618, Class C or F): maximum fly ash content as a percentage of total weight of cementitious materials shall be 25 percent.

C. Concrete Density (Maximum Air Dry Weight):
1. Lightweight concrete shall not exceed 110 pounds per cubic foot and shall be made of lightweight coarse aggregates and either lightweight and/or normal weight fines meeting ASTM C330.

D. Steel Reinforcement:
1. ASTM A615 Grade 60, fy = 60,000 psi min. unless noted otherwise.

E. Wire Reinforcement:
1. Welded wire fabric (WWF): ASTM A1064.

F. Admixtures:
1. Air-entraining admixtures, comply with ASTM C 260 (when used).
a. Tolerance on air content as delivered shall be +/- 1.5%.
2. The use of super plasticizers and water reducers is allowed, but not required.
3. Calcium chloride or admixtures containing calcium chloride shall not be added to the concrete mix.

G. Chloride Ion: Maximum water soluble chloride ion concentrations in hardened concrete at age between 28 and 42 days contributed from the ingredients including water, aggregates, cementitious materials, and admixtures shall not exceed a maximum, by weight of cement, of 1.00% for concrete with exposure class C0, 0.30% for concrete with exposure class C1, 0.15% for concrete with exposure class C2, and 0.06% for all prestressed concrete.

H. Slump Limit: 4 inches, maximum for all concrete prior to the addition of plasticizers and water reducing admixtures. The concrete supplier shall indicate the final slump of each concrete mix in the submitted mix design.

I. Only one grade or type of concrete shall be poured on the site at any given time.

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

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

2.4. Detailing: All reinforcing, including welded wire fabric, shall be detailed, bolstered & supported to comply with ACI 315, "Details and Detailing of Concrete Reinforcement" and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically shown on drawings.
A. All embedded elements and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
B. Use chairs or other support devices recommended by CRSI to support and tie reinforcement bars and welded wire fabric prior to placing concrete. Welded wire fabric shall be continuously supported at 36" o.c. maximum.
C. All reinforcement shall be bent cold, and shall be bent only once at the same location. All reinforcement shall be shop bent, unless otherwise permitted by the Engineer.

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

3. Structural Steel

3.1. Material:
A. W-Shapes: ASTM A992, (F_y = 50 ksi), except as noted otherwise
B. All Other Shapes and Plates: ASTM A36 (Fy = 36 ksi), except as noted otherwise
C. Steel Deck:
1. Galvanized Steel Sheet: ASTM A653 or A1063, Grade 50 with G90 galvanized coating.
D. High-Strength Bolts:
1. Group A: ASTM F3125 Grades A325 & F1852

3.2. Fabrication and construction shall comply with the following Codes and Standards:
A. American Institute of Steel Construction (AISC) 360-16, "Specification for Structural Steel Buildings"
B. AISC 303-16, "Code of Standard Practice for Steel Buildings and Bridges" excluding the following: Section 3.3 (last two sentences of first paragraph), Section 4.4, Section 4.4.1, Section 4.4.2, Section 4.5, and Section 7.13.3
1. The architectural drawings are the prime contract drawings. Consultants' drawings by other disciplines are supplementary to the architectural drawings. The structural drawings shall be used in conjunction with the architectural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in architectural, structural, and/or other consultants' drawings. Refer to the Special Instructions section of the general notes, below.
C. AISC/RCSC 2014, "Specification for Structural Joints Using High-Strength Bolts"
D. American Welding Society (AWS) D1.1:2015, "Structural Welding Code – Steel" (specific items do not apply when they conflict with the AISC requirements)

3.3. Structural shapes and plates shall be fabricated from newly rolled (milled) one-piece sections without splices, unless specifically noted otherwise on the structural drawings. Connections for structural steel shall comply with the structural drawings, unless written approval is given by the Structural Engineer.

3.4. Welding:
A. It is recommended the steel erection contractor and steel fabricator contact the Quality Assurance Agency prior to beginning any welds. A program of joint preparation and welding procedures should be worked out between the two parties before the welding is started so that correct welds will be made from the beginning.
B. Certification of Welders: All shop and field welding shall be executed by AWS certified welders who have been specifically certified for the process of welding being performed. The welder's certification will be considered as being current unless the welder is not engaged in the process of welding being performed for a period exceeding six months or there is a specific reason to question a welder's ability as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the Architect prior to beginning work.
C. Electrodes: E-70 XX or as noted otherwise. E60 XX may be used for welding steel floor and roof decks.
D. Minimum Welds: All intersecting steel shapes that are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Fillet weld sizes that are not shown shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected parts.
E. Bolts: Do not apply any welds, including "tack" welds to bolts, including anchor bolts, except as specifically detailed in the drawings.

3.5. Bolted Connections:
A. Provide snug tightened joints with Group A (threads not excluded) bolts for steel to steel connections, unless noted otherwise. Snug tightened joints shall be used in connections for simple span framing and beam (or girder) to bearing plate connections. Snug tight is the condition that exists when all of the plies in a connection have been pulled into firm contact by the bolts in the joint and all of the bolts in the joint have been tightened sufficiently to prevent the removal of the nuts without the use of a wrench. The snug tightened condition is typically achieved with a few impacts of an impact wrench, application of an electric torque wrench until the wrench begins to slow, or the full effort of a worker on an ordinary spud wrench.
B. Provide hardened washers beneath the turned element of all bolts or nuts. Provide hardened beveled washers, to compensate for the lack of parallelism, where the outer face of the bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolt axis. Hardened washers or plates installed over oversized holes or slotted holes shall be at least 5/16" thick and shall conform to ASTM F436. Plates or bars installed at slotted holes shall have a size sufficient to completely cover the slot after installation.
C. Where a steel to steel beam connection is not detailed in the drawings, provide a standard AISC framed connection with the capacity to support one half of the total uniform load capacity of the given shape for the span and for the steel specified.
D. Bolts, nuts and washers shall not be reused.

3.6. Beam Web Stiffener Plates:
A. Provide full-height web stiffener plates to each side of all beams above all bearing points. Unless noted otherwise, stiffener plates shall be the thickness indicated in the typical stiffener plate detail.

4. Cold-Formed Steel

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

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

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

5. Miscellaneous

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

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

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

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

2. Adhesive anchors shall be installed into concrete having a minimum age of 21 days. For installations sooner than 21 days, consult the adhesive manufacturer.

D. Alternate anchors or adhesives are permitted with approval of the Engineer. The Contractor shall submit the proposed anchor product data and code evaluation report demonstrating the anchor is equivalent to or exceeds the capacity of the specified anchor.
E. Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel certified by an applicable certification program. Certification shall include written and performance tests in accordance with the ACI/CRSI Adhesive Anchor Installer Certification program, or equivalent. Proof of current certification shall be submitted to the Engineer for approval prior to commencement of installation.
F. Anchors shall be installed according to the Manufacturer's Printed Installation Instructions and applicable code evaluation reports including:
1. Hole diameter, depth, and cleaning procedure
2. Adhesive mixing, preparation, and placement
3. Installation torque
G. Locate all existing reinforcement and embedded items prior to drilling into concrete elements. Do not damage rebar or embeds while drilling or installing anchors.
H. Grout all defective or abandoned holes with non-shrink grout or an injectable epoxy adhesive matching the surrounding concrete compressive strength. Consult the Architect for additional requirements at architecturally exposed concrete.
I. Carbon steel anchors are limited to use in dry, interior locations.
J. Holes for post-installed anchors may not be core drilled unless specifically allowed by the manufacturer's installation instructions and the code evaluation report.

6. Special Instructions

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

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

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

6.4. Shoring and Bracing Requirements:
A. Floor Structures -- The General Contractor is responsible for the method and sequence of all structural erection. The Contractor shall provide temporary shoring and bracing as the method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed, including all floor attachments. The building shall not be considered stable until all connections are complete.

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

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

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

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

7. Quality Assurance

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

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

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

8. Statement of Special Inspections

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

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

Structural Steel per IBC Section 1705.2.1, 1705.12.1 & 1705.13.1

Item	Frequency	Detailed Instructions
Prior to Welding (Table N5.4-1, AISC 360-16):		
Verify welding procedures (WPS) and consumable certificates	Periodic (E)	
Material identification	Periodic	Verify type and grade of material.
Welder identification	Periodic	A system shall be maintained by which a welder who has welded a joint or member can be identified.
Fit-up of fillet welds	Periodic	Verify alignment, gaps at root, cleanliness of steel surfaces, and tack weld quality and location.
During Welding (Table N5.4-2, AISC 360-16):		
Use of qualified welders	Periodic	Verify that welders are appropriately qualified.
Control and handling of welding consumables	Periodic	Verify packaging and exposure control.
Cracked tack welds	Periodic	Verify that welding does not occur over cracked tack welds.
Environmental conditions	Periodic	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	Periodic	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.
Welding techniques	Periodic	Verify interpass and final cleaning, each pass is within profile limitations, and each pass meets quality requirements.
After Welding (Table N5.4-3, AISC 360-10):		
Welds cleaned	Periodic	Verify that welds have been properly cleaned.
Size, length, and location of welds	Periodic (E)	
Welds meet visual acceptance criteria	Periodic (E)	Verify weld meets visual acceptance criteria based upon crack prohibition, weld/base-metal fusion, crater cross section, weld profiles, weld size, undercut, and porosity.
Arc strikes	Periodic (E)	
k-area	Periodic (E)	When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. of the weld.
Repair activities	Periodic (E)	
Document acceptance or rejection of welded joint/member	Periodic (E)	
No prohibited welds	Periodic (E)	Verify no prohibited welds have been added without approval of the EOR.
After Bolting (Table N5.6-3, AISC 360-16):		
Document acceptance or rejection of bolted connections	Periodic (E)	

Steel Construction Other Than Structural Steel per IBC Section 1705.2.2

Item	Frequency	Detailed Instructions
Steel Floor Decks (IBC Table 1705.2.2):		
Material verification of cold-formed steel deck	Periodic	Confirm that identification markings are provided to conform to ASTM standards specified on construction documents.
Floor deck welds	Periodic	Visual inspection is required to confirm that weld meets acceptance criteria of AWS D1.3. Welder qualifications should also be verified.

Concrete Construction per IBC Sections 1705.3 &1705.12

Item	Frequency	Detailed Instructions
Reinforcing steel	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly per the manufacturer's instructions and/or evaluation report.
Post-installed adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	Continuous	All post-installed anchors/dowels shall be special inspected in accordance with the approved code evaluation report and with ACI Section 17.8.2.
Post-installed mechanical anchors and adhesive anchors not defined above	Periodic	
Use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents; ACI 318: Ch. 19, 26.4.3-26.4.4; and IBC 1904.1, 1908.2, 1908.3.
Concrete sampling for strength tests, slump, air content, and temperature	Continuous	Samples for strength tests shall be taken in accordance with ASTM C172, cured per ASTM C31 and tested in accordance with ASTM C39 by a testing agency complying with ASTM C1077. Acceptance criteria for strength tests shall be per ACI 318 Section 26.12.3. For each mix placed, samples shall be taken not less than once a day, nor less than once for each 150 yd³ of concrete, nor less than once for each 5000 ft² of surface area for slabs or walls. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.
Concrete placement	Continuous	
Curing temperature and techniques	Periodic	Verify that concrete is maintained at a temperature of at least 50°F and in a moist condition for at least 7 days after placement. Verify that high-early-strength concrete is maintained at a temperature of at least 50°F and in a moist condition for at least 3 days after placement. Accelerated curing methods may be used (see ACI 318: 26.5.3.2(c)). Shotcrete shall be maintained at a temperature of at least 40°F for the same period of time as noted for concrete and kept in the moist condition during curing periods in accordance to IBC 1908.9 All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
In-situ strength verification	Periodic	Verify that adequate strength has been achieved prior to the removal of shores and forms.

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NJRA Project # 18216.00
Construction Documents June 28,2021

STRUCTURAL GENERAL NOTES

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PLAN LEGEND

⊠	RECESSED/DEPRESSED SLAB
⊠	OPENING
◐	CONCRETE OVER STEEL DECK
—	STEEL BEAM OR GIRDER
—	STEEL JOIST OR PURLIN
I	STEEL COLUMN - WIDE FLANGE
I	EXISTING STEEL COLUMN - WIDE FLANGE
CJ	EXISTING SLAB CONTROL/CONSTRUCTION JOINT
—	EXISTING STEEL BEAM OR GIRDER
—	EXISTING STEEL JOIST OR PURLIN
—	EXISTING TO BE REMOVED
⊠	EXISTING OPENING

STEEL FRAMING MEMBER DESIGNATION

XX BEAM SIZE § (12) C=1"

[-14"]

- XX: TEXT INDICATES ADDITIONAL REQUIREMENTS FOR BOLTS AT SPECIFIED CONNECTION:
  SC = SLIP CRITICAL BOLTS
  PT = FULLY PRETENSIONED BOLTS
  SS = SHORT SLOTTED HOLES
  LS = LONG SLOTTED HOLES
- BEAM SIZE: INDICATES STEEL JOIST, BEAM OR GIRDER SIZE
- §: INDICATES MEMBER IS PART OF LFRS
- (12): NUMBER OF HEADED STUDS ON BEAM
- C=1": POSITIVE OR UPWARD CAMBER AT MIDSPAN
- [-14"]: WHERE NOTED, NUMBER INDICATES DIMENSION FROM TOP OF STEEL ELEVATION REFERENCED ON PLAN (TOST). SEE ARCH FOR DECK BEARING ELEVATIONS AT SLOPED ROOF FRAMING.
- ▶: CONNECTION TYPE. SEE FRAMING CONNECTION LEGEND. IF ABSENT, PROVIDE TYPICAL SINGLE PLATE CONNECTION.

ABBREVIATIONS

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

ABBREVIATIONS

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

PLAN MARKS

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

STRUCTURAL DRAWING LIST

SHT NO.	SHEET NAME
S001	STRUCTURAL GENERAL NOTES
S002	LEGENDS & ABBREVIATIONS
S101	MEDICAL EQUIPMENT SUPPORT FRAMING PLAN
S501	STRUCTURAL FRAMING DETAILS
S502	STRUCTURAL SCHEDULES

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LEGENDS & ABBREVIATIONS

S002

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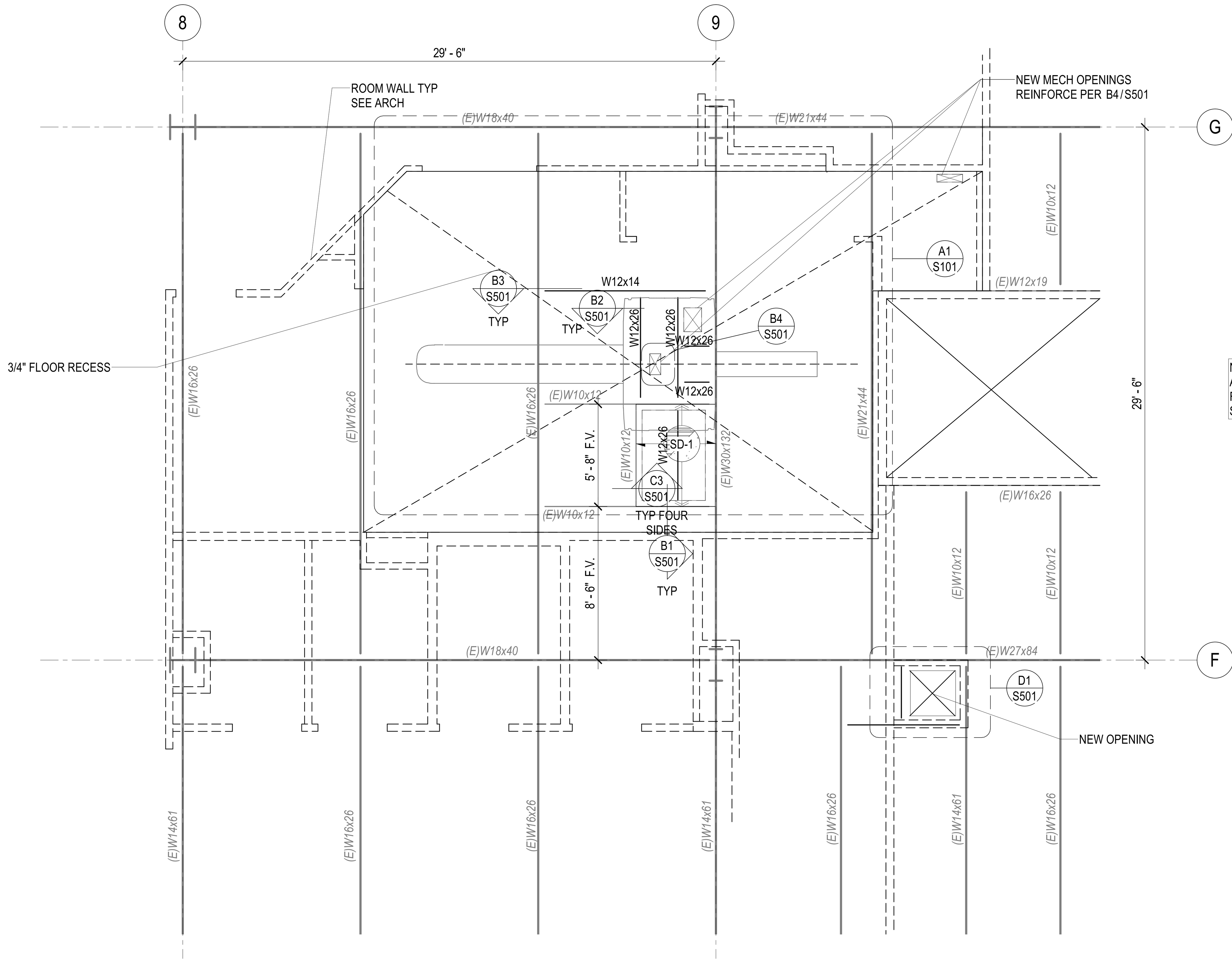
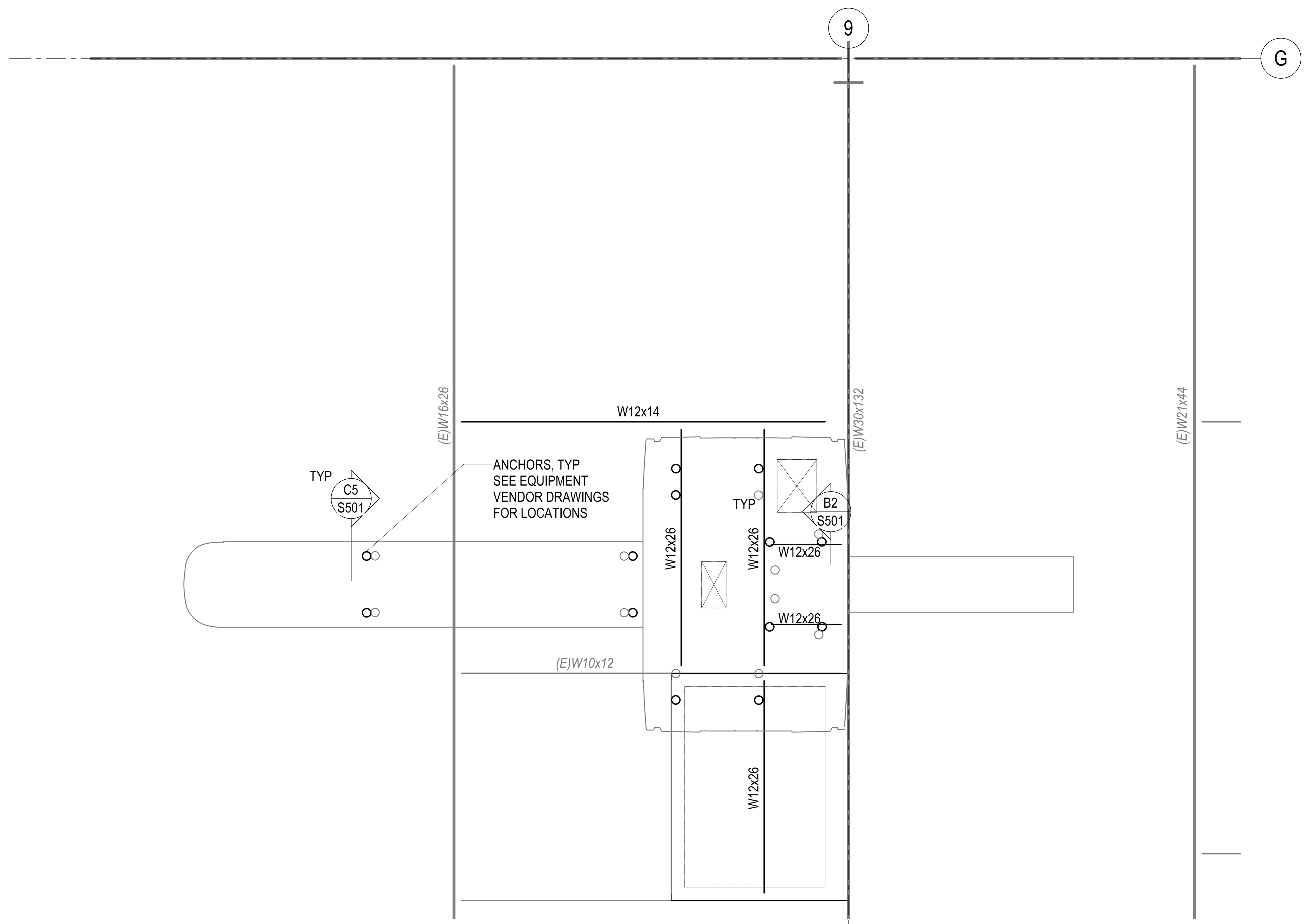


NOTE: THE EQUIPMENT VENDOR (GE) RECOMMENDS A FLOOR VIBRATION TEST BE CONDUCTED TO VERIFY FLOOR VIBRATIONS FROM STEADY STATE VIBRATION SOURCES ARE WITHIN ACCEPTABLE LIMITS.

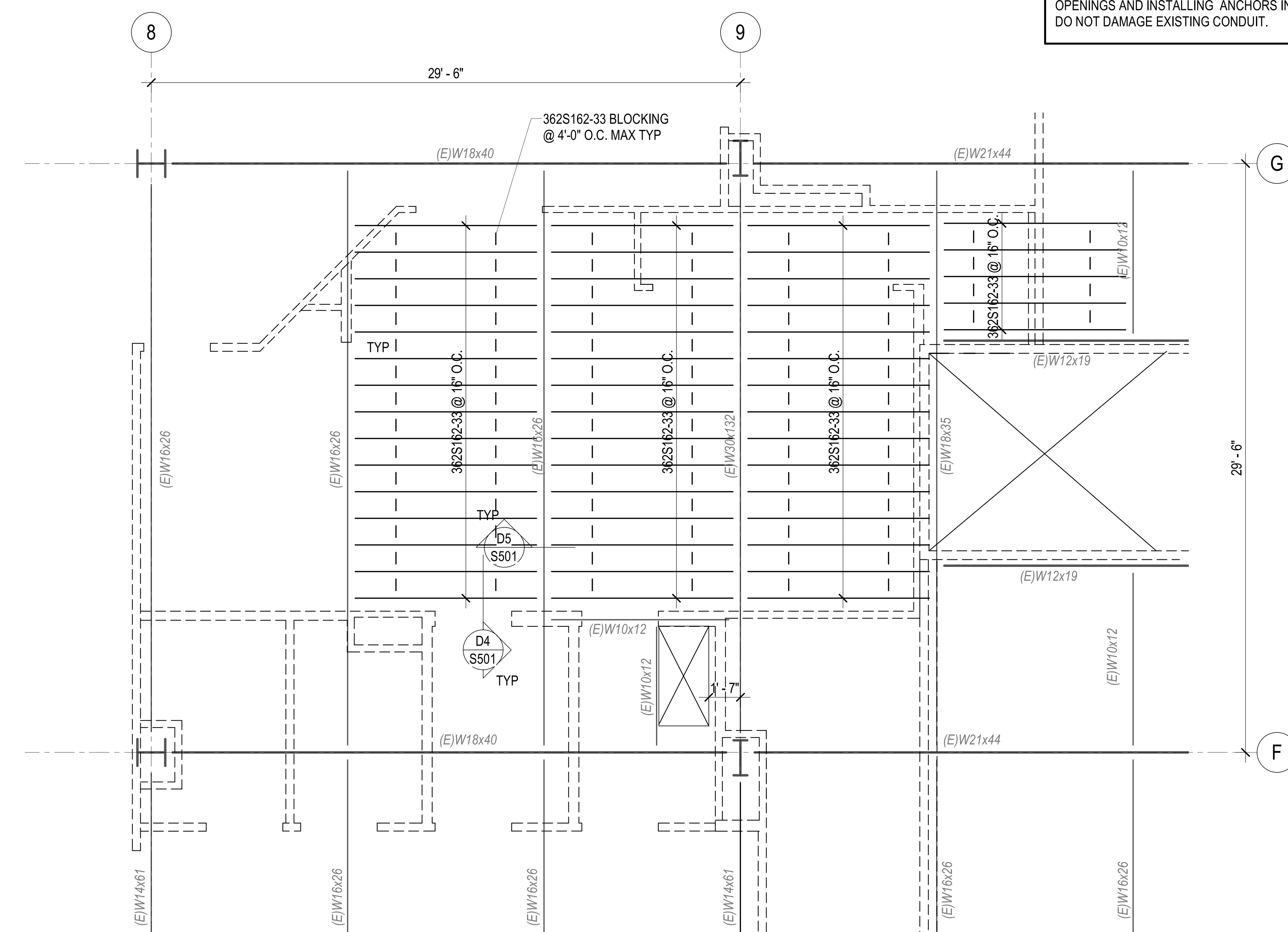
C1 / S101 FLOOR FRAMING LEVEL 3

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



A1 / S101 ANCHOR LOCATIONS PLAN

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



A3 / S101 FLOOR FRAMING LEVEL 4

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

PLAN NOTES

1. REFER S001 AND S002 SERIES FOR GENERAL NOTES AND TYPICAL DETAILS.

2. SEE THE STEEL DECK SHEDULE ON SHEET S502 FOR DECK PROFILE, ATTACHEMENT, CONCRETE FILL AND SLAB REINFORCEMENT REQUIREMENTS.

TYPICAL NOTES AT NEW RECESSES

1. EXISTING COMPOSITE STEEL BEAMS W/ 4" LONG HEADED STUD ANCHORS OCCUR UNDER NEW RECESSES. MINIMUM COVER OVER EXISTING HEADED STUDS IS 1/2". TOTAL SLAB THICKNESS IS 5.1/4" THEREFOR RECESS SHALL NOT EXCEED 3/4".

2. PROTECT CONCRETE OVER METAL DECK FROM DAMAGE DURING INSTALLATION OF RECESSES. CONCRETE AND METAL DECK ACT COMPOSITELY. SEVER DAMAGE TO THE BOND BETWEEN THE CONCRETE AND METAL DECK WILL OCCUR IF EXCESSIVE VIBRATION OR IMPACT IS USED. DO NOT USE CHIPPING HAMMERS OR OTHER TOOLS THAT COULD CAUSE THE CONCRETE TO CRACK THROUGH OR DAMAGE THE BOND BETWEEN THE CONCRETE AND METAL DECK.

3. DO NOT OVER CUT RECESSES.

EXISTING BUILDING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.

3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING STRUCTURE PRIOR TO SAW CUTTING OPENING. DO NOT DAMAGE EXISTING STRUCTURAL COMPONENTS.

4. THE CONTRACTOR SHALL SCAN THE CONCRETE SLAB USING GROUND PENETRATING RADAR AND LOCATE EXISTING CONDUIT PRIOR TO SAW CUTTING OPENINGS AND INSTALLING ANCHORS IN THE SLAB. DO NOT DAMAGE EXISTING CONDUIT.

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MEDICAL EQUIPMENT SUPPORT FRAMING PLAN

S101

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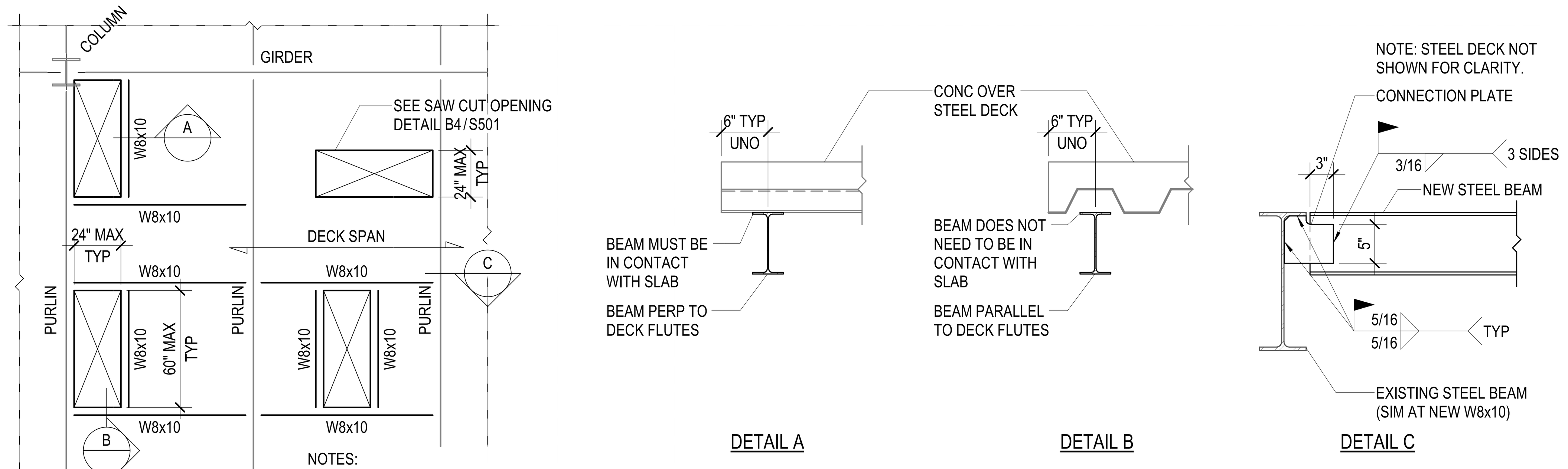
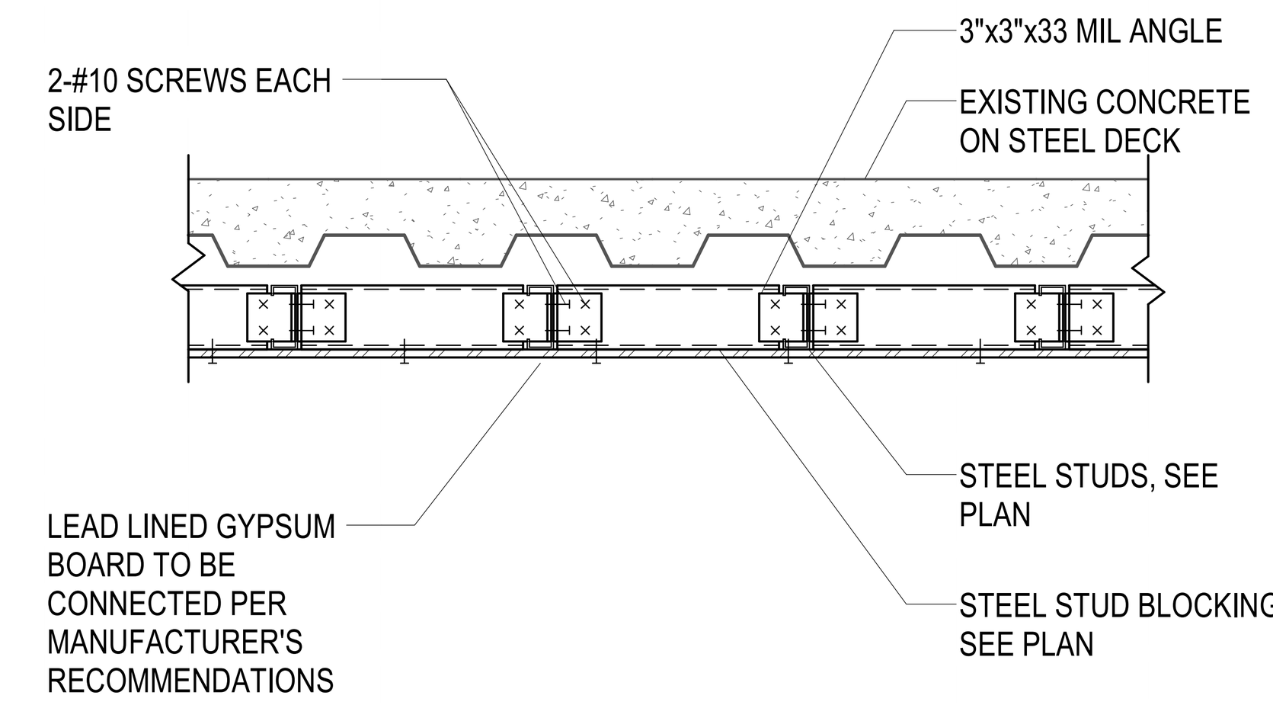
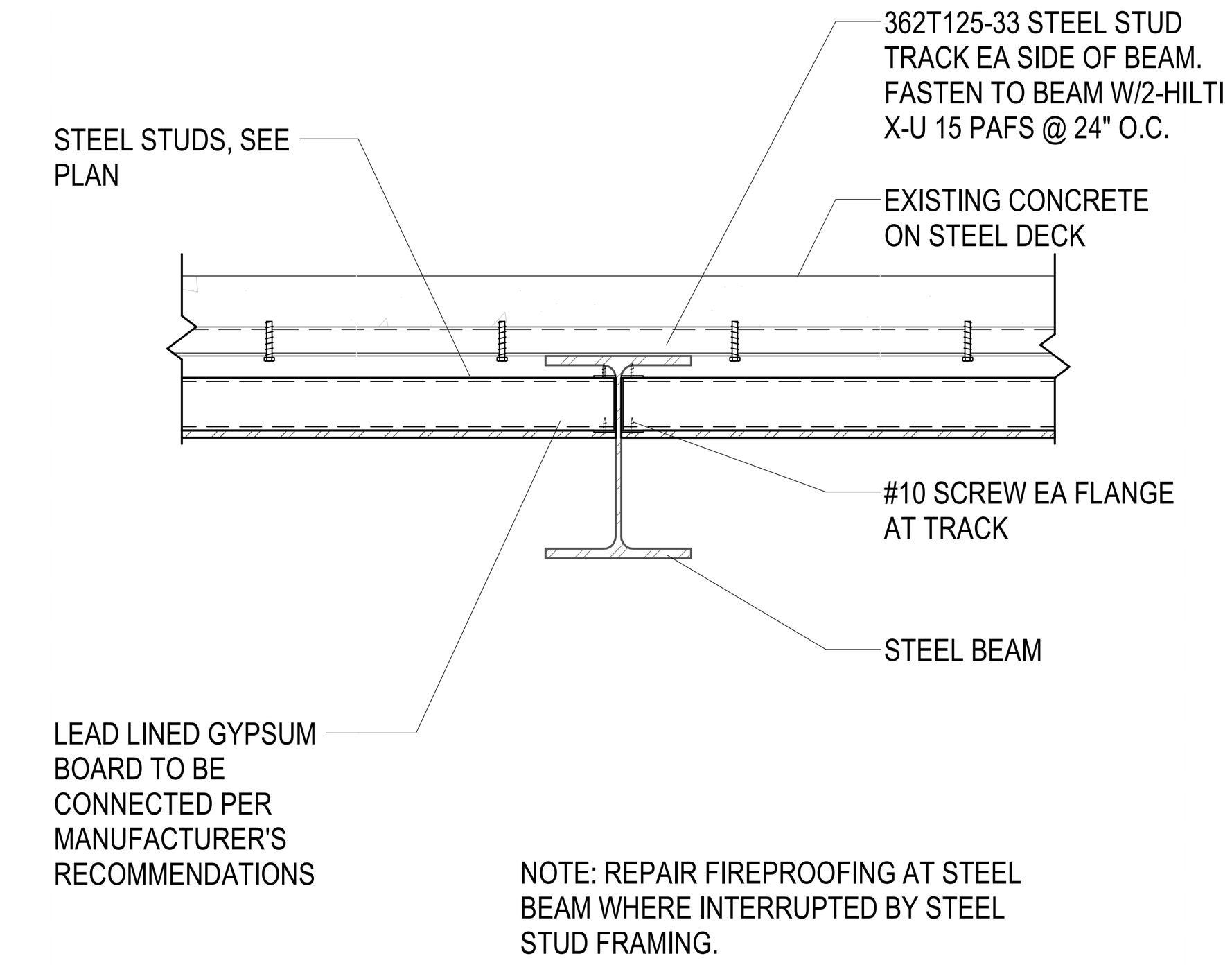

COLUMN
GIRDER
SEE SAW CUT OPENING DETAIL B4/S501
W8x10
A
24" MAX TYP
DECK SPAN
C
PURLIN
60" MAX TYP
B
NOTES:
1. ALL 4 SIDES OF OPENING SHALL BE FRAMED BY AN EXISTING BEAM OR A NEW W8x10.
6" TYP UNO
BEAM MUST BE IN CONTACT WITH SLAB
BEAM PERP TO DECK FLUTES
DETAIL A
CONC OVER STEEL DECK
BEAM DOES NOT NEED TO BE IN CONTACT WITH SLAB
BEAM PARALLEL TO DECK FLUTES
DETAIL B
NOTE: STEEL DECK NOT SHOWN FOR CLARITY.
CONNECTION PLATE
3"
3/16
3 SIDES
NEW STEEL BEAM
5"
5/16
5/16
TYP
EXISTING STEEL BEAM (SIM AT NEW W8x10)
DETAIL C

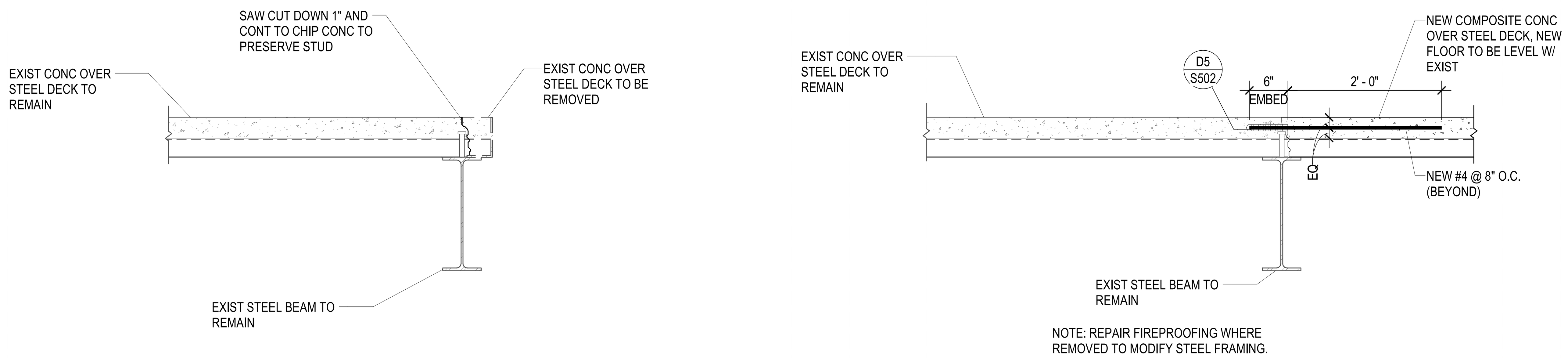
D1 / S501 ADDITIONAL FRAMING FOR MISC DECK PENETRATIONS - POST INSTALLED
NO SCALE



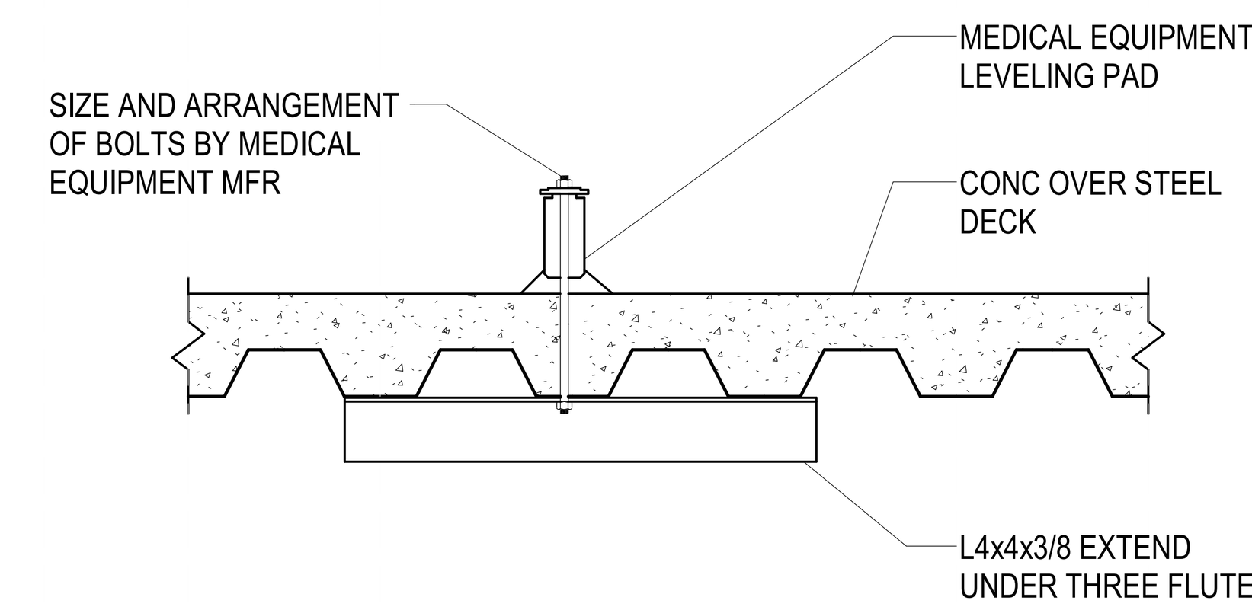
D4 / S501 TYPICAL BLOCKING CONNECTION
NO SCALE


STEEL STUDS, SEE PLAN
362T125-33 STEEL STUD TRACK EA SIDE OF BEAM. FASTEN TO BEAM W/2-HILTI X-U 15 PAFS @ 24" O.C.
EXISTING CONCRETE ON STEEL DECK
#10 SCREW EA FLANGE AT TRACK
STEEL BEAM
LEAD LINED GYPSUM BOARD TO BE CONNECTED PER MANUFACTURER'S RECOMMENDATIONS
NOTE: REPAIR FIREPROOFING AT STEEL BEAM WHERE INTERRUPTED BY STEEL STUD FRAMING.

