Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

Construction Documents

DESIGN TEAM	
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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

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NJRA Project # 19230.00
Construction Documents Feb 4, 2020

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

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:
- Pharmacy

CONSTRUCTION CLASS
Construction Activity Type:

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

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

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

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE FOLLOWING SCOPE OF WORK:

A. PROJECT INCLUDES TENNANT IMPROVEMENT OF EXISTING B-OCCUPANCY CLINIC AREA TO A NEW DIALYSIS CLINIC. WORK INCLUDES NEW STUD FRAMED WALLS, FLOORS, CEILING, FINISHES, ETC INCLUDING MECHANICAL, ELECTRICAL, AND PLUMBING WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS.

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.R.	WATER RESISTANT
W.P.	WATERPROOF
W.W.F.	WELDED WIRE FABRIC
W.F.	WIDE FLANGE
WDW.	WINDOW
W/	WITH
W/O	WITHOUT
WD.	WOOD

DEFERRED SUBMITTALS

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

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

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

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

SPECIAL INSPECTIONS

SEE STRUCTURAL DRAWINGS FOR SPECIAL INSPECTIONS REQUIRED.

DEFINITIONS

1. GENERAL: BASIC CONTRACT DEFINITIONS ARE INCLUDED IN THE CONDITIONS OF THE CONTRACT.
2. "APPROVED": WHEN USED TO CONVEY 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

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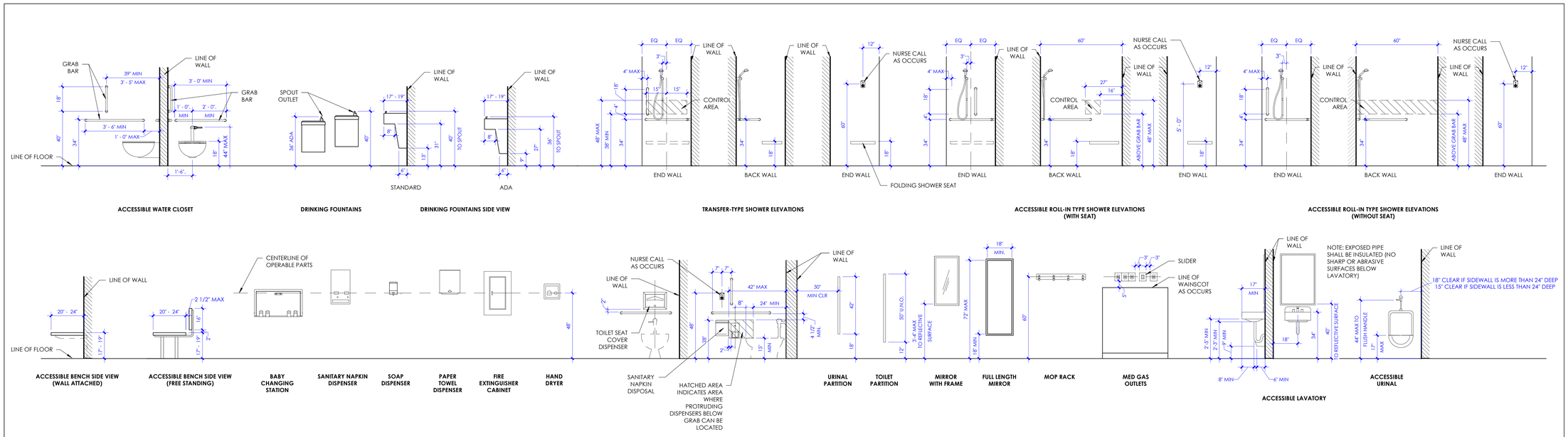

1 Typical Mounting Heights

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

LEGEND - MATERIALS

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

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

GENERAL INFORMATION SYMBOLS & TAGS

SHEET NUMBERING SYSTEM

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

GRID TAG

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

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

GRID LINE

NORTH ARROW

NORTH

BUILDING SECTIONS

SECTION TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS

2 / A101 — BUILDING SECTION; SHEET WHERE DRAWN

WALL SECTIONS

SECTION TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

2 / A101 — WALL SECTION; SHEET WHERE DRAWN

DETAIL TAGS

1 / A506 — DETAIL NUMBER; SHEET WHERE DRAWN

DETAIL TAGS

1 / A506 — DETAIL NUMBER; SHEET WHERE DRAWN

EXTERIOR ELEVATION TAGS

TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS AND KEY PLAN

2 / A202 — EXTERIOR ELEVATION NUMBER; SHEET WHERE DRAWN

INTERIOR ELEVATION TAGS

TAGS ARE INDICATED ON FINISH FLOOR PLANS

1, 2, 3, 4 / A252 — INTERIOR ELEVATION NUMBER; SHEET WHERE DRAWN

ROOM TAG

OFFICE-4 / 155 SF / A324 / (O.L. 999)
- ROOM NAME
- ROOM COUNT DESIGNATION
- DENOTES ROOM AREA OF 155 SQUARE FEET
- ROOM NUMBER: LETTER "A" IN THE ROOM NUMBER DENOTES "AREA A" IN THE PROJECT, NUMBER "3" DENOTES "FLOOR LEVEL 3", NUMBER "24" DENOTES ROOM NUMBERING SEQUENCE IN THE PROJECT AREA.
- DENOTES OCCUPANT LOAD IN CODE COMPLIANCE PLANS.

DATUM POINT TAG

CEILING HEIGHT TAG

B.O.C. 9' - 0"
- B.O.C. BOTTOM OF CEILING
- B.O.H. BOTTOM OF HEADER
- HEIGHT ABOVE FINISH FLOOR

SPOT ELEVATION

T.O.W. 100' - 0"
- T.O.W. TOP OF WALL
- T.O.C. TOP OF CURB
- D.B.E. DECK BEARING ELEVATION
- F.F.E. FINISH FLOOR ELEVATION
- B.O.V. BOTTOM OF VENEER
- T.O.S. TOP OF SIDEWALK
- T.O.C. TOP OF CURB

DENOTES BUILDING REFERENCE ELEVATION

VERTICAL ELEVATION

LEVEL 1 / 100' - 0"
- DENOTES FLOOR LEVEL
- DENOTES BUILDING REFERENCE ELEVATION

CENTER LINE

FLOW ARROW

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

FLOOR PLAN MATCHLINE

3 / A101 — MATCHLINE; DETAIL LOCATION NUMBER; SHEET WHERE DRAWN

REVISION TAG

1
- CLOUD INDICATES DRAWING REVISION AREA
- REVISION NUMBER

KEYED NOTES - PROJECT SPECIFIC

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

(00.00) — DIVISION #; DIVISION NOTE

KEYED NOTES - GENERIC

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

32

WALL TAG

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

A1

DOOR TAG

DOOR TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

A124C
- THE FIRST LETTER "A" AND THE FOLLOWING THREE DIGITS "124" DENOTES ROOM NUMBER
- SUFFIX "C" DENOTES SEQUENCE OF DOOR ACCESSING THE ROOM.

WINDOW TAG

WINDOWS TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

A

FLOOR FINISH TAG

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

F2

WALL BASE TAG

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

B1

WALL FINISH TAG

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

W3

CEILING FINISH TAG

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

C3

OTHER FINISH TAG

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

MS1 MM1 WP1 PL1 WC1

CABINET TAG

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

W14

SIGN TAG

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

S2

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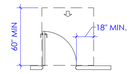
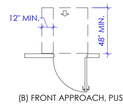
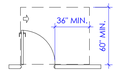
DOORS AND DOORWAYS



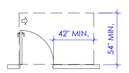
(A) FRONT APPROACH, PULL SIDE



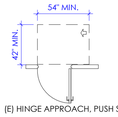
(B) FRONT APPROACH, PUSH SIDE



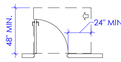
(C) HINGE APPROACH, PULL SIDE



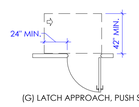
(D) HINGE APPROACH, PULL SIDE
FIG. 404.2.4.1



(E) HINGE APPROACH, PUSH SIDE

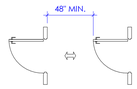


(F) LATCH APPROACH, PULL SIDE

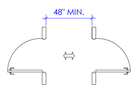


(G) LATCH APPROACH, PUSH SIDE

FIG. 404.2.6
TWO DOORS IN A SERIES



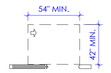
(A)



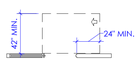
(B)

FIG. 404.2.4.2
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

(A) FRONT APPROACH



(B) POCKET OR HINGE APPROACH

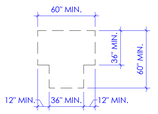


(C) STOP OR LATCH APPROACH

MANEUVERING CLEARANCE AT SWINGING DOORS

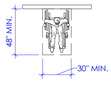
CLEAR FLOOR SPACE

(A) CIRCULAR

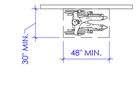


(B) T-SHAPED

FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE

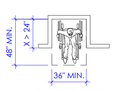


(A) FORWARD

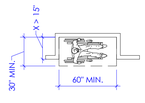


(B) PARALLEL

FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE



(A) FORWARD APPROACH



(B) PARALLEL APPROACH

FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

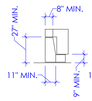


FIG. 306.3
KNEE CLEARANCE

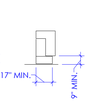


FIG. 306.2
TOE CLEARANCE

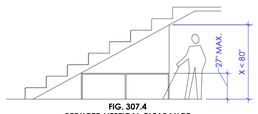


FIG. 307.4
REDUCED VERTICAL CLEARANCE

REACH RANGES

FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

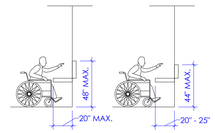


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

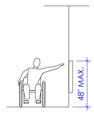


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

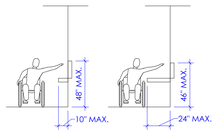


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

GENERAL SITE AND BUILDING ELEMENTS

FIG. 503.3
PASSENGER LOADING ZONE ACCESS AISLE

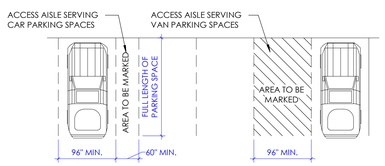
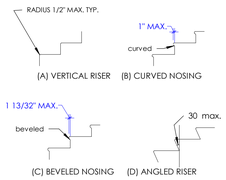