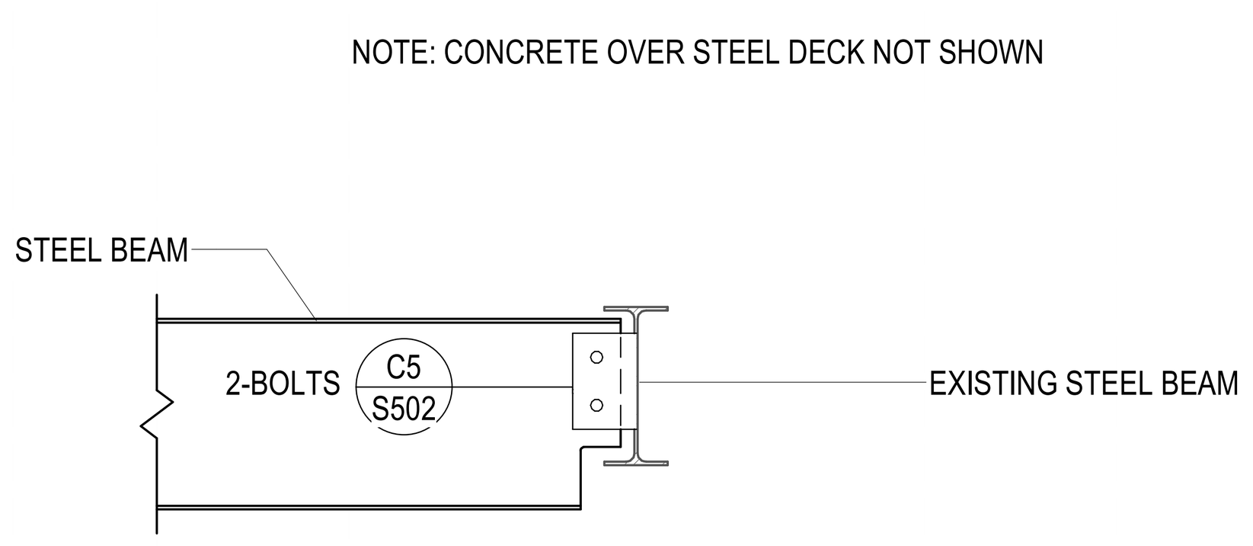
D5 / S501 SHIELDING FOR PET CT SCAN ROOM
NO SCALE


SAW CUT DOWN 1" AND CONT TO CHIP CONC TO PRESERVE STUD
EXIST CONC OVER STEEL DECK TO REMAIN
EXIST CONC OVER STEEL DECK TO BE REMOVED
EXIST STEEL BEAM TO REMAIN
EXIST CONC OVER STEEL DECK TO REMAIN
D5 S502
6" EMBED
2' - 0"
NEW COMPOSITE CONC OVER STEEL DECK, NEW FLOOR TO BE LEVEL W/ EXIST
EQ
NEW #4 @ 8" O.C. (BEYOND)
EXIST STEEL BEAM TO REMAIN
NOTE: REPAIR FIREPROOFING WHERE REMOVED TO MODIFY STEEL FRAMING.

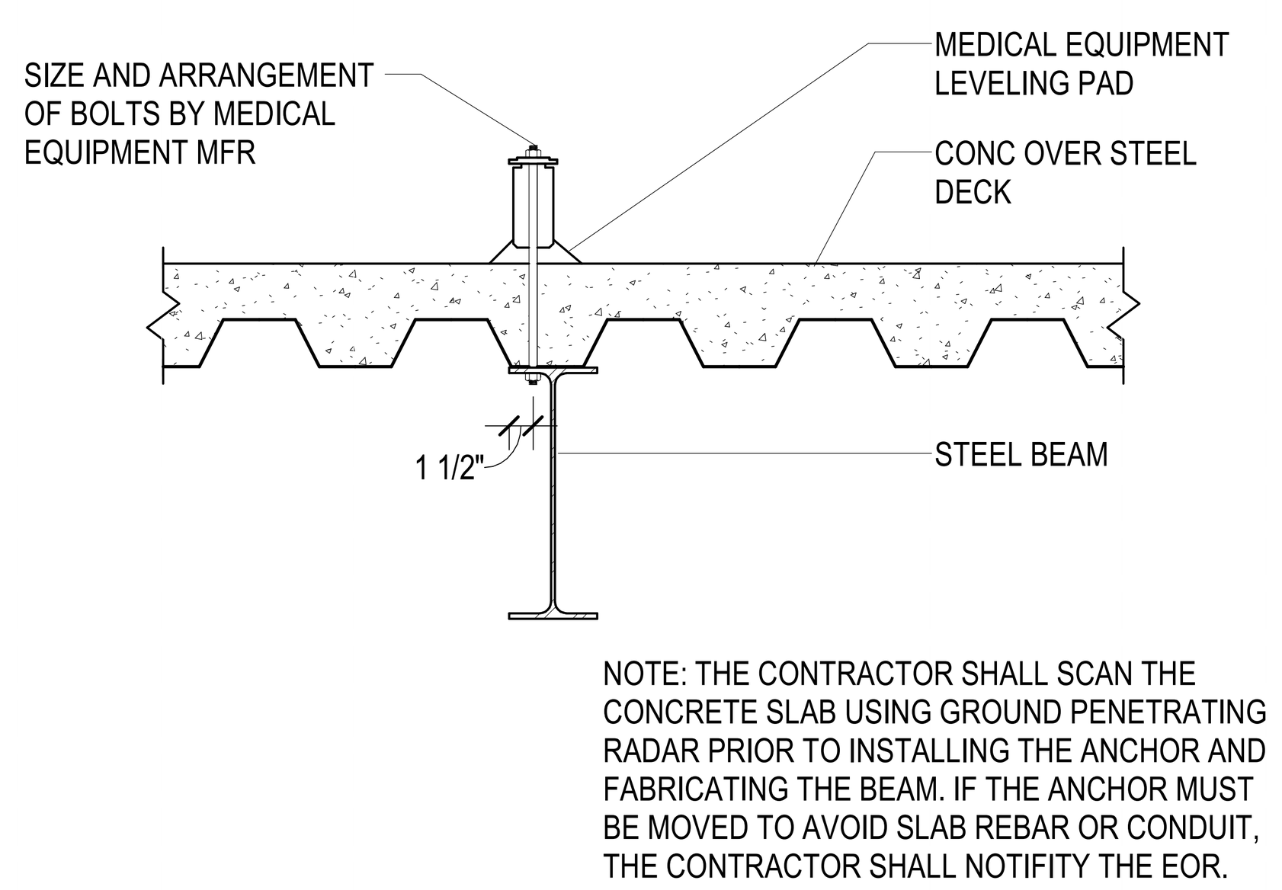
C3 / S501 DECK EDGE DEMO AND REPLACEMENT DETAIL
NO SCALE



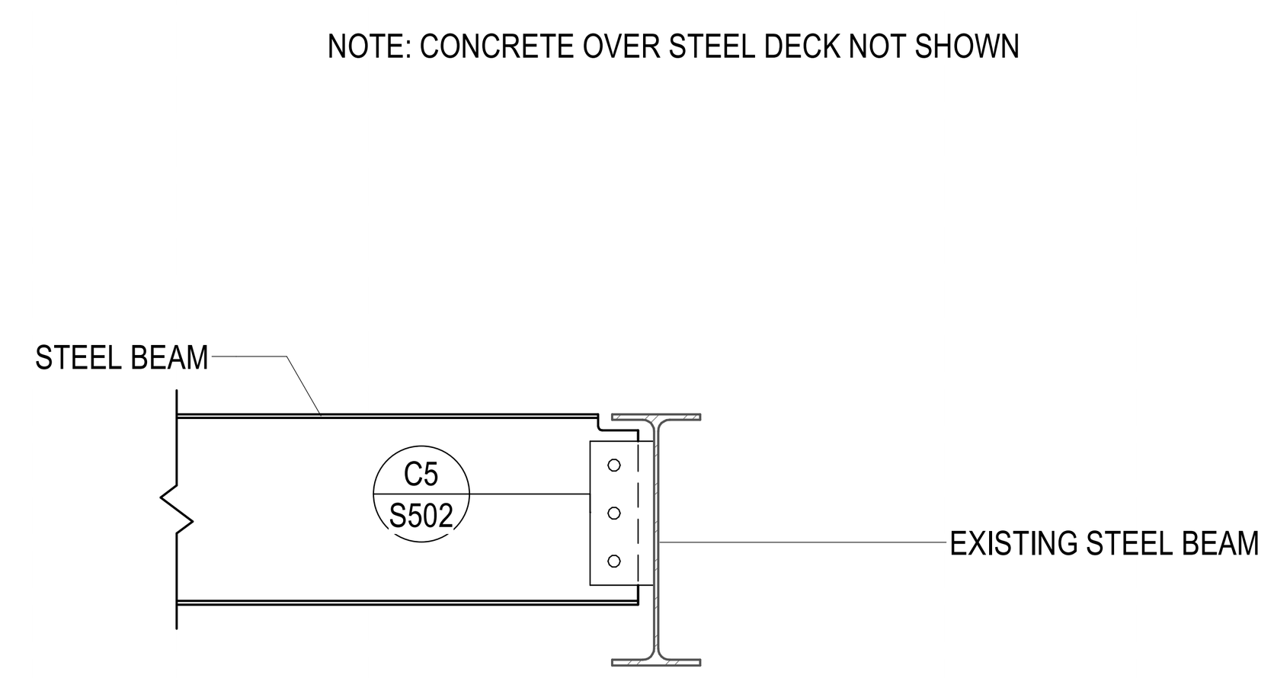
C5 / S501 EQUIPMENT ANCHORAGE TO CONCRETE OVER METAL DECK
NO SCALE



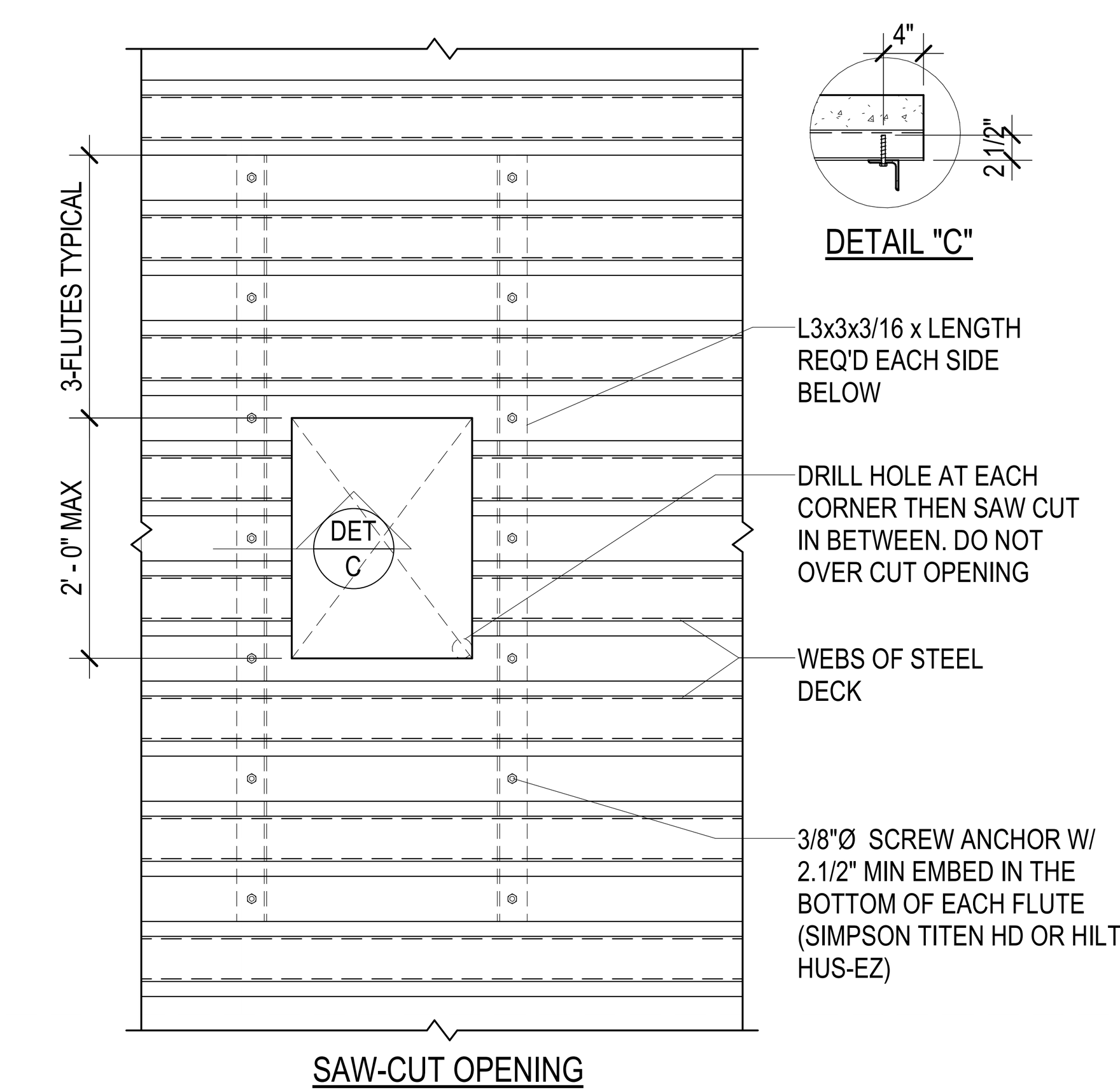
B1 / S501 TYPICAL BEAM TO BEAM CONNECTION
NO SCALE


SIZE AND ARRANGEMENT OF BOLTS BY MEDICAL EQUIPMENT MFR
MEDICAL EQUIPMENT LEVELING PAD
CONC OVER STEEL DECK
1 1/2"
STEEL BEAM
NOTE: THE CONTRACTOR SHALL SCAN THE CONCRETE SLAB USING GROUND PENETRATING RADAR PRIOR TO INSTALLING THE ANCHOR AND FABRICATING THE BEAM. IF THE ANCHOR MUST BE MOVED TO AVOID SLAB REBAR OR CONDUIT, THE CONTRACTOR SHALL NOTIFITY THE EOR.

B2 / S501 EQUIPMENT ANCHORAGE TO CONCRETE OVER METAL DECK
NO SCALE



B3 / S501 TYPICAL BEAM TO BEAM CONNECTION
NO SCALE


3-FLUTES TYPICAL
2' - 0" MAX
DET C
4"
2 1/2"
DETAIL "C"
L3x3x3/16 x LENGTH REQ'D EACH SIDE BELOW
DRILL HOLE AT EACH CORNER THEN SAW CUT IN BETWEEN. DO NOT OVER CUT OPENING
WEBS OF STEEL DECK
3/8"Ø SCREW ANCHOR W/ 2.1/2" MIN EMBED IN THE BOTTOM OF EACH FLUTE (SIMPSON TITEN HD OR HILTI HUS-EZ)
SAW-CUT OPENING

NOTES:
1. UNREINFORCED OPENINGS
A. OPENINGS UP TO 6"Ø DO NOT REQUIRE REINFORCING PROVIDED THEY ARE NOT SPACED LESS THAN 32" O.C.

2. SAW-CUT OPENINGS
A. SHIM GAPS BETWEEN ANGLE AND BOTTOM FLUTE.
B. INSTALL ANCHORS PER ICC REPORT.

3. GROUPED OPENINGS
A. OPENINGS SPACED CLOSER THAN THE MIN SPACING SHALL BE REINFORCED AS A SINGLE OPENING.
B. THE SIZE OF OPENINGS MEASURED PARALLEL TO THE DECK FLUTES IS NOT LIMITED.

4. OPENINGS LARGER THAN ALLOWED ON THESE DETAILS REQUIRE A FRAME. CONTACT ENGINEER IF FRAME IS NOT PROVIDED ON THE PLAN.

B4 / S501 TYPICAL MISCELLANEOUS FLOOR OPENING (UP TO 24") REINFORCING DETAIL FOR COMPOSITE STEEL DECK
NO SCALE

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STRUCTURAL FRAMING DETAILS

S501

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STEEL DECK SCHEDULE

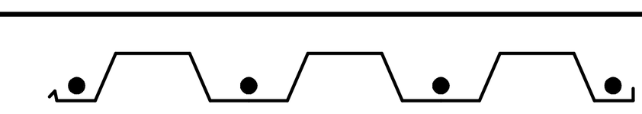
MARK	STEEL DECK				CONCRETE FILL			STEEL DECK ATTACHMENT	MIN. ALLOWABLE SHEAR CAPACITY	NOTES
	PROFILE	MIN I (in⁴/ft)	MIN S (in³/ft)	FINISH	THICKNESS (t)	TYPE	REINFORCEMENT			
SD-1	TYPE W2 2" DEEP x 18 GA	0.564	0.471	GALANIZED (G90)	MATCH EXISTING	LIGHT WEIGHT	6x6-W6.0xW6.0 WWF	SDA-1	350 PLF @ 10'-0"	-

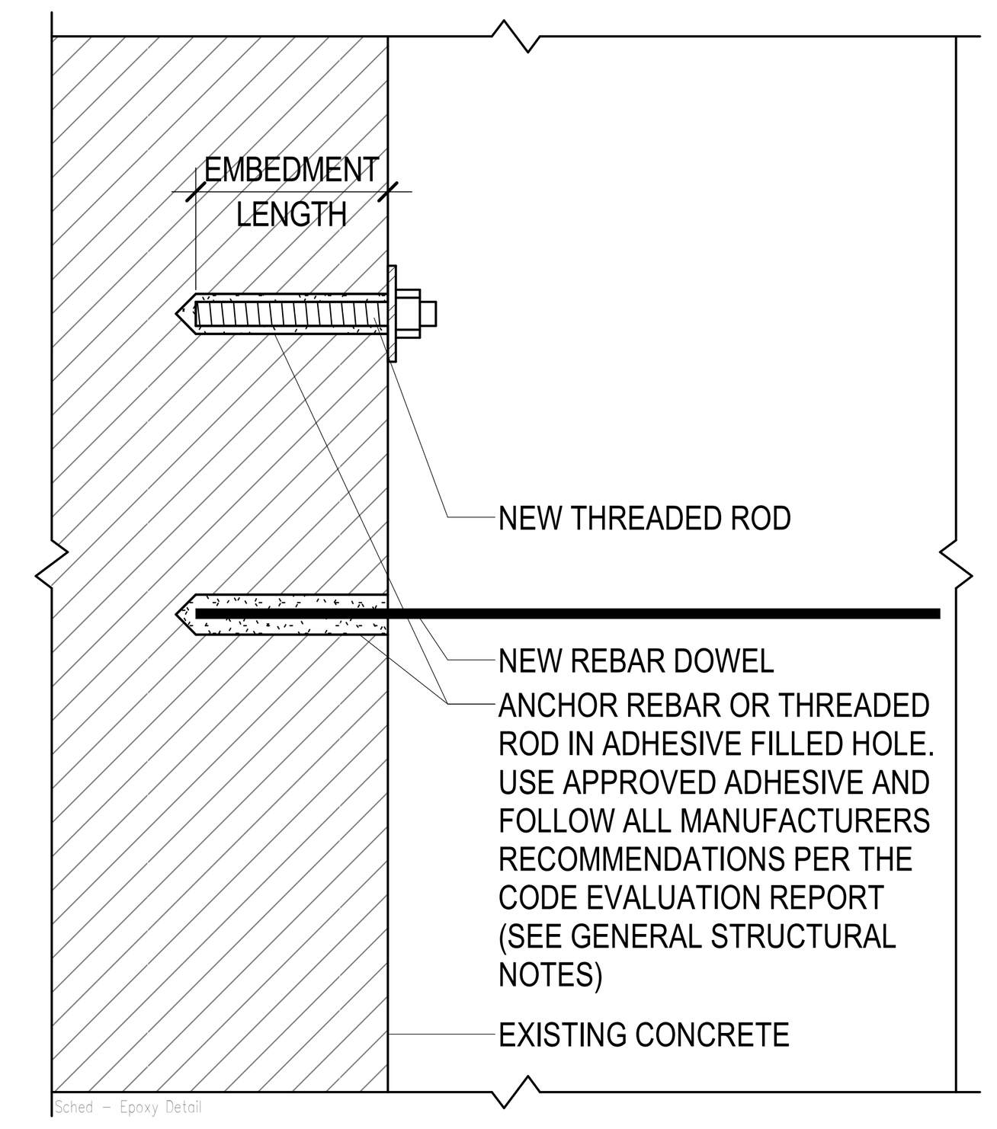
NOTES:
1. STEEL DECK SHALL COMPLY WITH LATEST REQUIREMENTS OF THE STEEL DECK INSTITUTE (SDI).
2. SUBMIT CURRENT CODE EVALUATION REPORT (ICC OR IAPMO) WITH LOAD AND LATERAL SHEAR CAPACITIES WITH SHOP DRAWINGS.
3. ALL DECK SHALL BE 3-SPAN CONTINUOUS MINIMUM WHERE POSSIBLE. IN AREAS WHERE 3-SPAN CONDITIONS ARE NOT POSSIBLE THE CONTRACTOR SHALL VERIFY UN-SHORED DECK IS PERMITTED BY THE DECK MANUFACTURER FOR THE SPAN CONDITION, SPAN LENGTH, AND DECK GAUGE. WHERE DECK DOES NOT MEET THE REQUIREMENTS FOR UN-SHORED DECK, THE CONTRACTOR SHALL EITHER PROVIDE HEAVIER GAUGE DECK TO ALLOW FOR UN-SHORED DECK OR PROVIDE SHORING.
4. STEEL DECK WITHOUT CONCRETE FILL SHALL NOT BE USED TO SUPPORT LOADS FROM PLUMBING, HVAC DUCTS, LIGHT FIXTURES, ARCHITECTURAL ELEMENTS OR EQUIPMENT OF ANY KIND, UNLESS SPECIFICALLY NOTED OTHERWISE. LIGHTWEIGHT SUSPENDED ACOUSTICAL CEILINGS WITH A TOTAL WEIGHT PER WIRE NOT EXCEEDING 50# MAY BE HUNG FROM THE STEEL ROOF DECK. THE HANGERS SHOULD BE STAGGERED TO DISTRIBUTE THE LOAD OVER MULTIPLE DECK FLUTES.
5. DECK SHALL HAVE 2" MINIMUM BEARING ON ALL SUPPORTING MEMBERS (MEMBERS PERPENDICULAR TO DECK) UNO. DECKS SHALL HAVE 1.1/2" MINIMUM BEARING AT PARALLEL MEMBERS.
6. DO NOT EMBED CONDUITS OR PIPES IN CONCRETE FILL OVER STEEL DECKS WITHOUT APPROVAL OF STRUCTURAL ENGINEER.
7. PROVIDE GALVANIZED STEEL DECK ABOVE & BELOW MECHANICAL ROOMS.

STEEL DECK ATTACHMENT SCHEDULE

MARK	WELDED			MECHANICAL		
	SUPPORTS	PARALLEL	SIDE LAP	SUPPORTS	PARALLEL	SIDE LAP
SDA-1	PW @ 36/4	PW @ 12" O.C.	3/16" BP @ 18" O.C.	-	-	-

NOTES:
1. PW = PUDDLE WELD - 1/2" EFFECTIVE DIAMETER ARC SPOT WELD AT INTERIOR FLUTES, 1" X 3/8" EFFECTIVE ARC SEAM WELD AT SUPPORTS ADJACENT TO SIDELAP.
2. TSW = TOP SEAM WELD - 1.1/2" LONG TOP SEAM WELDS BETWEEN ADJACENT PIECES OF DECKING. CRIMP SIDE SEAMS BEFORE WELDING INTERLOCKING SEAMS.
3. BP = BUTTON PUNCH - 3/16" BUTTON PUNCH BETWEEN ADJACENT PIECES OF DECK. CRIMP SEAMS BEFORE BUTTON PUNCHING INTERLOCKING SEAMS.
4. PAF = POWDER ACTUATED FASTENER -
HILTI X-HSN 24 AT SUPPORTS 3/16" THROUGH 3/8" THICK
HILTI X-ENP-19 L15 AT SUPPORTS 1/4" THICK AND GREATER
PNEUTEK SDK61075 AT SUPPORTS 0.113" THROUGH 0.155" THICK
PNEUTEK SDK63075 AT SUPPORTS 0.155" THROUGH 0.250" THICK
PNEUTEK K64062 AT SUPPORTS 0.187" THROUGH 0.312" THICK
PNEUTEK K66062 OR K66075 AT SUPPORTS 0.281" THICK AND GREATER
5. SDS = SELF DRILLING SCREW. WHERE SIDELAPS HAVE SCREWED CONNECTION, THE DECK PROVIDED SHALL HAVE A SCREWABLE SIDE SEAM, UNO.
6. PSC = PROPRIETARY SIDELAP CONNECTION - VERCO SIDELAP CONNECTION 2 FOR VERCO PUNCHLOK II SYSTEM, ASC DELTA GRIP FOR ASC DECKS.
7. SPACING AT SUPPORTS IS NOTED AS (DECK PANEL WIDTH)/(ATTACHMENTS PER PANEL). FOR EXAMPLE: PW @ 36/4 INDICATES A 36" WIDE DECK SHEET WITH 4 PUDDLE WELDS AT EACH SUPPORT.
8. HEADED STUD ANCHORS WELDED THROUGH DECK WITH 1" MINIMUM COVER FROM EDGE OF DECK TO STUD CENTERLINE MAY BE SUBSTITUTED ONE FOR ONE FOR PW. ALIGN AND SECURE DECK IN POSITION BEFORE INSTALLING STUDS.
9. SEE PLANS AND SFRS SHEETS FOR ADDITIONAL FASTENERS REQUIRED AT MEMBERS DENOTED AS SFRS. OMIT ATTACHMENTS WHERE DENOTED AS PROTECTED ZONES IN SFRS.
10. ALL WELDED SURFACES SHALL BE DRY BEFORE WELDING DECK OR STUDS TO SUPPORTS.
11. ALIGN AND SECURE DECK IN POSITION BEFORE WELDING OR INSTALLING FASTENERS OR STUDS.
12. ALTERNATE MEANS OF DECK ATTACHMENT ARE PERMITTED WITH APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE PROPOSED ATTACHMENT SYSTEM AND THE CODE EVALUATION REPORT DEMONSTRATING THE SYSTEM HAS THE STRENGTH TO MEET THE SPECIFIED DECK SHEAR. IF THE ALTERNATE METHOD IS APPROVED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE DECK TYPE AND PROFILE IS COMPATIBLE WITH THE FASTENING SYSTEM.

W DECK 36/4


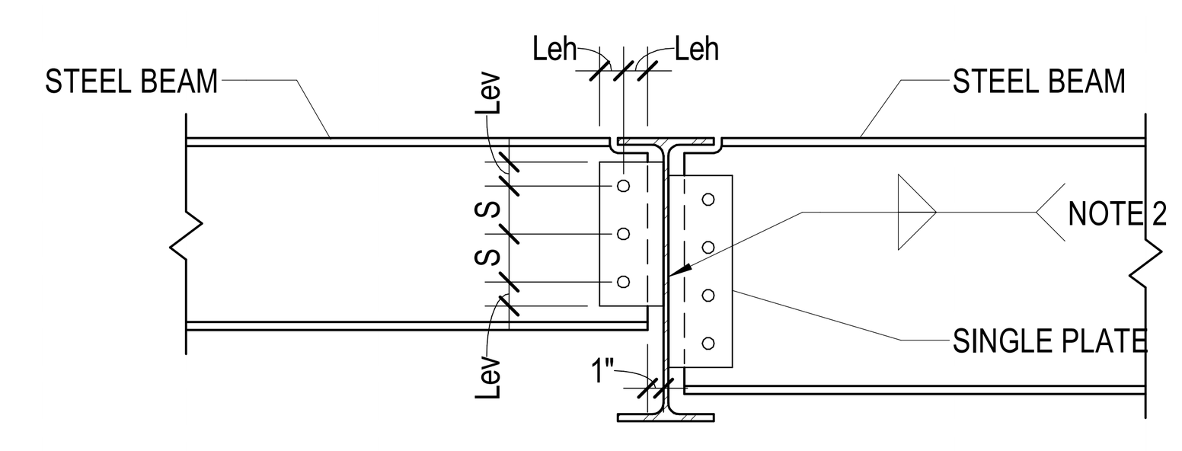


ADHESIVE ANCHORS IN CONCRETE SCHEDULE

REINFORCING BAR		THREADED ROD	
DOWEL SIZE	EMBEDMENT LENGTH (SEE NOTE #2)	SIZE	EMBEDMENT LENGTH (SEE NOTE #2)
#3	4"	3/8"Ø	4 1/2"
#4	6"	1/2"Ø	6"
#5	9"	5/8"Ø	7 1/2"
#6	10"	3/4"Ø	9"

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

D5 / S502 ADHESIVE ANCHORS IN CONCRETE SCHEDULE
NO SCALE



BEAM TO BEAM CONNECTION

SINGLE PLATE CONNECTION SCHEDULE

BEAM SIZE	WEB PLATE THICKNESS (t)	A325N BOLTS	
		NUMBER	SIZE
W8	3/8"	2	7/8"Ø
W12	3/8"	3	7/8"Ø

NOTES:
1. FILLET WELDS ONE SIDE SHALL EQUAL THE PLATE THICKNESS MINUS 1/16" (1/4" MIN.)
2. FILLET WELDS TWO SIDES SHALL BE 5/8 THE PLATE THICKNESS (1/4" MIN.) EACH SIDE
3. BOLT EDGE DISTANCE SHALL BE AS FOLLOWS: Leh = 2 x BOLT DIAMETER; Lev = 1.1/2".
4. BOLT SPACING (S) SHALL BE 3".

C5 / S502 TYPICAL SINGLE PLATE CONNECTION DETAILS AND SCHEDULE
NO SCALE

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STRUCTURAL SCHEDULES

S502

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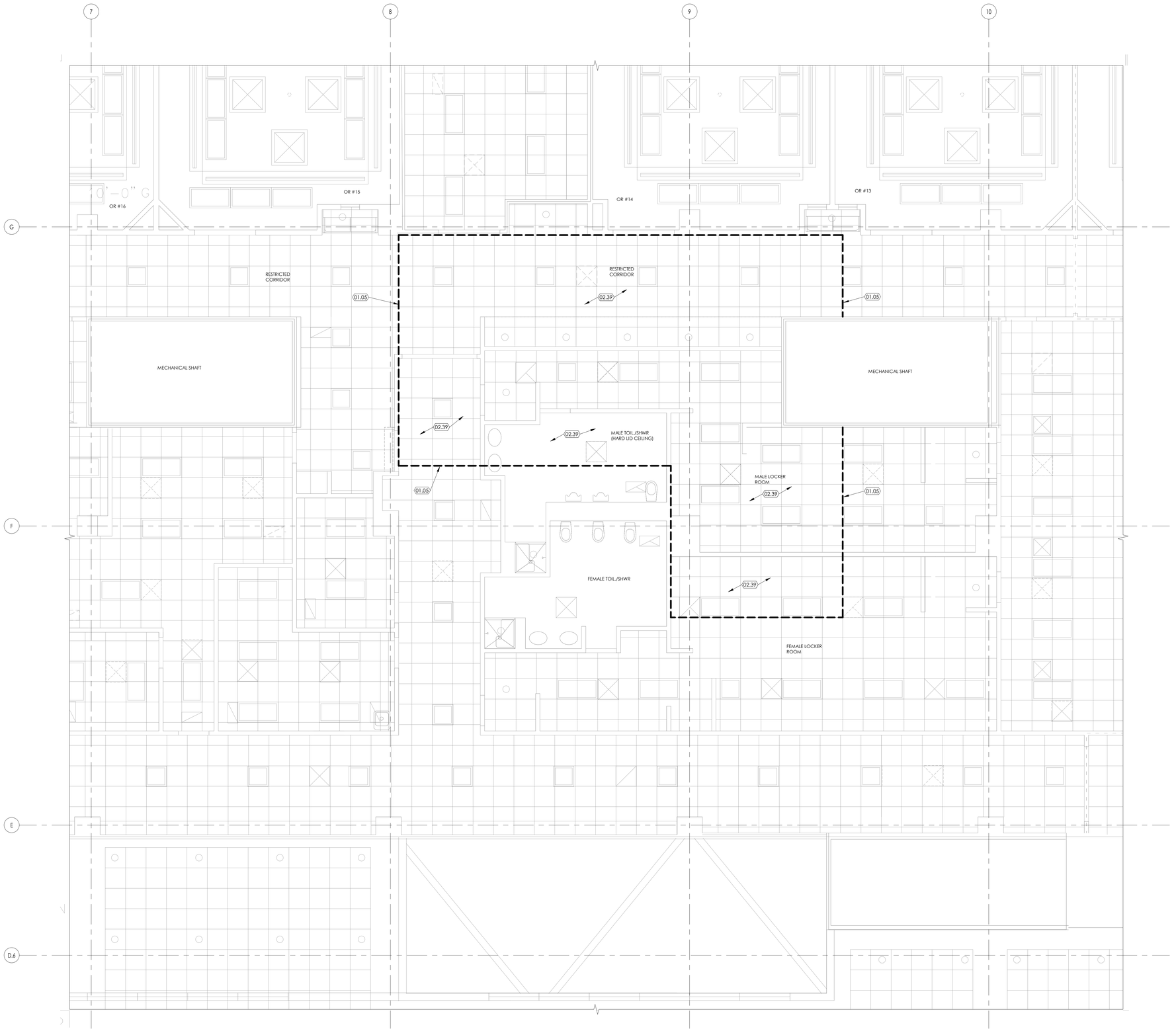

1 Reflected Ceiling Plan Level 2
SCALE: 1/4" = 1'-0"

KEYED NOTES

01.05 DASHED LINE INDICATES FLOOR TO CEILING FIRE RETARDANT VISQUEEN BARRIER (10 MILS MINIMUM THICKNESS) TO PREVENT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS OCCUPIED BY THE OWNER FROM FUMES AND NOISE. CONSTRUCTION BARRIER TYPE AND EXTENT TO BE DETERMINED BY OWNER AND COORDINATED TO MAINTAIN ACCESSIBILITY , TAPE & SEAL ALL JOINTS AND OPENINGS. SEAL JOINTS AT PERIMETER. PARTITION TO BE EQUIPPED WITH STICKY MATS ON BOTH SIDES OF DOOR/OPENING. COORDINATE WITH OWNER FOR EXACT LOCATION OF CONSTRUCTION BARRIER AS WELL AS TIMING AND ACCESS RESTRICTIONS. CONSTRUCTION IN THIS AREA MAY HAVE TO BE DONE AFTER HOURS OR WEEKENDS.

02.39 REMOVE CEILING INCLUDING CEILING TILES, GRID AND CEILING MOUNTED ITEMS (LIGHTS, DIFFUSERS, ETC.) FOR ANY ABOVE CEILING M/E/P WORK. CAREFULLY REMOVE AND SALVAGE CEILING MOUNTED ITEMS FOR REINSTALLATION IN SAME LOCATION UNLESS NOTED OTHERWISE ON M/E/P DRAWINGS. REPLACE CEILING TILES AND GRIDS WITH NEW CEILING TILES AND GRIDS TO MATCH EXISTING. FOR GYPSUM BOARD CEILINGS REPAIR AND PATCH AREAS REMOVED OR DAMAGED FOR M/E/P WORK. SEE DETAILS ON SHEET A503A, AND FINISH WITH EPOXY PAINT TO MATCH ADJACENT EXISTING.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A136 FOR FINISH SCHEDULE.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A601A FOR WINDOW SCHEDULE.

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06/28/21

Intermountain Healthcare
McKay-Dee Hospital
PET/CT Remodel
4401 Harrison Blvd
Ogden, Utah 84403

NJRA Project # 18216.00
Construction Documents June 28, 2021

Demolition Ceiling Plan Level 2

A122

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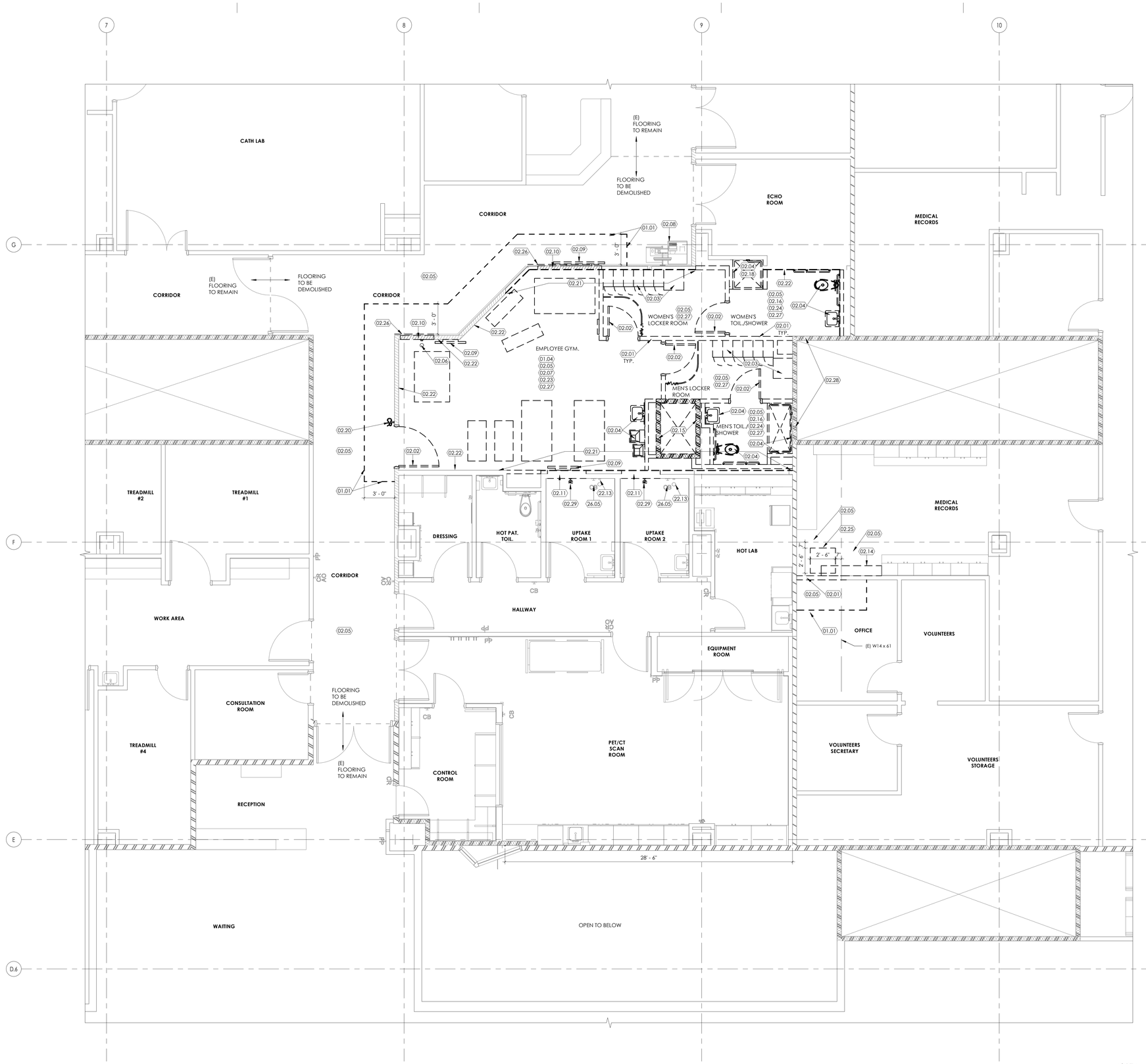

1 Demolition Plan - Level 3
SCALE: 1/4" = 1'-0"

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 BE ERECTED WITH 3 5/8" 20 GA. MTL. STUDS @ 16" O.C. FRAMING WITH 5/8" TYPE 'X' GYPSUM BOARD ON BOTH SIDES. TAPE & SEAL ALL JOINTS AND OPENINGS. SEAL JOINTS AT PERIMETER. PAINT WALL ON EXISTING CORRIDOR SIDE. 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.