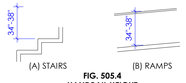
FIG. 502.2/502.3
VEHICLE PARKING SPACE/
PARKING SPACE ACCESS AISLE



(A) VERTICAL RISER (B) CURVED NOSING

(C) BEVELED NOSING (D) ANGLED RISER

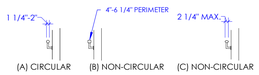
FIG. 504.5
STAIR NOSINGS



(A) STAIRS (B) RAMPS

FIG. 505.4
HANDRAIL HEIGHT

FIG. 505.5
HANDRAIL CLEARANCE



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

FIG. 505.7
HANDRAIL CROSS SECTION

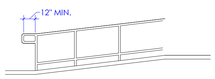


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

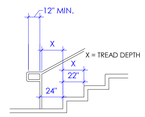


FIG. 505.10.2
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

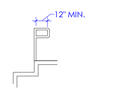


FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

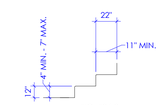


FIG. 504.2
TREADS AND RISERS FOR ACCESSIBLE STAIRWAYS

COMMUNICATION ELEMENTS AND FEATURES

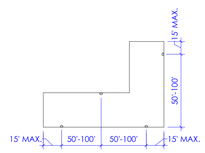
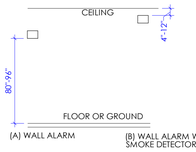


FIG. 702.3.5.1
APPLIANCE SPACING IN CORRIDORS



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

FIG. 702.3.3.1
LOCATION OF WALL-MOUNTED APPLIANCES

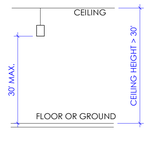
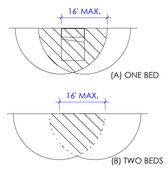


FIG. 702.3.3.2
LOCATION OF CEILING-MOUNTED APPLIANCES



(A) ONE BED (B) TWO BEDS

FIG. 702.3.6.2
APPLIANCE LOCATION IN SLEEPING ROOMS

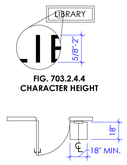
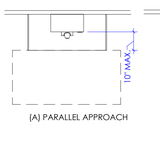
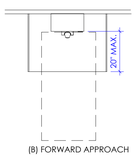


FIG. 703.2.4.4
CHARACTER HEIGHT

FIG. 703.2.8
MOUNTING LOCATION AT DOORS



(A) PARALLEL APPROACH



(B) FORWARD APPROACH

FIG. 704.2.1
CLEAR FLOOR OR GROUND SPACE FOR TELEPHONES

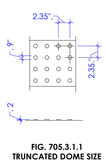


FIG. 705.3.1.1
TRUNCATED DOME SIZE

BUILDING BLOCKS

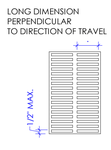


FIG. 302.3
OPENINGS IN FLOOR OR GROUND SURFACES

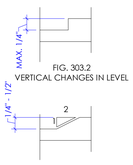


FIG. 303.2
VERTICAL CHANGES IN LEVEL

FIG. 303.3
BEVELED CHANGES IN LEVEL

PROTRUDING OBJECTS

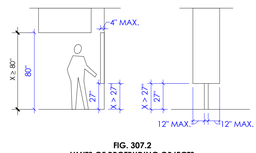


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

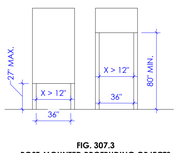
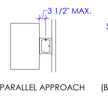
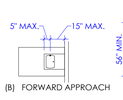


FIG. 307.3
POST-MOUNTED PROTRUDING OBJECTS

PLUMBING ELEMENTS AND FACILITIES



(A) PARALLEL APPROACH



(B) FORWARD APPROACH

FIG. 602.5
DRINKING FOUNTAIN SPOUT LOCATION

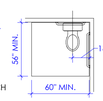
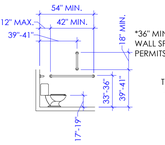


FIG. 604.2/604.3.1
WATER CLOSET LOCATION/
SIZE CLEARANCE



*36" MIN. WHEN WALL SPACE PERMITS

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

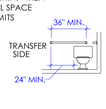


FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

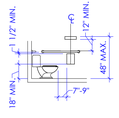


FIG. 604.7
DISPENSER LOCATION

(A) WALL-HUNG WATER CLOSET

(B) FLOOR-MOUNTED WATER CLOSET

FIG. 604.8.1.1
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

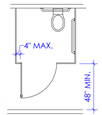
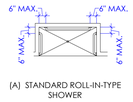
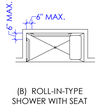


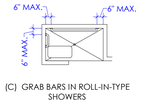
FIG. 604.8.3
TOILET COMPARTMENT DOORS



(A) STANDARD ROLL-IN-TYPE SHOWER



(B) ROLL-IN-TYPE SHOWER WITH SEAT



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

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

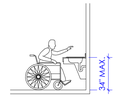


FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS

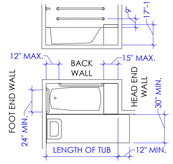


FIG. 607.4.1
GRAB BARS FOR BATHTUBS
WITH PERMANENT SEATS
(WITH FIG. 607.2 CLEARANCES)

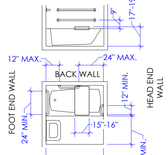


FIG. 607.4.2
GRAB BARS FOR BATHTUBS
WITHOUT PERMANENT SEATS
(WITH FIG. 607.2 CLEARANCES)

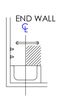


FIG. 607.5
LOCATION OF BATHTUB CONTROLS

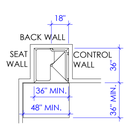


FIG. 608.2.1/608.3.1
TRANSFER-TYPE SHOWER
COMPARTMENT WITH GRAB BARS

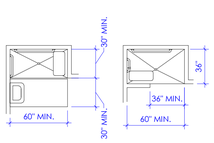
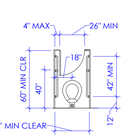
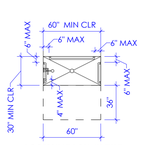


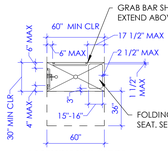
FIG. 608.2.2
STANDARD ROLL-IN-TYPE
SHOWER COMPARTMENT



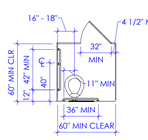
AMBULATORY TOILET
COMPARTMENT



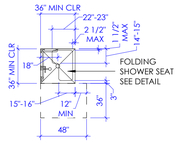
ACCESSIBLE ROLL-IN TYPE
SHOWER PLAN
(WITHOUT SEAT ADAAG)



ACCESSIBLE ROLL-IN TYPE
SHOWER PLAN
(WITH SEAT)



ACCESSIBLE TOILET
COMPARTMENT



ACCESSIBLE SHOWER PLAN

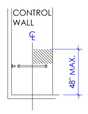
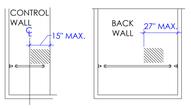


FIG. 608.5
CONTROLS IN TRANSFER-TYPE
SHOWERS



(A) (B)

FIG. 608.6
LOCATION OF SHOWER SPRAY UNIT

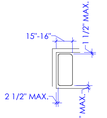


FIG. 610.3.1
RECTANGULAR SHOWER
COMPARTMENT SEAT

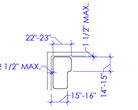


FIG. 610.3.2
L-SHAPED SHOWER
COMPARTMENT SEAT

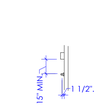
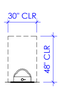
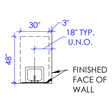


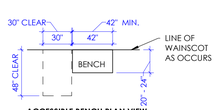
FIG. 609.3
SPACING OF GRAB
BARS



ACCESSIBLE
URINAL PLAN

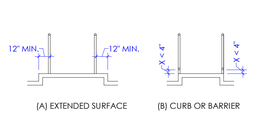


ACCESSIBLE
LAVATORY PLAN



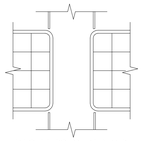
ACCESSIBLE BENCH PLAN VIEW

DRINKING
FOUNTAINS
PLAN VIEW

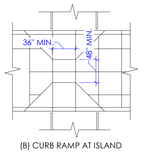


(A) EXTENDED SURFACE (B) CURB OR BARRIER

FIG. 405.9
RAMP EDGE PROTECTION

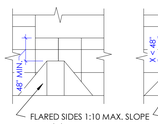


(A) CUT THROUGH AT ISLAND



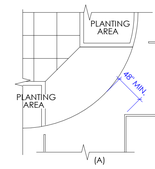
(B) CURB RAMP AT ISLAND

FIG. 406.12
ISLANDS

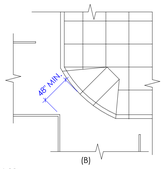


(A) FLARED SIDES 1:10 MAX. SLOPE (B) FLARED SIDES 1:12 MAX. SLOPE (C)

FIG. 406.4
SIDES OF CURB RAMPS



(A)



(B)

FIG. 406.11
DIAGONAL CURB RAMPS

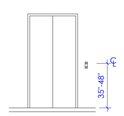


FIG. 407.2.2
ELEVATOR CALL BUTTONS

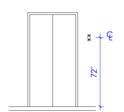


FIG. 407.2.3.2.1
HEIGHT OF ELEVATOR VISIBLE SIGNALS

ACCESSIBLE ROUTES

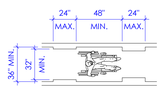


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

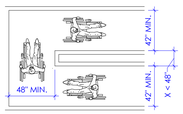
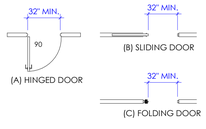
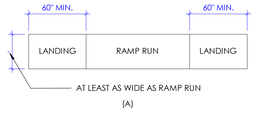


FIG. 403.5.1
CLEAR WIDTH AT TURN

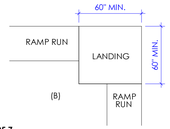


(A) HINGED DOOR (B) SLIDING DOOR (C) FOLDING DOOR

FIG. 404.2.3
CLEAR WIDTH OF DOORWAYS



(A)



(B)

FIG. 405.7
RAMP LANDINGS

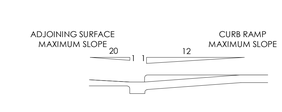


FIG. 406.3
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS

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

2/4/2020 9:03:42 PM

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LICENSED ARCHITECT

Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

American National Standard Institute Requirements

G004

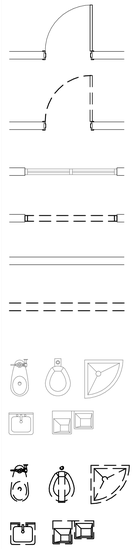
LEGEND - SITE PLAN

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

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

LEGEND - DEMOLITION FLOOR PLAN

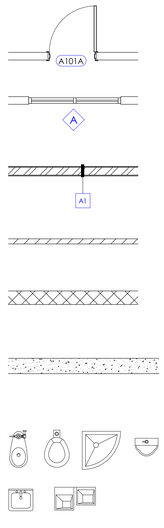
BUILDING COMPONENTS (DOORS, WALLS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.



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

LEGEND - FLOOR & DIMENSION PLANS

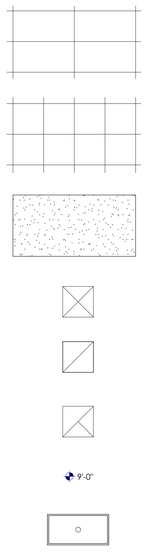
BUILDING COMPONENTS (DOORS, WALLS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GENERAL NOTES - DEMOLITION SITE PLAN

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

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

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

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

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

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

GENERAL NOTES - SITE PLAN

A. SEE SITE PLAN FOR SITE UTILITIES, DIMENSIONS, SIDEWALKS, AND ALL OTHER SITE RELATED ITEMS AND DETAILS. FIELD VERIFY ALL EXISTING CONDITIONS BEFORE PROCEEDING WITH THE WORK.

GENERAL NOTES - DOOR SCHEDULE

A. SEE PROJECT MANUAL FOR DOOR HARDWARE SCHEDULE.

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

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

D. ALL EXTERIOR DOORS SHALL BE INSULATED.

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

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

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

GENERAL NOTES - DEMOLITION FLOOR PLAN

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

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

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

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

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

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

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

GENERAL NOTES - EXTERIOR ELEVATIONS

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

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

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

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

GENERAL NOTES - FLOOR & DIM. PLANS

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

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

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

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

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

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

G. VERIFY WITH ARCHITECT FOR DIMENSIONS NOT SHOWN.

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

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

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

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

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

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

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

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

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

Q. SEE ENLARGED FLOOR PLANS FOR ADDITIONAL DIMENSIONS.

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

GENERAL NOTES - BUILDING SECTIONS

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

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

GENERAL NOTES - REFLECTED CEILING PLAN

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

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

C. CONTRACTOR SHALL NOT HANG CEILING TILES AND LIGHTS FROM DUCTS. FOR AREAS ABOVE THE CEILING WHERE OVERSIZE DUCTS OCCUR SEE DETAIL **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 - WALL SECTIONS

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

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

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

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

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

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

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

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

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

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

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

GENERAL NOTES - INTERIOR ELEVATIONS

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

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

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

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

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

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

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

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

I. COUNTERTOPS ARE TYPICALLY SUPPORTED BY WALLS AND BASE CABINETS. IN PLACES WHERE COUNTERTOP SPAN EXCEEDS 4' -0", STEEL SUPPORTS SHALL BE PROVIDED AS INDICATED IN DETAILS **-/---** AND **16 / A505B** .

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

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

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

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267857-0301
LICENSED ARCHITECT

Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

General Legend & Notes

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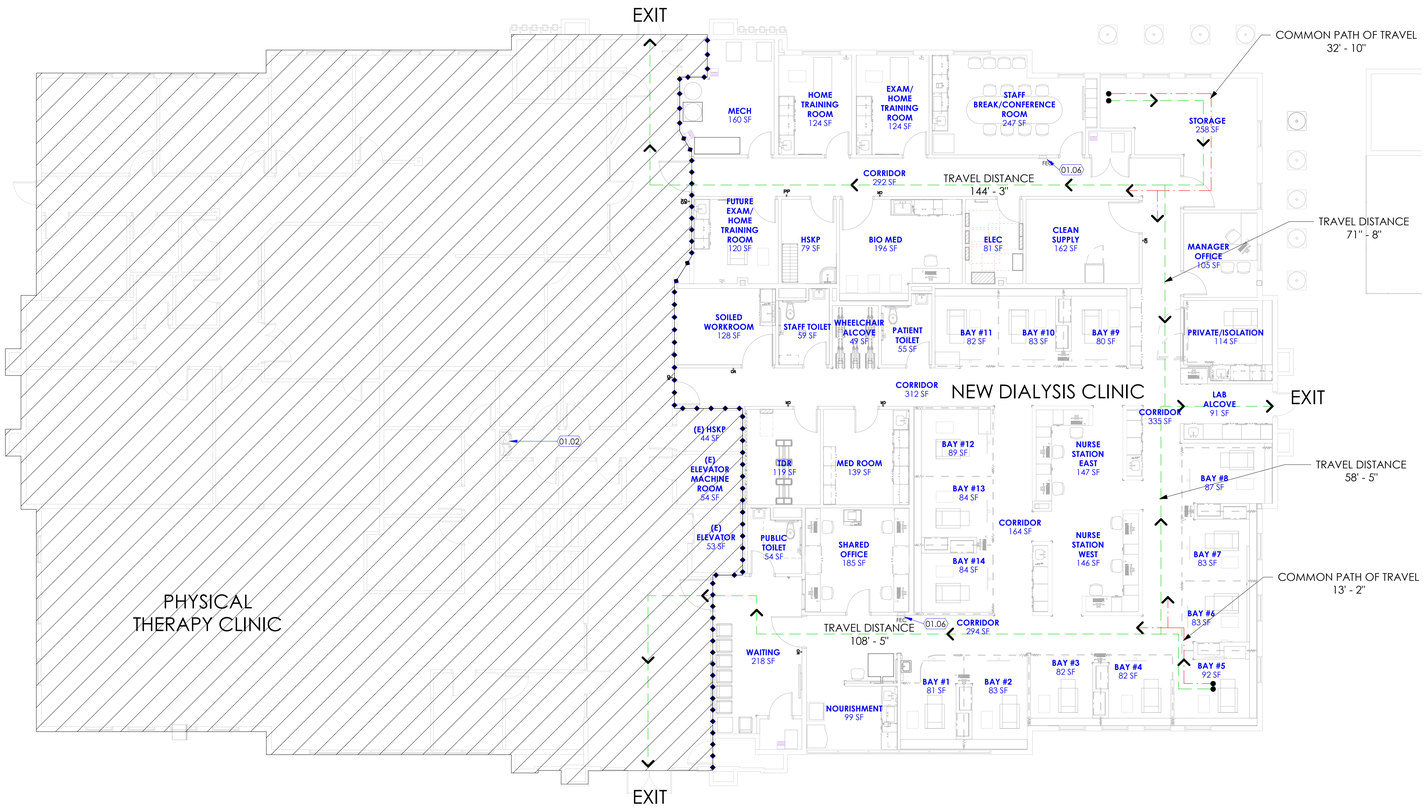
LEGEND

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

KEYED NOTES

01.02	EXISTING HIGH AND LOW DRINKING FOUNTAIN TO REMAIN. PROTECT DURING CONSTRUCTION.
01.06	NEW FIRE EXTINGUISHER AND CABINETS. SEE DETAIL 3/A506A



1 Code Compliance Floor Plan Level 1 - Overall
SCALE: 1/8" = 1'-0"

NORTH

CODE REVIEW

APPLICABLE CODES
2018 INTERNATIONAL BUILDING CODE

OCCUPANCY CLASSIFICATION
Business Group: **B**

REQUIRED SEPARATION OF OCCUPANCIES
(Table 508.4, Page 108)
Between B & S1: 0 hour (No separation requirement)

FIRE SPRINKLER SYSTEM
Building is equipped throughout with an automatic sprinkler system.

CONSTRUCTION TYPE
Building: Type V-B

BUILDING HEIGHT
(Table 504.3, Page 98)
Allowable Building Height: 75 feet
Actual Building Height: 45 feet & 4 inches

NUMBER OF STORIES
(Table 504.4, Page 99)
Allowable Number of Stories (Occupancy – B): 4

Actual Number of Stories: **2**
Below Grade Plane: **1** (Lift Pit Basement)

FLOOR AREA
(Table 506.2, Page 102)
Allowable Floor Area per Floor: Unlimited

Actual Floor Area on Level 1 – (Occupancy – B): 14,224 SF
Remodel Floor Area at Level 1: 6,442 SF

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
(Table 601, Page 113)

Primary structural frame:	0 hour
Bearing walls – Exterior:	0 hour
Bearing walls – Interior:	0 hour
Nonbearing walls and partitions – Exterior:	0 hour
Nonbearing walls and partitions – Interior:	0 hour
Floor construction and associated secondary members:	0 hour
Roof construction and associated secondary members:	0 hour

Dialysis Clinic is Ambulatory Care facility, therefore remodel suite is required to be separated from the other tenant occupied spaces with one-hour fire separation indicated in the code compliance plan including corridor walls and floor assembly above. See wall types sheet on A501 for UL listing for fire rated walls. See detail 3/A114 for fire rated floor assembly above ceiling for the entire remodel area.