01.04 FLOOR SLAB HAS ELECTRICAL CONDUITS RUNNING IN THE CONCRETE SLAB. GENERAL CONTRACTOR TO X-RAY FLOOR AT EACH PENETRATION THROUGH THE FLOOR SLAB FOR ALL M/E/P AND STRUCTURAL ITEMS AS WELL AS FOR ANCHORS REQUIRED TO ANCHOR ALL GE EQUIPMENT. THIS HAS TO BE DONE FOR THE ENTIRE PROJECT AND JUST NOT THE SCAN ROOM ONLY.

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

02.02 REMOVE EXISTING DOOR, HARDWARE AND FRAME.

02.03 REMOVE EXISTING CASEWORK INCLUDING BASE CABINETS, UPPER/WALL CABINETS, FULL HEIGHT CABINETS, P-LAM LOCKERS, COUNTERTOPS, CLOSER PANEL, SLOPED DUST TOP, ETC.

02.04 REMOVE PLUMBING FIXTURES AND ACCESSORIES, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

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

02.06 REMOVE EXISTING WALL MOUNTED MED GASES. SEE PLUMBING DRAWINGS.

02.07 CAREFULLY REMOVE ALL FLOOR AND WALL MOUNTED EXERCISE EQUIPMENT. SALVAGE AND RETURN TO OWNER, NOT ALL EQUIPMENT SHOWN FOR CLARITY. PLEASE FIELD VERIFY.

02.08 EXISTING ADM (AUTOMATIC MEDICATION DISPENSER), REFRIGERATOR, DRINKING WATER COOLER TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.

02.09 REMOVE WALL MOUNTED MONITOR/TV, SALVAGE AND RETURN TO OWNER.

02.10 REMOVE WALL FOR NEW DOOR OPENING. SEE KEYED NOTES 2.01 FOR WALL DEMOLITION. VERIFY ROUGH OPENING NEEDED WITH DOOR SCHEDULE.

02.11 REMOVE WALL FOR NEW DOOR OPENING. SEE KEYED NOTES 2.01 FOR WALL DEMOLITION. VERIFY ROUGH OPENING NEEDED WITH DOOR SCHEDULE. THIS WALL IS A DOUBLE WALL WITH 16 LB LEAD SHIELDING ANCHORED TO PLYWOOD. CAREFULLY CUT SHIELDING AND PLYWOOD FOR NEW DOOR OPENING. MAINTAIN INTEGRITY OF LEAD SHIELDED WALL.

02.14 REMOVE AND STORE CASEWORK CUBBIES. MODIFY AND RE-INSTALL TO FIT TIGHT AFTER SHAFT WALL IS IN PLACE.

02.15 REMOVE EXISTING SHAFT AND DUCTWORK. FILL IN EXISTING OPENING WITH METAL DECK AND CONCRETE. SEE MECHANICAL AND STRUCTURAL DRAWINGS. ALL NEW BEAMS TO HAVE 2-HR RATED APPLIED FIREPROOFING.

02.16 REMOVE ALL TOILET FIXTURES AND ACCESSORIES INCLUDING BUT NOT LIMITED TO GRAB BARS, MIRRORS, SHOWER CURTAIN AND TRACK, DISPENSERS, WALL MOUNTED SHELVES, ART WORK, ETC.

02.18 REMOVE EXISTING SHOWER ENCLOSURE AND ALL ACCESSORIES.

02.20 REMOVE CARD ACCESS, SALVAGE AND RETURN TO OWNER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

02.21 REMOVE GYPSUM BOARD ON THIS SIDE OF THE WALL FROM FINISHED FLOOR TO DECK ABOVE. INSTALL NEW 3-5/8", 16 GA STUDS AT 16" O.C. ATTACH TO EACH EXISTING STUD. SEE DETAILS ON SHEET A137.

02.22 REMOVE GYPSUM BOARD ON THIS SIDE OF THE WALL FROM FINISHED FLOOR TO DECK ABOVE. REPLACE WITH NEW 5/8" THICK, TYPE 'X' GYPSUM BOARD AFTER ALL IN-WALL M/E/P WORK IS COMPLETE.

02.23 REMOVE LAY-IN CEILING TILES AND GRIDS IN FLOOR BELOW (MEN'S LOCKER ROOM AND STERILE CORRIDOR) TO INSTALL NEW BEAMS AND BELOW FLOOR CONDUITS. REPLACE WITH NEW CEILING TILES AND GRIDS TO MATCH EXISTING. APPROXIMATE AREA OF CEILING TO BE REPLACED IS 900 SF. SOME OF THE EXISTING DUCTWORK MAY HAVE TO BE REMOVED AND REINSTALLED TO INSTALL THE NEW BEAMS. PLEASE FIELD VERIFY, SEE SHEET A122. COORDINATE AND BID ACCORDINGLY.

02.24 REMOVE WALL TILES, FLOOR TO CEILING CEMENT/GYPSUM BOARD AND ALL IN-WALL INSULATION, REPLACE CEMENT BOARD WITH NEW 5/8" THICK, TYPE X GYPSUM BOARD.

02.25 NEW LOCATION OF SHAFT. SAW CUT EXISTING SUSPENDED SLAB AND METAL DECK FOR LOCATION OF NEW SHAFT. OPENING DIMENSION TO BE 30" X 30" FOR THE 24" X 24" EXHAUST DUCT. SEE STRUCTURAL AND MECHANICAL DRAWINGS. X-RAY FLOOR BEFORE SAW CUTTING SLAB AS THERE MAY BE CONDUITS IN THE SLAB. ALL NEW BEAMS TO HAVE 2-HR RATED APPLIED FIREPROOFING.

02.26 REMOVE EXISTING DOUBLE CRASH RAILS IN CORRIDOR AS REQUIRED FOR NEW DOOR OPENING. MODIFY AND PROVIDE NEW TRIM PIECES TO STOP ON EITHER SIDE OF NEW DOOR OPENING.

02.27 SAW CUT AND CHIP OUT EXISTING SUSPENDED SLAB THROUGHOUT THE ENTIRE SCAN ROOM FOR A UNIFORM DEPTH OF 3/4". GRIND SMOOTH AND PREP FOR INSTALLATION OF LEAD. AFTER INSTALLING LEAD SHIELDING IN THE FLOOR, POUR SELF LEVELING CEMENTATIONS/EPOXY UNDERLAYMENT AND PREP FLOOR FOR NEW FINISHES. FLOOR LEVELNESS TO BE PER GE DRAWINGS.

02.28 MAINTAIN 2-HR FIRE RATING AT SHAFT WALL. PATCH ANY OPENINGS WITH GYPSUM BOARD TO MATCH ADJACENT EXISTING.

02.29 CAREFULLY REMOVE AND STORE NURSE CALL/PILLOW SPEAKER. REINSTALL IN NEW LOCATION SHOWN ON NEW FLOOR PLAN. SEE ELECTRICAL DRAWINGS.

22.13 EXISTING WALL MOUNTED MED GASES TO REMAIN. PROTECT DURING CONSTRUCTION.

26.05 EXISTING NURSE CALL/CODE BLUE TO REMAIN. PROTECT DURING CONSTRUCTION.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A136 FOR FINISH SCHEDULE.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A601A FOR WINDOW SCHEDULE.

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NJRA Project # 18216.00
Construction Documents June 28, 2021

Demolition Floor Plan Level 3

A131

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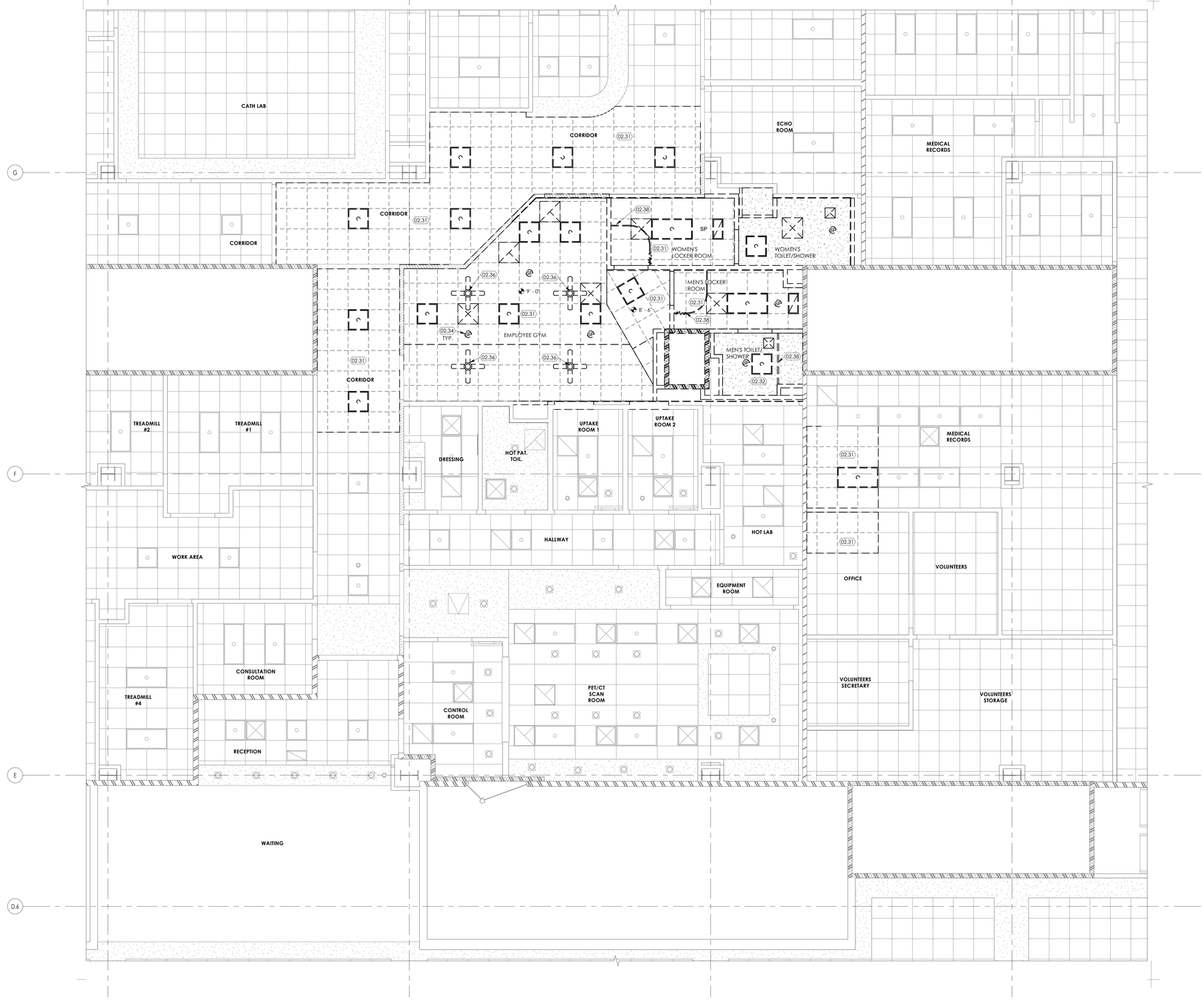

1 Demolition Reflected Ceiling Plan - Level 3

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

NORTH

KEYED NOTES

02.15 REMOVE EXISTING SHAFT AND DUCTWORK. FILL IN EXISTING OPENING WITH METAL DECK AND CONCRETE. SEE MECHANICAL AND STRUCTURAL DRAWINGS. ALL NEW BEAMS TO HAVE 2-HR RATED APPLIED FIREPROOFING.

02.18 REMOVE EXISTING SHOWER ENCLOSURE AND ALL ACCESSORIES.

02.31 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.

02.32 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.

02.34 CAREFULLY REMOVE ALL CEILING MOUNTED SPEAKERS. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION. SALVAGE AND RETURN TO OWNER.

02.36 REMOVE CEILING MOUNTED FANS. SALVAGE AND RETURN TO OWNER. ALSO SEE ELECTRICAL DRAWINGS.

02.38 REMOVE CEILING MOUNTED CURTAIN AND TRACK.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A136 FOR FINISH SCHEDULE.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A601A FOR WINDOW SCHEDULE.

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Construction Documents June 28, 2021

Demolition Ceiling Plan Level 3

A132

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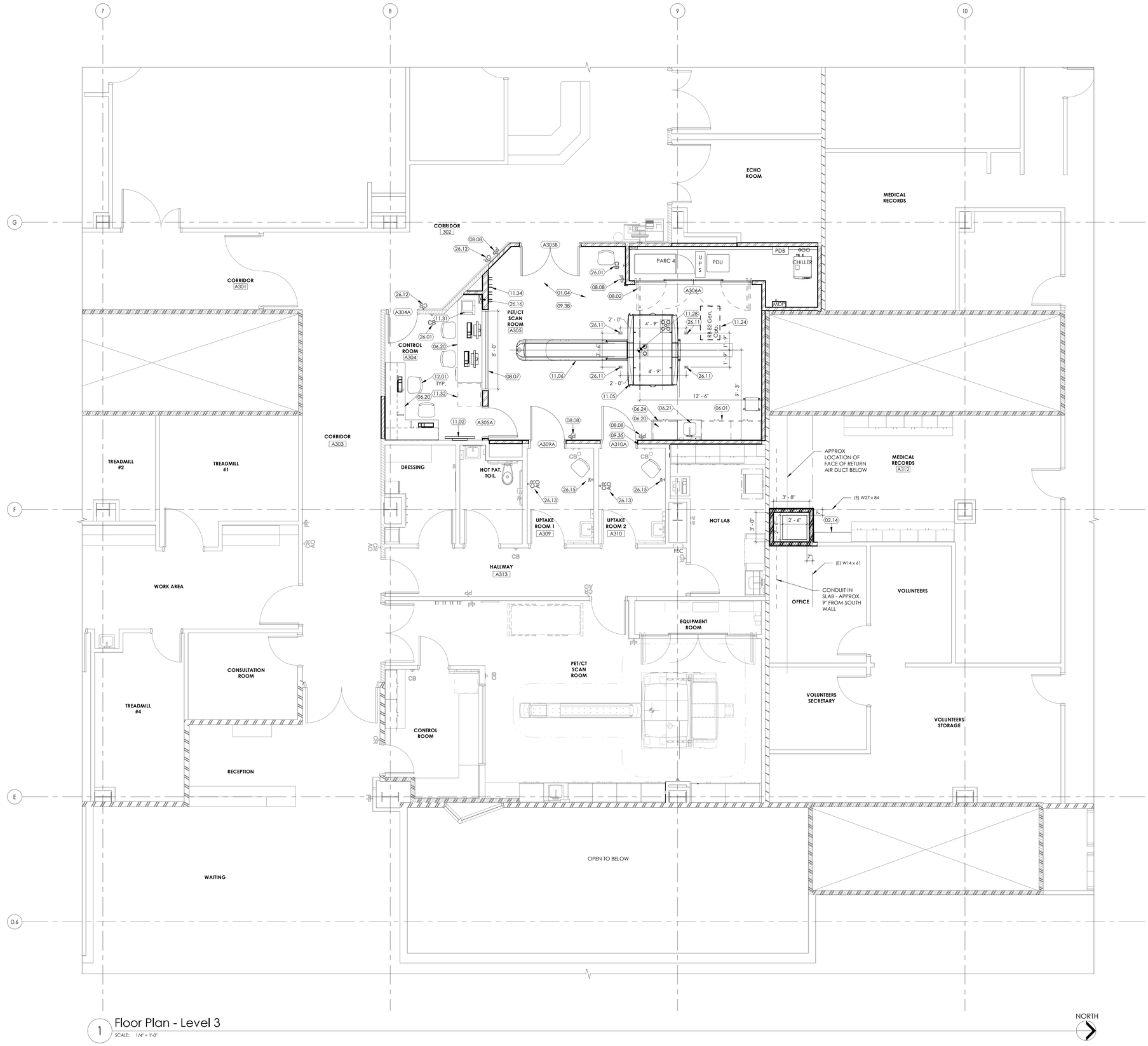

1 Floor Plan - Level 3
SCALE: 1/4" = 1'-0"

NORTH

KEYED NOTES

01.04 FLOOR SLAB HAS ELECTRICAL CONDUITS RUNNING IN THE CONCRETE SLAB. GENERAL CONTRACTOR TO X-RAY FLOOR AT EACH PENETRATION THROUGH THE FLOOR SLAB FOR ALL M/E/P AND STRUCTURAL ITEMS AS WELL AS FOR ANCHORS REQUIRED TO ANCHOR ALL GE EQUIPMENT. THIS HAS TO BE DONE FOR THE ENTIRE PROJECT AND JUST NOT THE SCAN ROOM ONLY.

02.14 REMOVE AND STORE CASEWORK CUBBIES. MODIFY AND RE-INSTALL TO FIT TIGHT AFTER SHAFT WALL IS IN PLACE.

02.25 NEW LOCATION OF SHAFT. SAW CUT EXISTING SUSPENDED SLAB AND METAL DECK FOR LOCATION OF NEW SHAFT. OPENING DIMENSION TO BE 30" X 30" FOR THE 24" X 24" EXHAUST DUCT. SEE STRUCTURAL AND MECHANICAL DRAWINGS. X-RAY FLOOR BEFORE SAW CUTTING SLAB AS THERE MAY BE CONDUITS IN THE SLAB. ALL NEW BEAMS TO HAVE 2-HR RATED APPLIED FIREPROOFING.

02.27 SAW CUT AND CHIP OUT EXISTING SUSPENDED SLAB THROUGHOUT THE ENTIRE SCAN ROOM FOR A UNIFORM DEPTH OF 3/4". GRIND SMOOTH AND PREP FOR INSTALLATION OF LEAD. AFTER INSTALLING LEAD SHIELDING IN THE FLOOR, POUR SELF LEVELING CEMENTATIONS/EPOXY UNDERLAYMENT AND PREP FLOOR FOR NEW FINISHES. FLOOR LEVELNESS TO BE PER GE DRAWINGS.

02.28 MAINTAIN 2-HR FIRE RATING AT SHAFT WALL. PATCH ANY OPENINGS WITH GYPSUM BOARD TO MATCH ADJACENT EXISTING.

06.01 NEW CASEWORK. SEE INTERIOR ELEVATIONS.

06.20 SOLID SURFACE COUNTER WITH FULL BULLNOSE EDGE AND INTEGRAL BACKSPLASH. SEE DETAIL 16/A505A. PROVIDE INTEGRAL SIDE SPLASH WHERE COUNTER ABUTS PERPENDICULAR WALL/CABINET.

06.21 SOLID SURFACE INTEGRAL SINK. BASIS OF DESIGN: SAMSUNG, STARON A1181 SINK, COLOR "BRIGHT WHITE" BW010. ALSO SEE PLUMBING DRAWINGS.

06.24 CABINET FOR LEAD PIG - NO BASE. P-LAM CABINET DOOR TO EXTEND TO FLOOR WITH ONE INCH CLEARANCE. CABINET TO BE LOCKED WITH KEYLESS SECURITY LOCK. BASIS OF DESIGN: KABL 9621C21-26D-41. FLOORING AND COVED BASE TO EXTEND INSIDE CABINET. ALSO PROVIDE WALL PROTECTION WAINSCOT ON ALL SIDES OF CABINET INTERIOR. SEE DI. 8/A505A

08.02 OVERHEAD CONCEALED, FULL BREAKOUT, TRACKLESS, BI-PARTING, UL 1784 SMOKE CERTIFIED, NARROW STILE TELESCOPIC EQUAL PANEL SLIDING DOOR SYSTEM. GLAZING TO BE 5/8" IGU (INSULATED GLAZING UNIT) WITH CLEAR TEMPERED GLAZING WITH 3M FASARA FILM APPLIED FROM INSIDE (COLOR: SH2MAOW OPAQUE WHITE) . BASIS OF DESIGN: ASSA ABLOY VERSAMAX ICU DOOR. VERIFY ROUGH OPENING SIZES WITH MANUFACTURER. DOOR TO BE LOCKABLE. SEE DETAILS 9 AND 10 ON SHEET A601B.

08.07 8'-0"W X 4'-0"H, 4# LEAD LINED WINDOW AND FRAME. SEE WINDOW TYPE DETAIL 3/A601A.

08.08 PUSH PAD FOR DOOR ACTIVATION. SEE ELECTRICAL DRAWINGS

09.35 JAMB AND HEADER STUDS FOR THIS DOOR TO BE 14 GA.

09.36 FILL IN OPENING AFTER REMOVAL OF DOOR AND FRAME WITH 3-5/8" STUDS AND 5/8" THICK, TYPE 'X' GYPSUM BOARD PER SMOKE PARTITION WALL TYPE 'G3'. PAINT WALL.

09.38 PROVIDE 16 GA STUDS AT ALL LEAD LINED WALLS, TYPICAL.

11.02 WALL MOUNTED MONITOR; OFCI. PROVIDE 3'-0" W X 2'-0" H X 18 GA SHEET METAL BACKING. SEE ELECTRICAL DRAWINGS.

11.05 DISCOVERY MI GANTRY. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS.

11.06 PATIENT TABLE. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS.

11.07 POWER DISTRIBUTION UNIT. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS.

11.08 PARC4. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS.

11.09 ANNULUS PHANTOM SAFE. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS.

11.10 CHILLER. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS.

11.11 POWER DISTRIBUTION BOX. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS. PROVIDE 'TYPE 2' BACKING PER DETAIL 5/A502A

11.12 MAIN DISCONNECT PANEL. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS. PROVIDE 'TYPE 2' BACKING PER DETAIL 5/A502A

11.13 UPS. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS.

11.14 OPERATORS CONSOLE. SEE VENDOR DRAWINGS. ALSO SEE M/E/P DRAWINGS.

11.24 RUBIDIUM-82 INFUSION SYSTEM. PROVIDED AND INSTALLED BY OWNER.

11.28 ORIENTATION POINT OF GE GANTRY. SEE VENDOR DRAWINGS FROM GE.

11.30 SEE VENDOR DRAWINGS FROM GE FOR ALL EQUIPMENT IN THE SCAN ROOM, CONTROL ROOM AND EQUIPMENT ROOM. ALSO SEE ELECTRICAL AND MECHANICAL DRAWINGS.

11.31 COUNTERTOP PRINTER, OFOI. SEE ELECTRICAL DRAWINGS FOR POWER AND DATA.

11.32 EKG CART, OFOI, CONTRACTOR TO PROVIDE CONDUIT IN WALL AND CEILING TO LOCATION SHOWN ON CEILING PLAN. SEE ELECTRICAL DRAWINGS.

11.34 LEAD APRON RACK, OFCI. PROVIDE TYPE 1' METAL STUD BACKING PER DETAIL 5/A502A. SEE INTERIOR ELEVATION.

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

13.02 ALL WALLS, FLOOR AND DECK IN THIS ROOM ARE LEAD LINED. SEE SHEET A137 FOR EXTENT OF LEAD LINING. ALSO SEE PHYSICIST REPORT IN SPECIFICATION FOR DETAILED LEAD LINING CALCULATIONS. PROVIDE 16 GA STUDS MIN (FLOOR TO DECK ABOVE) AT ALL LEAD LINED WALLS.

26.01 NURSE CALL/CODE BLUE. SEE ELECTRICAL DRAWINGS.

26.04 SURFACE WALL DUCT PER GE DRAWINGS. SEE ELECTRICAL DRAWINGS. PAINT TO MATCH WALL COLOR.

26.11 FLUSH MOUNTED POWER OUTLETS IN CONCRETE FLOOR SLAB. SEE ELECTRICAL DRAWINGS.

26.12 CARD ACCESS, TYPICAL. SEE ELECTRICAL DRAWINGS.

26.13 CARD ACCESS WITH AUTO OPENER, TYPICAL. SEE ELECTRICAL DRAWINGS.

26.15 NURSE CALL/PILLOW SPEAKER TO BE RELOCATED TO THIS LOCATION. SEE ELECTRICAL DRAWINGS.

26.16 SURFACE WALL DUCT PER GE DRAWINGS. SEE ELECTRICAL DRAWINGS. PAINT WALL DUCT TO MATCH WALL COLOR. CUT COUNTERTOP TIGHT AROUND VERTICAL WALL DUCT. PROVIDE CAULKING.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
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NJRA Project # 18216.00
Construction Documents June 28, 2021

Floor Plan
Level 3

A133

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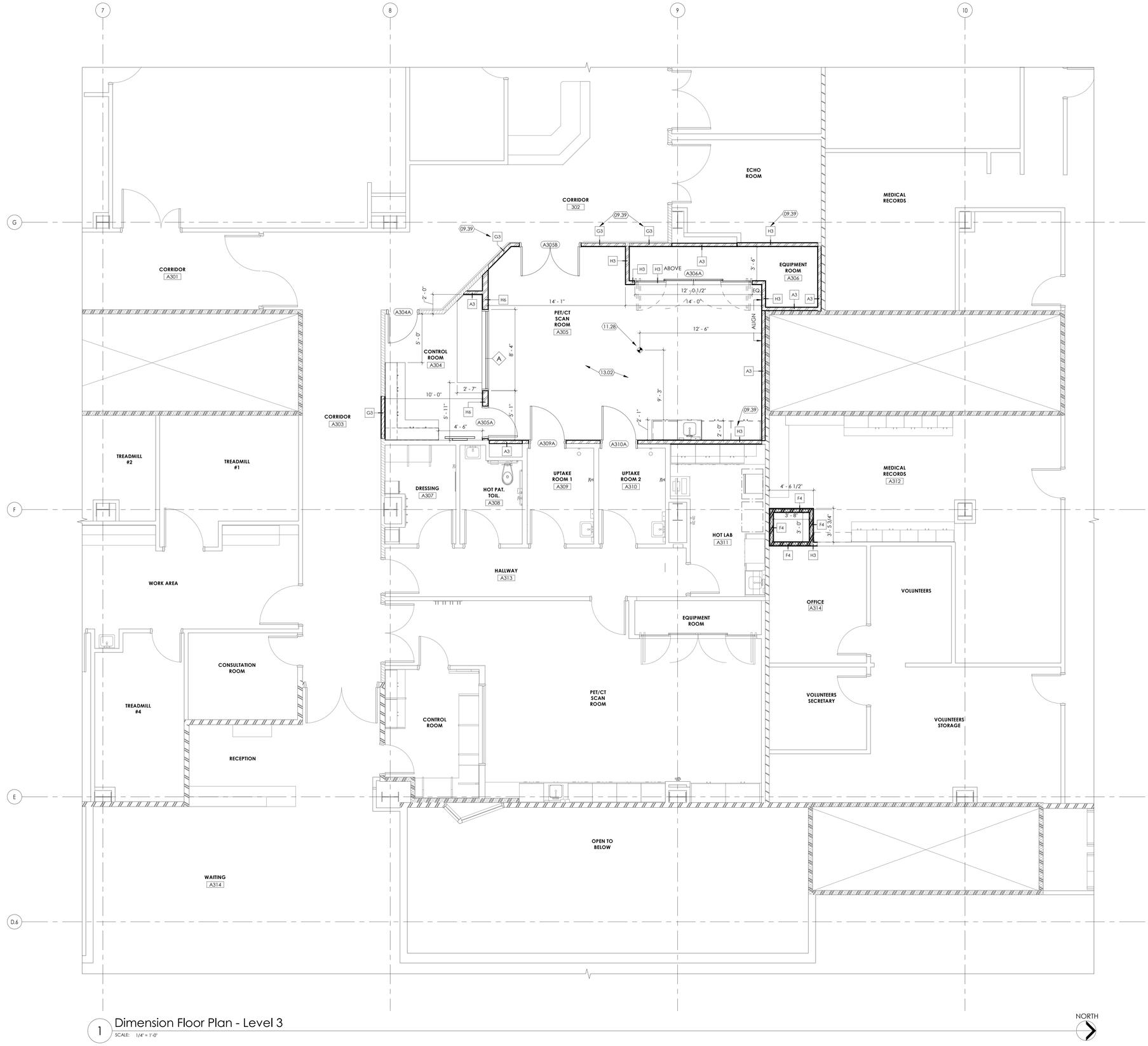

KEYED NOTES

09.39 UPGRADE EXISTING WALL TO WALL TYPE INDICATED. ALSO SEE SHEET A137.
11.28 ORIENTATION POINT OF GE GANTRY. SEE VENDOR DRAWINGS FROM GE.
13.02 ALL WALLS, FLOOR AND DECK IN THIS ROOM ARE LEAD LINED. SEE SHEET A137 FOR EXTENT OF LEAD LINING. ALSO SEE PHYSICIST REPORT IN SPECIFICATION FOR DETAILED LEAD LINING CALCULATIONS. PROVIDE 16 GA STUDS MIN (FLOOR TO DECK ABOVE) AT ALL LEAD LINED WALLS.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A136 FOR FINISH SCHEDULE.
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Dimension Floor Plan Level 3

A134

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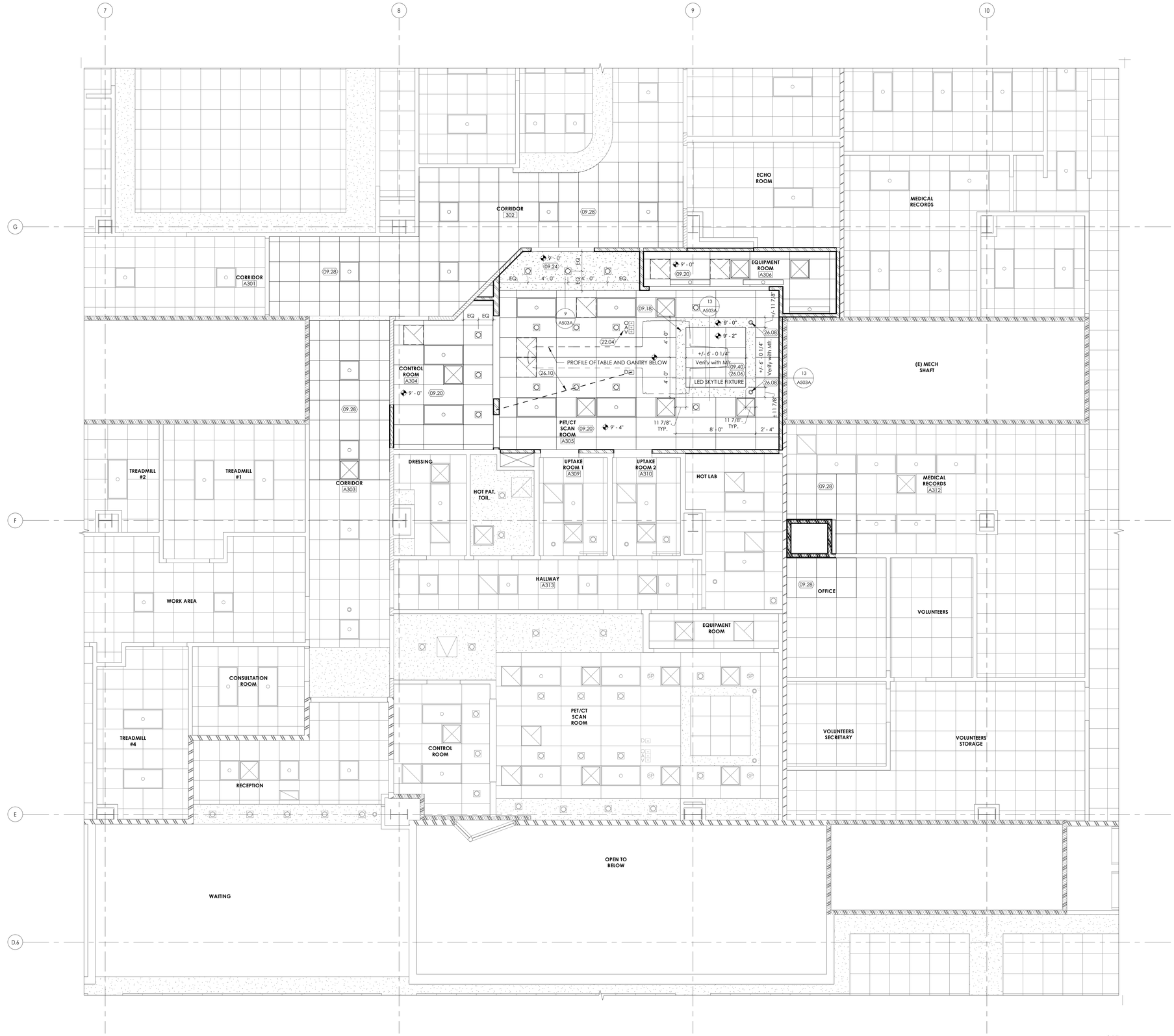

1 Reflected Ceiling Plan - Level 3
SCALE: 1/4" = 1'-0"

NORTH

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KEYED NOTES

02.25 NEW LOCATION OF SHAFT. SAW CUT EXISTING SUSPENDED SLAB AND METAL DECK FOR LOCATION OF NEW SHAFT. OPENING DIMENSION TO BE 30" X 30" FOR THE 24" X 24" EXHAUST DUCT. SEE STRUCTURAL AND MECHANICAL DRAWINGS. X-RAY FLOOR BEFORE SAW CUTTING SLAB AS THERE MAY BE CONDUITS IN THE SLAB. ALL NEW BEAMS TO HAVE 2-HR RATED APPLIED FIREPROOFING.

09.18 GYPSUM BOARD SOFFIT/HEADER AROUND SKY CEILING. SEE DETAIL 13/A503A.

09.20 ACOUSTIC CEILING TILES AND GRIDS. CEILING TILES TO BE ARMSTRONG ULTIMA HEALTH ZONE (ITEM # 1938) 24" X 48" 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.

09.24 GYPSUM BOARD SOFFIT. SEE DETAIL 9/A503A

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

09.40 CEILING GRIDS IN THIS AREA TO BE PROVIDED AND INSTALLED BY CONTRACTOR. SKY-TILES TO BE PROVIDED AND INSTALLED BY SKY CEILING MANUFACTURER. GC TO COORDINATE.

22.04 CEILING MOUNTED MED GASES. SEE MED GAS/PLUMBING DRAWINGS.

26.06 LUMINOUS SKY CEILING, 6' - 0" X 6' - 0", BASIS OF DESIGN - LED LUMINOUS SKY CEILING FROM THE SKY FACTORY "DIMMABLE". SEE ELECTRICAL DRAWINGS.

26.08 CEILING MOUNTED PATIENT MONITORING CLOSED CIRCUIT CAMERA. SEE ELECTRICAL DRAWINGS.

26.10 PROVIDE 1.5 INCH CONDUIT FROM EKG CART IN CONTROL ROOM (2'-0" AFF) TO JUNCTION BOX IN CEILING AS SHOWN FOR EKG CABLES. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

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NJRA Project # 18216.00
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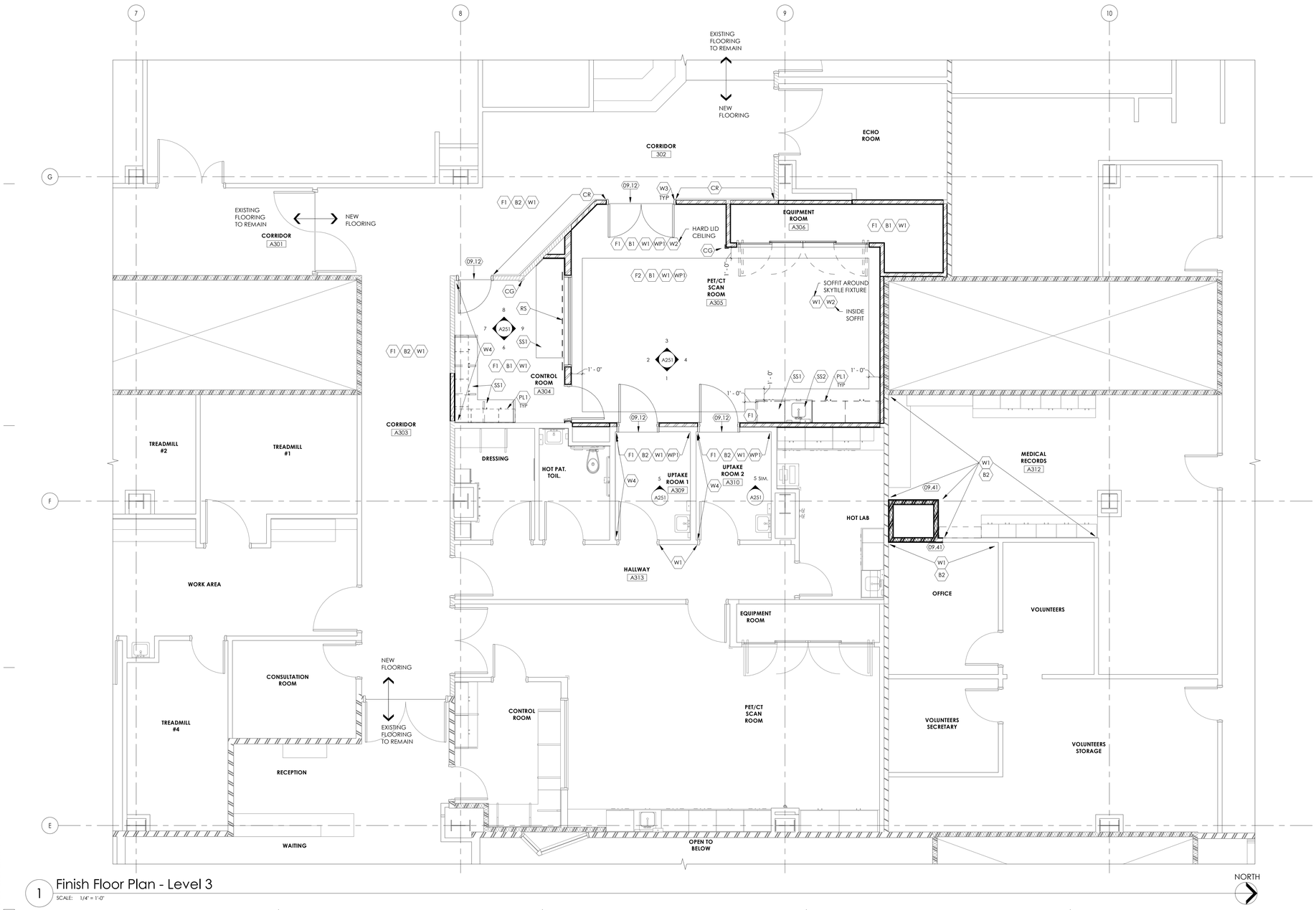
Reflected Ceiling Plan Level 3

A135

TAG	FINISH TYPE	DESCRIPTION	MANUFACTURER	STYLE	MODEL #	COLOR	COMMENTS
F1	FLOOR FINISH	HOMOGENEOUS SHEET VINYL	MANNINGTON	BIOSPEC MD	15361	FLAX	-
F2	FLOOR FINISH	HOMOGENEOUS SHEET VINYL	MANNINGTON	BIOSPEC MD	15369	BEDROCK	-
B1	WALL BASE	4" HIGH SELF COVED WITH ALUMINUM TRIM	MANNINGTON	MATCH NEW FLOORING	-	MATCH FLOORING COLOR	-
B2	WALL BASE	WALL BASE - MATCH EXISTING	-	MATCH ADJACENT EXISTING	-	MATCH ADJACENT EXISTING	-
W1	WALL FINISH	PAINT (THREE COATS)	SHERWIN WILLIAMS	SATIN	SW 7043	WORLDLY GRAY	-
W2	WALL FINISH	PAINT (THREE COATS)	SHERWIN WILLIAMS	SATIN	SW 7005	PURE WHITE	HARD LID CEILINGS AND GYPSUM BOARD SOFFITS
W3	HM DOOR FRAME FINISH	HOLLOW METAL DOOR FRAME PAINT (THREE COATS)	SHERWIN WILLIAMS	SEMI GLOSS	MATCH EXISTING	MATCH EXISTING DOOR FRAME FINISH	TYPICAL ALL HOLLOW METAL DOOR AND WINDOW FRAMES
W4	WALL FINISH	PAINT (THREE COATS)	SHERWIN WILLIAMS	SATIN	SW6243	DISTANCE	-
PL1	CASEWORK	PLASTIC LAMINATE CABINETS	WILSONART	LINEARITY FINISH	7970K-18	HIGH LINE	-
SS1	SOLID SURFACE	COUNTERTOP	CORIAN	-	-	NEUTRAL CONCRETE	-
SS2	SOLID SURFACE	INTEGRAL SINK	SAMSUNG STARON	A1181	-	BRIGHT WHITE (BW010)	-
CG	CORNER GUARD	2" X 2" X 4' - 0" CORNER GUARD	CS ACROVYN	-	SSM-20AN SERIES	262 DRIFTWOOD	TOP OF CORNER GUARD TO ALIGN WITH TOP OF WALL PROTECTION WAINSCOT WHERE OCCURS
CR	CRASH RAIL	CRASH RAIL	EXISTING	-	MATCH EXISTING	MATCH ADJACENT EXISTING	MODIFY EXISTING CRASH RAIL FOR NEW DOORS AND PROVIDE END CAPS AS NEEDED.
WP1	WALL PROTECTION WAINSCOT	0.06" THICK RIGID VINYL	CS ACROVYN	-	-	262 DRIFTWOOD	TOP OF WALL PROTECTION WAINSCOT TO ALIGN WITH TOP OF CORNER GUARD WHERE OCCURS
RS	ROLLER SHADE	SURFACE MOUNTED	MECHO SHADE	SLIM LINE	MECHO 5 MANUAL SHADE	1302 BEIGE	THERMOVEIL DENSE BASKET WEAVE 1300 SERIES (5% OPEN)



1 Finish Floor Plan - Level 3
SCALE: 1/4" = 1'-0"

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KEYED NOTES

09.12 LINE OF FLOOR TRANSITION. FLOAT FLOOR AND PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING FLOORING.

09.41 PATCH FLOORING IN THIS AREA PER NEW FLOOR PLAN CHANGES. NEW FLOORING TO MATCH ADJACENT EXISTING.

FINISH PLAN - NOTES

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

B. WHERE MORE THAN ONE WALL FINISH IS CALLED OUT FOR A WALL, SEE INTERIOR ELEVATIONS FOR HEIGHT OF TRANSITION. SEE SAMPLE LAYOUT 2 ON SHEET A603A.