FIRE-RESISTANCE RATING REQUIREMENTS FOR INCIDENTAL USES (ROOM OR AREA)
(Table 509, Page 109)
Paint Shop: 1 hour or Automatic Sprinkler System
Boiler Room: 1 hour or Automatic Sprinkler System
Laundry Room: 1 hour or Automatic Sprinkler System

SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
(Table 1006.2.1, Page 254)
Maximum Occupant Load of Space (Occupancy – B): 49

Common Path of Travel (Occupancy – B): 100 feet

EXIT ACCESS TRAVEL DISTANCE
(Table 1017.2, Page 277)
Maximum Travel Distance (Occupancy – B): 300 feet

CORRIDOR FIRE-RESISTANCE RATING
(Table 1020.1, Page 278)
Corridor Walls (Occupancies A3, B, S1): 0 hour

MINIMUM CORRIDOR WIDTH
(Table 1020.2, Page 279)
Minimum corridor width required: 44 inches
Actual corridor width provided: 65 inches

DEAD END CORRIDORS
(Page 279)
Occupancy - B: Not to exceed 50 feet

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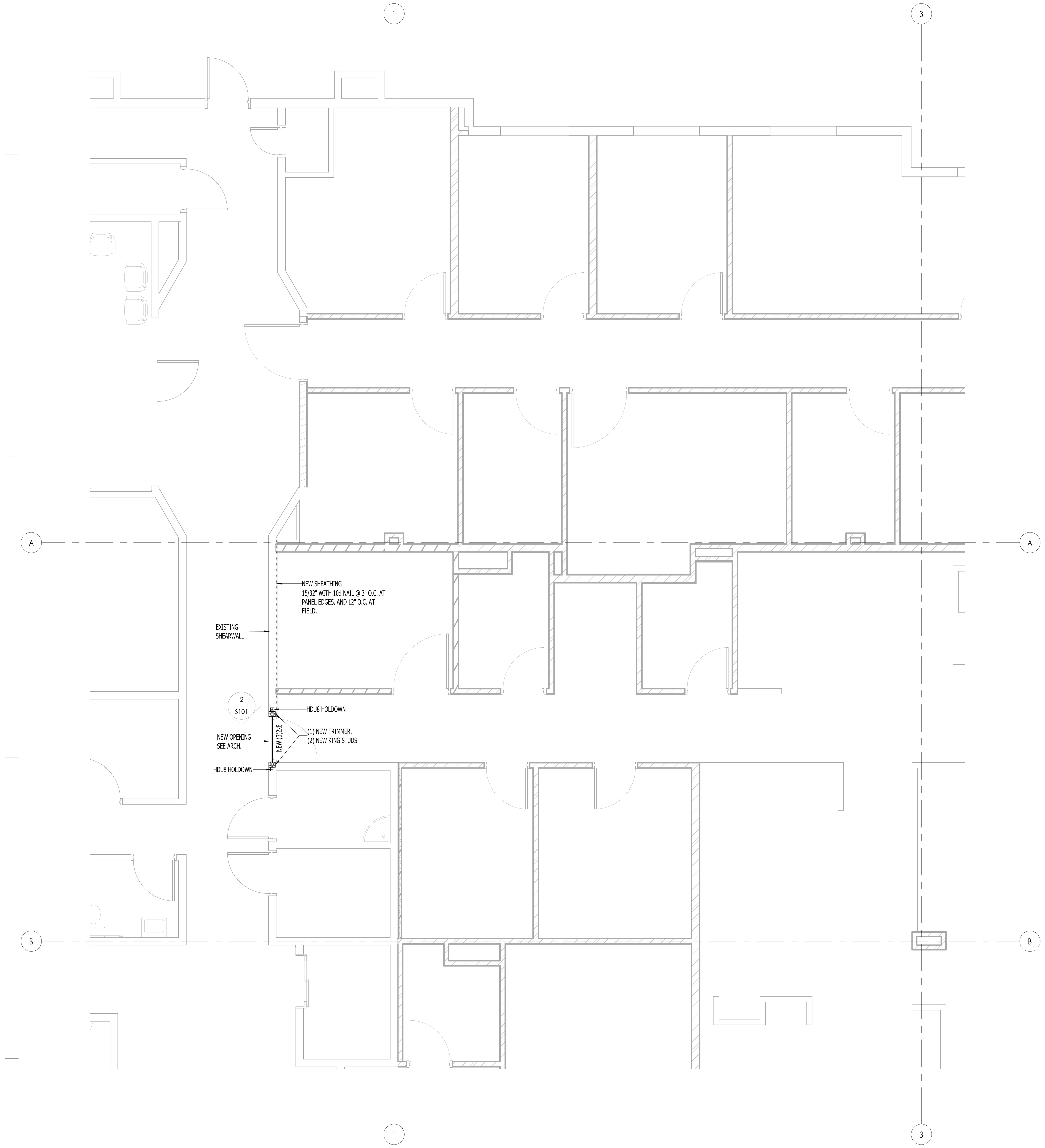
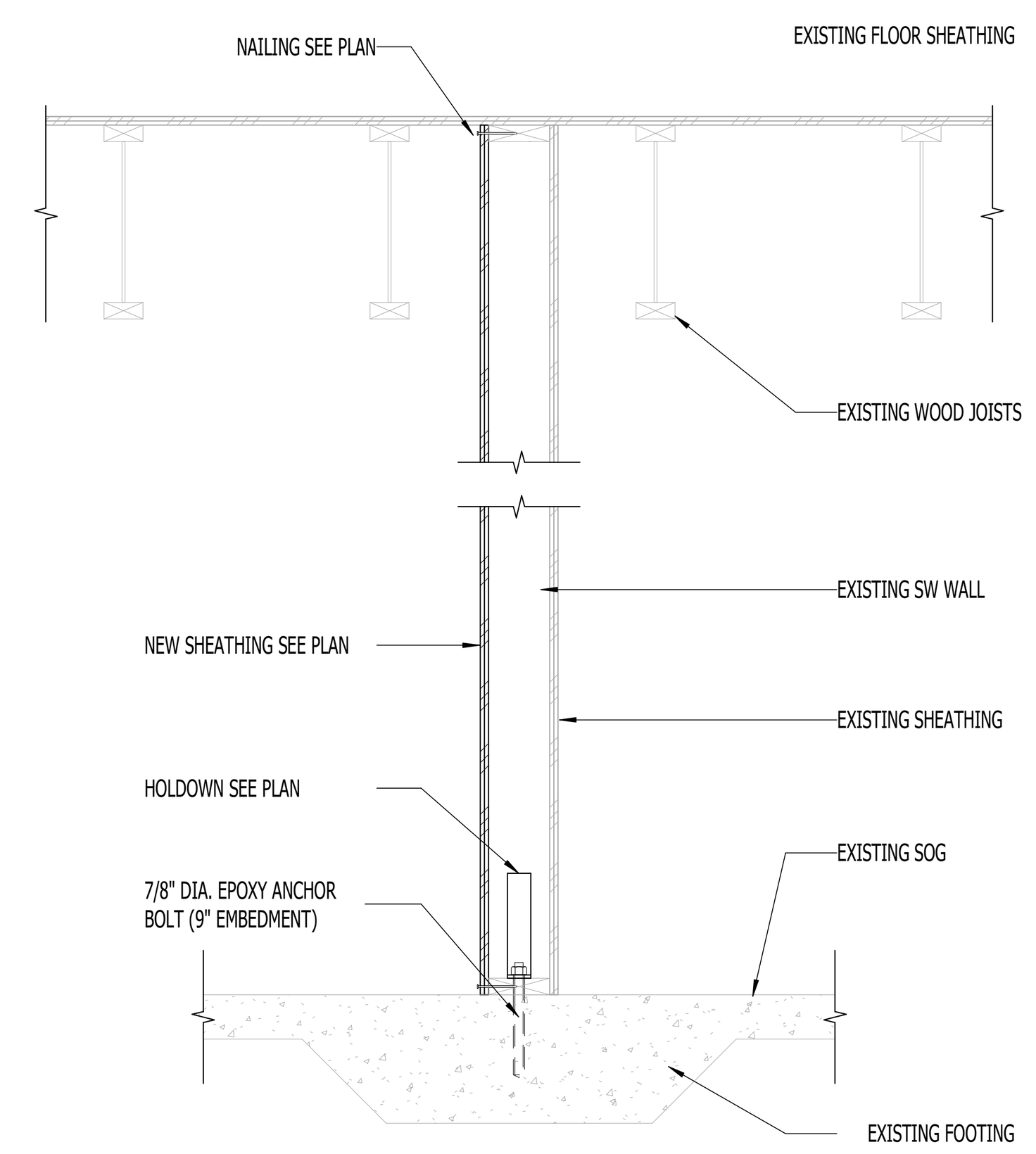


1 FRAMING PLAN LEVEL 1
SCALE: 1/4" = 1'-0"



2 NEW SHEATHING / HOLDOWN AT EXISTING SHEAR WALL
S101 NO SCALE:

GENERAL

1. Changes to these contract drawings may be made only by an authorized representative of the engineer or architect. The architect or engineer shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative.
2. Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
3. The contractor shall be responsible for means, methods, techniques, sequences, and procedures in order to comply with the contract drawings and specifications. The contractor shall provide adequate shoring and bracing as required for the chosen method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the floor/roof system is completed.
4. The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
5. The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
6. The contractor shall verify all site conditions and dimensions. If actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any affected elements.
7. The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
8. Typical details and sections shall apply where specific details are not shown.
9. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultants' drawings. Most dimensions and most non-structural elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. See the Architectural Drawings for dimensions, doors, windows, non-bearing interior and exterior walls, elevations, slopes, stairs, curbs, drains, recesses, depressions, railings, waterproofing, finishes, chamfers, kerfs, etc.
10. Shop drawings made from reproductions of the drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
11. Review of shop drawing submittals by the engineer is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents.
12. All work shall be done in accordance with OSHA requirements. Potential conflicts between these documents and OSHA requirements shall be brought to the attention of the structural engineer before proceeding with the work.
13. Site observations by the engineer and or architect shall not be construed as approval of construction, the procedures, nor special inspection.
14. The terms "Engineer" and "Engineer of Record" (EOR) are meant to refer to an authorized representative of M J Structural Engineers.

WOOD

1. Materials
   1.1. Dimension Lumber and Timbers (Sawn Lumber)
   - All dimensioned lumber shall comply with USDOC PS20.
   - Visually graded dimension lumber shall be Douglas Fir-Larch #2 or better.
   - Visually graded timbers (5" x 5" and larger) shall be Douglas Fir-Larch #1 or better.
   - Machine stress rated (MSR) lumber shall be 1600f-1.6E or better.
   - End jointed lumber may be used interchangeably with solid sawn members of the same species and grade with written approval from the Engineer.

   1.2. Wood Structural Panel Sheathing
   - Wood sheathing shall be APA rated sheathing Exposure 1 unless noted otherwise and shall conform to the requirements for its type in USDOC PS1 or USDOC PS2. The panels must be identified by the trademarks of the approving testing and inspection agency.
   - Wood sheathing minimum thicknesses, span ratings, and nailing requirements shall be as indicated in the Roof and Floor Sheathing Schedule, unless noted otherw
     - ◇ Wood sheathing shall have the following minimum thicknesses and span ratings, unless noted otherwise:

Roof	15/32"(32/16), 19/32"(40/20)
Floor	23/32"(48/24)
Wall	15/32"(32/16), 7/16"(24/16)

   - Nails or other approved fasteners used to connect sheathing to the structure shall be driven such that their head or crown is flush with the surface of the sheathing. Do not overdrive fasteners.