C. VERIFY PAINTING SURFACE (SUCH AS STEEL, CONCRETE, MASONRY, GYPSUM BOARD, WOOD, ETC.) AND USE THE APPROPRIATE PAINT AND METHOD INDICATED IN THE PROJECT MANUAL.

D. PAINT ALL EXPOSED VISIBLE ITEMS SUCH AS METAL DECK, STEEL ANGLES, STEEL BEAMS, STEEL TRUSSES, MISC. STEEL ITEMS, PIPES, CONDUITS, ETC., UNLESS SPECIFIED BY THE ARCHITECT. DO NOT PAINT CONCEALED SURFACES, FINISHED METAL SURFACES, OPERATING PARTS, AND PRE-FINISHED ITEMS.

E. GYPSUM BOARD CEILINGS IN RESTROOM AREAS SHALL MATCH WALL PAINT COLOR IN EPOXY.

F. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED. COORDINATE ACCENT COLOR WITH ARCHITECT.

G. SEE DETAILS ON SHEET A506A FOR TYPICAL FLOOR COVERING TRANSITIONS WHERE THRESHOLDS ARE NOT CALLED FOR ON PLANS.

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 SOLID SURFACE (AND NOT PLASTIC LAMINATE WRAPPED), ARE INDICATED AS SS1, SS2, ETC.

FINISH PLAN - SAMPLE LAYOUT

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. 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 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 A136 FOR FINISH SCHEDULE.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A601A FOR WINDOW SCHEDULE.

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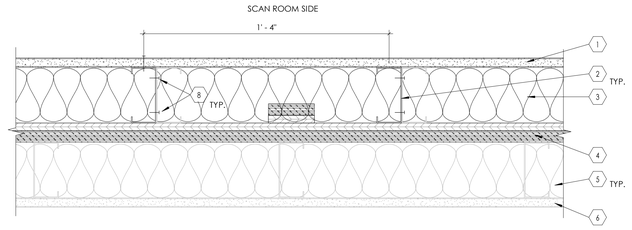
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT
06/28/21

Intermountain Healthcare
McKay-Dee Hospital
PET/CT Remodel
4401 Harrison Blvd
Ogden, Utah 84403

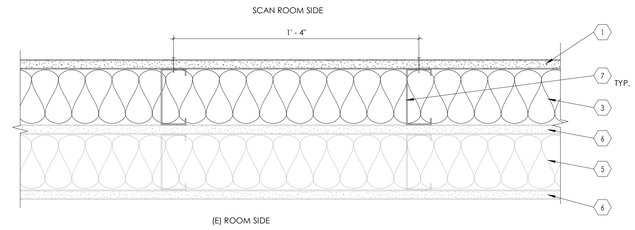
NJRA Project # 18216.00
Construction Documents June 28, 2021

Finish Floor Plan Level 3

A136



1 Detail
SCALE: 3" = 1'-0"



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

KEYED NOTES

1. NEW LEAD LINED GYPSUM BOARD. SEE FLOOR PLAN BELOW FOR LEAD THICKNESS AND HEIGHT REQUIREMENTS.

2. EXISTING 3-5/8" STUDS TO REMAIN. ADD NEW 3-5/8", 16 GA STUD TO EACH OF THE EXISTING STUDS. NEW 16 GA STUDS TO BE 16" O.C. WALL TO EXTEND TO DECK ABOVE.

3. PROVIDE BATT INSULATION FOR THE FULL WIDTH OF THE CAVITY.

4. (E) 16 # SHIELDING OVER 3/4" PLYWOOD TO REMAIN. PROTECT DURING CONSTRUCTION

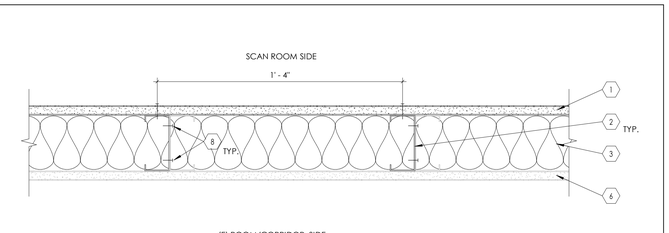
5. EXISTING WALL TO REMAIN. PROTECT DURING CONSTRUCTION. MAINTAIN ANY EXISTING FIRE RATING REQUIREMENTS FOR THE ENTIRE WALL.

6. EXISTING GYPSUM BOARD TO REMAIN. PROTECT DURING CONSTRUCTION. MAINTAIN ANY EXISTING FIRE RATING REQUIREMENTS FOR THE ENTIRE WALL.

7. NEW 3-5/8" OR 6", 16 GA METAL STUDS AT 16" O.C. TYPICAL AT ALL LEAD LINED WALLS, UNO. SEE DIMENSION FLOOR PLAN FOR WALL TYPES AND DEPTH OF STUD CAVITY. WALL TO EXTEND TO DECK ABOVE.

8. ATTACHED NEW STUDS TO EXISTING STUDS WITH # 12 SMS @ 12" O.C., TYP. AT EACH STUD.

9. GYPSUM BOARD AS REQUIRED BY WALL TYPE. SEE DIMENSION PLAN AND SHEET A501A FOR TYPES.



3 Detail
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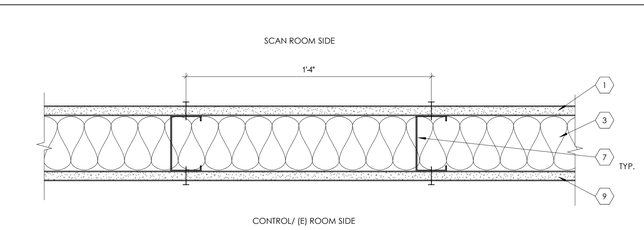
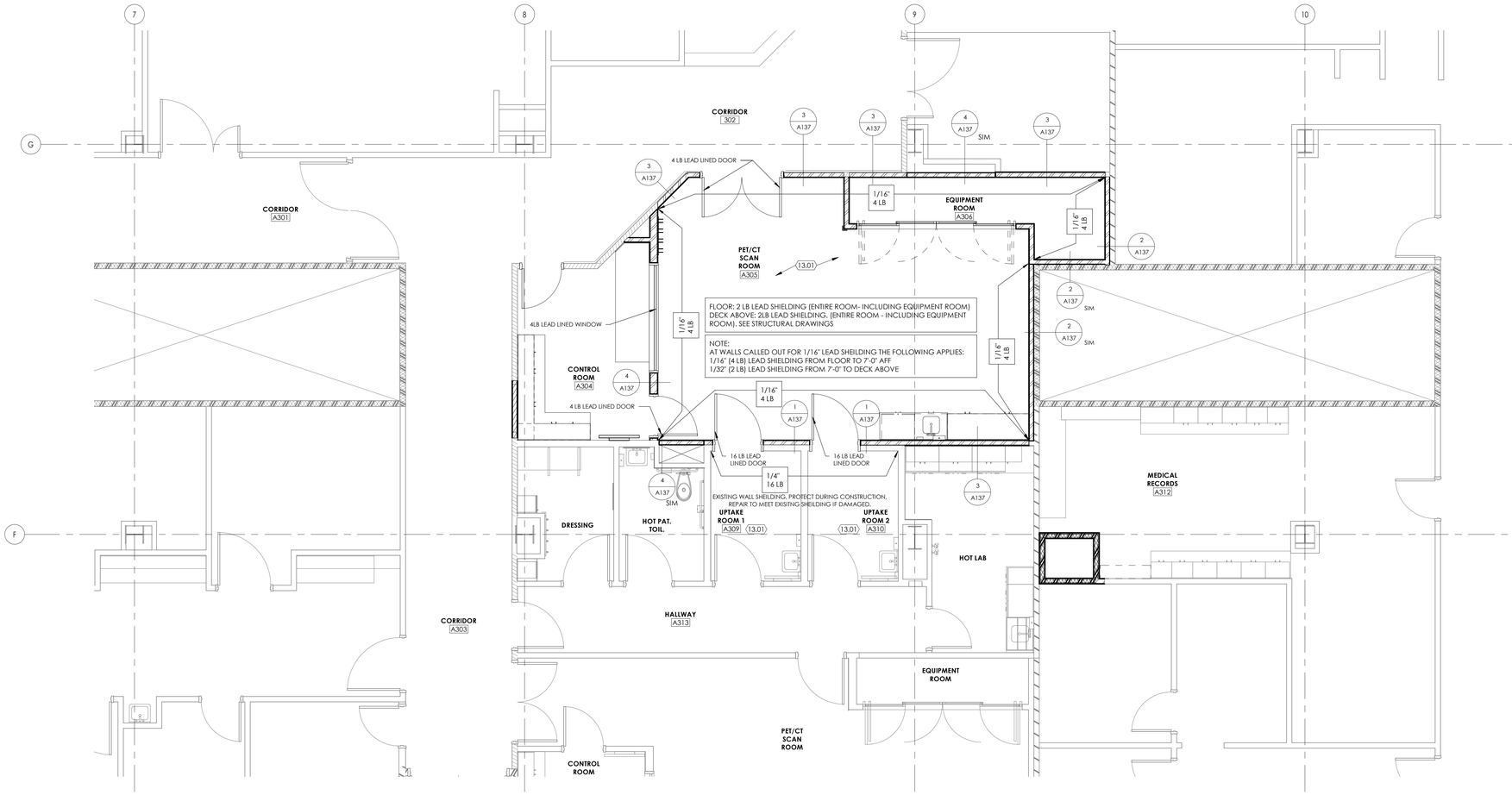


4 Detail
SCALE: 3" = 1'-0"

KEYED NOTES

13.01 LEAD LINED WALLS AS INDICATED. LEAD LINING IS SPECIFIED IN INCHES . APPROXIMATE WEIGHT PER POUND IS MENTIONED BELOW. SEE PHYSICIST REPORT IN SPECIFICATIONS FOR A DETAILED ANALYSIS.



5 Floor Plan - Level 3 - Lead Calculations
SCALE: 1/4" = 1'-0"

GENERAL NOTES

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NJRA Project # 18216.00
Construction Documents June 28, 2021

Lead Lining Calculations Level 3

A137

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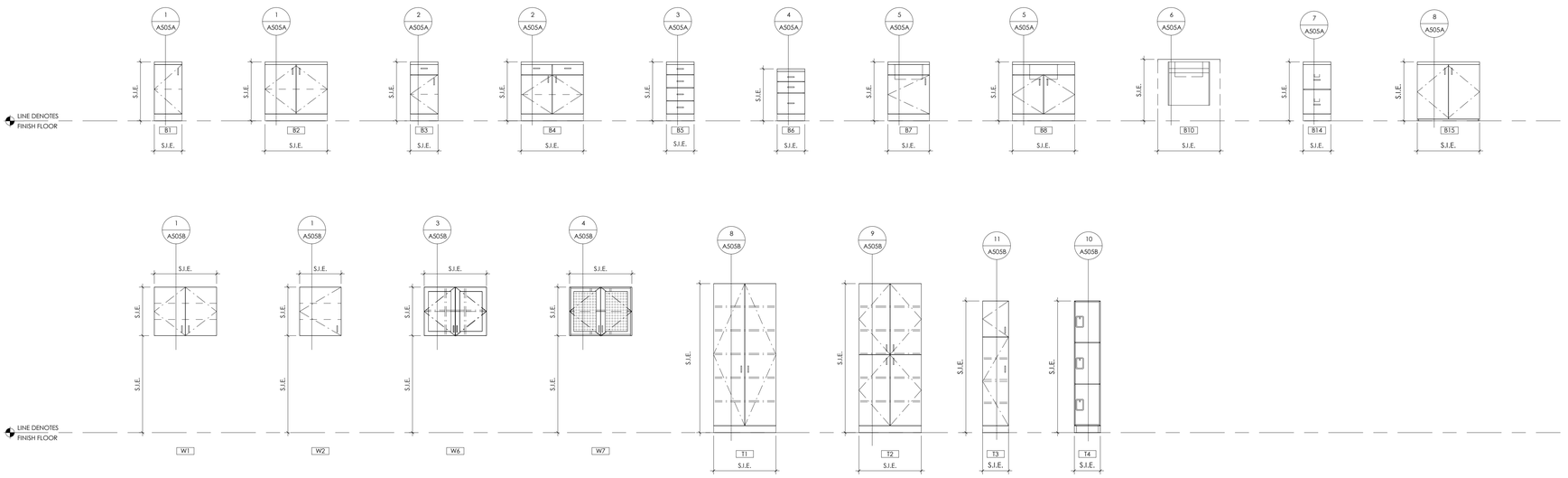
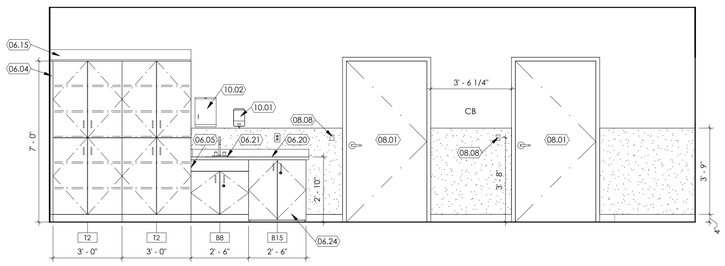


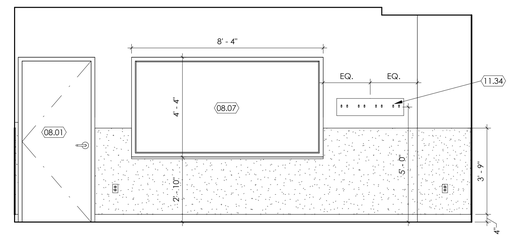
1 Cabinet Legend (Note: See Interior Elevations (S.I.E.) for occurrence of cabinet types used in this project. Some cabinet type shown above may not be used in this project.)

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



1 PET/CT Scan Room - East

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

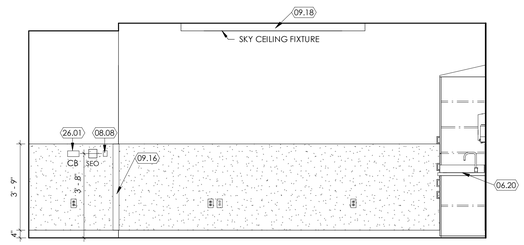


2 PET/CT Scan Room - South

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

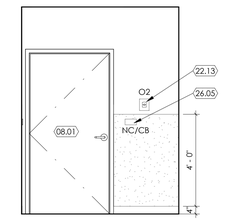
3 PET/CT Scan Room - West

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



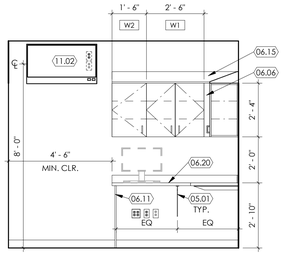
4 PET/CT Scan Room - North

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



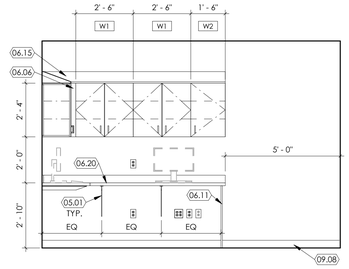
5 Uptake Room 1 - West

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



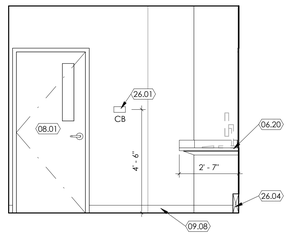
6 Control Room - East

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



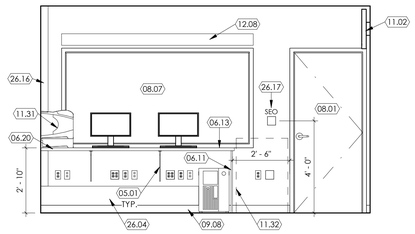
7 Control Room - South

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



8 Control Room - West

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



9 Control Room - North

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

KEYED NOTES

05.01	IN-WALL COUNTERTOP SUPPORT AT 3'-0" (MAX) O.C. SEE DETAIL 14/A505A. PAINT TO MATCH WALL COLOR. PROVIDE 16 GA STUDS AT COUNTERTOP SUPPORT, TYPICAL.
06.04	TALL CABINET PLASTIC LAMINATE FILLER PANEL AS REQUIRED. FILLER PANEL TO MATCH PROFILE AND FINISH OF ADJACENT CABINETS.
06.05	P-LAM BASE CABINET FILLER PANEL AS REQUIRED. FILLER PANEL TO MATCH PROFILE AND FINISH OF ADJACENT CABINETS.
06.06	WALL CABINET PLASTIC LAMINATE FILLER PANEL AS REQUIRED. FILLER PANEL TO MATCH PROFILE AND FINISH OF ADJACENT CABINETS.
06.11	3/4" THICK, P-LAM END PANEL.
06.13	NO BACKSPLASH AT WINDOW.
06.15	P-LAM SLOPED DUST TOP. SEE DETAIL 12/A505B
06.20	SOLID SURFACE COUNTER WITH FULL BULLNOSE EDGE AND INTEGRAL BACKSPLASH. SEE DETAIL 16/A505A. PROVIDE INTEGRAL SIDE SPLASH WHERE COUNTER ABUTS PERPENDICULAR WALL/CABINET.
06.21	SOLID SURFACE INTEGRAL SINK. BASIS OF DESIGN: SAMSUNG, STARON A1181 SINK, COLOR "BRIGHT WHITE" BW010. ALSO SEE PLUMBING DRAWINGS.
06.24	CABINET FOR LEAD PIG - NO BASE. P-LAM CABINET DOOR TO EXTEND TO FLOOR WITH ONE INCH CLEARANCE. CABINET TO BE LOCKED WITH KEYLESS SECURITY LOCK. BASIS OF DESIGN: KABL 9621C21-26D-41. FLOORING AND COVED BASE TO EXTEND INSIDE CABINET. ALSO PROVIDE WALL PROTECTION WAINSCOT ON ALL SIDES OF CABINET INTERIOR. SEE DETAIL 8/A505A
08.01	NEW DOOR. SEE DOOR SCHEDULE.
08.02	OVERHEAD CONCEALED, FULL BREAKOUT, TRACKLESS, BI-PARTING, UL 1784 SMOKE CERTIFIED, NARROW STILE TELESCOPIC EQUAL PANEL SLIDING DOOR SYSTEM. GLAZING TO BE 5/8" IGU (INSULATED GLAZING UNIT) WITH CLEAR TEMPERED GLAZING WITH 3M FASARA FILM APPLIED FROM INSIDE (COLOR: SH2MAOW OPAQUE WHITE) . BASIS OF DESIGN: ASSA ABLOY VERSAMAX ICU DOOR. VERIFY ROUGH OPENING SIZES WITH MANUFACTURER. DOOR TO BE LOCKABLE. SEE DETAILS 9 AND 10 ON SHEET A601B.
08.07	8'-0"W X 4'-0"H, 4# LEAD LINED WINDOW AND FRAME. SEE WINDOW TYPE DETAIL 3/A601A.
08.08	PUSH PAD FOR DOOR ACTIVATION. SEE ELECTRICAL DRAWINGS
09.08	WALL BASE. SEE FINISH SCHEDULE.
09.16	CORNER GUARD, 2" X 2" X 3'-9". SEE FINISH SCHEDULE. SEE DETAIL 7/A601B. TOP OF CORNER GUARD TO ALIGN WITH TOP OF WALL PROTECTION WAINSCOT. TYP.
09.17	EXISTING WALL PROTECTION WAINSCOT. MODIFY WALL PROTECTION AROUND NEW DOOR OPENING.
09.18	GYPSUM BOARD SOFFIT/HEADER AROUND SKY CEILING. SEE DETAIL 13/A503A.
09.19	0.06 INCH THICK, WALL PROTECTION WAINSCOT. SEE FINISH PLAN AND SCHEDULE. TOP OF WAINSCOTING TO ALIGN WITH TOP OF CORNER GUARD WHERE OCCURS.
09.24	GYPSUM BOARD SOFFIT. SEE DETAIL 9/A503A
10.01	SOAP DISPENSER. OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT.
10.02	PAPER TOWEL DISPENSER. OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT.
11.02	WALL MOUNTED MONITOR. OFCI. PROVIDE 3'-0" W X 2'-0" H X 18 GA SHEET METAL BACKING. SEE ELECTRICAL DRAWINGS.
11.31	COUNTERTOP PRINTER, OFOI. SEE ELECTRICAL DRAWINGS FOR POWER AND DATA.
11.32	EKG CART, OFOI. CONTRACTOR TO PROVIDE CONDUIT IN WALL AND CEILING TO LOCATION SHOWN ON CEILING PLAN. SEE ELECTRICAL DRAWINGS.
11.34	LEAD APRON RACK, OFCI. PROVIDE 'TYPE 1' METAL STUD BACKING PER DETAIL 5/A502A. SEE INTERIOR ELEVATION.
12.08	SURFACE MOUNTED MANUAL ROLLER SHADE. BASIS OF DESIGN: MECHO 5 MANUAL SHADE. SEE FINISH PLAN AND SPECIFICATIONS. PROVIDE 'TYPE 2' BACKING PER DETAIL 5/A502A.
22.13	EXISTING WALL MOUNTED MED GASES TO REMAIN. PROTECT DURING CONSTRUCTION.
26.01	NURSE CALL/CODE BLUE. SEE ELECTRICAL DRAWINGS.
26.04	SURFACE WALL DUCT PER GE DRAWINGS. SEE ELECTRICAL DRAWINGS. PAINT TO MATCH WALL COLOR.
26.05	EXISTING NURSE CALL/CODE BLUE TO REMAIN. PROTECT DURING CONSTRUCTION.
26.16	SURFACE WALL DUCT PER GE DRAWINGS. SEE ELECTRICAL DRAWINGS. PAINT WALL DUCT TO MATCH WALL COLOR. CUT COUNTERTOP TIGHT AROUND VERTICAL WALL DUCT. PROVIDE CAULKING.
26.17	SYSTEM EMERGENCY OFF SWITCH. SEE ELECTRICAL DRAWINGS. ALSO SEE VENDOR DRAWINGS FROM GE.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A136 FOR FINISH SCHEDULE.
C. SEE SHEET A601A FOR DOOR SCHEDULE.
D. SEE SHEET A601A FOR WINDOW SCHEDULE.

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Cabinet Legend & Interior Elevations

A251

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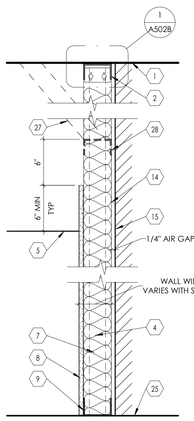
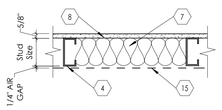


SECTION VIEW

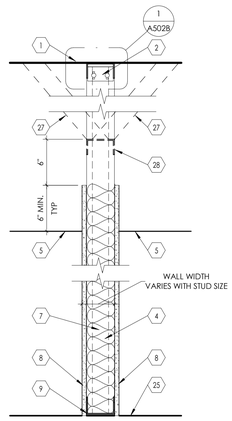


PLAN VIEW

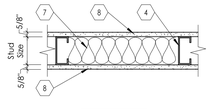
WALL TYPE	STUD SIZE	WALL WIDTH
A1	1 1/2"	2 1/8"
A2	2 1/2"	3 1/8"
A3	3 5/8"	4 1/4"
A6	6"	6 5/8"

Type - A

Metal Stud Furring Wall



SECTION VIEW

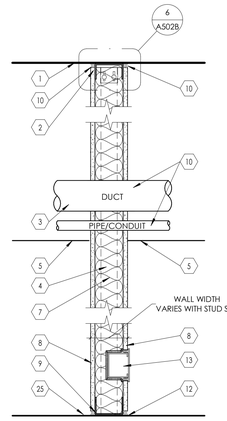


PLAN VIEW

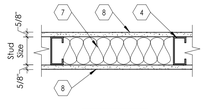
WALL TYPE	STUD SIZE	WALL WIDTH
B2	2 1/2"	3 3/4"
B3	3 5/8"	4 7/8"
B6	6"	7 1/4"

Type - B

Typical Metal Stud Wall



SECTION VIEW



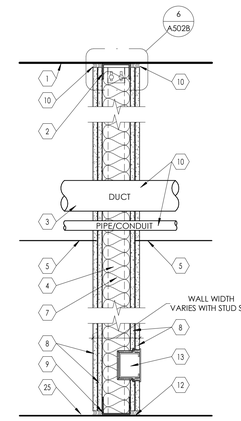
PLAN VIEW

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

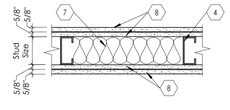
Type - C

1 Hour Fire Rated

UL DESIGN #: U465



SECTION VIEW



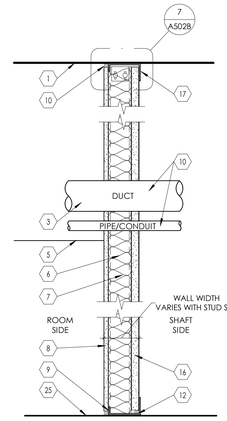
PLAN VIEW

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

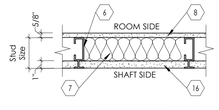
Type - D

2 Hour Fire Rated

UL DESIGN #: U411



SECTION VIEW



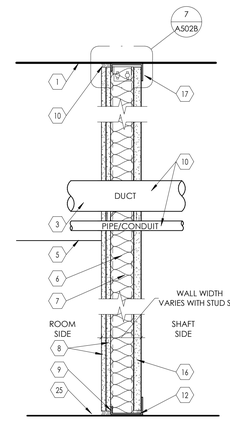
PLAN VIEW

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

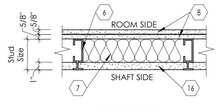
Type - E

1 Hour Fire Rated Shaft Wall

UL DESIGN #: U415 SYS. A



SECTION VIEW



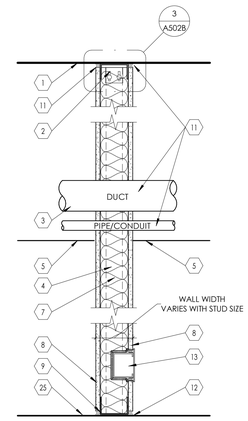
PLAN VIEW

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

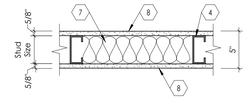
Type - F

2 Hour Fire Rated Shaft Wall

UL DESIGN #: U415 SYS. A



SECTION VIEW

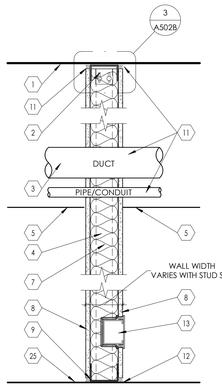


PLAN VIEW

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



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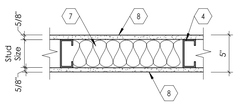


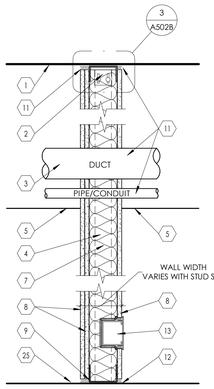
PLAN VIEW

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



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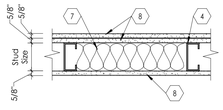


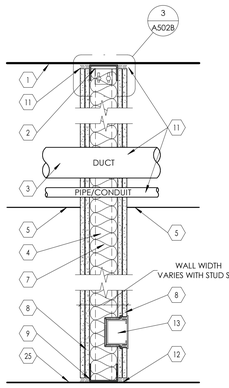
PLAN VIEW

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



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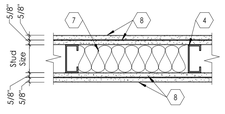


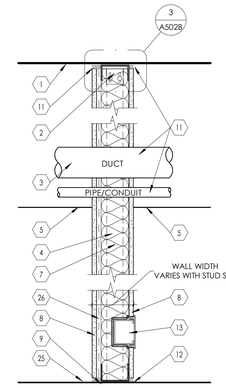
PLAN VIEW

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



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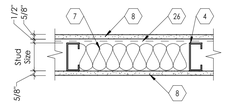


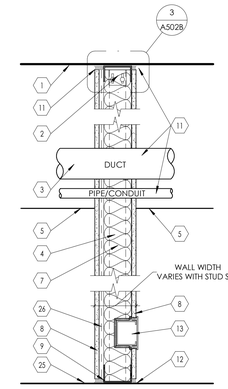
PLAN VIEW

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

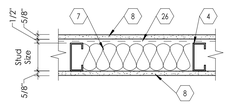
Type - L

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



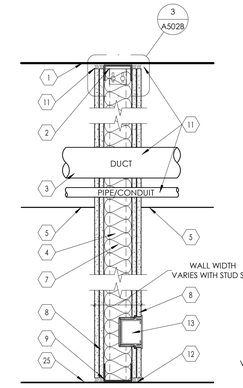
PLAN VIEW

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

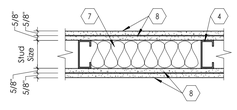
Type - M

1 Hour Fire Rated Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



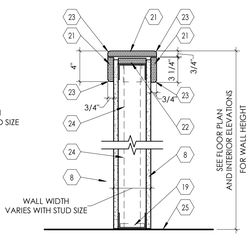
PLAN VIEW

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

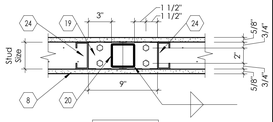
Type - N

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

KEYED NOTE

SEE DETAIL 9/A502B

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 (30 MILS) AT 16" O.C, U.N.O. (USE 16 GA STUDS AT LEAD LINED WALLS, TYP.) 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'.
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 FASTNERS 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. 3/8" THICK STEEL PLATE WITH 4-1/2" DIA. HILTI-HY200 EPOXY ANCHORS WITH 2-3/8" HILTI-HIT -2 ANCHORS. EMBED INTO CONCRETE 2-3/8"
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, CONTINOUS FIRE TREATED. ATTACH PLYWOOD TO VERTICAL STEEL TUBE POST WITH 'L' SHAPED METAL CLIPS AND FASTENERS.
23. PROVIDE 1/4" RADIUS ROUNDED EDGE, CONTINOUS.
24. METAL STUDS 16GA 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. 2" X 1/2" RESILIENT CHANNEL 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 0,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 THAT 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 GUAGE OF STUDS CALLED OUT IN THE WALL TYPES.

NJRA ARCHITECTS

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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT
06/28/21

Intermountain Healthcare
McKay-Dee Hospital
PET/CT Remodel

4401 Harrison Blvd
Ogden, Utah 84403

NJRA Project # 18216.00
Construction Documents June 28, 2021

Wall Types

A501A

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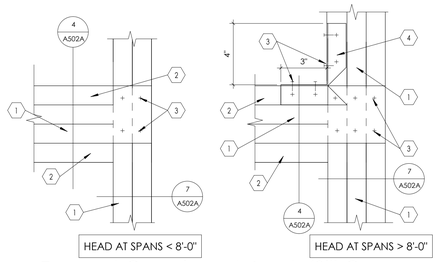
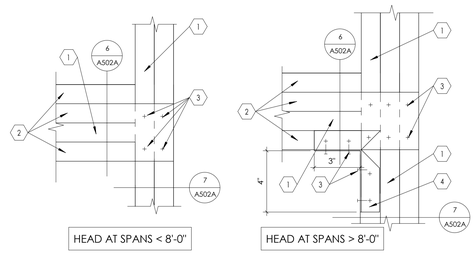


KEYED NOTES

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

1 Framed Opening at Jamb/Sill Corner

SCALE: 3" = 1'-0"

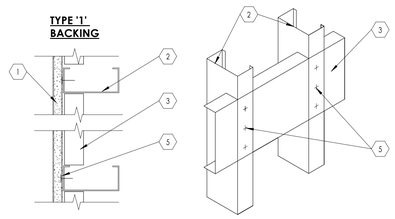


KEYED NOTES

1. METAL STUDS. SEE DETAIL 6/A502A.
2. METAL TRACK. SEE DETAIL 6/A502A.
3. 4 #12 SHEET METAL SCREWS 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"

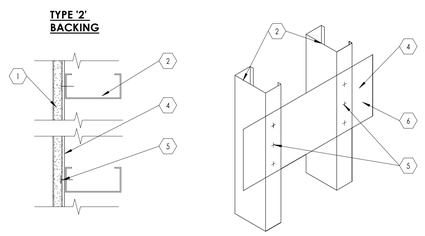


KEYED NOTES

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

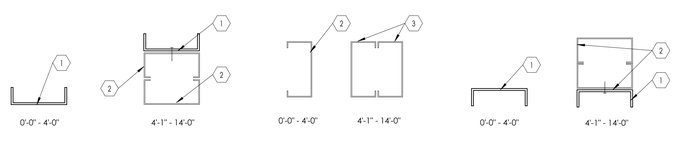
GENERAL NOTES

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



5 Backing Plate Schedule

SCALE: 3" = 1'-0"

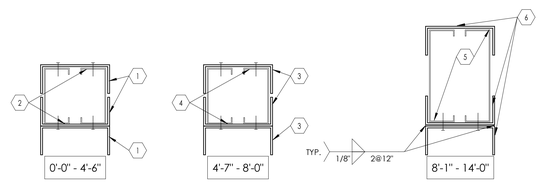


KEYED NOTES

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

3 Typical Duct Opening

SCALE: 3" = 1'-0"



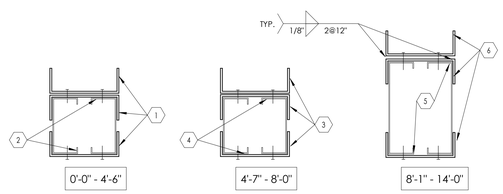
KEYED NOTES

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



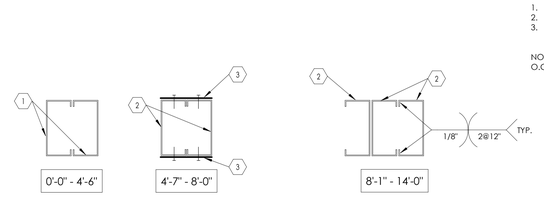
KEYED NOTES

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



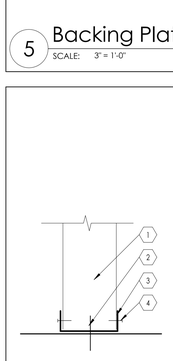
KEYED NOTES

1. METAL STUDS, 18 GA
2. METAL STUDS, 16 GA
3. 2" X 20 GA METAL STRAP 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"

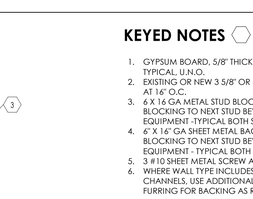


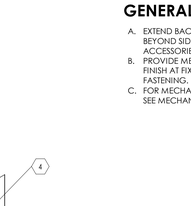
KEYED NOTES

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

8 Base Track Detail

SCALE: 3" = 1'-0"



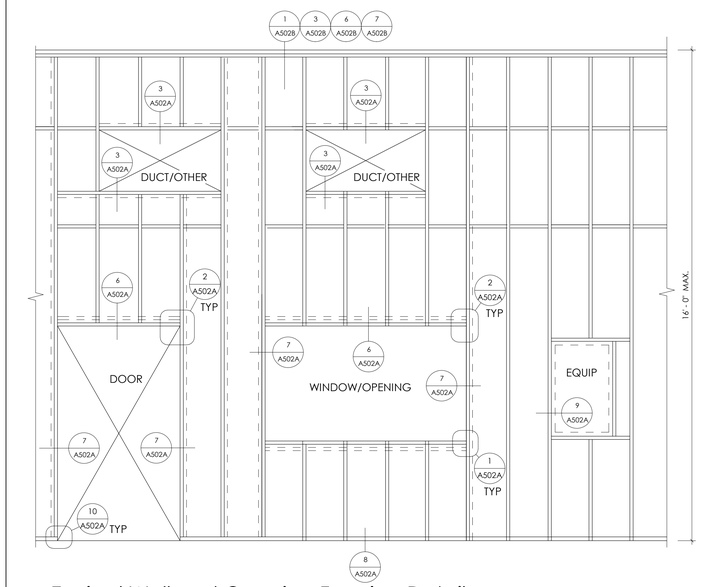


KEYED NOTES

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

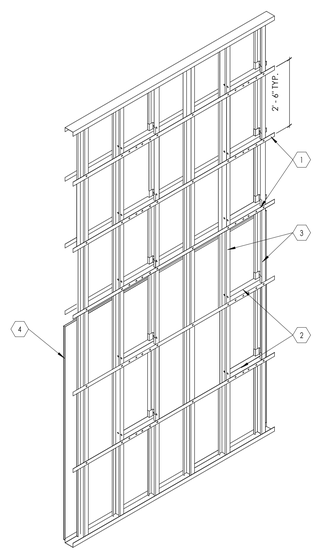
10 Framed Opening at Jamb

SCALE: 3" = 1'-0"



11 Typical Wall and Opening Framing Detail

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



KEYED NOTES

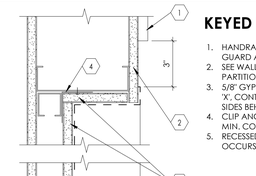
1. SHEET METAL STRAP. SEE BRACING SCHEDULE BELOW AND DETAIL
2. METAL STUD BLOCKING. SEE BRACING SCHEDULE BELOW AND DETAIL
3. METAL STUDS, 20 GA MIN. SEE WALL TYPES FOR PARTITION TYPE.
4. 5/8", TYPE 'X' GYP. BD. TYP., U.N.O. SEE WALL TYPES FOR PARTITION TYPE.

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"



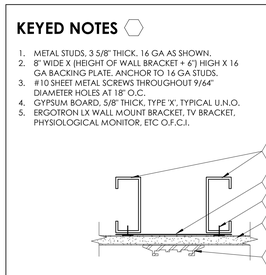
KEYED NOTES

1. HANDRAIL OR CORNER GUARD AS OCCURS.
2. SEE WALL TYPES FOR PARTITION TYPE.
3. 5/8" GYPSUM BOARD, 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 SIMILAR

9 Detail at Recessed Equip.

SCALE: 3" = 1'-0"

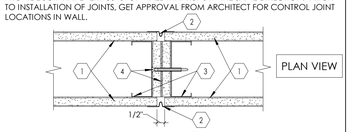


KEYED NOTES

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. #10 SHEET METAL SCREWS 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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STATE OF UTAH
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267857-0301
LICENSED ARCHITECT
06/28/21

Intermountain Healthcare
McKay-Dee Hospital
PET/CT Remodel

4401 Harrison Blvd
Ogden, Utah 84403

NJRA Project # 18216.00
Construction Documents June 28, 2021

Wall Details

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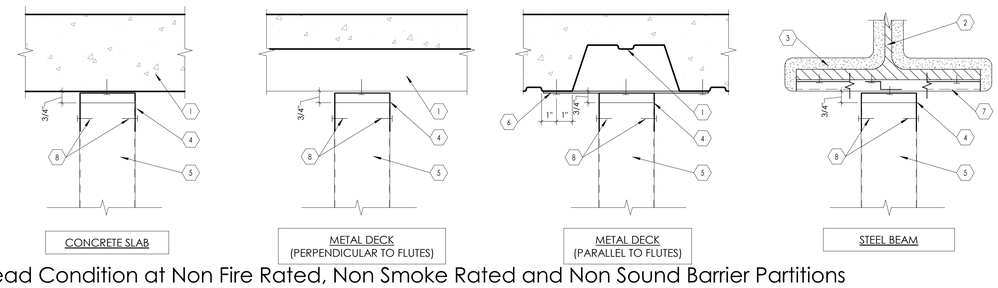


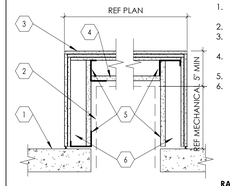
CONCRETE SLAB | METAL DECK (PERPENDICULAR TO FLUTES) | METAL DECK (PARALLEL TO FLUTES) | STEEL BEAM

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/A502B.
5. METAL STUD WALL. SEE WALL TYPES ON SHEET A501 FOR ADDITIONAL INFORMATION.
6. 2" x 18" GA STRAPS AT 16" O.C.
7. 20 GA Z-BARS TO ACCOMMODATE SFRM THICKNESS.



AT TOP OF SHAFT

KEYED NOTES

1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. 3 LAYERS OF 5/8" GYP. BD. AT HORIZONTAL PLANE.
4. 1" THICK GYPSUM BOARD SHAFT LINER PANEL.
5. J-RUNNERS
6. 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501.

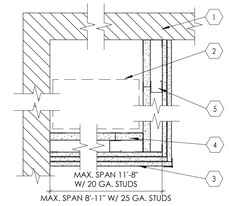
RATING INFORMATION:
FIRE RATING - 2 HOUR TEST:
U.L. Design No. 411
PEI AER-09038
WHI-495-PSH 0154/0167

2 2-HR Enclosure at Top of Shaft

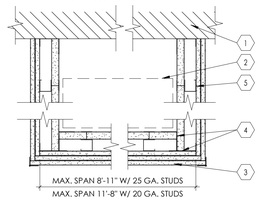
SCALE: 1" = 1'-0"

KEYED NOTES

1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. 3 LAYERS OF 5/8" GYP. BD. AT HORIZONTAL PLANE.
4. 1" THICK GYPSUM BOARD SHAFT LINER PANEL.
5. 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501



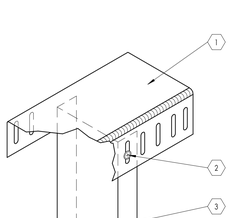
RATING INFORMATION:
HORIZONTAL FIRE
RATING - 2 HOUR TEST:
WHI-495 PSH 0154/0167



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

5 2-HR Horizontal Assembly

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



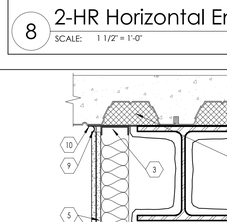
DESIGN BASIS: UL-HW-D-0044 CONCRETE SLAB | **DESIGN BASIS: UL-HW-D-0043** METAL DECK (PERPENDICULAR TO FLUTES) | **DESIGN BASIS: UL-HW-D-0264** METAL DECK (PARALLEL TO FLUTES) | **DESIGN BASIS: UL-HW-D-0252** STEEL BEAM

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/A502B.
5. METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
6. 2" x 18" GA STRAPS AT 16" O.C.
7. 20 GA Z-BARS 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. GYP. BD. CUT TO FOLLOW PROFILE OF DECKING AT SMOKE PARTITION BOTH AT SOUND WALLS.
12. FILL FLUTE VOID WITH BATT INSULATION.



AT BOTTOM OF SHAFT

KEYED NOTES

1. FLOOR SLAB AS OCCURS.
2. MECHANICAL DUCTWORK.
3. 3 LAYERS OF 5/8" GYP. BD. AT HORIZONTAL PLANE.
4. 1" THICK GYPSUM BOARD SHAFT LINER PANEL.
5. J-RUNNERS.
6. 2-HR RATED SHAFT WALL CONSTRUCTION. SEE WALL TYPES ON SHEET A501.

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

4 2-HR Enclosure at B.O. Shaft

SCALE: 1" = 1'-0"

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

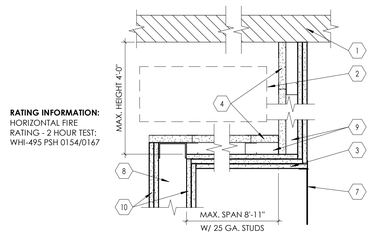
1. FLOOR OR ROOF DECK AS OCCURS.
2. STEEL BEAM AS OCCURS. SEE STRUCTURAL DRAWINGS.
3. SPRAY APPLIED FIRE RESISTIVE MATERIAL (SFRM).
4. SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL 9/A502B.
5. METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
6. 2" x 18" GA STRAPS AT 16" O.C.
7. 20 GA Z-BARS 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. GYP. BD. CUT TO FOLLOW PROFILE OF DECKING AT SMOKE PARTITION BOTH AT SOUND WALLS.
12. FIRE STOP JOINT SPRAY.
13. 4 LB MINERAL WOOL FRICTION FIT BETWEEN TOP TRACK AND FLUTE.

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

AT DUCTWORK

KEYED NOTES

1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. 3 LAYERS OF 5/8" GYP. BD. AT HORIZONTAL PLANE.
4. 1" THICK GYPSUM BOARD 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. 2 LAYERS OF 5/8" GYPSUM BOARD.

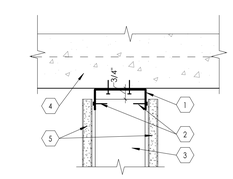


RATING INFORMATION:
HORIZONTAL FIRE
RATING - 2 HOUR TEST:
WHI-495 PSH 0154/0167

WITH OFFSET

8 2-HR Horizontal Enclosure

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



ISOMETRIC VIEW OF SLOTTED TOP TRACK

KEYED NOTES

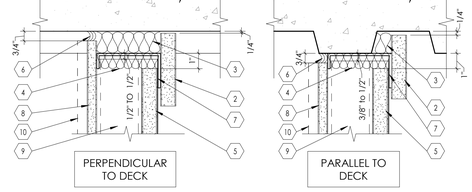
1. SLOTTED DEEP LEG DEFLECTION TRACK. 16GA CONTINUOUS. SECURE TO SUPERSTRUCTURE ABOVE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 3/4" OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
2. SLIP CONNECTION. SECURE VERTICAL STUDS TO SLOTTED 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 A501.
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"



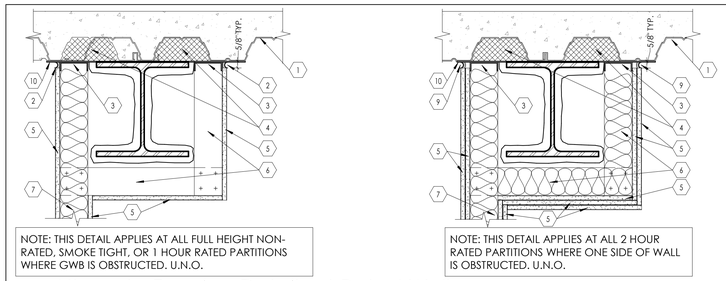
PERPENDICULAR TO DECK | PARALLEL TO DECK

KEYED NOTES

1. FLOOR OR ROOF DECK AS OCCURS.
2. 1" GYP. BD. SHAFT LINER PANEL 6" HIGH MIN. CUT TO FLUTED DECK CONTOUR.
3. 3" MINERAL WOOL 4 LB MIN. FRICTION FITTED BETWEEN J TRACK AND FLUTE.
4. 1" MINERAL WOOL 4 LB MIN. FRICTION FITTED INSIDE J TRACK CAVITY.
5. 1" GYP. BD. SHAFT LINER PANEL STOP AT 1" BELOW THE BOTTOM OF DECK.
6. 5/8" x CONT. ACOUSTICAL SEALANT.
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 GYP. BD. 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/A502B.
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. 2" x 18" GA STRAPS AT 16" O.C.

10 Alternate Framing Details at Rated Walls

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

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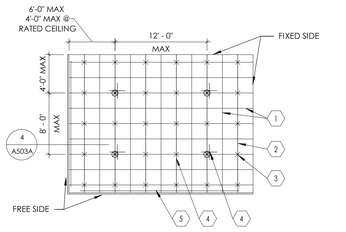


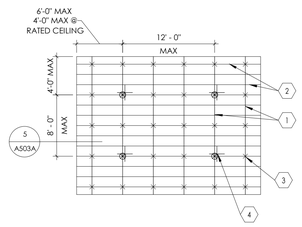
KEYED NOTES

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"

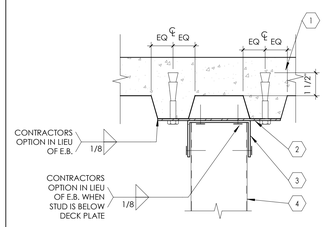


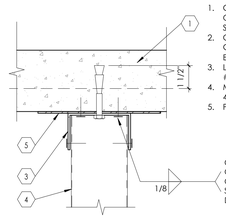
KEYED NOTES

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 Board Ceiling Suspension

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



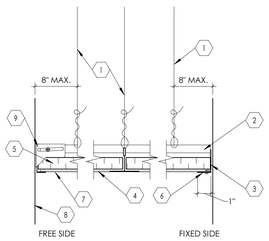


KEYED NOTES

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"



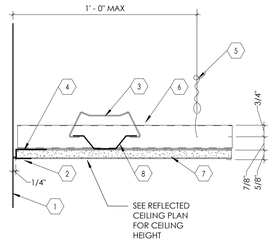
KEYED NOTES

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"

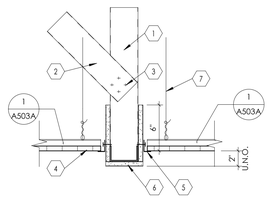


KEYED NOTES

1. LINE OF WALL AS OCCURS.
2. PROVIDE "J" SHAPED METAL TRIM WITH CONTINUOUS SEALANT AT ALL MASONRY WALL JUNCTIONS.
3. WIRE CLIP OR TIE.
4. DELETE METAL TRIM AND CONTINUE GYPSUM BOARD IF CEILING ABUTS GYPSUM BOARD WALL.
5. HANGER WIRE, 8 GAUGE, @ 4'-0" O.C. MAXIMUM AND WITHIN 12" OF THE WALL TYPICAL.
6. METAL RUNNER CHANNELS, 1 1/2" THICK, @ 48" O.C.
7. GYPSUM BOARD, 5/8" THICK, ATTACHED TO METAL FURRING CHANNEL. USE TYPE 'X' IF CEILING IS FIRE RATED.
8. FURRING CHANNEL, 7/8" THICK, @ 1'-4" O.C. MAXIMUM.

5 Ceiling Detail

SCALE: 3" = 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. 3-5/8" X 18 GA MTL. STUD 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. 5/8" TYPE 'X' GYPSUM BOARD, TYP.
7. 12 GA. HANGER WIRES, 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. #12 SHEET METAL 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, TYPE 'X' 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, 18 GAUGE STUDS, SUSPENDED FROM STRUCTURE ABOVE. STUDS SHALL BE AT 16" O.C. CROSS BRACE DIAGONALLY WITH 3-5/8" , 18 GA STUDS EVERY 4'-0" O.C.
5. LINE OF STRUCTURE ABOVE.
6. SEE DETAIL 3/A503A FOR ATTACMENT OF STUDS TO STRUCTURE ABOVE.

9 Gypsum Board Soffit

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

AT CROSS TEE

AT MAIN BEAM

KEYED NOTES

1. 4"x1.5/16" EXPANSION SLEEVE. 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 Siesmic 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, 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.

11 Suspended Ceiling Trapeze Detail

SCALE: 1/2" = 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 16" O.C.) SUSPENDED FROM STRUCTURE ABOVE (OR WALL WHERE OCCURS). CROSS BRACE FRAMING AS REQUIRED FOR STRUCTURAL RIGIDITY.
4. ATTACH 5/8" THICK, TYPE 'X', GYPSUM BOARD TO METAL STUD FRAMING.

12 Ceiling Detail

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

KEYED NOTES

1. METAL STUDS, 3 5/8", 18 GA, AT 16" O.C. SEE DETAIL 3/A503A FOR ATTACHMENT TO DECK ABOVE.
2. CROSS BRACE METAL STUD FRAMING, WITH 3 5/8", 18 GA METAL STUDS @ 16" O.C.; ANCHOR TO STRUCTURE ABOVE. ATTACH TO BOTH STUDS WITH FOUR #10 SMS AT EA. STUD.
3. METAL STUDS, 18 GA, 3 5/8" THICK, AT 16" O.C. ATTACH TO VERTICAL STUDS, BOTH SIDES, WITH FOUR #10 SMS AT EA. STUD.
4. GYPSUM BOARD, 5/8" THICK, TYPE 'X', TYPICAL. PAINT WHITE. SEE FINISH SCHEDULE.
5. LAY-IN CEILING, SEE REFLECTED CEILING PLAN.
6. LUMINOUS SKY CEILING FIXTURE, LED, DIMMABLE. SEE SPECIFICATIONS. ALSO SEE ELECTRICAL DRAWINGS.
7. LINE OF STRUCTURE ABOVE.
8. CEILING GRID SYSTEM WITH 7/8" PERIMETER ANGLE MODLING. PROVIDE WHITE SILICON SEALANT ALL AROUND. CEILING GRID TO BE PROVIDED AND INSTALLED BY CONTRACTOR. COORRDINATE WITH LUMNIMOUS SKY CEILING MFR.

13 Gypsum Board Soffit/Luminous Ceiling

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

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06/28/21

Intermountain Healthcare
McKay-Dee Hospital
PET/CT Remodel

4401 Harrison Blvd
Ogden, Utah 84403

NJRA Project # 18216.00
Construction Documents June 28, 2021

Ceiling Details

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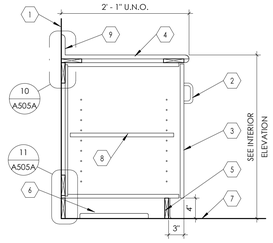
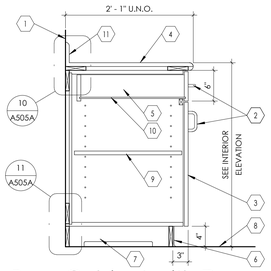


KEYED NOTES

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. SCHEDULED COUNTERTOP WITH FULL BULLNOSE EDGE. SEE DETAIL 16/A505A .
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. SEE ELEVATIONS FOR NUMBER OF ADJUSTABLE SHELVES REQUIRED. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
9. BACKSPLASH WITH 3/4" RADIUS EDGE.

1 Base Cabinet with Door

SCALE: 1" = 1'-0"

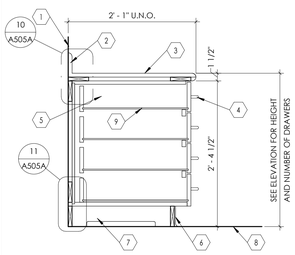


KEYED NOTES

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. SCHEDULED COUNTERTOP WITH FULL BULLNOSE EDGE. SEE DETAIL 16/A505A .
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. SEE ELEVATIONS FOR NUMBER OF ADJUSTABLE SHELVES REQUIRED. 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 WITH 3/4" RADIUS EDGE.

2 Base Cabinet with Drawer and Door

SCALE: 1" = 1'-0"

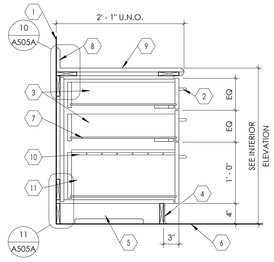


KEYED NOTES

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. INTEGRAL BACKSPLASH WITH 3/4" RADIUS EDGE.
3. SCHEDULED COUNTERTOP WITH FULL BULLNOSE EDGE. SEE DETAIL 16/A505A .
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.

3 Base Cabinet with Drawers

SCALE: 1" = 1'-0"

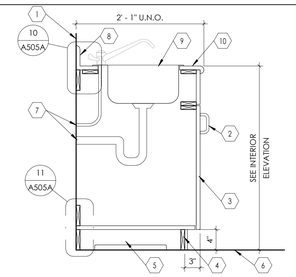


KEYED NOTES

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 WITH 3/4" RADIUS EDGE.
9. SCHEDULED COUNTERTOP WITH FULL BULLNOSE EDGE. SEE DETAIL 16/A505A .
10. METAL EDGE FOR HANGING FILE FOLDERS. SEE DETAIL 12/A505C.
11. FILE DRAWER. SEE SPECIFICATIONS IN PROJECT MANUAL FOR TYPICAL DRAWER CONSTRUCTION. SEE DETAIL 11/A505C.

4 Base Cabinet with Drawers

SCALE: 1" = 1'-0"



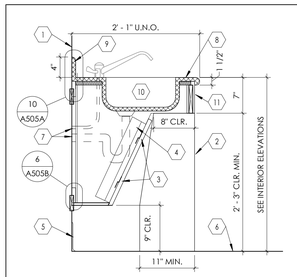
KEYED NOTES

1. LINE OF WALL, AS OCCURS.
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 ESCUTCHEON PLATE AROUND DRAIN AND WATER LINES.
8. BACKSPLASH WITH 3/4" RADIUS EDGE. SEE DETAIL 16/A505A.
9. SOLID SURFACE INTEGRAL SINK. SEE FLOOR PLAN FOR DETAILS. SEE PLUMBING DRAWINGS.
10. SCHEDULED COUNTERTOP WITH FULL BULLNOSE EDGE. SEE DETAIL 16/A505A . PROVIDE 4" HIGH INTEGRAL BACKSPLASH WHEN COUNTERTOP ABUTS PERPENDICULAR WALL AND/OR CABINET.

NOTE: ALL SINK CABINETS TO BE LOCKABLE, TYPICAL.

5 Base Cabinet with Sink

SCALE: 1" = 1'-0"



KEYED NOTES

1. LINE OF WALL.
2. KNEE AND TOE CLEARANCE REQUIRED FOR ADA.
3. PLASTIC LAMINATE REMOVABLE ACCESS PANEL WITH 2" ALUMINUM Z-CLIPS MOUNTED ON BACK SIDE OF PANEL (TOTAL 4 CLIPS - TWO ON EACH SIDE OF PANEL)
4. 2" X 2" X 1" THICK X CONT., P-LAM SUPPORT PANEL ANCHORED TO CABINET. THIS PANEL TO BE ON EACH END OF CABINET TO SUPPORT ACCESS PANEL. INSTALL TWO ALUMINUM Z-CLIPS ON EACH SIDE OF CABINET TO SUPPORT ACCESS PANEL. OPENING ABOVE PANEL TO BE KEPT AT MINIMUM JUST ENOUGH TO REMOVE ACCESS PANEL.
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. SOLID SURFACE COUNTERTOP WITH INTEGRAL SINK. SEE DETAIL 16/A505A.
9. INTEGRAL BACKSPLASH WITH 1/8" EASED EDGE. PROVIDE INTEGRAL SIDESPLASH WHERE COUNTER ABUTS PERPENDICULAR WALL.
10. SOLID SURFACE INTEGRAL SINK. SEE FLOOR PLAN FOR DETAILS.
11. PLASTIC LAMINATE FASCIA PANEL.

NOTE: PROVIDE STEEL SUPPORT WITHIN ASSEMBLY WHERE COUNTER IS UNSUPPORTED, TYP. SEE DETAIL 14/A505A

6 ADA Sink with Skirt no Cabinet

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. SEE DETAIL 11/A505C.
4. METAL EDGE FOR HANGING FILE FOLDERS. SEE DETAIL 12/A505C.
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 WITH 3/4" RADIUS EDGE.
10. SCHEDULED COUNTERTOP WITH FULL BULLNOSE EDGE. SEE DETAIL 16/A505A .

7 Base Cabinet with Two File Drawers

SCALE: 1" = 1'-0"

KEYED NOTES

1. LINE OF WALL, AS OCCURS.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR. PROVIDE KEYLESS LOCK. SEE FLOOR PLAN FOR DETAILS. DOOR TO EXTEND TO 1" ABOVE FINISH FLOOR, WITH NO TOE KICK.
4. SCHEDULED COUNTERTOP WITH FULL BULLNOSE EDGE. SEE DETAIL 16/A505A .
5. BACKSPLASH WITH 3/4" RADIUS EDGE. SEE DETAIL 16/A505A.
6. PROVIDE 0.06INCH THICK WALL PROTECTION WAINSCOT ALL AROUND ON THE INSIDE OF THIS CABINET.
7. CONTINUE FLOORING AND BASE INSIDE CABINET.

8 Base Cabinet Winth Intergral Toe Kick - No Base

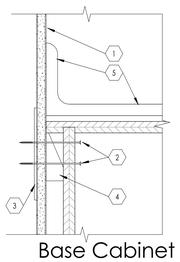
SCALE: 1" = 1'-0"

KEYED NOTES

1. LINE OF WALL.
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. MULTI-CORE, 1" THICK, PREMIUM GRADE - PANEL CORE PRODUCT USED FOR LAMINATED CASEWORK. SEE ELEVATIONS FOR NUMBER OF ADJUSTABLE SHELVES REQUIRED. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
6. BACKSPLASH WITH 3/4" RADIUS EDGE
7. SCHEDULED COUNTERTOP WITH FULL BULLNOSE EDGE. SEE DETAIL 16/A505A .

9 Base Cabinet - No Door

SCALE: 1" = 1'-0"

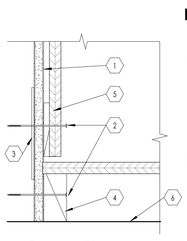


10 Base Cabinet Anchorage - Top

SCALE: 3" = 1'-0"

KEYED NOTES

1. FACE OF WALL ASSEMBLY
2. 2 #12 S.M.S. @ 16" O.C. MIN. AND 3" FROM EACH END
3. BACKING PLATE TYPE 2. FOR BACKING PLATE DETAIL SEE - 5/A502A
4. SOLID BLOCKING TYP.
5. COUNTERTOP AND INTEGRAL BACKSPLASH. SEE DETAIL 16/A505A

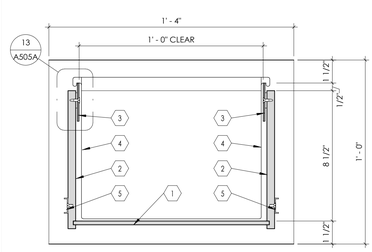


11 Base Cabinet Anchorage - Bottom

SCALE: 3" = 1'-0"

KEYED NOTES

1. FACE OF WALL ASSEMBLY
2. 2 #12 S.M.S. @ 16" O.C. MIN. AND 3" FROM EACH END
3. BACKING PLATE TYPE 2. FOR BACKING PLATE DETAIL SEE - 5/A502A
4. PRESSURE TREATED CABINET BASE SUPPORT
5. SOLID BLOCKING
6. LINE OF FLOOR

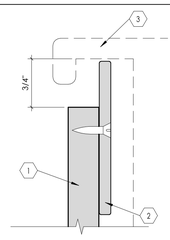


12 File Drawer Section

SCALE: 3" = 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.

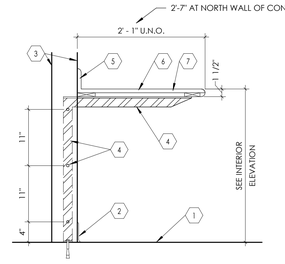


13 File Drawer Edge

SCALE: 12" = 1'-0"

KEYED NOTES

1. FILE DRAWER BODY.
2. ALUMINUM STRAP (1 1/2" WIDE X 1/8" THICK) ATTACHED TO DRAWER BODY WITH FASTENERS AT 16" O.C.
3. FILE FOLDER, OWNER FURNISHED OWNER INSTALLED ITEM.



14 Typical Countertop with Steel Support at Stud Walls

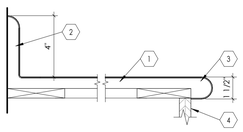
SCALE: 1" = 1'-0"

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 PLAT 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 3'-0" O.C. MAXIMUM.
5. BACKSPLASH WITH 3/4" RADIUS EDGE.
6. PROVIDE GROMMETS AT COMPUTER MONITOR LOCATIONS, KNEE SPACES, COUNTERTOP EQUIPMENT, ETC.
7. SCHEDULED COUNTERTOP WITH BULLNOSE EDGE. SEE DETAIL 16/A505A

KEYED NOTES

1. PLASTIC LAMINATE COUNTERTOP OVER PARTICLE BOARD, WITH RADIUS AS SHOWN. WHERE PLASTIC LAMINATE IS CALLED OUT AT SINK LOCATIONS, USE EXTERIOR GRADE MARINE PLYWOOD WITH AN IMPERVIOUS SEAL.
2. LAMINATE TO RUN CONTINUOUSLY FROM COUNTERTOP TO BACKSPLASH. BACKSPLASH TO HAVE A 3/4" RADIUS EDGE.
3. PROVIDE FULL BULL NOSE EDGE @ ALL PLASTIC LAMINATE COUNTERTOPS, TYP.
4. SIDE PANEL OR BASE OF CABINET AS OCCURS.

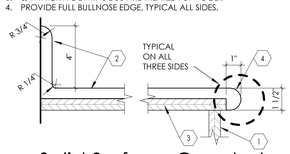


15 P-Lam Countertop Detail

SCALE: 3" = 1'-0"

KEYED NOTES

1. SIDE PANEL OF BASE CABINET, AS OCCURS.
2. SOLID SURFACE, CONTINUOUS / INTEGRAL COUNTERTOP & INTEGRAL BACKSPLASH. AT SINK LOCATIONS ALSO PROVIDE 4" HIGH INTEGRAL SIDE SPLASH, TYPICAL. SOLID SURFACE TO RUN CONTINUOUSLY FROM COUNTERTOP TO BACKSPLASH. BACKSPLASH TO HAVE A 3/4" RADIUS EDGE.
3. 3/4" THICK X CONTINUOUS FIRE TREATED PLYWOOD.
4. PROVIDE FULL BULLNOSE EDGE, TYPICAL ALL SIDES.



16 Solid Surface Countertop Detail

SCALE: 3" = 1'-0"

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Cabinet Details

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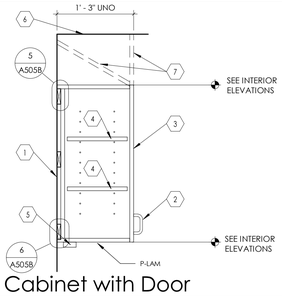
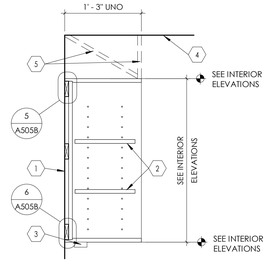


KEYED NOTES

1. LINE OF WALL.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. ADJUSTABLE SHELVING. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
5. UNDER CABINET LIGHT WHERE OCCURS. SEE ELECTRICAL DRAWINGS FOR UNDER CABINET LIGHT FIXTURE LOCATIONS.
6. LINE OF CEILING. SEE REFLECTED CEILING PLAN.
7. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. ALSO SEE DETAILS 7/A505B AND 12/A505B.

1 Wall Cabinet with Door

SCALE: 1" = 1'-0"



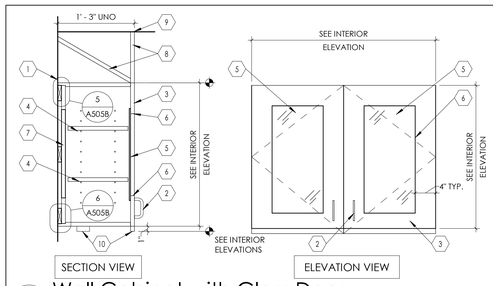
KEYED NOTES

1. LINE OF WALL
2. ADJUSTABLE SHELF. SEE ELEVATIONS FOR NUMBER OF ADJUSTABLE SHELVES REQUIRED. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
3. PROVIDE PLASTIC LAMINATE FASCIA PANEL IN PLACES WHERE UNDER CABINET LIGHT OCCURS. SEE ELECTRICAL DRAWINGS FOR UNDER CABINET LIGHT FIXTURE LOCATIONS.
4. LINE OF CEILING. SEE REFLECTED CEILING PLAN.
5. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. ALSO SEE DETAILS 7/A505B AND 12/A505B.

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

2 Wall Cabinet without Door

SCALE: 1" = 1'-0"

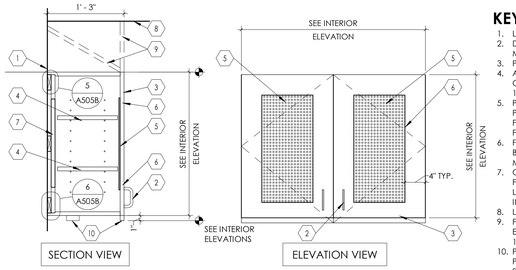


KEYED NOTES

1. LINE OF WALL.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. ADJUSTABLE SHELF. SEE ELEVATIONS FOR NUMBER OF ADJUSTABLE SHELVES REQUIRED. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
5. PROVIDE 1/4" THICK TEMPERED GLASS.
6. FINISH THIS EDGE OF OPENING WITH EDGE BANDING (PVC OR PLASTIC LAMINATE) MATCHING DOOR EDGES.
7. OPENING IN BACK PANEL FOR CABLE ACCESS. FIELD VERIFY REQUIRED OPENING SIZE BASED ON LOCATION OF DATA & POWER OUTLETS RECESSED IN THE WALL.
8. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. ALSO SEE DETAILS 7/A505B AND 12/A505B.
9. LINE OF CEILING.
10. PROVIDE PLASTIC LAMINATE FASCIA PANEL IN PLACES WHERE UNDER CABINET LIGHT OCCURS. SEE ELECTRICAL DRAWINGS FOR UNDER CABINET LIGHT FIXTURE LOCATIONS.

3 Wall Cabinet with Glass Door

SCALE: 1" = 1'-0"

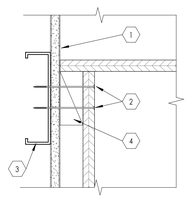


KEYED NOTES

1. LINE OF WALL.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. ADJUSTABLE SHELF. SEE ELEVATIONS FOR NUMBER OF ADJUSTABLE SHELVES REQUIRED. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
5. PROVIDE VENTILATION OPENING COVERED WITH PERFORATED ALUMINUM SHEET. ATTACH SHEET FROM CABINET DOOR BEHIND WITH STRAPS AND FASTENERS AS REQUIRED.
6. FINISH THIS EDGE OF OPENING WITH EDGE BANDING (PVC OR PLASTIC LAMINATE) MATCHING DOOR EDGES.
7. OPENING IN BACK PANEL FOR CABLE ACCESS. FIELD VERIFY REQUIRED OPENING SIZE BASED ON LOCATION OF DATA & POWER OUTLETS RECESSED IN THE WALL.
8. LINE OF CEILING.
9. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. ALSO SEE DETAILS 7/A505B AND 12/A505B.
10. PROVIDE PLASTIC LAMINATE FASCIA PANEL IN PLACES WHERE UNDER CABINET LIGHT OCCURS. SEE ELECTRICAL DRAWINGS FOR UNDER CABINET LIGHT FIXTURE LOCATIONS.

4 Wall Cabinet with Perforated Door

SCALE: 1" = 1'-0"

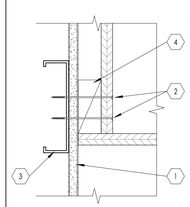


KEYED NOTES

1. FACE OF WALL ASSEMBLY
2. 2 #12 S.M.S. @ 16" O.C. MIN. AND 3" FROM EACH END.
3. BACKING PLATE TYPE 1, FOR BACKING PLATE DETAIL SEE - 5/A502A
4. SOLID BLOCKING TYP.

5 Wall Cabinet Anchorage - Top

SCALE: 3" = 1'-0"

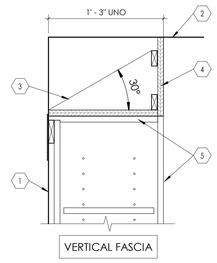


KEYED NOTES

1. FACE OF WALL ASSEMBLY
2. 2 #12 S.M.S. @ 16" O.C. MIN. AND 3" FROM EACH END.
3. BACKING PLATE TYPE 1. FOR BACKING PLATE DETAIL SEE - 5/A502A
4. SOLID BLOCKING TYP.

6 Wall Cabinet Anchorage - Bottom

SCALE: 3" = 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. PLASTIC LAMINATE CLOSER PANEL TO CEILING ABOVE. PLASTIC LAMINATE WRAPPED OVER PLYWOOD.
5. WALL CABINET AS OCCURS.

7 Wall Cabinet Fascia

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

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. SEE INTERIOR ELEVATIONS FOR NUMBER OF SHELVES REQUIRED. NOTCH SHELF 1/8" AT SUPPORT TO PREVENT SLIDE OUT.
8. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAILS 7/A505B AND 12/A505B.

8 Tall Cabinet with One 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. 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 SHELVING. 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 ELEVATIONS. SEE DETAILS 7/A505B AND 12/A505B.
10. LINE OF CEILING.

9 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 15" W X 18" D X 24" H. ALL INTERIOR SURFACES TO HAVE P-LAM.
9. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL 7/A505B.
10. GYPSUM BOARD SOFFIT ABOVE. SEE CEILING PLANS

10 P-LAM Lockers

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. PRIVIDE COAT HOOKS AT THE BACK OF EACH LOCKER.
8. PLASTIC LAMINATE LOCKERS 15" W X 18" D X 24" H. ALL INTERIOR SURFACES TO HAVE P-LAM.
9. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL 7/A505B.
10. GYPSUM BOARD SOFFIT ABOVE. SEE CEILING PLANS
11. ADJUSTABLE SHELVING. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.

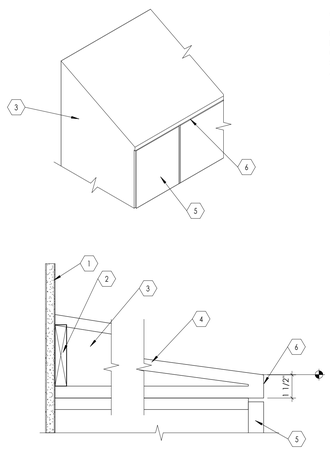
11 Tall Cabinet with Locker

SCALE: 1" = 1'-0"

KEYED NOTES

1. FACE OF WALL ASSEMBLY.
2. SOLID BLOCKING, TYP.
3. END PANEL AT BOTH ENDS TO BE CONTINUOUS WITHOUT BREAK / REVEAL BETWEEN SLOPED DUST TOP AND WALL OR FULL HEIGHT CABINET.
4. SLANTED DUST TOP, TYP.
5. FACE OF WALL OF FULL HEIGHT CABINET OCCURS, WITH 1/4" REVEAL AT TOP AS SHOWN, TYP.
6. 1 1/2" DEEP SINGLE PIECE P-LAM FASCIA.

NOTE:
PROVIDE SLANTED DUST TOPS AT ALL UNITS WHERE FINISHED CEILING IS 8'-7" OR MORE. PROVIDE CLOSURE PANEL TO UNDERSIDE OF CEILING WITH REVEAL AT CEILINGS 8'-6" OR LESS, TYP. UNO.
ALSO SEE DETAIL 13/A505B FOR SLOPE TOP DETAIL - ISOMETRIC VIEW



12 Slanted Dust Top Detail

SCALE: 3" = 1'-0"

KEYED NOTES

1. END PANEL AT BOTH ENDS TO BE CONTINUOUS WITHOUT BREAK/REVEAL BETWEEN SLOPED DUST TOP AND WALL OR FULL HEIGHT CABINET.
2. SLANTED DUST TOP, TYP.

13 Slope Top Detail at Corner Cabinet

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

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NJRA Project # 18216.00
Construction Documents June 28, 2021

Cabinet Details

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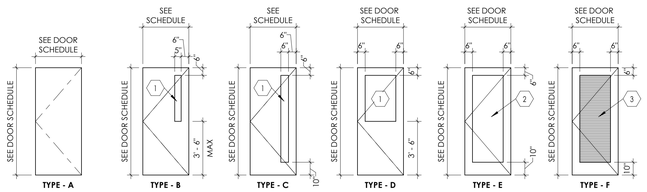
DOOR SCHEDULE

DOOR #	DOOR							FRAME			DETAILS			FIRE RATING (MINUTES)	Hardware Set	COMMENTS
	# OF PANELS	WIDTH		SIZE				TYPE (2/A601A)	DEPTH	MATERIAL	HEAD	JAMB	THRESHOLD			
		W1	W2	HEIGHT	THICKNESS	MATERIAL	TYPE (1/A601A)									
A304A	1	3' - 0"		7' - 0"	1 3/4"	WD	B	DF1	5 7/8"	HM	1/A601B	2/A601B			1.0	CR
A305A	1	3' - 0"		7' - 0"	1 3/4"	WD	A	DF1	8 1/4"	HM	3/A601B	4/A601B			4.0	4LB LEAD LINED, PROVIDE HOLD OPEN DOOR CLOSER
A305B	2	3' - 0"	3' - 0"	7' - 0"	1 3/4"	WD	B	DF1	5 7/8"	HM	3/A601B	4/A601B			3.0	CR, AUTO, 4LB LEAD LINED
A306A	4	12' - 0"		7' - 5 3/4"	PER MFR	AL & GL	PER MFR	PER MFR	PER MFR	AL	10/A601B	9/A601B			5.0	3M FASARA FILM ON GLASS
A309A	1	3' - 6"		7' - 0"	1 3/4"	WD	A	DF1	10 3/4"	HM	3/A601B	4/A601B			2.0	CR, AUTO, 16LB LEAD LINED, PROVIDE 14GA STUDS FOR FRAMING AROUND THIS DOOR OPENING.
A310A	1	3' - 6"		7' - 0"	1 3/4"	WD	A	DF1	10 3/4"	HM	3/A601B	4/A601B			2.0	CR, AUTO, 16LB LEAD LINED, PROVIDE 14GA STUDS FOR FRAMING AROUND THIS DOOR OPENING.

NOTES:
1. FLOAT FLOOR TO PROVIDE SMOOTH TRANSITION AT NEW AND EXISTING RESILIENT FLOORING.



NOTE: REFER TO PLANS AND SCHEDULE FOR DOOR TYPES USED IN THE PROJECT. SOME DOOR TYPES MAY NOT BE IN PROJECT.

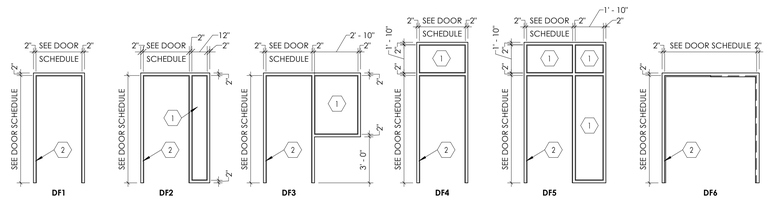
1 Door Types

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

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.

KEYED NOTES

1. GLAZING IN VISION PANELS AT DOORS SHALL BE 1/4" THICK, CLEAR TEMPERED GLAZING. PROVIDE WOOD FRAME FLUSH WITH THE FACE OF THE DOOR, AROUND OPENING. STAIN AND SPECIES SHALL MATCH WOOD DOOR. DOOR TO BE FACTORY GLAZED. PROVIDE FIRE RATED GLAZING IN FIRE RATED DOORS AND LEAD LINED GLAZING AT LEAD DOORS. SEE DOOR SCHEDULE FOR FIRE RATING AND LEAD LINED RATING.
2. EXTERIOR DOORS OF THIS TYPE TO RECEIVE CLEAR, INSULATED, TEMPERED GLAZING 1" THICK. INTERIOR DOORS OF THIS TYPE TO RECEIVE CLEAR, TEMPERED GLAZING 1/4" THICK. PROVIDED LOW E COATING ON ALL INSULATED GLASS UNITS. DOOR TO BE FACTORY GLAZED.
3. STAINLESS STEEL WELDED WIRE MESH (15 GAUGE WIRE MESH). ATTACHED TO DOOR. PROVIDE FRAME AROUND THE OPENING IN DOOR TO SECURE THE MESH IN PLACE.



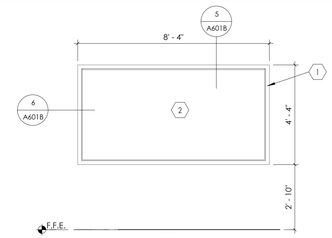
NOTE: REFER TO PLANS AND SCHEDULE FOR FRAME TYPES USED IN THE PROJECT. SOME FRAME TYPES MAY NOT BE USED IN PROJECT.

2 Frame Types

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

KEYED NOTES

1. CLEAR, TEMPERED GLAZING, 1/4" THICK.
2. DOOR FRAME, SEE DOOR SCHEDULE.



3 Window Type

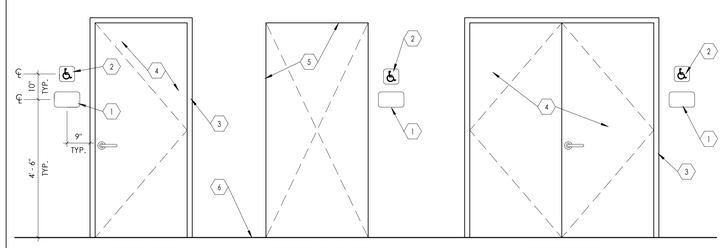
SCALE: 3/8" = 1'-0"

KEYED NOTES

1. LEAD LINED HOLLOW METAL WINDOW FRAME. PAINT FRAME
2. 4 LB LEAD LINED GLAZING.

KEYED NOTES

1. SIGNAGE, O.F.O.I.
2. SIGN AT ALL ACCESSIBLE LOCATIONS, O.F.O.I.
3. DOOR FRAME, SEE DOOR SCHEDULE.
4. DOOR, SEE DOOR SCHEDULE.
5. OPENING IN WALL.
6. LINE OF FLOOR.