   1.3. Nails
   - All Nails shall conform with the tolerances specified in ASTM F1667, "Standard Specification of Driven Fasteners: Nails, Spikes and Staples."
   - All nails shall be common nails with the following properties:

Nail Size	Shank Diameter	Min. Penetration into Support Member
6d	0.113"	1.25"
8d	0.131"	1.50"
10d	0.148"	1.63"
12d	0.148"	1.63"
16d	0.162"	1.75"

   - Nails with properties less then those listed above shall not be used without prior written approval from the Engineer.
   - Nails shall have round (full) heads. Nails with "T", brad, finish or casing heads are not permitted.
   - Deformed shank nails shall have either a helical (screw) or an annular (ring) shank.

   1.4. Bolts
   - Anchor Bolts: ASTM F1554 Grade 36 (or A307 Grade A/C or A36)
     - ◇ All anchor bolts connecting the sill plate to the concrete foundation shall have a PL1/4"x3"x3" washer between the sill plate and the nut and have a minimum 7" embedment into concrete.
   - Connection Bolts: ASTM A307 Grade A/C/ or A36
     - ◇ All bolted connections shall have a standard cut or larger washer on both sides of the connection (between the head and the wood member and between the nut and the wood member).
   - Bolt holes shall be a minimum of 1/32" to a maximum of 1/16" larger than the bolt diameter. Holes shall be accurately aligned in main members and side plates or side members. Bolts shall not be forcibly driven.
   - All bolted connections shall have a standard cut or larger washer on both sides of the connection
2. Connection Hardware
   2.1. All connection hardware shown shall be supplied by Simpson Strong-Tie Incorporated or USP structural connectors.
   2.2. Install all hardware per the manufacturer's guidelines.
   2.3. Connection hardware of equal design properties by other manufacturers may be substituted with written approval from the Engineer.
3. All fasteners in contact with pressure-treated or fire-treated wood shall be hot-dipped zinc-coated galvanized or stainless steel.

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Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

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FLOOR FRAMING PLAN LEVEL 1

S101

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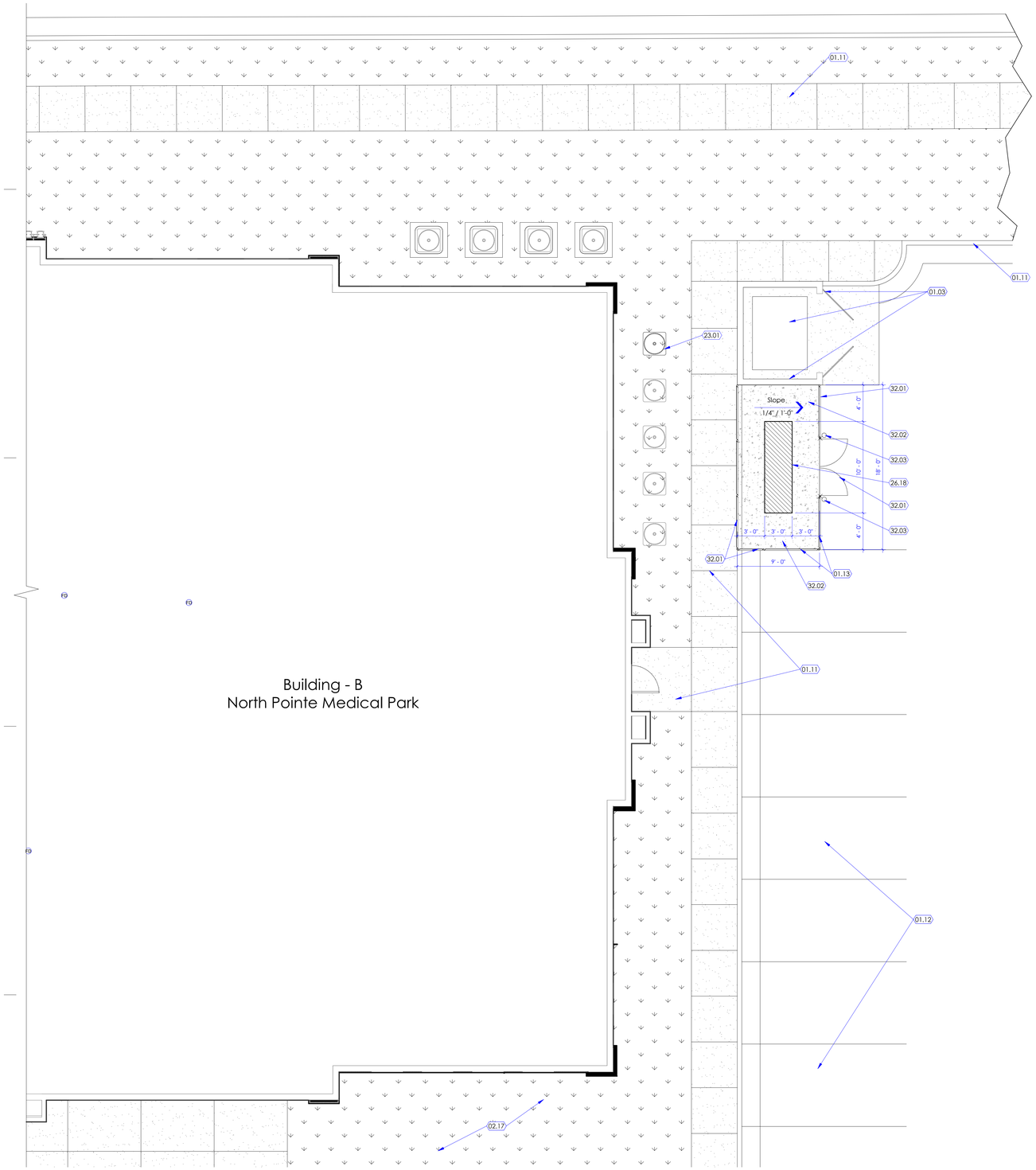

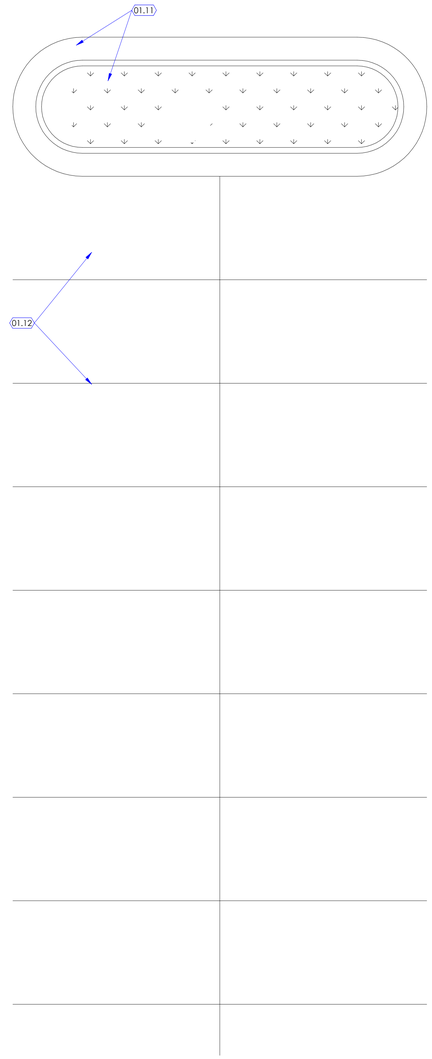

KEYED NOTES

01.03 EXISTING DUMPSTER AND CMU WALL ENCLOSURE AND METAL GATE TO REMAIN PROTECT DURING CONSTRUCTION.

01.11 EXISTING CONCRETE SIDEWALK, CURB, GUTTER AND LANDSCAPING TO REMAIN. PROTECT DURING CONSTRUCTION. PATCH REPAIR TO ORIGINAL CONDITION IF DAMAGED OR REQUIRED TO BE PARTIALLY REMOVED FOR UTILITY WORK. SEE ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION.

01.12 EXISTING ASPHALT PAVING, PARKING STRIPE ETC., AT THE PARKING LOT TO REMAIN. PROTECT DURING CONSTRUCTION. PATCH REPAIR TO ORIGINAL CONDITION IF DAMAGED.

01.13 SAW-CUT EXISTING ASPHALT PAVING ALONG THE PERIMETER WHERE NEW CONCRETE SLAB IS CALLED OUT. PREPARE GRADE TO RECEIVE NEW CONCRETE SLAB. SEAL AROUND THE PERIMETER AFTER WORK IS COMPLETED.

02.15 REMOVE MODULAR FURNITURE. SALVAGE AND RETURN TO OWNER.

02.17 EXISTING FLOORING TO REMAIN. PROTECT DURING CONSTRUCTION.

02.18 REMOVE EXISTING WALL MOUNTED FIRE EXTINGUISHER AND RETURN TO OWNER

23.01 NEW CONDENSING UNIT ON HOUSEKEEPING PAD. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATH AND REPAIR LANDSCAPE AROUND THE UNIT AS REQUIRED AFTER WORK IS COMPLETED.

26.18 NEW EMERGENCY GENERATOR. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION AND PROVIDE REQUIRED CLEARANCES.

32.01 NEW GALVANIZED CHAINLINK FENCE & GATE WITH PADLOCK, 8'-0" HIGH WITH BLACK VINYL COATING & PRIVACY SLATS. SLATS SHALL MATCH COLOR OF EXISTING EXTERIOR WALL FIELD COLOR. SEE FENCE & POST DETAIL 3/A504A.

32.02 NEW 8" THICK REINFORCED CONCRETE SLAB ON GRADE FOR GENERATOR PAD. SEE SLAB DETAIL ON ELECTRICAL SHEET ES101 FOR MORE INFORMATION. PROVIDE CHAINLINK FENCE AND GATE. SLOPE CONCRETE TOWARDS THE GATE AT MINIMUM 1/4" PER FOOT.

32.03 NEW PIPE BOLLARD. SEE DETAIL 5/A506A

GENERAL NOTES

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

1 Partial Site Plan - Building B
SCALE: 3/16" = 1'-0"

NORTH

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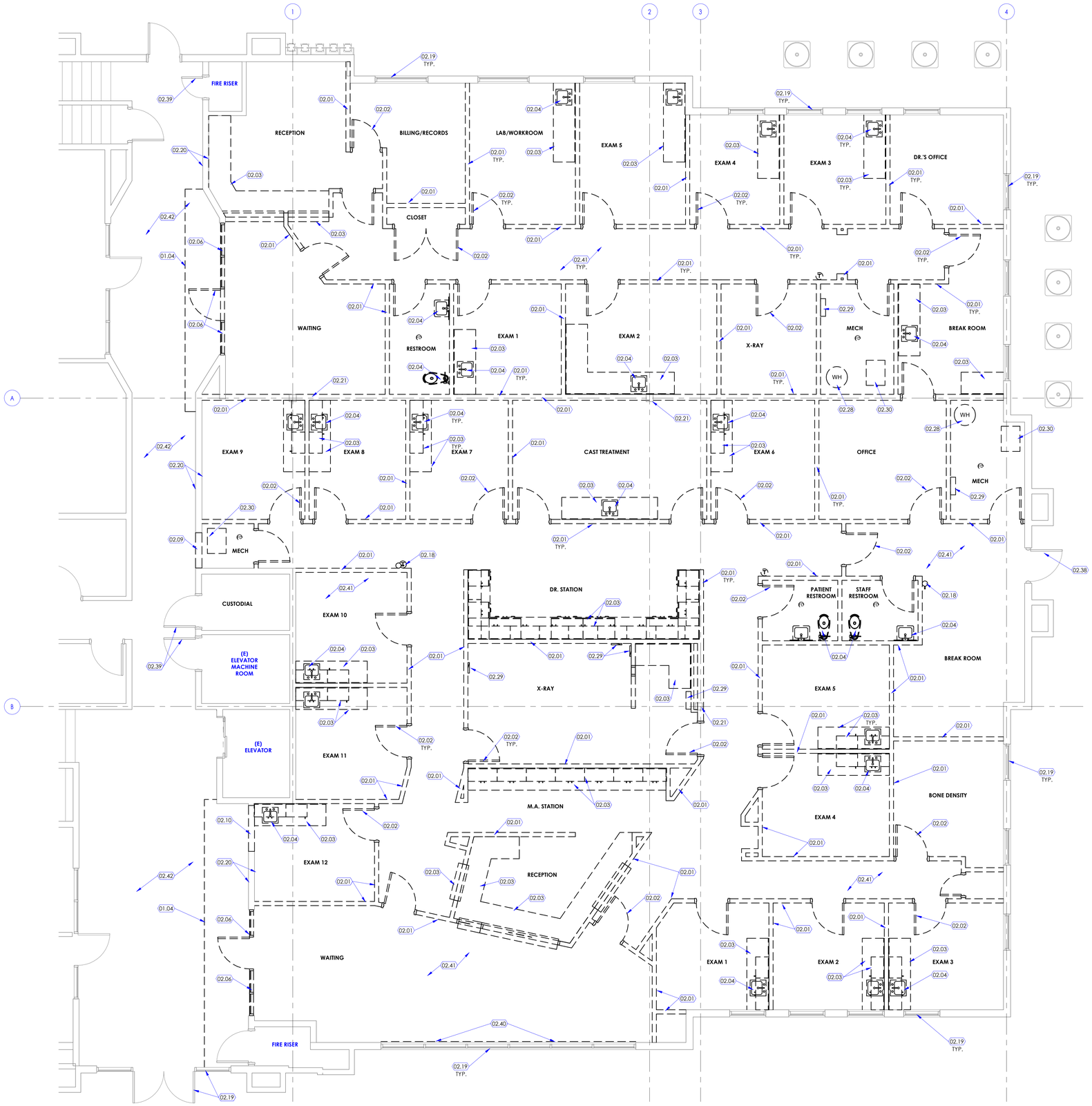
Partial Site Plan

A010



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

KEYED NOTES

01.04 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. ALL AREAS AROUND VISQUEEN BARRIER TO BE COMPLETE SEALED INCLUDING ANY AND ALL PENTRATIONS THROUGH BARRIER.

02.01 REMOVE EXISTING WOOD STUD FRAMED WALL SHOWN DASHED 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 MILLWORK INCLUDING BASE CABINETS, UPPER/WALL CABINETS, FULL HEIGHT CABINETS, COUNTERTOPS, CLOSER PANEL, SLOPED DUST TOP, ETC.

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

02.06 REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM, GLASS AND ASSOCIATED HARDWARE.

02.09 REMOVE PORTION OF EXISTING SHEAR WALL WITH WOOD STUD FRAMING AND PLYWOOD SHEATHING FOR NEW DOOR OPENING. SEE KEYED NOTES 2.01 FOR WALL DEMOLITION. VERIFY ROUGH OPENING NEEDED FROM DOOR SCHEDULE. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS AND DETAILS.

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

02.18 REMOVE EXISTING WALL MOUNTED FIRE EXTINGUISHER AND RETURN TO OWNER

02.19 EXISTING EXTERIOR ALUMINUM WINDOW AND STOREFRONT SYSTEM TO REMAIN. PROTECT DURING CONSTRUCTION. REMOVE EXISTING WINDOW BLINDS, TYPICAL.

02.20 REMOVE GYPSUM BOARD FROM EACH SIDE OF THE EXISTING WOOD STUD FRAMED WALL AND REPLACE WITH TYPE-X GYPSUM BOARD SHEATHING AND EXTEND WALL TO FLOOR DECK ABOVE TO ACHIVE 1-HR FIRE RATING. SEE FLOOR PLAN FOR WALL TYPE.

02.21 EXISTING TUBE STEEL STRUCTURAL COLUMN TO REMAIN. PROTECT DURING CONSTRUCTION.

02.28 REMOVE EXISTING WATER HEATER. SEE PLUMBING DRAWINGS.

02.29 REMOVE COMMUNICATION PANELS. SEE ELECTRICAL DRAWINGS.

02.30 CAREFULLY REMOVE AND RELOCATE EXISTING FURNACE. SEE MECHANICAL DRAWINGS

02.38 EXISTING ALUMINUM STOREFRONT GLAZED DOOR AND HARDWARE TO REMAIN. PROTECT DURING CONSTRUCTION.

02.39 EXISTING DOOR AND HARDWARE TO REMAIN. PROTECT DURING CONSTRUCTION.

02.40 REMOVE EXISTING WINDOW SHUTTERS.

02.41 REMOVE EXISTING FLOOR FINISH INCLUDING ADHESIVE DOWN TO THE BARE CONCRETE FLOOR. PREPARE FLOOR TO RECEIVE NEW FINISHES. SEE FINISH FLOOR PLAN FOR MORE INFORMATION.

02.42 EXISTING FLOOR FINISH TO REMAIN. PROTECT DURING CONSTRUCTION. PATCH AND REPAIR AS REQUIRED AFTER REMODEL WORK IS COMPLETED.

GENERAL NOTES

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

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Demolition Floor Plan Level 1

A110

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Floor Slab Demolition Plan Level 1

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

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KEYED NOTES

02.07 SAWCUT EXISTING 4" THICK REINFORCED CONCRETE FLOOR SLAB IN THIS AREA FOR INSTALLATION OF NEW PLUMBING LINES. SEE PLUMBING DRAWINGS FOR EXTENT OF DEMOLITION REQUIRED. COMPACT & PREPARE GRADE. INSTALL DRAINAGE GRAVEL AND VAPOR RETARDER BEFORE POURING NEW CONCRETE SLAB. TOP OF NEW SLAB SHALL FLUSH WITH ADJACENT EXISTING. SEE DETAIL 4/A506A

02.08 SAWCUT EXISTING FLOOR SLAB IN THIS AREA FOR NEW RECESSED IN-FLOOR SCALE. SEE NEW FLOOR PLAN. SEE DETAIL 2/A504A

GENERAL NOTES

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

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Floor Slab Demolition Plan

A111

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

NORTH

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KEYED NOTES

02.31 REMOVE EXISTING CEILING TILES, GRIDS, LIGHT FIXTURES, HVAC DIFFUSERS, SPEAKERS AND OTHER CEILING MOUNTED ITEMS. REFER TO MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR MORE INFORMATION. REMOVE ASSOCIATED ACCESSORIES AND HARDWARE.

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.

02.43 EXISTING GYPSUM BOARD CEILING, LIGHTS, DIFFUSERS ETC AT HALLWAY TO REMAIN. PROTECT DURING CONSTRUCTION. REMOVE PORTIONS OF CEILING ADJACENT TO NEW CONSTRUCTION AS REQUIRED TO COMPLETE WORK. PATCH, REPAIR AND PAINT CEILING TO ORIGINAL CONDITION AFTER WORK IS COMPLETED.

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Demolition Reflected Ceiling Plan Level 1

A112

1 Floor Plan Level 1

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

NORTH

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KEYED NOTES

01.14 DASHED LINE INDICATES AREA OF FUTURE TRAINING ROOM A141 TO BE BID UNDER BID ALTERNATE #1. THE ROOM SHALL HAVE WALLS AND DOOR IN BASE BID ALONG WITH PLUMBING PIPING, HVAC ITEMS NOTED IN CONSTRUCTION DOCUMENTS, NEW FINISHES, CEILING, MILLWORK, LIGHTING, PLUMBING FIXTURE ETC TO BE BID UNDER ALTERNATE #1.

06.17 PLUMBING CHASE WALL. SEE INTERIOR ELEVATIONS AND DETAILS ON SHEET A505C. ALSO SEE ELECTRICAL AND PLUMBING DRAWINGS.

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

08.01 NEW DOOR. SEE DOOR SCHEDULE.

08.03 CARD ACCESS, TYPICAL. SEE ELECTRICAL DRAWINGS.

08.04 CARD ACCESS AND AUTOMATED DOOR OPENER. SEE ELECTRICAL DRAWINGS.

08.05 PUSH PAD FOR AUTO DOOR ACTIVATION. SEE ELECTRICAL DRAWINGS.

08.07 OVERHEAD CONCEALED FULL BREAKOUT TRACKLESS UL 1784 SMOKE RATED NARROW STILE SINGLE SLIDE ALUMINUM AND GLASS DOOR. BASIS OF DESIGN: ASSA ABLOY VERSAMAX ICU DOOR SYSTEM, GLAZING TO BE 1/4" CLEAR TEMPERED. SEE DETAIL 8/A601A & 10/A601A.