9 Sign Mounting Elevation

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

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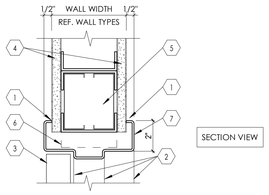
Construction Documents June 28, 2021

Door and Window Schedule

A601A

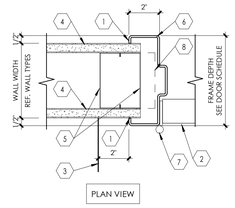


KEYED NOTES

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, TYPICAL. ATTACH TO METAL STUDS. SEE WALL TYPES.
5. DOOR HEADER FRAMING, SEE DETAIL **6 / A502A**
6. STEEL ANCHORS. ATTACH TO METAL STUDS WITH #8 PAN HEAD S.M.S., TYP. WELD TO FRAME.
7. HOLLOW METAL DOOR FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS. PAINT FRAME.

1 Door Frame Head Detail

SCALE: 3" = 1'-0"

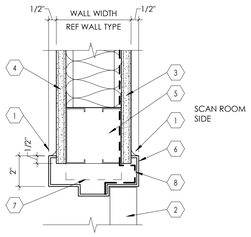


KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. DOOR, SEE DOOR SCHEDULE FOR DOOR TYPE.
3. LINE OF ADJACENT WALL AS OCCURS.
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. DOOR HINGE AS OCCURS. SEE DOOR AND HARDWARE SCHEDULE. SEE FLOOR PLAN FOR DOOR SWING.
8. STEEL ANCHORS. ATTACH TO METAL STUDS WITH #8 PAN HEAD S.M.S., TYP. WELD TO FRAME.

2 Door Frame Jamb Detail

SCALE: 3" = 1'-0"

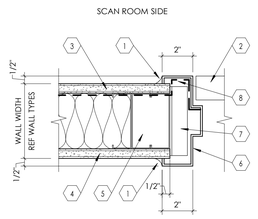


KEYED NOTES

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.

3 Door Frame Head Detail - Lead Lined

SCALE: 3" = 1'-0"

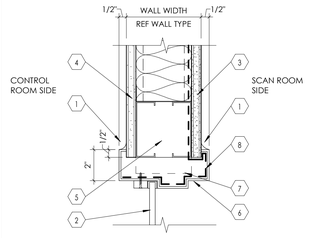


KEYED NOTES

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.

4 Door Frame Jamb Detail - Lead Lined

SCALE: 3" = 1'-0"

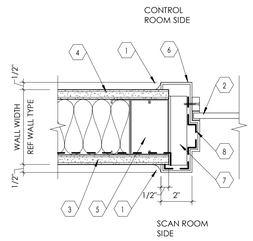


KEYED NOTES

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 Hollow Metal Window Frame Head Detail - Lead Lined

SCALE: 3" = 1'-0"

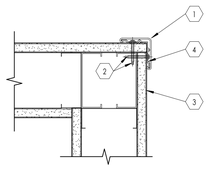


KEYED NOTES

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 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.

6 Hollow Metal Window Frame Jamb Detail - Lead Lined

SCALE: 3" = 1'-0"

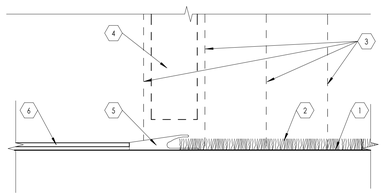


KEYED NOTES

1. HIGH IMPACT CORNER GUARD WITH ALUMINUM RETAINER. BASIS OF DESIGN C/S ACROVYN 2" X 2" X 3'-9" SURFACE MOUNTED CORNER GUARD.
2. SELF-TAPPING SCREWS
3. GYPSUM WALL BOARD AS OCCURS. SEE WALL TYPES.
4. CONTINUOUS ALUMINUM RETAINER.

7 Corner Guard Detail

SCALE: 3" = 1'-0"



KEYED NOTES

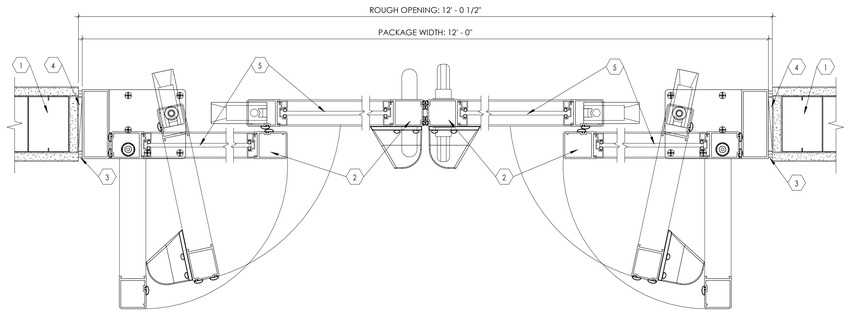
1. LINE OF CONCRETE FLOOR.
2. CARPET FLOORING. SEE FINISH SCHEDULE.
3. DOOR FRAME AS OCCURS. SEE DOOR SCHEDULE.
4. DOOR AS OCCURS. SEE DOOR SCHEDULE.
5. EXTRUDED OR MOLDED HEAVY DUTY VINYL OR RUBBER EDGE STRIP. ANCHORAGE FLANGE TO BE LESS THAN 2" WIDE. COLOR TO BE SELECTED BY ARCHITECT.
6. RESILIENT FLOORING. SEE FINISH SCHEDULE.

8 Floor Transition - Carpet/Resilient

SCALE: 6" = 1'-0"

KEYED NOTES

1. SEE DETAIL **7 / A502A** FOR FRAMING AT DOOR JAMB.
2. MANUAL SLIDING DOOR, ALUMINUM AND GLASS, AS SCHEDULED.
3. PROVIDE CLEAR SILICON CAULKING ALL AROUND DOOR - BOTH SIDES.
4. SHIM AS REQUIRED.
5. 5/8" THICK, INSULATED GLAZING WITH 3M FASARA FILM.

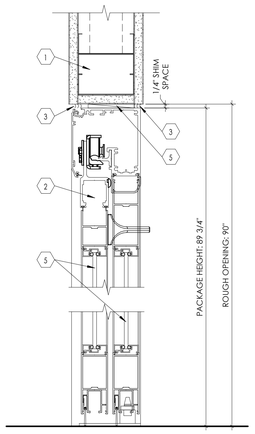


9 Sliding Door Jamb Detail

SCALE: 3" = 1'-0"

KEYED NOTES

1. SEE DETAIL **6 / A502A** FOR FRAMING AT DOOR HEADER.
2. MANUAL SLIDING DOOR, ALUMINUM AND GLASS, AS SCHEDULED.
3. PROVIDE CLEAR SILICON CAULKING ALL AROUND DOOR - BOTH SIDES.
4. SHIM AS REQUIRED.
5. 5/8" THICK, INSULATED GLAZING WITH 3M FASARA FILM.



10 Sliding Door Head Detail

SCALE: 3" = 1'-0"

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267857-0301
LICENSED ARCHITECT
06/28/21

Intermountain Healthcare
McKay-Dee Hospital
PET/CT Remodel

4401 Harrison Blvd
Ogden, Utah 84403

NJRA Project # 18216.00
Construction Documents June 28, 2021

Door, Window & Transition Details

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LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

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

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

  (WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.)
- W R — R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
- 12/12 8/8 — RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
- 12/12 12ø — RECTANGULAR TO ROUND DUCT TRANSFORMATION
- R 6 — BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
- 1.5D 2.5D 45° D D — TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
- 12ø 12/12 — HIGH EFFICIENCY FITTING
- MANUAL VOLUME DAMPER
- FD — FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
- FSD — COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
- SD — SMOKE DAMPER W/ ACCESS PANEL
- BDD — BACK DRAFT DAMPER
- ATC OR — ATC DAMPER
- AD — ACCESS PANEL IN DUCT OR PLENUM
- HEATING OR COOLING COIL IN DUCT
- SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
- 4-WAY BLOW PATTERN
- 3-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 1-WAY BLOW PATTERN
- SD — DUCT SMOKE DETECTOR

PIPING

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

PLUMBING

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

EQUIPMENT

- UNIT HEATER
- INLINE PUMP
- INLINE PUMP
- FAN

FIRE

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

ANNOTATIONS

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

LINETYPES

- AV — ACID VENT
- AW — ACID WASTE
- BBD — BOILER BLOW DOWN
- BF — BOILER FEED WATER
- B — BRINE
- C02 — CARBON DIOXIDE
- CA — COMPRESSED AIR
- CF — CHEMICAL FEED
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RETURN (DHWR)
- DI — DEIONIZED WATER SUPPLY
- DIR — DEIONIZED WATER RETURN
- E(NAME) — EXISTING PIPING
- (NAME) — EXISTING PIPING TO BE REMOVED
- GHR — GLYCOL HEAT RECOVERY PIPING
- G(NAME) — GLYCOL PIPING SOLUTION
- FOR — FUEL OIL RETURN
- FOS — FUEL OIL SUPPLY
- FOV — FUEL OIL VENT
- FVS — FLUSH VALVE SUPPLY
- G — NATURAL GAS
- HG — HOT GAS
- HFR — HELICOPTER FUEL RETURN
- HFS — HELICOPTER FUEL SUPPLY
- HP(NAME) — HIGH PRESSURE DOMESTIC WATER
- HPC — HIGH PRESSURE CONDENSATE
- HPS — HIGH PRESSURE STEAM
- HWR — HEATING HOT WATER RETURN
- HWS — HEATING HOT WATER SUPPLY
- IA — INSTRUMENT AIR
- IA 120 — INSTRUMENT AIR AT PRESSURE INDICATED
- ICW — INDUSTRIAL COLD WATER
- IHW — INDUSTRIAL HOT WATER
- IHWR — INDUSTRIAL HOT WATER RETURN
- ISCW — INDUSTRIAL SOFT COLD WATER
- LA — LAB AIR
- LV — LAB VACUUM
- LPC — LOW PRESSURE CONDENSATE
- LPG — LIQUIFIED PETROLEUM GAS
- LPS — LOW PRESSURE STEAM
- LW — LAB WATER
- LWR — LAB WATER RETURN
- MA — MEDICAL AIR
- MA 120 — MEDICAL AIR AT PRESSURE INDICATED
- MPC — MEDIUM PRESSURE CONDENSATE
- MPS — MEDIUM PRESSURE STEAM

LINETYPES CONT.

- MUW — MAKE UP WATER
- MV — MEDICAL VACUUM
- N — NITROGEN
- N20 — NITROUS OXIDE
- OX — MEDICAL OXYGEN
- OX 120 — MEDICAL OXYGEN AT PRESSURE INDICATED
- PC — PUMPED CONDENSATE
- RO — REVERSE OSMOSIS WATER SUPPLY
- ROR — REVERSE OSMOSIS WATER RETURN
- RD — ROOF DRAIN
- RDO — ROOF DRAIN OVERFLOW
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- SEWER (BELOW GRADE)
- SEWER (ABOVE GRADE)
- SW — SOFT DOMESTIC WATER
- TW — TEMPERED WATER
- TWR — TEMPERED WATER RETURN
- V — VACUUM
- VENT (SEWER)

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NJRA Project # 18216.00
Construction Documents June 28, 2021

Mechanical Symbols and Legend

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MEDICAL GAS GENERAL NOTES

1. MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE. COORDINATE PIPING ROUTING WITH ALL OTHER POSSIBLE CONFLICTS SUCH AS DUCTWORK, DIFFUSERS, OTHER PIPING, LIGHTS, CONDUIT, STRUCTURE, ETC.

2. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.

3. SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.

4. MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.

5. NO PIPING 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.

6. MOUNT ALL SERVICE VALVES NEAR CEILING HEIGHT FOR ACCESSIBILITY.

FIRE PROTECTION GENERAL NOTES

1. NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN THE FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.

2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.

3. COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.

PLUMBING GENERAL NOTES

1. UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT.

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 CHASES SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.

5. NO PIPING 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.

6. COORDINATE FAN ROOM 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 EXACT LOCATION OF PLUMBING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, DUCTWORK, MECHANICAL PIPING, MEDICAL GASES, FIRE PROTECTION AND OTHER TRADES, TYPICAL.

18. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.

19. ACCESS DOORS SHALL BE PROVIDED TO ALL WATER HAMMER ARRESTORS IN WALLS OR ABOVE CEILINGS.

20. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.

21. HOSE BIBBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.

22. COORDINATE EXACT LOCATION OF PLUMBING PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND FIRE PROTECTION PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.

23. LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24"X24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING.

24. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.

25. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.

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

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

c) LOCATE AT THE BASE OF EACH VERTICAL STACK.

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. WHERE VALVING OR EQUIPMENT IS LOCATED ABOVE HARD CEILINGS PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24"X24".

4. NO PIPING 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.

5. SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.

6. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.

7. ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.

8. PROVIDE AN AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.

9. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.

10. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.

11. PROVIDE ISOLATION VALVES AT EACH EXIT/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.

12. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.

13. COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL.

14. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

MECHANICAL 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 BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. SEE SPECIFICATION, TYPICAL.

6. 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.

7. PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.

8. INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.

9. CONTRACTOR SHALL OFF-SET, TRANSITION AND PROVIDE CHANGES AS REQUIRED FOR COORDINATION WITH OTHER TRADES, TYPICAL.

10. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER.

11. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.

12. PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK.

13. PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.

14. WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.

15. 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.

16. 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.

17. 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.

18. ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. 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.

19. PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MIN. 24" X 24".

20. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.

21. ALL DUCTWORK ABOVE HARD CEILINGS SHALL BE EXTENDED ALL THE WAY TO THE SUPPLY DIFFUSERS, RETURN GRILLS OR EXHAUST GRILLS WHETHER OR NOT HARD DUCT OR FLEX DUCT IS SHOWN ON PLANS. FLEX DUCT WILL NOT BE ALLOWED TO DIFFUSERS OR GRILLS ABOVE HARD CEILINGS. FLEX DUCT WILL BE REQUIRED IN AREAS ABOVE T-BAR CEILINGS.

22. 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.

23. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.

24. PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION. WHERE THERE ARE HARD CEILINGS THE CONTRACTOR SHALL PROVIDE 24"X24" ACCESS DOOR.

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Mechanical General Notes

M001

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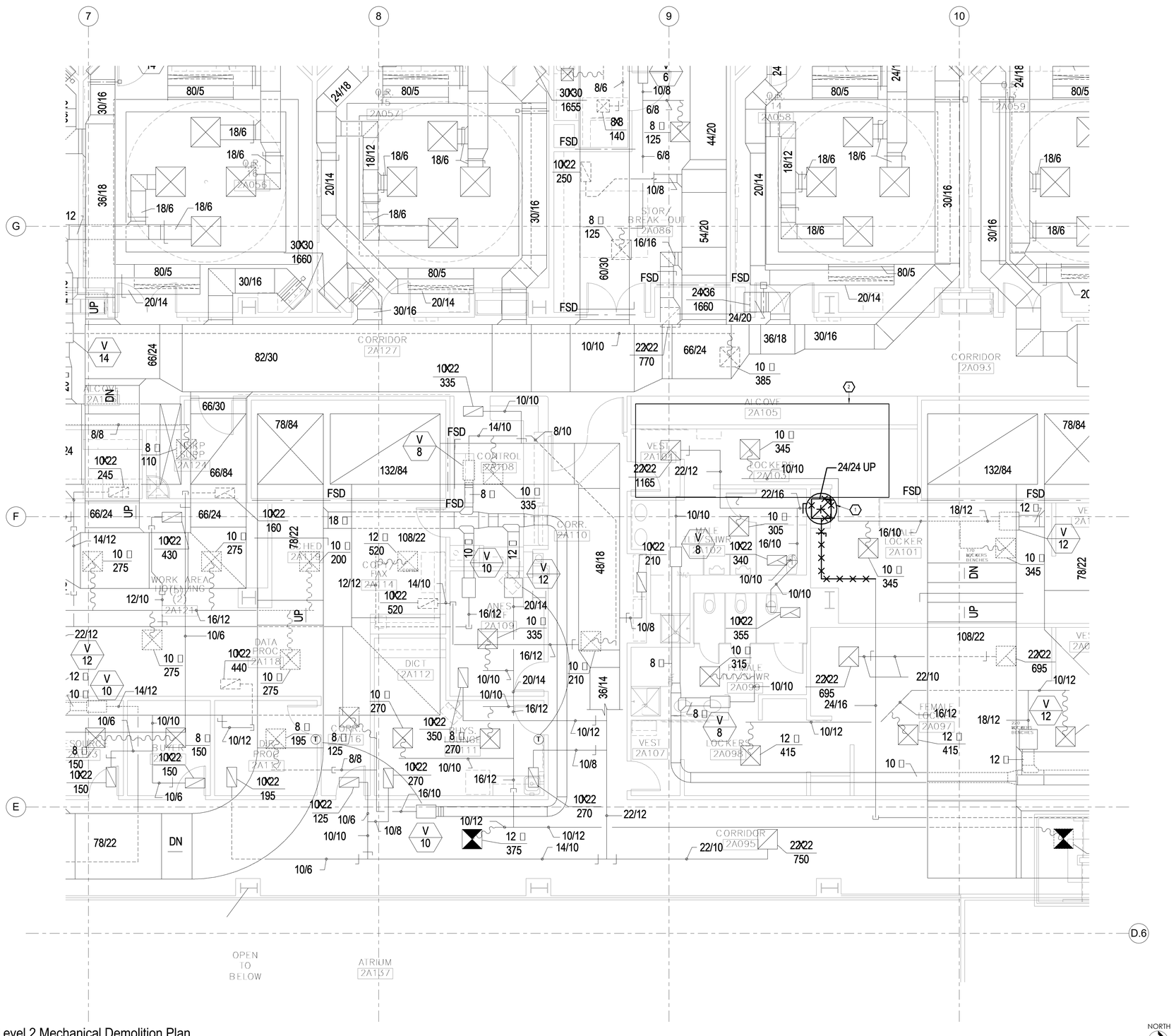

1 Level 2 Mechanical Demolition Plan
SCALE: 1/4" = 1'-0"

NORTH

6/25/2021 8:13:25 AM

KEYED NOTES

1. DEMOLISH EXISTING EXHAUST DUCT SHOWN CROSSED OUT. FIELD VERIFY EXISTING CONDITIONS.
2. REMOVE DUCTWORK AS NECESSARY TO FACILITATE INSTALLATION OF NEW BEAMS. CLEAN AND REINSTALL IN SAME CONFIGURATION.

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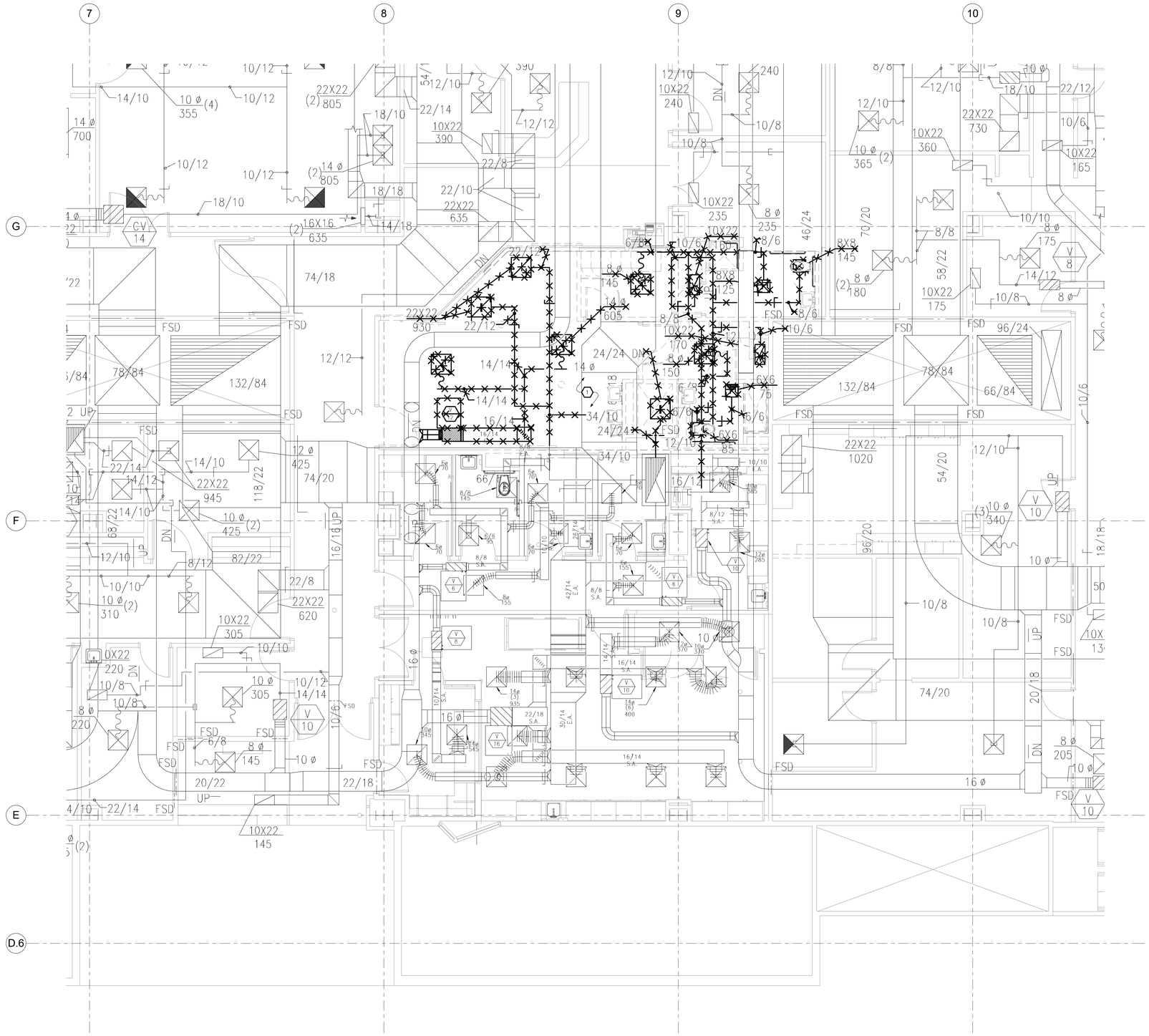
Level 2
Mechanical
Demolition
Plan

MD102



1 Level 3 Mechanical Demolition Plan
SCALE: 1/4" = 1'-0"

KEYED NOTES

1. EXISTING SHOWN LIGHT TO REMAIN. ITEMS CROSSED OUT TO BE REMOVED. CAP ALL UNUSED DUCTWORK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.

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Level 3
Mechanical
Demolition
Plan

MD103

6/25/2021 8:13:29 AM

KEYED NOTES

1. RISE EXHAUST DUCT TO FLOOR ABOVE IN NEW SHAFT.
2. CONNECT TO EXISTING DUCT AT APPROXIMATELY THIS POINT. FIELD VERIFY. TYPICAL.
3. RUN NEW EXHAUST DUCT BELOW AND TIGHT TO BEAM AT GRID LINE.
4. RISE UP TO LEVEL ABOVE EXISTING RETURN DUCT AND RUN ABOVE DUCT TO SHAFT. COORDINATE WITH EXISTING WASTE LINE.
5. REMOVE DUCTWORK AS NECESSARY TO FACILITATE INSTALLATION OF NEW BEAMS. CLEAN AND REINSTALL IN SAME CONFIGURATION.

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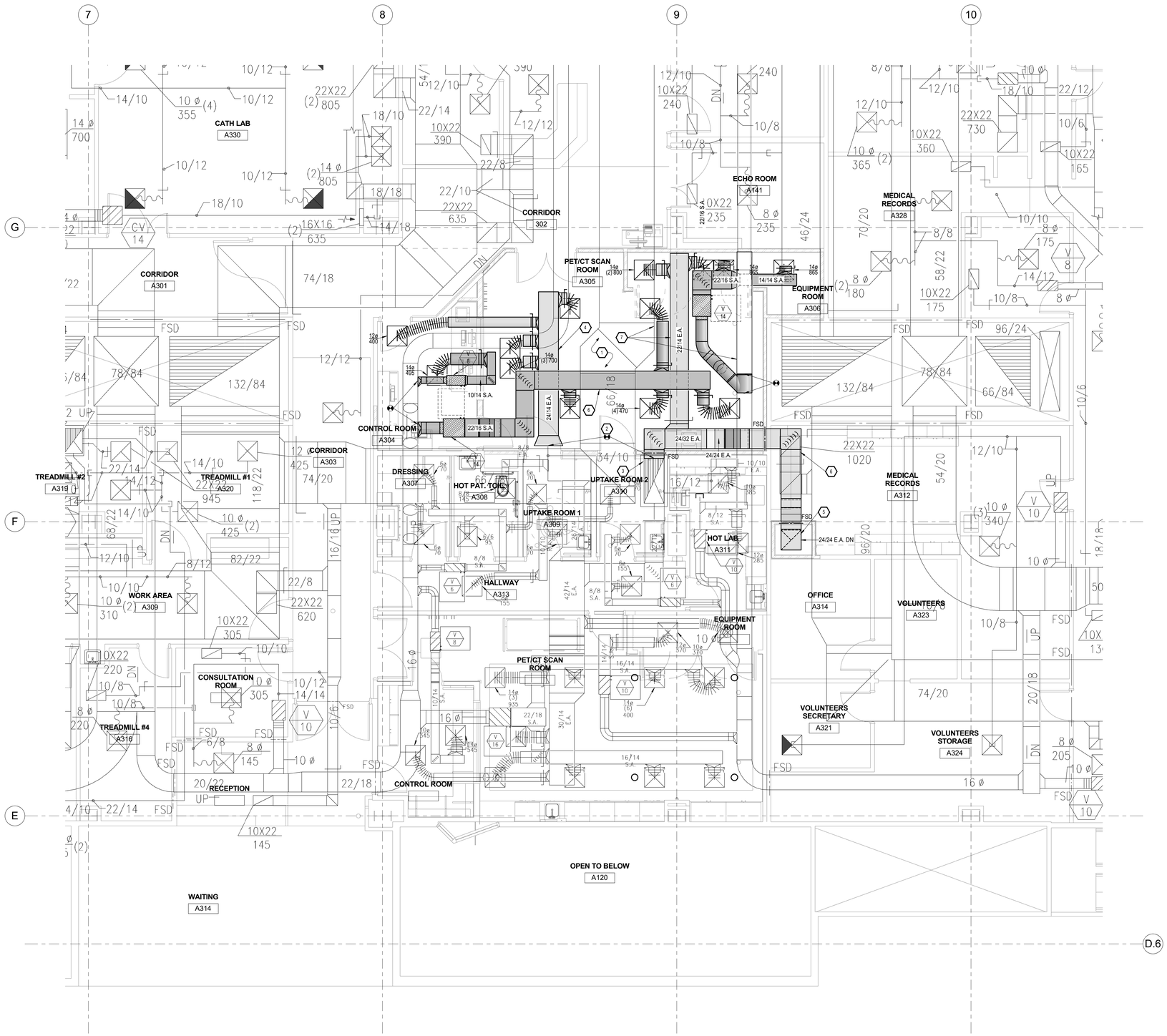
Level 2
Mechanical
Plan

M102

6/25/2021 10:42:41 AM

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

NORTH



1 Level 3 Mechanical Plan
SCALE: 1/4" = 1'-0"

NORTH

KEYED NOTES

1. EXISTING SHOWN LIGHT TO REMAIN. NEW WORK SHOWN DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2. CONNECT TO EXISTING DUCT AT APPROXIMATELY THIS POINT. FIELD VERIFY. TYPICAL.
3. REBALANCE EXHAUST FAN TO ACCOMODATE NEW AIRFLOW REQUIREMENTS.
4. ROUTE 24/14 EXHAUST DUCT IN SAME LOCATION AS DEMOLISHED DUCT.
5. DROP EXHAUST DUCT TO FLOOR BELOW IN NEW SHAFT.
6. ROUTE DUCT HIGH OVER EXISTING RETURN AIR DUCTWORK.
7. ROUTE NEW DUCTWORK HIGH OVER NEW SKY CEILING FIXTURE. RAISE EXISTING DUCTWORK AS NECESSARY TO FACILITATE INSTALLATION OF NEW SKY CEILING FIXTURE. COORDINATE EXACT LOCATION OF DUCTWORK WITH NEW SKY CEILING FIXTURE AND ARCHITECTURAL REFLECTED CEILING PLAN.

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Level 3
Mechanical
Plan

M103

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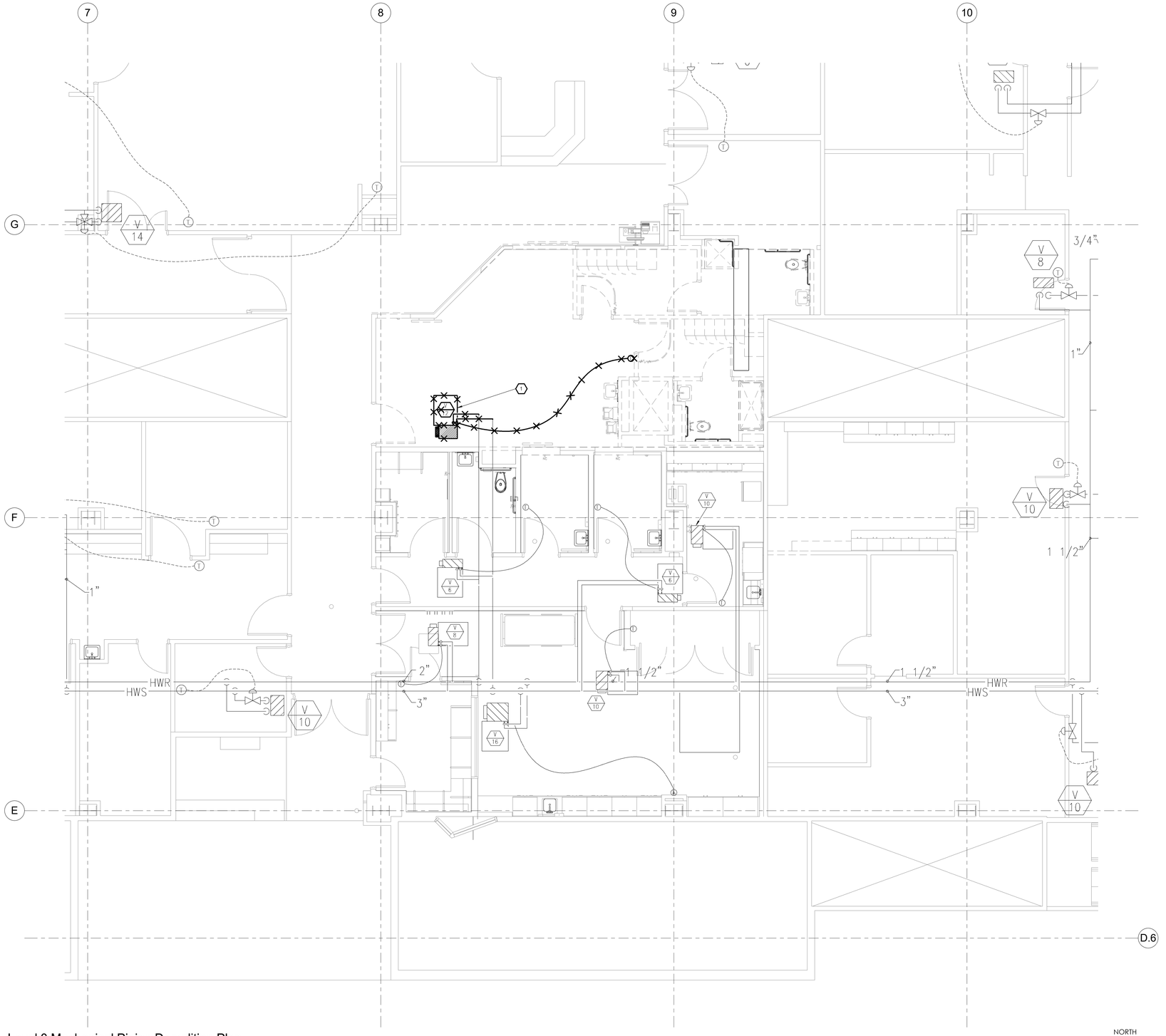

KEYED NOTES

1. DEMOLISH EXISTING VAV BOX AND THERMOSTAT.

1 Level 3 Mechanical Piping Demolition Plan
SCALE: 1/4" = 1'-0"

NORTH

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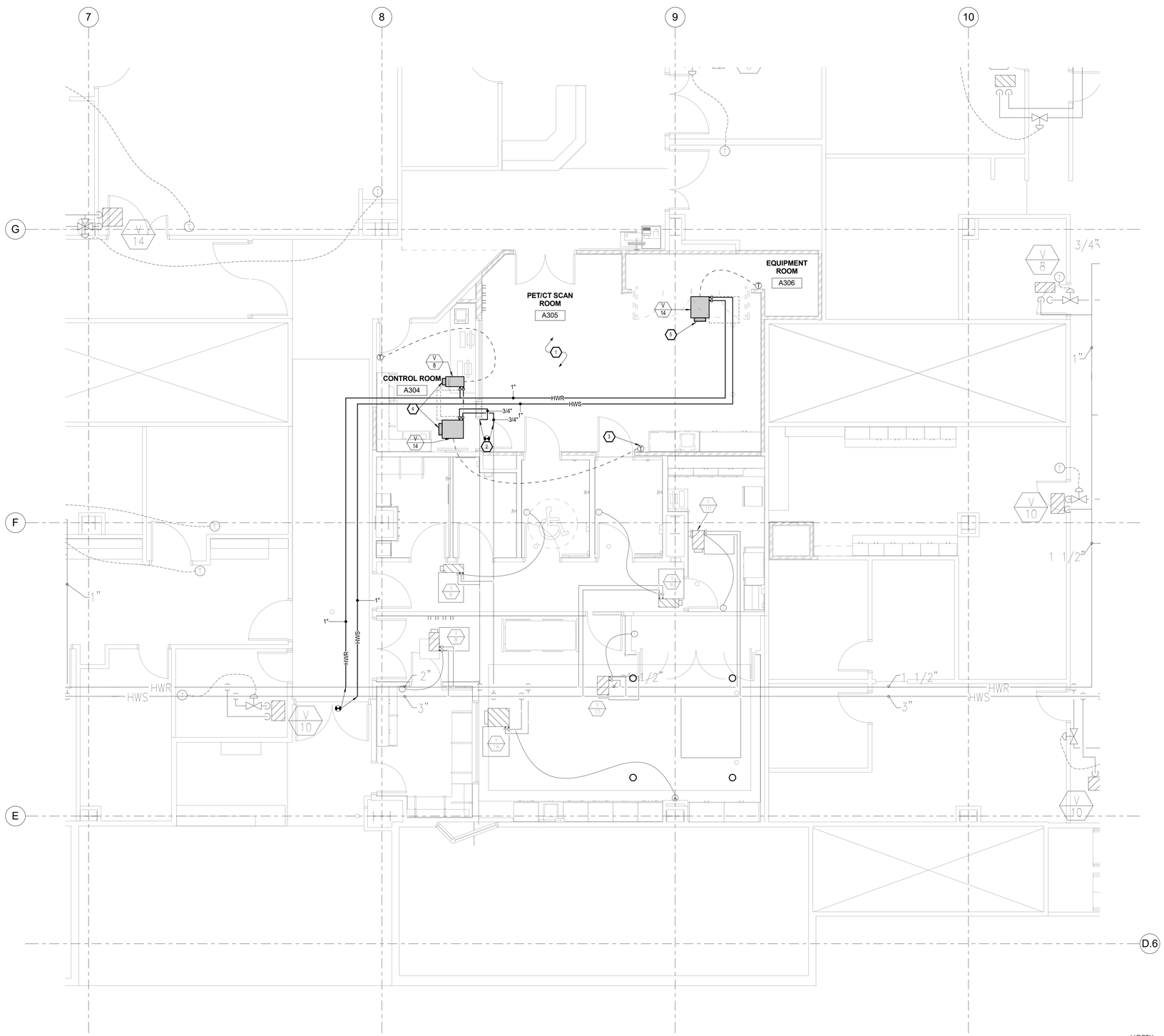
Level 3 Mechanical Piping Demolition Plan

MD203

KEYED NOTES

1. EXISTING SHOWN LIGHT TO REMAIN. ITEMS CROSSED OUT TO BE REMOVED. CAP ALL UNUSED PIPING. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2. CONNECT TO EXISTING PIPING AT APPROXIMATELY THIS POINT. FIELD VERIFY. TYPICAL.
3. NEW THERMOSTAT. COORDINATE EXACT PLACEMENT OF THERMOSTAT WITH ARCHITECTURAL ELEVATIONS, TYPICAL.
4. PROVIDE 2-WAY CONTROL VALVE ON VAV BOX PIPING. SEE DETAILS.
5. PROVIDE 3-WAY CONTROL VALVE ON VAV BOX PIPING. SEE DETAILS.



1 Level 3 Mechanical Piping Plan
SCALE: 1/4" = 1'-0"

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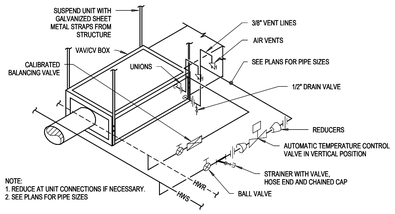
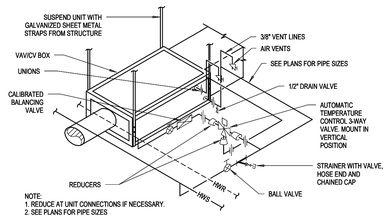
Level 3 Mechanical Piping Plan

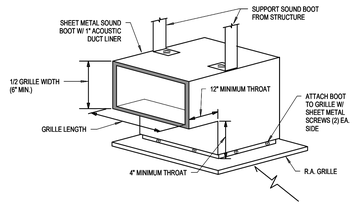
M203



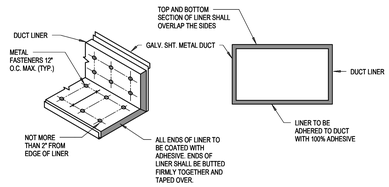
10 VAV/CV BOX PIPING DETAIL WITH 2-WAY AUTO-VALVE



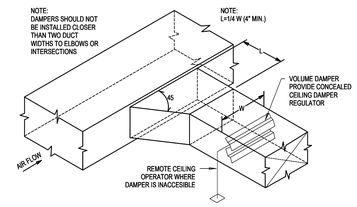
11 VAV/CV BOX PIPING DETAIL WITH 3-WAY AUTO-VALVE



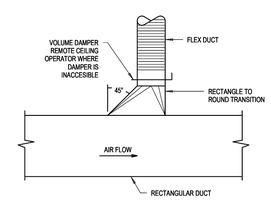
6 R.A. GRILLE WITH SOUND BOOT



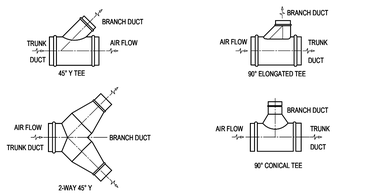
7 DUCT LINER DETAIL



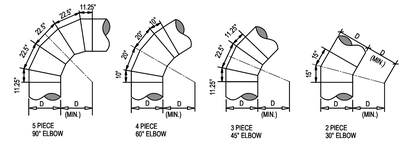
8 BRANCH DUCT TAKE-OFF & DAMPER DETAIL



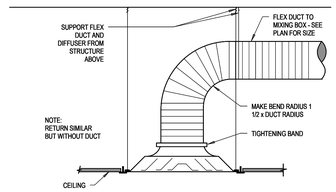
9 HIGH EFFICIENCY TAKE-OFF DETAIL



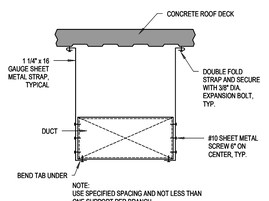
1 ROUND DUCT BRANCH TAKE-OFF DETAILS



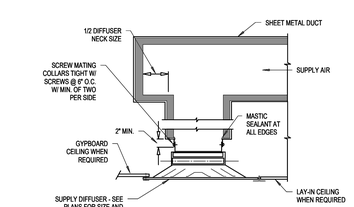
2 ROUND DUCT ELBOW DETAILS



3 DIFFUSER CONNECTION DETAIL



4 RECTANGULAR DUCT SUPPORT



5 TYPICAL EXHAUST GRILLE DETAIL

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Mechanical Details

M501

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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	MAX. FLUID PRESSURE DROP (FT)	COIL MIN. COIL ROWS	PIPE SIZE (IN)	BALANCING VALVE SIZE (IN)	REMARKS
V-6	TITUS-ESV-3	6	400	240	80	52	100	0.5	28	9.9	1	180	H. WATER	1	2	3/4	1/2	1,2,3,4,5,6
V-8	TITUS-ESV-3	8	700	420	145	52	100	0.65	28	17.4	1.5	180	H. WATER	1	2	3/4	1/2	1,2,3,4,5,6
V-10	TITUS-ESV-3	10	1100	660	230	52	100	0.65	26	27..3	2	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
V-12	TITUS-ESV-3	12	1600	960	325	52	100	0.65	26	39.7	2.5	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
V-14	TITUS-ESV-3	14	2200	1320	450	52	100	0.65	26	54.6	3	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
V-16	TITUS-ESV-3	16	2800	1680	580	52	100	0.7	26	69.6	3.5	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
V-20	TITUS-ESV-3	24X16 FO	4200	2520	1260	52	100	0.7	29	104.3	5	180	H. WATER	1.5	2	1	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 MAIXIMUM 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.

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	DESCRIPTION	
CD-1	EH PRICE	SPD	FACE STYLE: SQUARE PLAQUE DIFFUSER FACE SIZE: 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE APPLICATION: ENGINEERED VAV SYSTEMS MATERIAL: STEEL FINISH: B12 WHITE POWDERCOAT	MOUNTING-FRAME: SURFACE OR LAY-IN, (C/W CEILING TYPE.) PATTERN: 360° RADIAL HORIZONTAL AIR PATTERN DAMPER: OPPOSED BLADE MAX NC - 30 DAMPER: NONE REMOVABLE FACE
RG-1	EH PRICE	PDDR	FACE STYLE: PERFORATED RETURN AIR UNIT FACE SIZE: 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. APPLICATION: AIR RETURN MATERIAL: STEEL FINISH: B12 WHITE POWDERCOAT	MOUNTING-FRAME: SURFACE OR LAY-IN, (C/W CEILING TYPE.) DAMPER: NONE MAX NC - 30 REMOVABLE FACE & CORE
EG-1	EH PRICE	80	FACE STYLE: CRATE RETURN AIR UNIT FACE SIZE: 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE APPLICATION: PRESSURIZED AIR RETURN MATERIAL: ALUMINUM FINISH: B12 WHITE POWDERCOAT	MOUNTING-FRAME: SURFACE OR LAY-IN, (C/W CEILING TYPE.) DAMPER: OPPOSED BLADE MAX NC - 30 REMOVABLE FACE & CORE

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Intermountain Healthcare
McKay-Dee Hospital
PET/CT Remodel

4401 Harrison Blvd
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Mechanical Schedules

M601

6/25/2021 8:13:17 AM

KEYED NOTES

1. EXISTING SHOWN LIGHT TO REMAIN. NEW WORK SHOWN DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2. DEMOLISH PIPNG SHOWN CROSSED-OUT.
3. DEMOLISH EXISTING PIPING THAT CONFLICTS WITH NEW MECHANICAL SHAFT LOCATION.
4. LAVATORY RISER SHALL REMAIN. SEE NEW PLUMBING PLAN FOR REROUTE OF ASSOCIATED WASTE PIPING.
5. REMOVE DUCTWORK AS NECESSARY TO FACILITATE INSTALLATION OF NEW BEAMS. CLEAN AND REINSTALL IN SAME CONFIGURATION.

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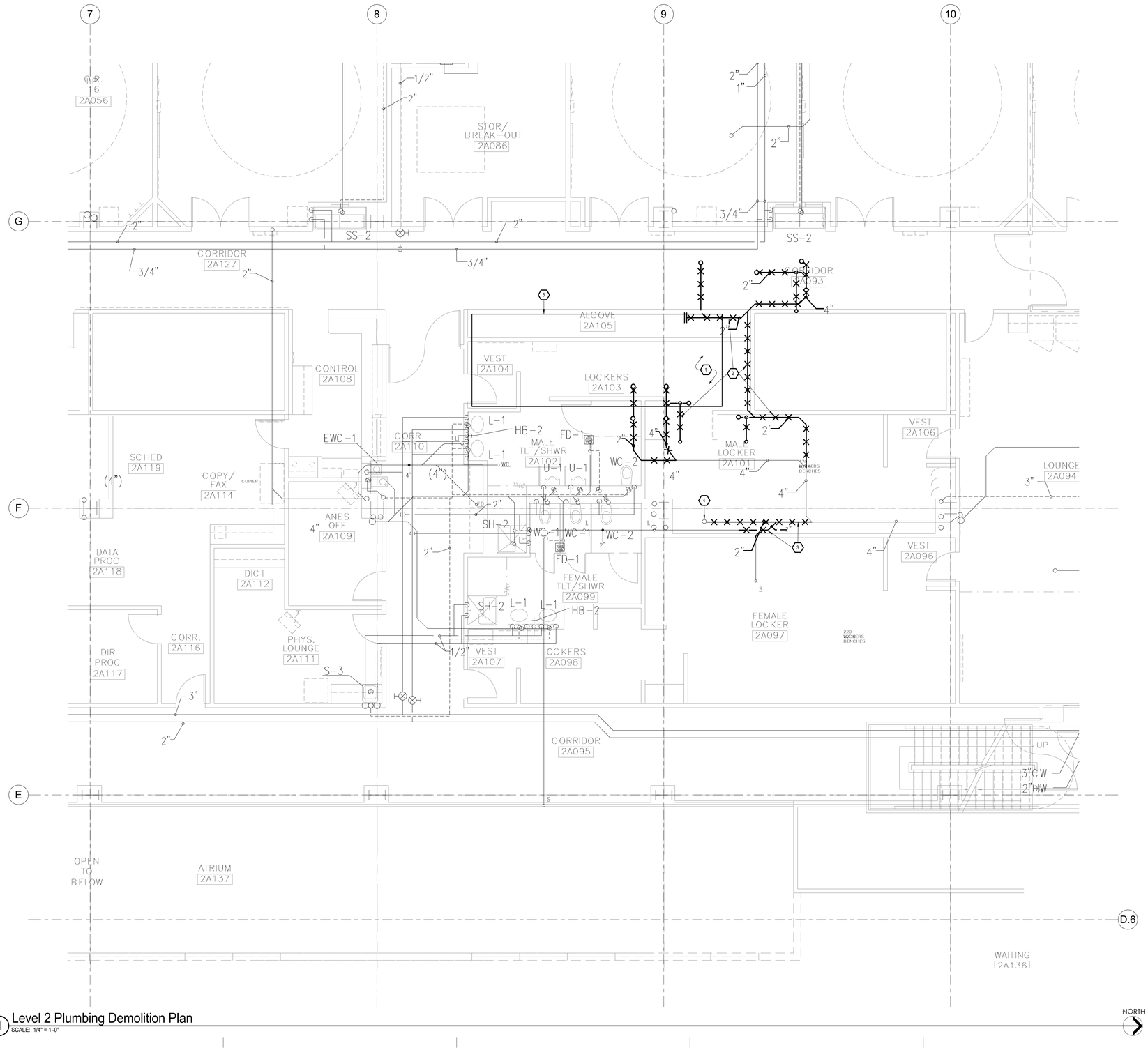

1 Level 2 Plumbing Demolition Plan
SCALE: 1/4" = 1'-0"

NORTH

6/25/2021 8:13:45 AM

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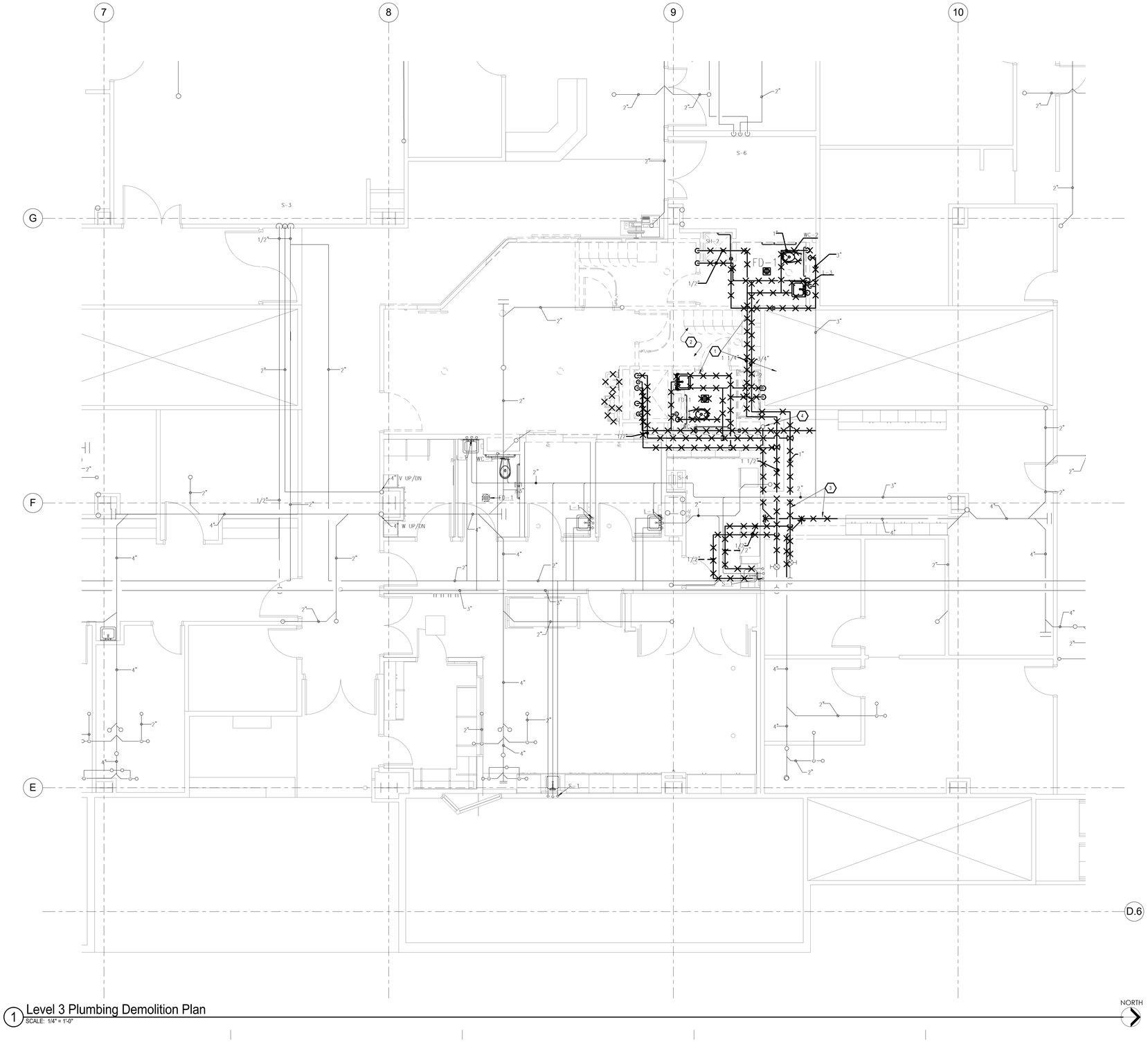
Level 2
Plumbing
Demolition
Plan

PD102



1 Level 3 Plumbing Demolition Plan
SCALE: 1/4" = 1'-0"

NORTH

6/25/2021 8:13:49 AM

KEYED NOTES

1. DEMOLISH ALL FIXTURES AND PIPING SHOWN CROSSED OUT. DEMOLISH PIPING BACK TO WITHIN 6 INCHES OF MAINS AND CAP.
2. EXISTING SHOWN LIGHT TO REMAIN. NEW WORK SHOWN DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
3. DEMOLISH EXISTING PIPING THAT CONFLICTS WITH NEW MECHANICAL SHAFT LOCATION.
4. EXISTING WASTE RISER TO REMAIN. DEMOLISH ASSOCIATED DOWNSTREAM WASTE BRANCH AS SHOWN. SEE NEW PLUMBING PLAN FOR REROUTE OF ASSOCIATED WASTE PIPING.

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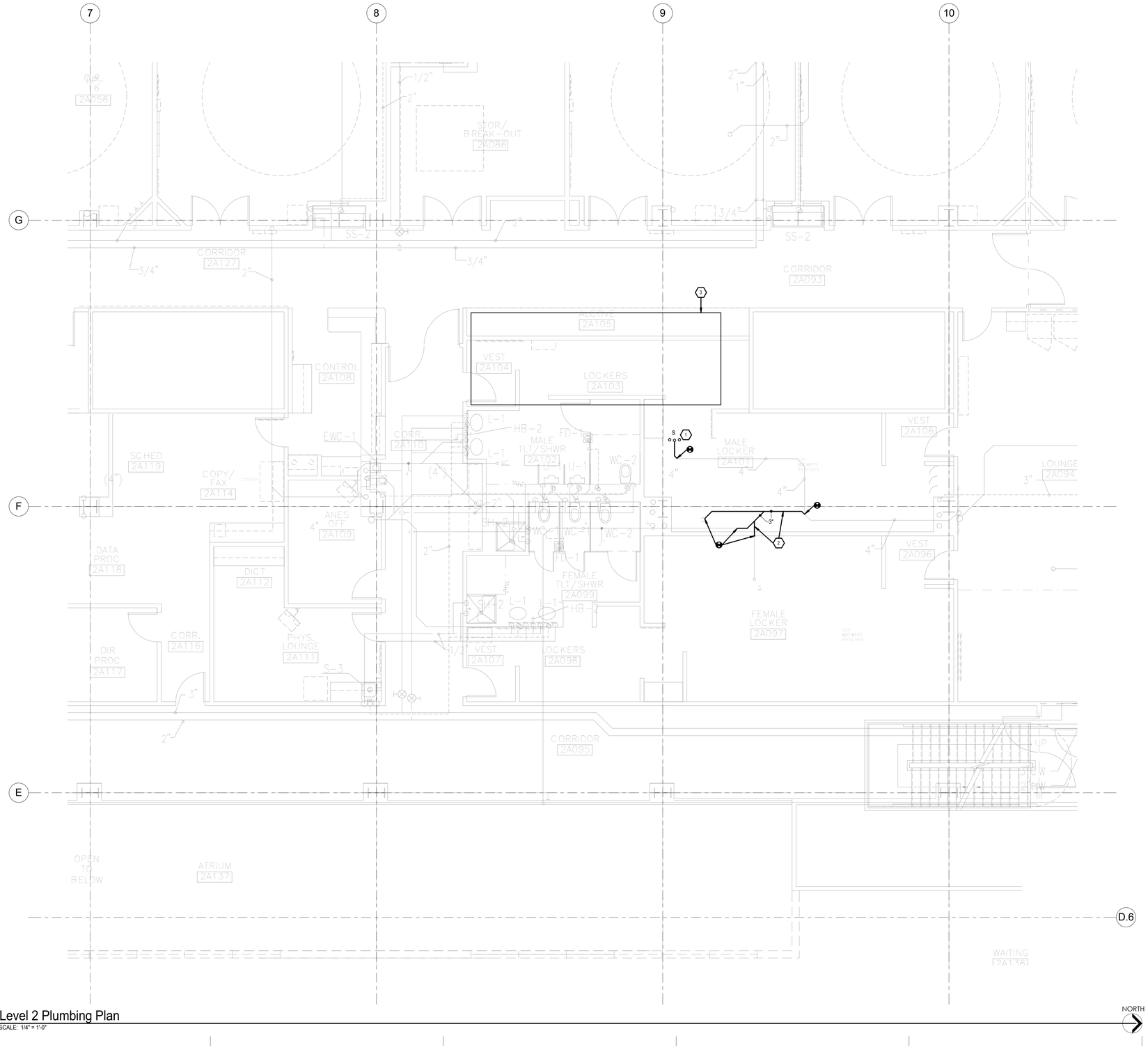
Construction Documents June 28, 2021

Level 3
Plumbing
Demolition
Plan

PD103

KEYED NOTES

1. EXISTING SHOWN LIGHT TO REMAIN. NEW WORK SHOWN DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2. REROUTE EXISTING WASTE PIPING TO AVOID NEW MECHANICAL SHAFT LOCATION.
3. REMOVE DUCTWORK AS NECESSARY TO FACILITATE INSTALLATION OF NEW BEAMS. CLEAN AND REINSTALL IN SAME CONFIGURATION.



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

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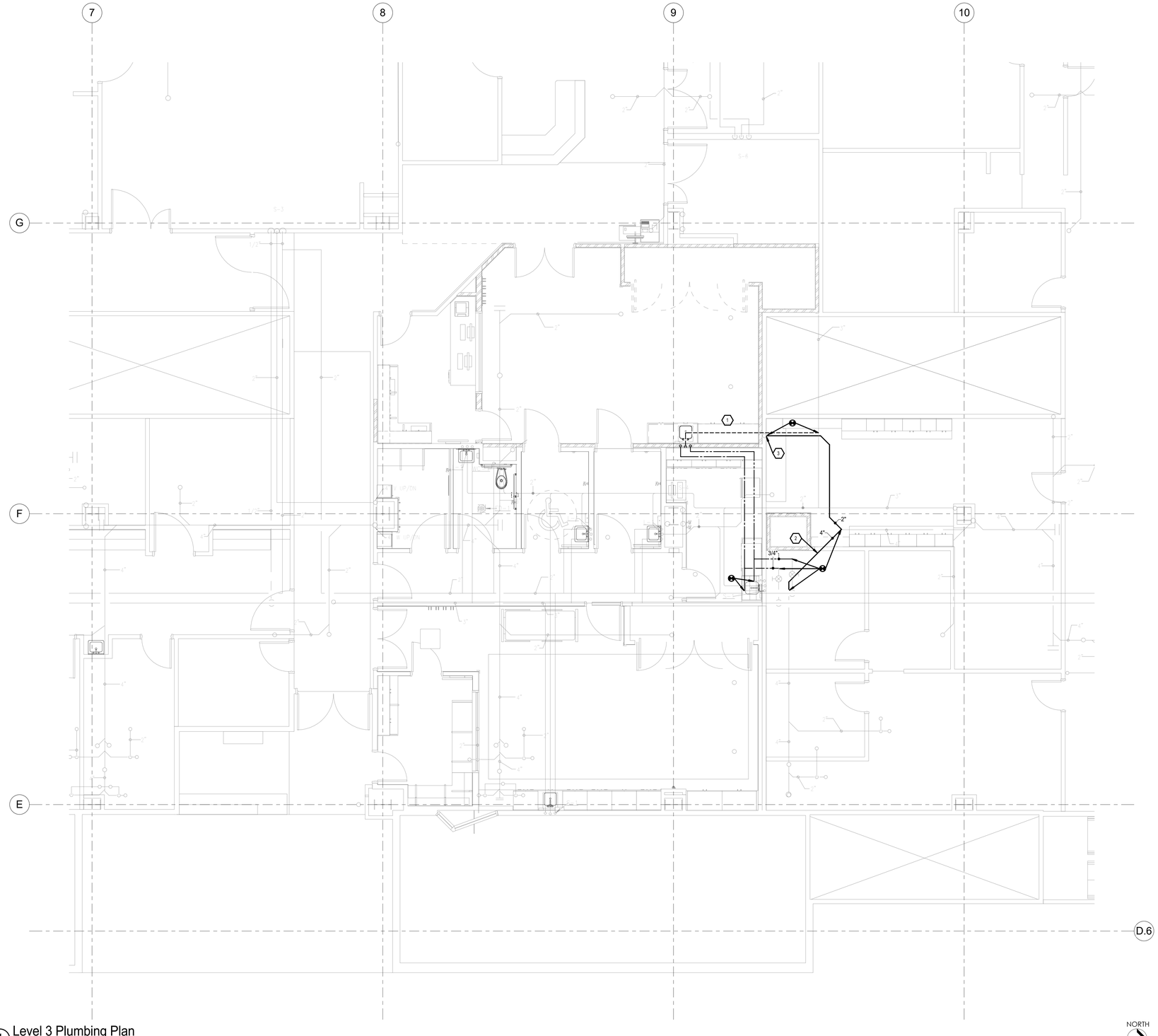
Level 2
Plumbing
Plan

P102



KEYED NOTES

1. EXISTING SHOWN LIGHT TO REMAIN. NEW WORK SHOWN DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2. REROUTE WASTE LINE AROUND NEW MECHANICAL SHAFT LOCATION
3. CONNECT NEW WASTE PIPING TO EXISTING RISER TO LEVEL ABOVE.

1 Level 3 Plumbing Plan
SCALE: 1/4" = 1'-0"

NORTH

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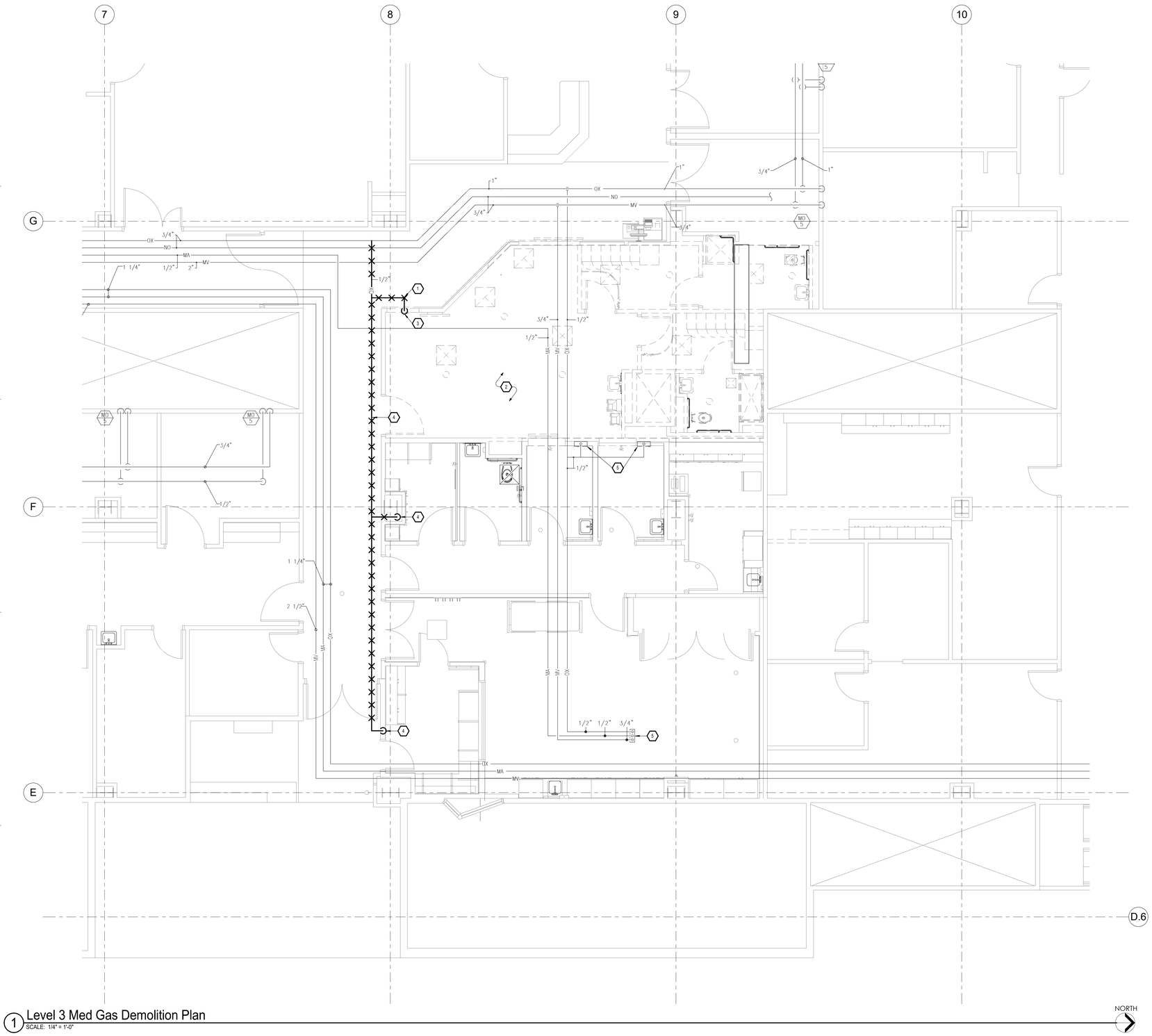
Level 3 Plumbing Plan

P103



KEYED NOTES

1. DEMOLISH PIPING SHOWN CROSSED-OUT.
2. NEW WORK SHOWN DARK. EXISTING CONDITIONS SHOWN LIGHT.
3. DEMOLISH MED GAS OUTLET AND ASSOICATED PIPING.
4. DEMOLISH ABANDONED OXYGEN LINE.
5. EXISTING MED GAS OUTLETS AND ASSOCIATED PIPING TO REMAIN.

1 Level 3 Med Gas Demolition Plan
SCALE: 1/4" = 1'-0"

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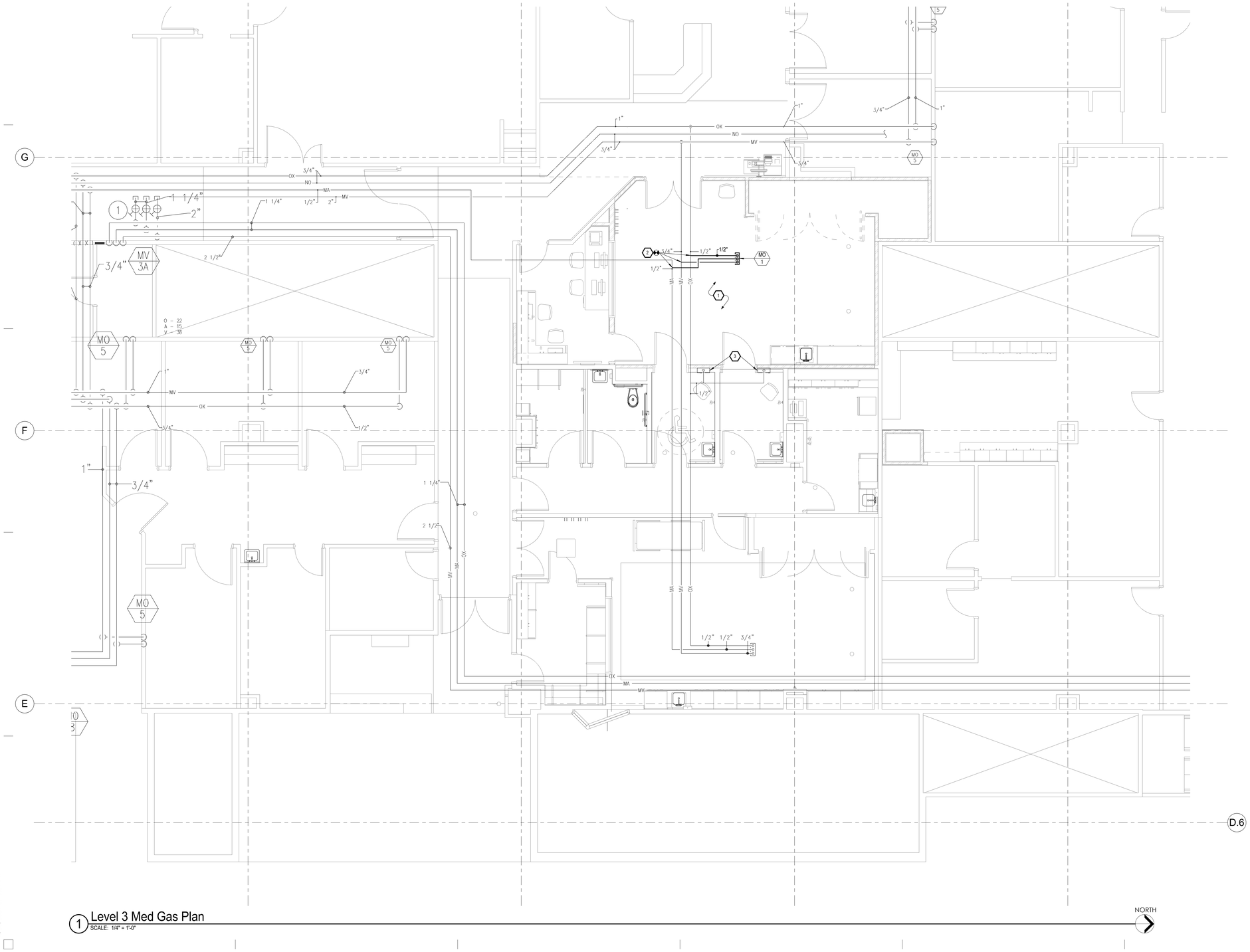
Level 3 Med Gas Demolition Plan

PD203

KEYED NOTES

1. NEW WORK SHOWN DARK, OLD WORK SHOWN LIGHT.
2. NEW CONNECTION TO EXISTING MEDGAS PIPING.
3. EXISTING MED GASES TO REMAIN AS IS.



1 Level 3 Med Gas Plan
SCALE: 1/4" = 1'-0"

NORTH

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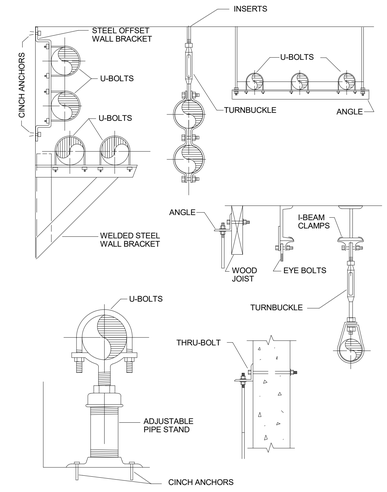
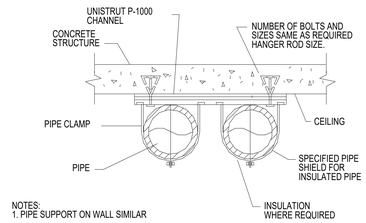
Level 3 Med Gas Plan

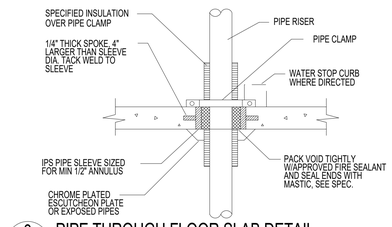
P203



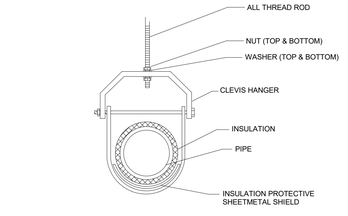
1 P501 **TYPICAL PIPE SUPPORT DETAIL**
NO SCALE



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

P501

6/25/2021 8:13:39 AM

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES	SPECIFICATION
S-1	SINK	1/2	1/2	2	1 1/2	SOLID SURFACE INTEGRAL SINK	SINK: SOLID SURFACE INTEGRAL SINK TO BE PROVIDED BY OTHERS. PROVIDE CHICAGO NO. 786-GN8BFCABCP WITH 4" WRIST BLADE HANDLES AND GN8B 8" RIGID GOOSENECK SPOUT WITH FEMALE OUTLET THREAD LESS AERATOR WITH 1.6 GPM LAMINAR FLOW CONTROL INSERT IN SPOUT INLET; OPEN-GRID STRAINER. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG.

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

MEDICAL GAS OUTLETS SCHEDULE

		# OF OUTLETS										PIPE DROP SIZE TO OUTLET(S)									
SYMBOL	ROOM TYPE	OX	MA	MV	N	N20	CO2	MA100	OX120	MA120	WAGD	OX	MA	MV	N	N20	CO2	MA100	OX120	MA120	WAGD	REMARKS
MO-1	PET/CT SCAN	1	1	1	--	--	--	--	--	--	--	1/2"	1/2"	3/4"	--	--	--	--	--	--	--	1,2

1. CEILING MOUNTED OUTLETS
2. DISS OUTLETS WITH KEYCHAIN RETRACTORS AND 6-FOOT HOSES

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Plumbing Schedules

P601

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SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	REFERENCE AND LINE SYMBOLS
01 A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
02 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.
03 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.
04 ROOM NAME 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
05 1	KEYNOTE INDICATOR.
06 1	REVISION INDICATOR.
07 CU-1	EQUIPMENT INDICATOR.
08 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.
09	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
10	BREAK, ROUND
11 MATCH LINE / SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
12	NEW LINE: MEDIUM LINE.
13	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
14	EXISTING TO REMAIN LINE: THIN LINE.
15	DEMOLITION LINE: DASHED, MEDIUM LINE
16	PROPERTY LINE: DASHED, WIDE LINE.
17	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
18 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.
19 X-X / XKP	KITCHEN EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XKP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
00	WIRING METHODS
01	WIRING.
02	WIRING TURNED UP OR TOWARDS OBSERVER.
03	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
04 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. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
05 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. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
06 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. SMALL CROSS LINES INDICATE NUMBER OF CONDUCTORS OR CABLES. LARGER CROSS LINE INDICATES EQUIPMENT GROUND. WAVY CROSS LINE INDICATES INSULATED/ ISOLATED GROUND. FOR BRANCH WIRING, CROSS LINES INDICATE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
07	FLEXIBLE WIRING.
08 — X —	WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = : CATV = CABLE TELEVISION; NC = NURSE CALL CCTV = CLOSED CIRCUIT TELEVISION; P = POWER RC = RIGID CONDUIT FA = FIRE ALARM; S = SOUND FO = FIBER OPTICS; T = TELEPHONE I = INTERCOM; TV = TELEVISION OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.
09	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
10	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
11 1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
12 HC	ADA ACCESS PUSH PLATE
13	JUNCTION BOX.
14 SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
15 SE	JUNCTION BOX, SECURITY SYSTEM. PROVIDE CONDUIT AND ROUGH-IN PER SECURITY DRAWINGS.
16	JUNCTION BOX, DUCT, UNDERFLOOR. TRIPLE, DOUBLE OR SINGLE DUCT SYSTEM AS INDICATED BY THE NUMBER OF PARALLEL LINES. DESIGNATIONS AS SHOWN FOR WIRING AND/OR RACEWAY SYMBOLS.
17	DUCT CELL FLOOR HEADER.
18 PB	PULL BOX.
19 C C	CABLE TRAY ABOVE ACCESSIBLE CEILING.
20 W W	WIREWAY.
21	EARTH GROUND (ONE-LINE DIAGRAM).
22 C	JUNCTION BOX, CEILING.
23	LADDER RACK.
24 A A	CABLE TRAY BELOW ACCESSIBLE FLOOR.
25	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	WIRING DEVICES
01	RECEPTACLE, SINGLE: NEMA 5-20R.
02	RECEPTACLE, DUPLEX: NEMA 5-20R.
03 A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
04 C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
05 D	RECEPTACLE, DUPLEX, DEDICATED CIRCUIT: NEMA 5-20R.
06 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.
07 IG	RECEPTACLE, DUPLEX, ISOLATED GROUND: NEMA 5-20R.
08 S	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
09 UC	RECEPTACLE, DUPLEX, FLOOR, UNDER CARPET: NEMA 5-20R.
10 W	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
11 WP	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.
12	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
13	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
14	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
15	RECEPTACLE, DUPLEX, CONNECTED TO UPS: NEMA 5-20R.
16	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
17	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
18	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
19 WP	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
20	RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R.
21 S	RECEPTACLE, DUPLEX, SWITCHED, RECESSED: NEMA 5-20R.
22	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
23	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
24	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
25	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
26	RECEPTACLE, QUADRAPLEX, CONNECTED TO UPS: NEMA 5-20R.
27	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
28	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
29	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
30 D	RECEPTACLE, DRYER: NEMA 14-30R.
31 R	RECEPTACLE, RANGE: NEMA 14-50R.
32 C	RECEPTACLE, CLOCK HANGER: NEMA 5-15R.
33	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
34 D	DROP CORD. SEE DETAIL.
35 T	THERMOSTAT.
36 FB#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
37 PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
38 PT#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
39	SWITCH, DIMMER.
40 X $	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
41 X $2	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
42 X $3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
43 X $4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
44 $DS	SWITCH, DOOR.
45 $K	SWITCH, KEY OPERATED.
46 $LM	SWITCH, LOW VOLTAGE MASTER.
47 $M	SWITCH, MOMENTARY.
48 $OS	SWITCH, OCCUPANCY SENSOR.
49 $P	SWITCH, PILOT LIGHT.
50 $T	SWITCH, TIMER OPERATED.
51 $WP	SWITCH, WEATHERPROOF.
52 T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
53	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
54	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
55	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, CONNECTED TO UPS: NEMA 5-20R.
56	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
57	RECEPTACLE, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
58	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
59	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	SITE ELECTRICAL AND COMMUNICATIONS UTILITIES
01 —3ØUP—	ELECTRIC LINE: THIN LINE. 1Ø = SINGLE PHASE, 2Ø = 2-PHASE, 3Ø = 3-PHASE, O = OVERHEAD, U = UNDERGROUND, P = PRIMARY, S = SECONDARY
02	LIGHTNING ARRESTOR.
03	UTILITY POLE.
04	UTILITY, DISTRIBUTION SWITCH OR SWITCHING STATION.
05 E	UTILITY, PRIMARY ELECTRICAL HAND HOLE.
06 M	UTILITY SERVICES, MANHOLE.
07 C	UTILITY, COMMUNICATIONS MANHOLE.
08 E	UTILITY, ELECTRICAL MANHOLE.
09 T	UTILITY, TELEPHONE MANHOLE.
10 C	PRECAST CONCRETE, COMMUNICATION VAULT.
11 E	PRECAST CONCRETE, ELECTRICAL VAULT.
12 T	PRECAST CONCRETE, TELEPHONE VAULT.
13 TM	PRECAST CONCRETE, MANHOLE, TRANSFORMER VAULT.
14 TP	PRECAST CONCRETE, TRANSFORMER PAD.
15 H	HAND HOLE.
16 S	SUBSTATION.
17 T	TRANSFORMER.
00	ELECTRICAL POWER AND DISTRIBUTION
01	FUSE WITH RATING (ONE-LINE DIAGRAM).
02	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
03	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
04	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
05	OVERLOAD RELAY (ONE-LINE DIAGRAM).
06	STARTER (ONE-LINE DIAGRAM).
07	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
08	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
09 MCP	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
10	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
11 GFP	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
12	MOTOR.
13 L	COMBINATION RESIDENTIAL EXHAUST FAN/LIGHT.
14 F	EXHAUST FAN OUTLET.
15	HEATER, ELECTRIC RESISTANCE.
16	TRANSFORMER (ONE-LINE DIAGRAM).
17	TRANSFORMER, CURRENT (ONE-LINE DIAGRAM).
18	BATTERY (ONE-LINE DIAGRAM).
19	CAPACITOR (ONE-LINE DIAGRAM).
20	DELTA CONNECTION (ONE-LINE DIAGRAM).
21	WYE CONNECTION (ONE-LINE DIAGRAM).
22 "1H"	PANELBOARD (ONE-LINE DIAGRAM).
23 225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
24 225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
25 225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
26 225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)
01 (W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
02 (W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
03 EM	EMERGENCY.
04 NL	NIGHT LIGHT: DO NOT SWITCH.
05 ↑	EGRESS DIRECTION ARROW (EXIT SIGNS).
06 LV	LOW VOLTAGE LIGHTING TRANSFORMER.
07	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
08	EXIT SIGN: SINGLE FACE; WALL MOUNTED
09	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
10	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
00	LIGHTING CONTROL
01	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
02	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
03	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
04 U	OCCUPANCY SENSOR, ULTRASONIC, OMNI-DIRECTIONAL, CEILING.
05 R	OCCUPANCY SENSOR CONTROL RELAY.
06	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
07	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
08 P	PHOTOCELL.
09 TC	TIME CLOCK.
10 HR 1	HOUSE RELAY SCHEDULE INDICATOR.
11 101 / 1-1-1	LITE TOUCH STATION INDICATOR.
12	CEILING FAN.
13 SP	OCCUPANCY SENSOR, SWITCH PACK.
14	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
15	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
16	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
17	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
18 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)
19 DC	DIGITAL LIGHTING DIMMING CONTROLLER
20 LC	DIGITAL PLUG LOAD CONTROLLER
21 LS	LIGHTING NETWORK SWITCH.
22 NR	LIGHTING NETWORK ROUTER.
23 RC	DIGITAL LIGHTING ROOM CONTROLLER
25 SM	LIGHTING NETWORK SEGMENT MANAGER
26 L X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
00	STRUCTURED CABLING
01 X	TELEPHONE, WALL MOUNTED ("X" INDICATES QUANTITY OF CABLES).
02	DATA CONNECTION: WIRELESS ACCESS POINT (WAP). REQUIRES (2) DATA DROPS PER DEVICE
03 W	TELEPHONE, WALL MOUNTED: WALL PHONE.
04 X	OUTLET, DATA COMMUNICATION ("X" INDICATES QUANTITY OF CABLES).
05	OUTLET, BUILDING STANDARD COMBINATION TELEPHONE/ DATA COMMUNICATION.
06	TWO-WAY EMERGENCY COMMUNICATION DEVICE PER IBC, WALL MOUNTED IN RECESSED BOX.
07	TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED.
08	LAN RACK, FLOOR STANDING.
09 —D—	DATA CABLE, CATEGORY 5 (ONE-LINE DIAGRAM).
10 —V—	VOICE CABLE, CATEGORY 3 (ONE-LINE DIAGRAM).
00	STRUCTURED CABLING IHC
01	IHC COMMUNICATIONS DEVICE (1 DATA).
02	IHC COMMUNICATIONS DEVICE (1 DATA / 1 ANALOG).
03	IHC COMMUNICATIONS DEVICE (1 DATA WALL PHONE).
04	IHC COMMUNICATIONS DEVICE (2 DATA).
05 3	IHC COMMUNICATIONS DEVICE (3 DATA).
06 4	IHC COMMUNICATIONS DEVICE (4 DATA).
07 6	IHC COMMUNICATIONS DEVICE (6 DATA).
08 M	IHC COMMUNICATIONS DEVICE PHYSIOLOGICAL MONITOR (1 DATA).
09 WAP	IHC COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA).