08.08 EXISTING EXTERIOR WINDOWS TO REMAIN. PROTECT DURING CONSTRUCTION.

08.09 ALUMINUM AND GLASS MANUAL SLIDING WINDOW. BASIS OF DESIGN C. R. LAURENCE DW 4200 A TWO PANEL MANUAL DELUXE LOCKABLE SLIDING WINDOW. FINISH: SATIN ANODIZED. SEE SHEET A601A.

08.10 INTERIOR WINDOW . SEE SCHEDULE. HM WINDOW FRAME AND GLAZING TO BE 1-HR FIRE RATED.

09.04 PARTIAL HEIGHT WALL WITH SOLID SURFACE CAP. SEE WALL TYPE 'P' ON SHEET A501.

09.08 3/4" THICK FIRE TREATED PLYWOOD FROM TOP OF BASE TO 7'-0" ABOVE BASE- ALL WALLS. TYPICAL. PAINT PLYWOOD TO MATCH WALL COLOR

09.27 PROVIDE SOLID SURFACE WINDOW SILL AT ALL EXTERIOR WINDOWS TYPICAL. SEE FINISH SCHEDULE AND DETAIL 5/A602A.

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

10.11 METAL LOCKERS, 15" W X 18" D X 2 TIER. TOTAL 10 LOCKERS. SEE SPECIFICATIONS. SEE DETAIL 6/A526A FOR LOCKER BASE DETAIL.

10.18 COFFEE POT, OFCI. SEE ELECTRICAL DRAWINGS.

10.19 REFRIGERATOR, OFCI. SEE ELECTRICAL DRAWINGS.

11.02 NURSE CHARTING STATION. SEE DETAIL 1/A504A. ALSO SEE DETAIL 13/A502A FOR BACKING REQUIREMENTS. SEE ELECTRICAL DRAWINGS FOR POWER AND DATA.

11.05 METAL SHELVING, OFOI.

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

11.07 DIALYSIS HOSE AND SUPPLY BOX. SEE PLUMBING DRAWINGS. VERIFY LOCATION AND HEIGHT WITH OWNER BEFORE INSTALLATION.

11.08 TABLO HEMODIALYSIS SYSTEM. PROVIDED AND INSTALLED BY OWNERS VENDOR.

11.12 VENDING MACHINE, OFOI. SEE ELECTRICAL DRAWINGS

11.13 ICE AND WATER DISPENSER ON STAND, OFCI. SEE PLUMBING DRAWINGS.

11.14 FLUSH MOUNTED IN- FLOOR SCALE, OFCI. CONCRETE FLOOR TO HAVE A 3" RECESS FOR IN-FLOOR SCALE. RECESS TO BE 3'-0" W X 3'-4" D. PROVIDE 10" MINIMUM CLEARANCE FROM BACK WALL AND 6" MININ CLEARANCE FROM SIDE WALL AS SHOWN. ALSO PROVIDE 3" RECESS FOR CONDUIT CENTERED ON THE RECESSED SLAB/IN-FLOOR SCALE FROM THE FLOOR SCALE TO WALL BEHIND. COORDINATE WITH IN-FLOOR SCALE MANUFACTURER. SEE DETAIL 2/A504A. POUR NEW THICKENED SLAB AFTER REMOVAL OF CONCRETE.

11.15 HIGH DENSITY WIRE SHELVING, OFOI

11.16 FLOOR MOUNTED BLANKET WARMER, OFOI. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.

11.17 LINEN CART, OFOI.

11.18 EXAM TABLE, OFOI. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.

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

12.02 PRIVACY CURTAIN AND TRACK. SEE FINISH SCHEDULE AND PROJECT MANUAL . SEE DETAIL 13/A503A

12.03 PROVIDE AND INSTALL 1" ALUMINUM BLINDS AT ALL EXTERIOR WINDOWS, TYPICAL THROUGHOUT THE PROJECT. FIELD VERIFY WINDOW SIZE BEFORE INSTALLATION.

22.01 FLOOR MOUNTED WATER CLOSET. SEE PLUMBING DRAWINGS.

22.02 WALL MOUNTED HAND WASH SINK. SEE PLUMBING DRAWINGS.

22.03 MOP SINK. SEE PLUMBING DRAWINGS.

22.04 COUNTER MOUNTED STAINLESS STEEL DEEP SINK. SEE PLUMBING DRAWINGS.

22.05 COUNTER MOUNTED EYE WASH. SEE PLUMBING DRAWINGS.

26.04 WALL MOUNTED PLUG STRIP. SEE ELECTRICAL DRAWINGS.

26.06 DOOR RELEASE BUTTON. SEE ELECTRICAL DRAWINGS.

26.14 NURSE CALL WITH PILLOW SPEAKER. SEE ELECTRICAL DRAWINGS.

26.16 WALL PHONE. SEE ELECTRICAL DRAWINGS.

26.17 FLOOR MOUNTED MULTI FUNCTION PRINTER/COPIER. SEE ELECTRICAL DRAWINGS FOR POWER AND DATA.

26.19 SEE ELECTRICAL DRAWINGS FOR FLOOR BOX RECESSED IN CONCRETE TO PROVIDE POWER AND DATA CONNECTION TO THE TABLE. COORDINATE WITH OWNERS VENDOR MIDWEST FURNITURE FOR LOCATION OF THE TABLE LEGS TO RUN ELECTRICAL CONNECTIONS TO THE TABLE.

GENERAL NOTES

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

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NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Floor Plan
Level 1

A113

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

KEYED NOTES

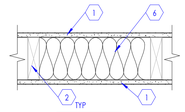
03.01 SAW CUT EXISTING CONCRETE SLAB ON GRADE (36" L X 40" W) . EXTEND SAW CUT 3" WIDE TO WALL BEYOND AS SHOWN. POUR NEW 4" THICK CONCRETE SLAB ON GRADE OVER 4" DRAINAGE GRAVEL SUCH THAT THE RECESS/ DEPRESSION IN THE NEW SLAB IS 3" FROM THE ADJACENT FLOOR SLAB.

GENERAL NOTES

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

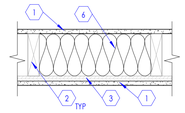
KEYED NOTES

1. NEW 5/8" THICK TYPE 'X' GYPSUM WALL BOARD FROM FINISHED FLOOR TO DECK/ STRUCTURE ABOVE.
2. EXISTING 2x6 WOOD STUDS @ 16" O.C.
3. EXISTING SHEATHING TO REMAIN.
4. EXISTING GYPSUM WALL BOARD.
5. NEW 2x6 WOOD STUDS @ 16" O.C. TO MATCH ADJACENT EXISTING.
6. NEW SOUND BATT INSULATION.
7. NEW SHEATHING. SEE STRUCTURAL DRAWINGS.



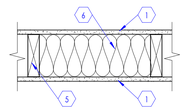
PLAN VIEW

Type - Q
Wood Stud Furring Wall
UL U305 1-HOUR RATED



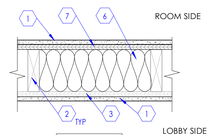
PLAN VIEW

Type - R
Wood Stud Furring Wall
UL U305 1-HOUR RATED



PLAN VIEW

Type - S
Wood Stud Furring Wall
UL U305 1-HOUR RATED



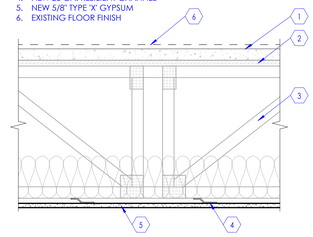
PLAN VIEW

Type - T
Wood Stud Furring Wall
UL U305 1-HOUR RATED

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

KEYED NOTES

1. EXISTING 1 1/2" GYPCRETE TOPPING
2. EXISTING 3/4" PLYWOOD SHEATHING
3. EXISTING WOOD JOIST
4. NEW 25 GA. RESILIENT CHANNEL
5. NEW 5/8" TYPE 'X' GYPSUM
6. EXISTING FLOOR FINISH



3 1-Hr. Fire Rated Floor Assembly
SCALE: 1 1/2" = 1'-0" UL U521 1-HOUR RATED (APPLY UNDERFLOOR JOISTS OF ENTIRE REMODEL SUITE.)

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NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Dimension Floor Plan Level 1

A114

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1 Reflected Ceiling Plan Level 1

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

NORTH

KEYED NOTES

01.15 NO CEILING IN THIS ROOM. TYPE-X GYPSUM BOARD ATTACHED TO THE FLOOR JOIST ABOVE WITH RESILIENT CHANNEL TO ACHIEVE 1-HR FIRE RATED FLOOR ASSEMBLY. SEE DETAIL 3/A114. 1-HR FIRE RATED FLOOR ASSEMBLY REQUIRED AT THE ENTIRE REMODEL SUITE.

09.35 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. TYPICAL THROUGHOUT THE ENTIRE CLINIC/PROJECT.

09.36 ADD ONE LAYER OF 5/8" THICK, TYPE 'X' GYPSUM BOARD TO THE BOTTOM OF CEILING JOISTS . TYPICAL THROUGHOUT THE ENTIRE CLINIC/ PROJECT. GYP. BD. TO BE MUDDED AND TAPED ONLY. PAINT GYP. BD. IN ROOMS THAT ARE EXPOSED TO VIEW AND DO NOT HAVE A LAY-IN OR A HARD LING CEILING BELOW.

09.37 GYPSUM BOARD CEILING. SEE DETAIL 5/A503A.

09.38 GYPSUM BOARD SOFFIT. SEE DETAIL 9/A503A.

09.39 GYPSUM BOARD HEADER. SEE DETAIL 6/A503A.

09.42 CEILING MOUNTED CCTV CAMERA. SEE ELECTRICAL DRAWINGS.

11.10 CEILING MOUNTED TV. OFCI. PROVIDE 3" STAINLESS STEEL GROMMET AT OPENING IN CEILING TILE AT ALL CEILING MOUNTED TV LOCATIONS, TYPICAL.

GENERAL NOTES

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

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267857-0301
LICENSED ARCHITECT

Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Reflected Ceiling Plan Level 1

A115

2/4/2020 9:01:22 PM

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

2/4/2020 9:01:33 PM

KEYED NOTES

09.17 PROVIDE TRANSITION BETWEEN SHEET VINYL FLOORING AND CARPET FLOORING. SEE DETAIL 2/A602A.

09.18 PROVIDE TRANSITION BETWEEN SHEET VINYL FLOORING AND EPOXY PAINTED CONCRETE FLOOR. SEE DETAIL 3/A602A.

09.19 FLOAT FLOOR TO PROVIDE A SMOOTH TRANSITION.

09.26 PAINT AND FINISH CORRIDOR WALL TO MATCH COLOR AND FINISH OF THE ADJACENT EXISTING BUILDING HALLWAY. PROVIDE MATCHING WALL BASE. SEE FINISH SCHEDULE.