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

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

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

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

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

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

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

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

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

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

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

GENERAL ELECTRICAL NOTES

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

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

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

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

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

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

ELECTRICAL SHEET INDEX

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LICENSED PROFESSIONAL ENGINEER No. 185978 PETER E. JOHANSEN STATE OF UTAH
06/28/21

Intermountain Healthcare
McKay-Dee Hospital
PET/CT Remodel

4401 Harrison Blvd
Ogden, Utah 84403

NJRA Project # 18216.00
Construction Documents June 28, 2021

SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
EE001

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SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00	ELECTRICAL POWER AND DISTRIBUTION	
30		CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
31		TRANSFER SWITCH (ONE-LINE DIAGRAM).
32	DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
33		SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
34	G	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
35	G	GENERATOR, POWER (ONE-LINE DIAGRAM).
36	M	METER.
37	BBF	BROAD BAND FILTER (ONE-LINE DIAGRAM).
38	VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
39		DIODE (ONE-LINE DIAGRAM).
40		AERIAL SERVICE WEATHER HEAD (ONE-LINE DIAGRAM).
41		DISCONNECT SWITCH, FUSED.
42		DISCONNECT SWITCH, UNFUSED.
43		STARTER, COMBINATION WITH DISCONNECT SWITCH.
44		STARTER OR MOTOR CONTROLLER.
45		PUSHBUTTON.
46		PUSHBUTTONS, MOTOR CONTROL.
47		PANELBOARD CABINET, FLUSH MOUNTED.
48		PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
49		PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
50	DP#__	DISTRIBUTION PANEL OR SWITCHBOARD.
51	LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
52		LIGHTING CONTROL STATION.
53		DIMMING ENTRY STATION OR CONTROL STATION, FLUSH MOUNTED.
54		CENTRAL PROCESSOR UNIT.
55	$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
56	75	TRANSFORMER: NUMBER INDICATES kVA.
57	B B	BUSWAY.
58	T T	DUCT, TROLLEY.
59		RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
60		RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
61		PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
62		PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
63		PRESSURE SWITCH, CLOSE ON INCREASE (ONE-LINE DIAGRAM).
64		PRESSURE SWITCH, OPEN ON INCREASE (ONE-LINE DIAGRAM).
65		SWITCH, NORMALLY CLOSED FLOAT (ONE-LINE DIAGRAM).
66		SWITCH, NORMALLY OPEN FLOAT (ONE-LINE DIAGRAM).
67		SWITCH, NORMALLY CLOSED LIMIT (ONE-LINE DIAGRAM).
68		SWITCH, NORMALLY OPEN LIMIT (ONE-LINE DIAGRAM).
69		SWITCH, NORMALLY CLOSED TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
70		SWITCH, NORMALLY OPEN TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
71		SWITCH, NORMALLY CLOSED TIME DELAY (ONE-LINE DIAGRAM).
72		SWITCH, NORMALLY OPEN TIME DELAY (ONE-LINE DIAGRAM).
73		SWITCH, NORMALLY CLOSED FOOT OPERATED (ONE-LINE DIAGRAM).
74		SWITCH, MULTIPOSITION (ONE-LINE DIAGRAM).
75		SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
76		SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
77	HC	ACCESSIBLE DOOR ENTRY PUSH PLATE OPERATOR.
78		CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00	FIRE ALARM	
01	FSA	FIRE SYSTEM ANNUNCIATOR.
02	FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
03	FPS	FIRE ALARM NOTIFICATION POWER SUPPLY.
04	FTR	FIRE ALARM TRANSPONDER OR TRANSMITTER.
05	HVA	SMOKE CONTROL PANEL.
06	C	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED TO BY FIRE ALARM INSTALLERS.
07	CM	CONTROL MODULE.
08	MM	MONITOR MODULE.
09	P	FIRE ALARM MANUAL PULL STATION.
10	R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
11		MAGNETIC DOOR HOLDER.
12	A	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, ACCESSIBLE.
13	H	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, HANDSET.
14	J	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, JACK.
15		DETECTOR, SMOKE.
16	A	DETECTOR, SMOKE WITH AUXILIARY CONTACT.
17	BR	DETECTOR, SMOKE, BEAM RECEIVER.
18	BT	DETECTOR, SMOKE, BEAM TRANSMITTER.
19	E	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
20	G	DETECTOR, SMOKE WITH GUARD.
21	R	DETECTOR, SMOKE, RESIDENTIAL.
22		DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
23		DETECTOR, HEAT.
24		INDICATOR LAMP.
25		STROBE.
26	75	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
27	WP	ALARM, HORN/SPEAKER, WEATHERPROOF.
28		ALARM, HORN/STROBE, ONE ASSEMBLY.
29	75	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
30	C	ALARM, CHIME/STROBE, ONE ASSEMBLY.
31	G	ALARM, HORN/STROBE WITH GUARD, ONE ASSEMBLY.
32	M	ALARM, MINI HORN/STROBE, ONE ASSEMBLY.
33	E	SPEAKER, EVACUATION.
34	E	SPEAKER, EVACUATION, COMBINATION STROBE.
35		DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
36		DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
37	SD	SMOKE DAMPER.
38	FSD	FIRE AND SMOKE DAMPER.
39		BELL (GONG).
40	CO	DETECTOR, CARBON MONOXIDE.
41		DETECTOR, SMOKE/STROBE, RESIDENTIAL.
42	75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
43	75	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
44	75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00	TECHNOLOGY SYSTEMS	
01	X	TECHNOLOGY SYSTEM CABLE. SEE SPECIFIC JOB EQUIPMENT LIST FOR APPLICABLE DESIGNATIONS. EXAMPLES: C = CONTROL CABLE G = GROUND CABLE, 10 AWG, 1 CONDUCTOR, GREEN INSULATED M = MICROPHONE CABLE S = SPEAKER CABLE, 70 VOLT SYSTEM Z = SPEAKER CABLE, 8 OHM SYSTEM
02	S#	SPEAKER, CEILING MOUNTED.
03	S#	SPEAKER, WALL MOUNTED.
04	S4	SPEAKER, 4".
05	S6	SPEAKER, 6".
06	S8	SPEAKER, 8".
07	S12	SPEAKER, 12".
08	SB	SPEAKER, BLIND MOUNT.
09	SE	SPEAKER, EXISTING.
10	SH	HORN.
11	SHW	HORN, WEATHER RESISTANT.
12	SM	SPEAKER, MASKING.
13	SR	SPEAKER, RECESSED.
14	SS	SPEAKER, SURFACE.
15	XX	SPEAKER, USER DEFINED.
16		SPEAKER, HIGH FREQUENCY.
17		SPEAKER, LOW FREQUENCY.
18		SPEAKER ENCLOSURE (CLUSTER).
19		CALL SWITCH, INTERCOM.
20		MICROPHONE, TABLE OR LECTERN MOUNTED.
21		EQUIPMENT CABINET.
22		MEDIA CONNECTION PLATE.
23		AUDIO/VISUAL OUTLET.
24		SCREEN, PROJECTION, CEILING MOUNTED.
25		PROJECTOR, CEILING MOUNTED.
26	V	VIDEO CONFERENCING CAMERA.
27	CP	CONTROL PANEL.
28	M	MICROPHONE INPUT.
29	M	MICROPHONE INPUT, FLOOR MOUNTED.
30	R	REMOTE CONTROL INPUT.
31	$	POWER SWITCH.
32	S	SPEAKER SWITCH OR INPUT.
33	SV	SOURCE SWITCH/VOLUME CONTROL.
34	T	TAPE RECORD OUTPUT.
35	V	VOLUME CONTROL.
36	HC	HUB CABINET.
37	M	VIDEO MONITOR.
38	ADA	AUDIO DISTRIBUTION AMPLIFIER.
39	APP	AUDIO PATCH PANEL.
40	CP#	CONNECTION PANEL.
41	DVD	DIGITAL VERSATILE DISC (DVD) PLAYER.
42	EP	ASSISTED LISTENING EMITTER PANEL.
43	K	SIGNAL RELAY DPDT WITH SOCKET.
44	LD	LINE DRIVER (VARIZONE DIGITAL PAGING SYSTEM).
45	PAM	POWER AMP MODULE (VARIZONE DIGITAL PAGING SYSTEM).
46	RDA	RGBHV DISTRIBUTION AMPLIFIER.
47	RM	REMOTE CONTROL PANEL.
48	RMS	RGBHV MATRIX SWITCHER.
49	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER, AC LINE CONDITIONER.
50	VCR	VIDEO CASSETTE RECORDER.
51	VDA	COMPOSITE VIDEO DISTRIBUTION AMPLIFIER.
52	VMS	COMPOSITE VIDEO MATRIX SWITCHER.
53	VPP	VIDEO PATCH PANEL.
54	YMS	S-VIDEO MATRIX SWITCHER.
55	PA	AMPLIFIER (ONE-LINE DIAGRAM).
56	PB	POWER BRIDGE (VARIZONE DIGITAL PAGING SYSTEM).
57		TERMINATOR (VARIZONE DIGITAL PAGING SYSTEM).
58		DIODE (ONE-LINE DIAGRAM).
59	I*M	TRANSFORMER, ISOLATION/MATCHING (ONE-LINE DIAGRAM).
60	#W	TRANSFORMER, # WATT (ONE-LINE DIAGRAM).
61		MICROPHONE, HANDHELD (ONE-LINE DIAGRAM).
62	A	AUXILIARY INPUT.
63	IR	INFRARED SENSOR.

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00	CLOCK	
01	C	CLOCK.
02	CG	CLOCK, SURFACE WITH WIRE GUARD.
00	NURSE CALL	
01		JUNCTION BOX.
02		CORRIDOR LIGHT.
03	B	BATHROOM PULL CORD STATION.
04	D	DUTY STATION.
05	E	EMERGENCY ASSISTANCE CALL STATION.
06	E CB	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
07	P	PATIENT STATION.
08	S	STAFF STATION.
09	NCM	TOUCH SCREEN NURSE CALL MASTER STATION.
10	ZLC	ZONE LIGHT CONTROLLER.
11	CU	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
00	CCTV	
01	P	CCTV CABLE, POWER.
02	V	CCTV CABLE, VIDEO SIGNAL.
03	CCTV	CCTV HEADEND EQUIPMENT.
04	M	CCTV MONITOR.
05		CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
06	PTZ	CCTV CAMERA WITH PAN, TILT AND ZOOM.
07	360°	PANNING CAMERA TRANSVERSE ANGLE.
00	SECURITY	
01	X	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
02	ACC	ACCESS CONTROL HEADEND EQUIPMENT.
03	CTR	SECURITY CONTROL PANEL.
04	SEC	INTRUSION DETECTION HEADEND EQUIPMENT.
05	#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
06	CR	CARD READER.
07	KCR	KEYPAD/CARD READER COMBINATION.
08		DOOR SWITCH, BALANCED MAGNETIC CONTROL.
09	ER	EXIT REQUEST.
10	RL	REMOTE DOOR RELEASE BUTTON.
11		BELL.
12		BUZZER.
13		BUZZER, COMBINATION BELL.
14		SENSOR, BURIED VEHICULAR.
15		SENSOR, GLASS BREAK.
16		SENSOR, VOLUMETRIC.
17	CA	CONTROLLED ACCESS POINT.
18	IC	INTERCOM STATION.
19	IRU	DUAL TECHNOLOGY PASSIVE INFRARED SENSOR AND ULTRASONIC MOTION DETECTOR.
20	IR	PASSIVE INFRARED SENSOR.
21	P	PANIC DURESS SWITCH.
22	U	ULTRASONIC MOTION DETECTOR.
23	AP	ANNUNCIATOR PANEL.
24	MSI	MASTER STATION, INTERCOM.
00	TV DISTRIBUTION	
01	T	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
02	TR	TV DISTRIBUTION CABLE, TRUNK.
03	CMB	COMBINER.
04	DC	DIRECTIONAL COUPLER.
05	DA	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
06	SPL	SPLITTER (ONE-LINE DIAGRAM).
07		TV OUTLET.
08		SATELLITE ANTENNA.
09		TV ANTENNA (ONE-LINE DIAGRAM).
10		TERMINATOR, 75 OHM (TV DISTRIBUTION).

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SYMBOLS LEGEND

EE002

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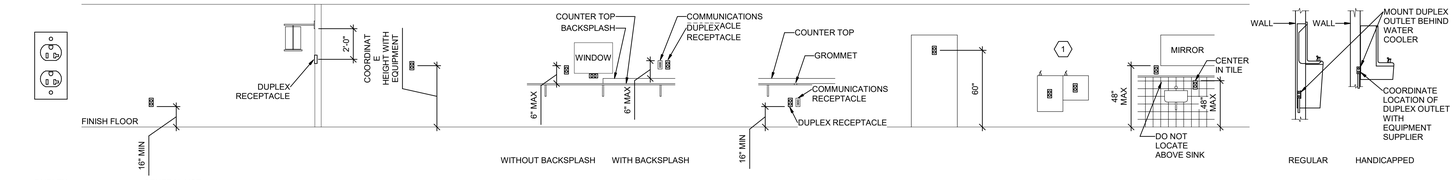
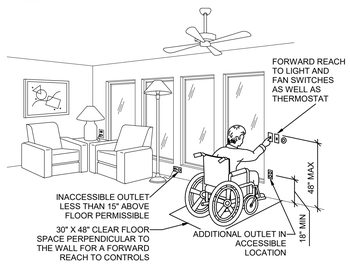


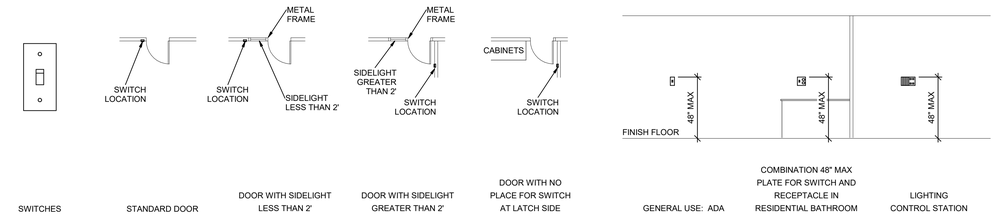
DUPLEX RECEPTACLES | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | WITHOUT BACKSPLASH | WITH BACKSPLASH | RECEPTACLES ABOVE COUNTER | RECEPTACLES BELOW COUNTER | FULL HEIGHT REFRIGERATORS AND VENDING MACHINES | DRINKING FOUNTAIN | TILE WALLS | REGULAR | HANDICAPPED | DRINKING FOUNTAIN - SIDE ELEVATIONS

REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

8 RECEPTACLE MOUNTING DETAILS

SCALE: NTS

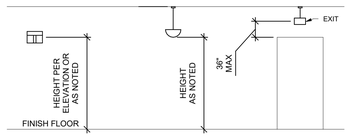




SWITCHES | STANDARD DOOR | DOOR WITH SIDELIGHT LESS THAN 2' | DOOR WITH SIDELIGHT GREATER THAN 2' | DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE | GENERAL USE: ADA | COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM | LIGHTING CONTROL STATION

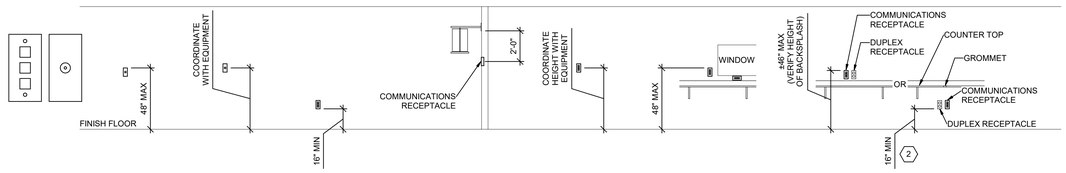
6 ADA DETAIL

SCALE: NTS



7 SWITCH MOUNTING DETAILS

SCALE: NTS



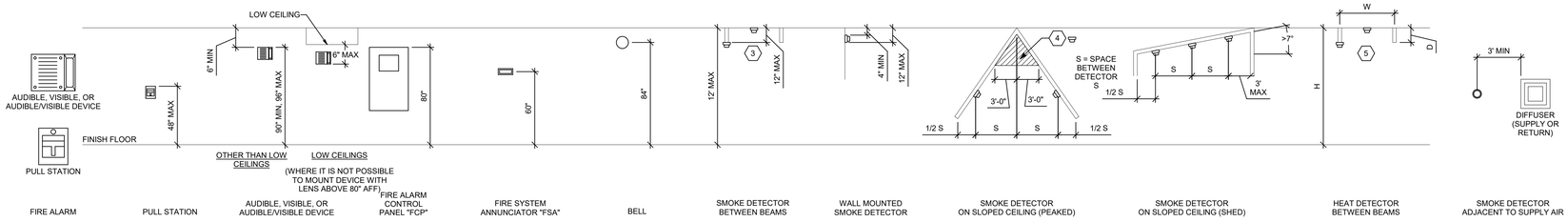
WALL MOUNTED LIGHT FIXTURE | PENDANT LIGHT FIXTURE | PENDANT EXIT SIGNS | COMMUNICATION RECEPTACLES | WALL PHONE | PAY PHONE | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | ABOVE COUNTER - TYPICAL | RECEPTACLES ABOVE OR BELOW COUNTER

4 LIGHTING MOUNTING DETAILS

SCALE: NTS

5 COMMUNICATIONS MOUNTING DETAILS

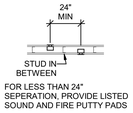
SCALE: NTS



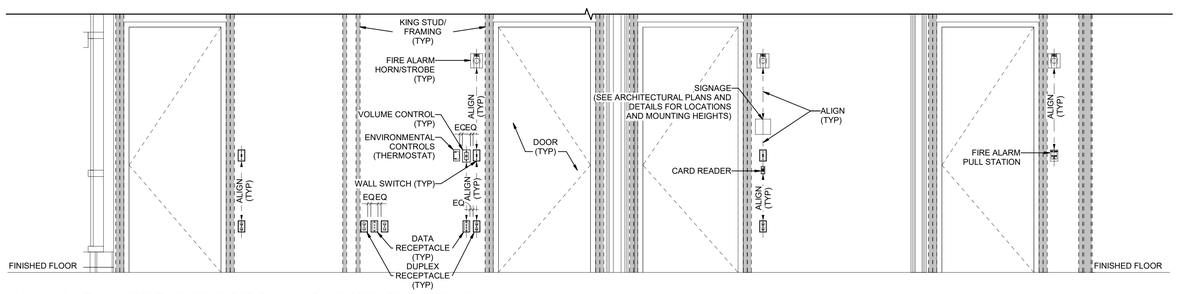
FIRE ALARM | PULL STATION | AUDIBLE, VISIBLE, OR AUDIBLE/VISIBLE DEVICE | FIRE ALARM CONTROL PANEL "FCP" | FIRE SYSTEM ANNUNCIATOR "FSA" | BELL | SMOKE DETECTOR BETWEEN BEAMS | WALL MOUNTED SMOKE DETECTOR | SMOKE DETECTOR ON SLOPED CEILING (PEAKED) | SMOKE DETECTOR ON SLOPED CEILING (SHED) | HEAT DETECTOR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

3 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



BOXES ON OPPOSITE SIDES OF WALL



1 BOX MOUNTING DETAILS

SCALE: NTS

2 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS

GENERAL SHEET NOTES

1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
   1 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
   2 - EQUIPMENT SHOP DRAWINGS.
   3 - 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 WIREING 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.

SHEET KEYNOTES

1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
5. LOCATE AT BOTTOM OF BEAMS IF D/H < .1 OR W/H < .4; OTHERWISE, LOCATE IN BEAM POCKET. FOR D > 4 REDUCE SPACING .33 PERPENDICULAR TO BEAMS.

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TYPICAL MOUNTING HEIGHT DETAILS

EE701

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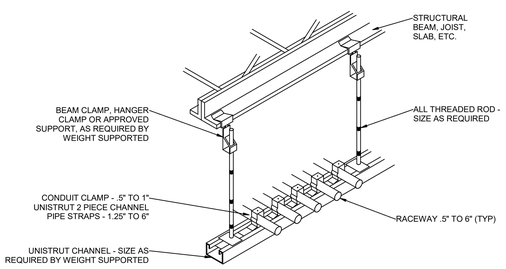
DETAILS

EE702

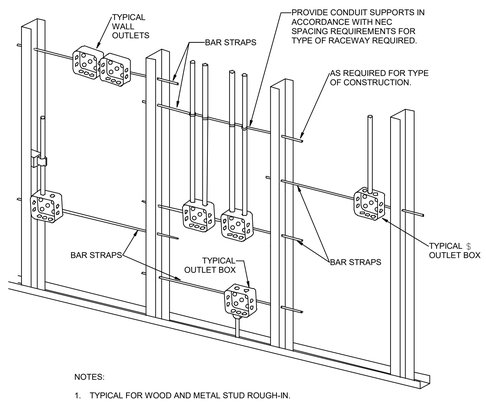
4 RECESSED FIXTURE MOUNTING DETAIL

SCALE: NTS



3 TYPICAL CONDUIT RACK DETAIL

SCALE: NTS



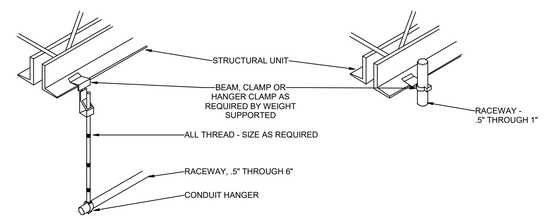
NOTES:

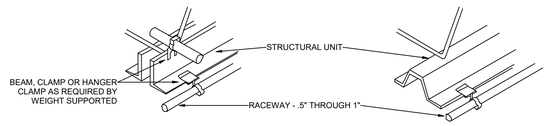
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME 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

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





1 TYPICAL RACEWAY SUPPORT METHODS DETAIL

SCALE: NTS

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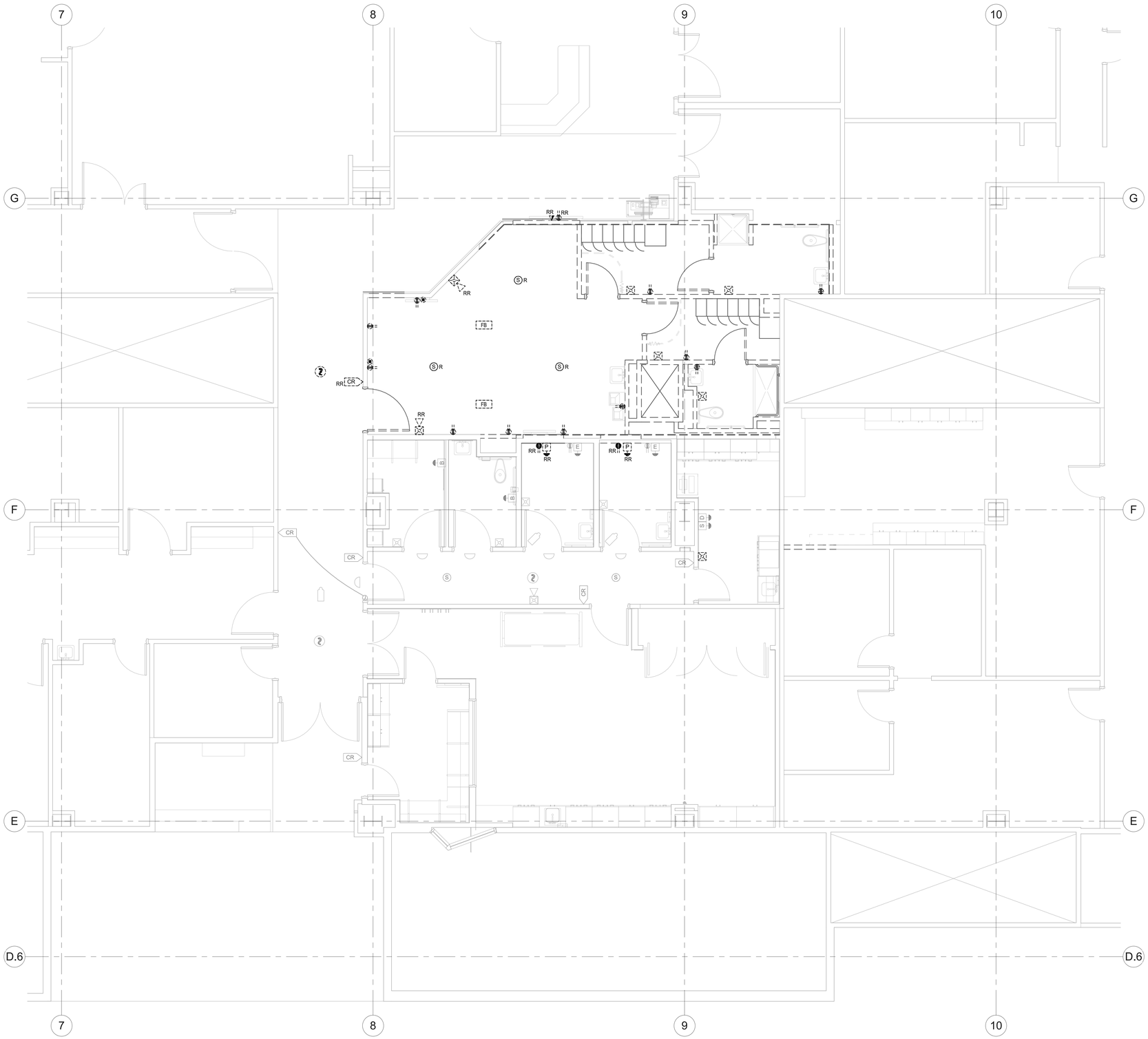

1 DEMOLITION POWER PLAN - LEVEL 3
SCALE: 1/4" = 1'-0"

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GENERAL SHEET NOTES

1 UNLESS OTHERWISE INDICATED, REMOVE ALL LIGHTING FIXTURES, OUTLETS, DEVICES AND EQUIPMENT IN HATCHED AREAS . REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO THE PANELBOARD OF ORIGINATION. SYSTEMATICALLY CHECK EACH BRANCH PANELBOARD CIRCUIT TO VERIFY EACH THAT CIRCUIT BREAKER NO LONGER HAS ANY ACTIVE LOADS, DISCONNECT THE WIRING AND TURN THE CIRCUIT BREAKER OFF. ANY REMAINING ACTIVE LOADS SHALL BE LABELED AT THE PANELBOARD AS TO WHAT LOAD IS SERVED.

2 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.

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

4 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.

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

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

7 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.

8 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.

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

SHEET KEYNOTES

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DEMOLITION POWER PLAN - LEVEL 3

EDP103

1 DEMOLITION LIGHTING PLAN - LEVEL 3
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 UNLESS OTHERWISE INDICATED, REMOVE ALL LIGHTING FIXTURES, OUTLETS, DEVICES AND EQUIPMENT IN HATCHED AREAS. REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO THE PANELBOARD OF ORIGINATION. SYSTEMATICALLY CHECK EACH BRANCH PANELBOARD CIRCUIT TO VERIFY EACH THAT CIRCUIT BREAKER NO LONGER HAS ANY ACTIVE LOADS. DISCONNECT THE WIRING AND TURN THE CIRCUIT BREAKER OFF. ANY REMAINING ACTIVE LOADS SHALL BE LABELED AT THE PANELBOARD AS TO WHAT LOAD IS SERVED.

2 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.

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

4 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.

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

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

7 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.

8 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.

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

SHEET KEYNOTES

1 RETURN CEILING FAN TO OWNER.

2 LIGHT FIXTURES IN CEILING OF FLOOR BELOW WILL HAVE TO BE REMOVED AND REINSTALLED AFTER PET/CT PROCEDURE ROOM EQUIPMENT HAS BEEN INSTALLED.

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NJRA Project # 18216.00
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DEMOLITION LIGHTING PLAN - LEVEL 3

EDL103

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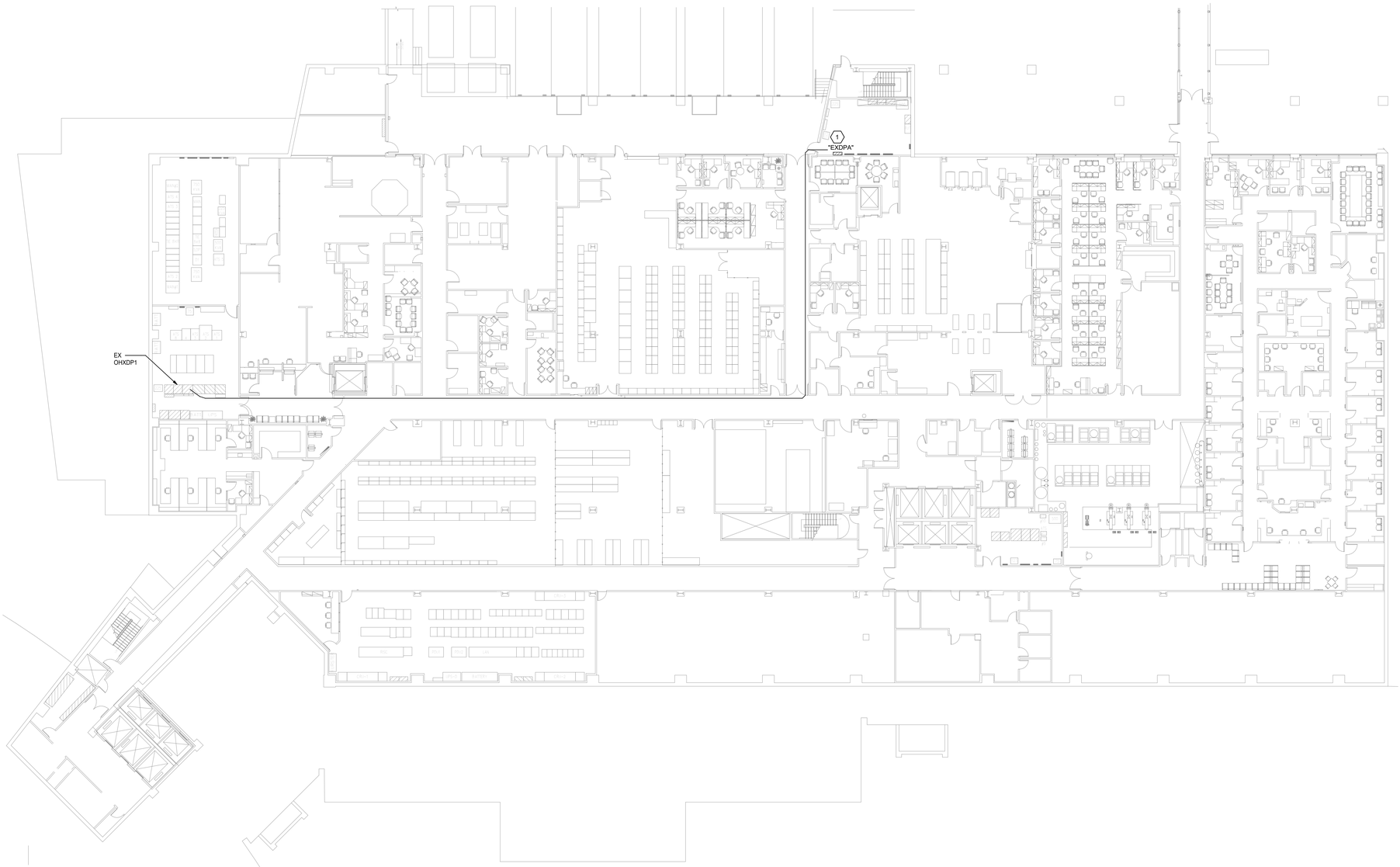

1 OVERALL POWER PLAN - LEVEL A
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

1 RUN RACEWAY FOR NEW PET/CT UP THROUGH STACKED ELECTRICAL ROOM TO 3RD FLOOR ELECTRICAL ROOM.

SHEET KEYNOTES

1 RUN RACEWAY FOR NEW PET/CT UP THROUGH STACKED ELECTRICAL ROOM TO 3RD FLOOR ELECTRICAL ROOM.

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OVERALL
POWER PLAN
- LEVEL A

EP10A

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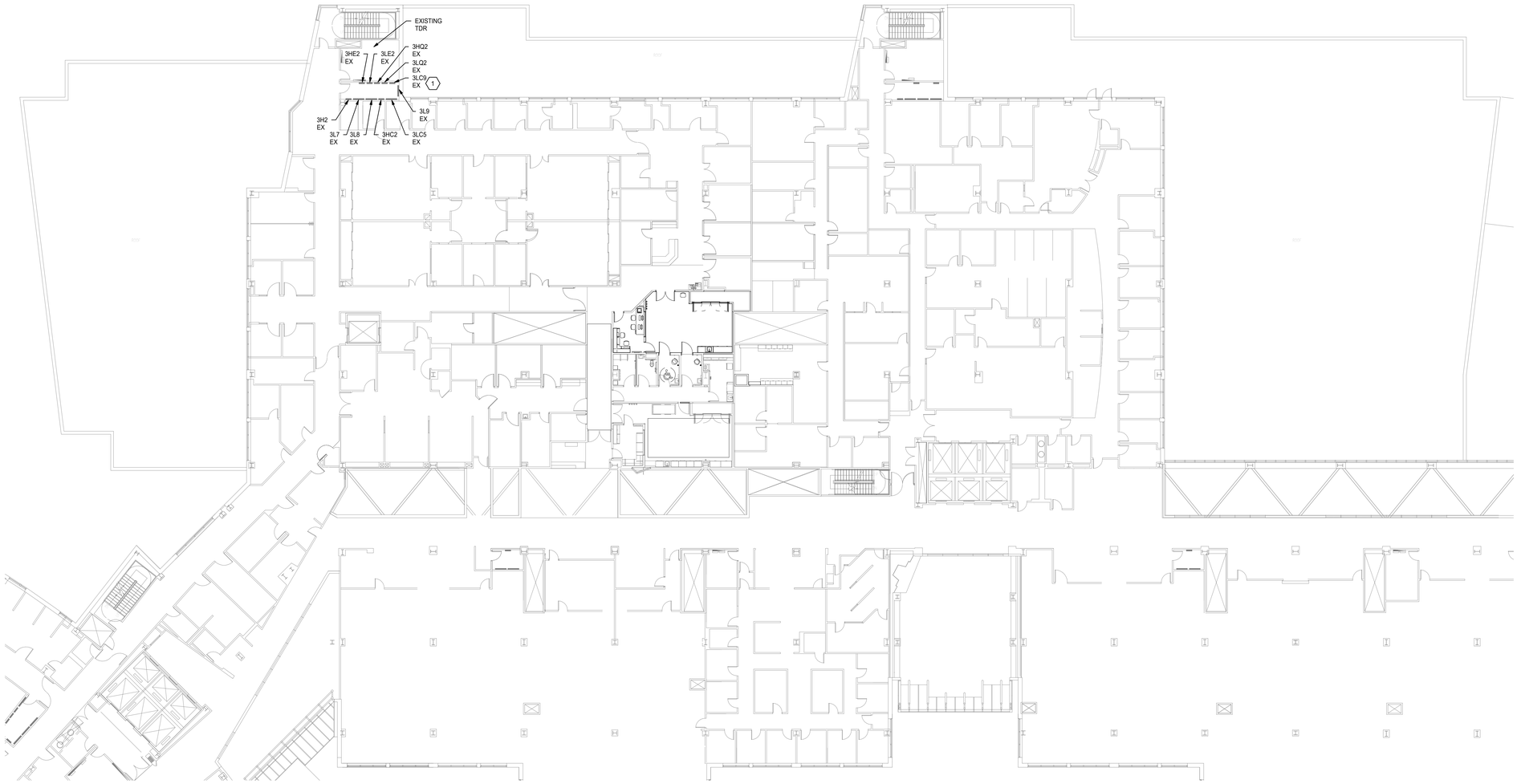
SHEET KEYNOTES

1 PROVIDE TWO NEW 20/1 AMP BREAKERS IN EXISING SQUARE D BRANCH PANEL.

GENERAL SHEET NOTES



1 OVERALL POWER PLAN - LEVEL 3
SCALE: 1/16" = 1'-0"

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OVERALL POWER PLAN - LEVEL 3

EP100

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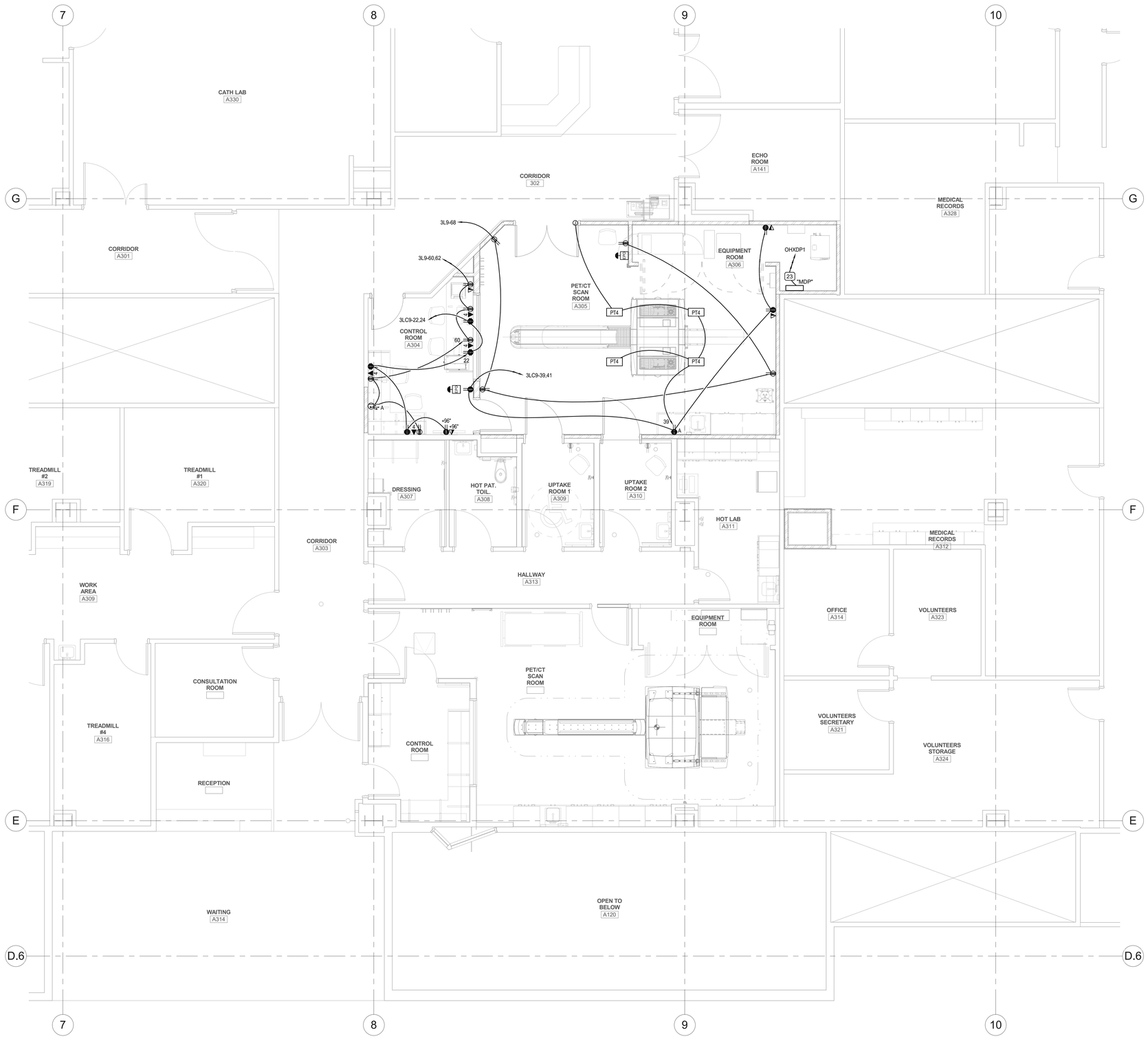

1 POWER PLAN - LEVEL 3
SCALE: 1/4" = 1'-0"

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GENERAL SHEET NOTES

SHEET KEYNOTES

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POWER PLAN
- LEVEL 3

EP103