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Finish Floor Plan Level 1

A116

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

NORTH

KEYED NOTES

FLOOR PATTERN NOTES & LEGEND

MATERIAL REPRESENTATION OF FLOOR COVERINGS:

THIS "NET" PATTERN REPRESENTS MATERIALS REQUIRED IN SMOOTH TEXTURE AND TILE FORMAT (EXAMPLE: VCT, LVT, QUARRY, CERAMIC, PORCELAIN, ETC.)

THIS "LINEAR" PATTERN REPRESENTS MATERIALS REQUIRED IN SMOOTH TEXTURE AND ROLL FORMAT (EXAMPLE: SHEET VINYL, ETC.)

THIS "DOT" PATTERN REPRESENTS MATERIALS REQUIRED IN ROUGH TEXTURE (EXAMPLE: CARPET TILE, CARPET BROADLOOM, WALK-OFF MAT, ETC.)

THIS "WAVE" PATTERN REPRESENTS MATERIALS APPLIED AS LIQUID AND HARDENED LATER (EXAMPLE: PAINT, EPOXY RESIN, SEALERS, TERRAZZO, MOSAIC, ETC.)

NOTE:
IN THIS FLOOR PATTERN PLAN, ONLY ROOMS (AND AREAS) THAT REQUIRE A SPECIFIC JOINT PATTERN AND ACCENT COLORS ARE INDICATED. SEE SCHEDULE BELOW FOR REQUIRED JOINT AND COLOR PATTERNS. FOR THE REMAINING ROOMS (AND AREAS) IN THE PROJECT, WHERE NO JOINTS OR COLORS ARE INDICATED, INSTALL THE DEFAULT "JP-1 (SQUARE)" FOR JOINTS AND "FC (FIELD COLOR)" AS INDICATED IN THE FINISH SCHEDULE.

JOINT PATTERN LEGEND

SEE FINISH SCHEDULE FOR FLOOR COVERING MATERIAL, SIZE OF FLOOR TILES, PLANKS, ROLL WIDTH, ETC.

- JP-1 (SQUARE). SEE DETAIL -/---
- JP-2 (RECTANGULAR). SEE DETAIL -/---
- JP-3 (OFFSET). SEE DETAIL -/---
- JP-4 (HEXAGONAL). SEE DETAIL -/---
- JP-5 (CUSTOM). SEE DETAIL -/---

COLOR LEGEND

SEE FINISH SCHEDULE FOR FLOOR COVERING MATERIALS F1, F2, F3, ETC. ALONG WITH REQUIRED FIELD AND ACCENT COLORS.

- FC (FIELD COLOR)
- AC-1 (ACCENT COLOR #1)
- AC-2 (ACCENT COLOR #2)
- AC-3 (ACCENT COLOR #3)
- AC-4 (ACCENT COLOR #4)
- AC-5 (ACCENT COLOR #5)
- AC-6 (ACCENT COLOR #6)
- AC-7 (ACCENT COLOR #7)

GENERAL NOTES

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

VIEW & PRINT THIS SHEET IN COLOR FOR CLARITY

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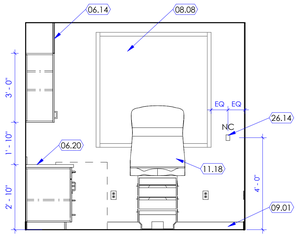
Floor Pattern Plan Level 1

A117

2/4/2020 9:01:42 PM



1 Typ Exam/Home Training Room - East
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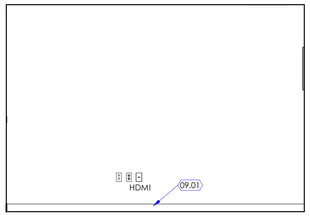

2 Typ Exam/Home Training Room - South
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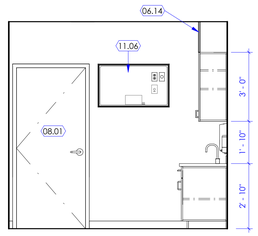

3 Typ Exam/Home Training Room - West
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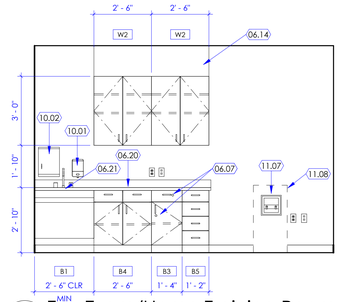

4 Typ Exam/Home Training Room - North
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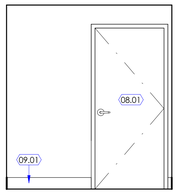
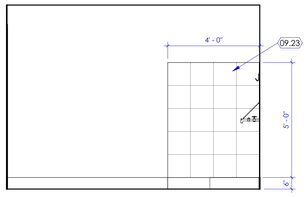


5 A139 Housekeeping - East
SCALE: 3/8" = 1'-0"



6 A139 Housekeeping - South
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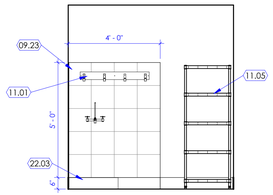

7 A139 Housekeeping - West
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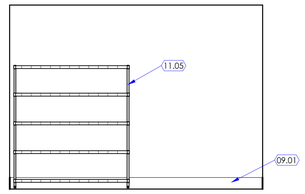
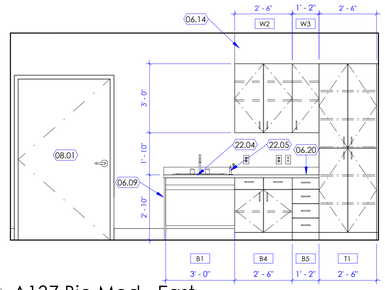


8 A139 Housekeeping - North
SCALE: 3/8" = 1'-0"



9 A137 Bio Med - East
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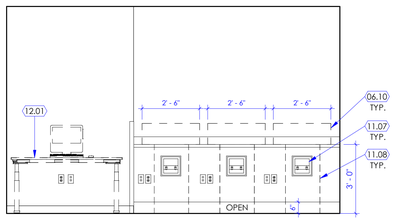
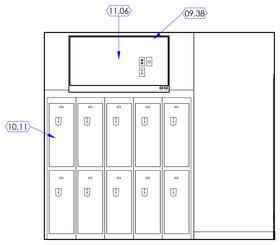
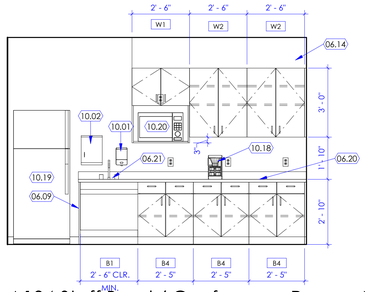


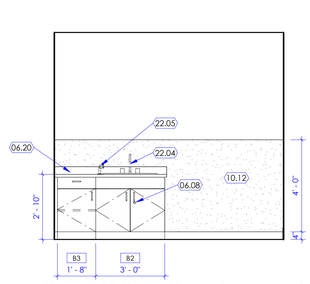
10 A137 Bio Med - West
SCALE: 3/8" = 1'-0"



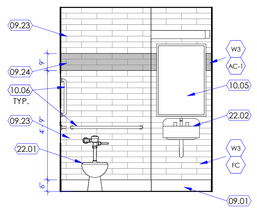
11 A134 Staff Break/ Conference Room - South
SCALE: 3/8" = 1'-0"



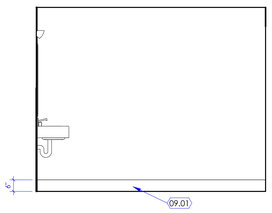
12 A134 Staff Break/ Conference Room - North
SCALE: 3/8" = 1'-0"



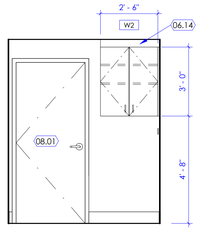
13 A128 Soiled Workroom - South
SCALE: 3/8" = 1'-0"



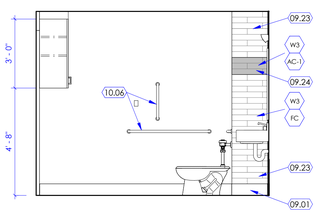
14 A127 Staff Toilet - East
SCALE: 3/8" = 1'-0"



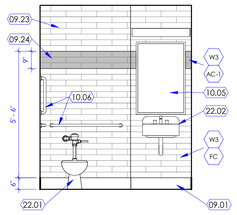
15 A127 Staff Toilet - South
SCALE: 3/8" = 1'-0"



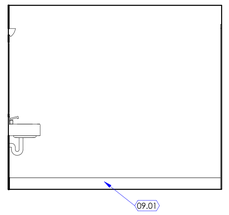
16 A127 Staff Toilet - West
SCALE: 3/8" = 1'-0"



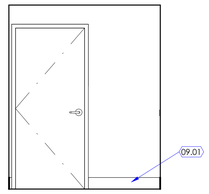
17 A127 Staff Toilet - North
SCALE: 3/8" = 1'-0"



18 A123 Patient Toilet - East
SCALE: 3/8" = 1'-0"



19 A123 Patient Toilet - South
SCALE: 3/8" = 1'-0"



20 A123 Patient Toilet - West
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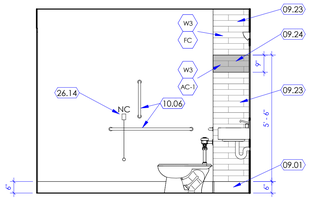
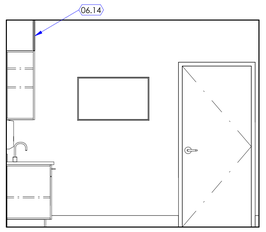
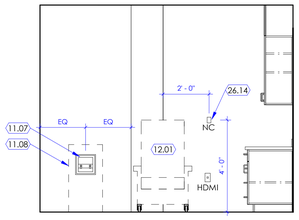


21 A123 Patient Toilet - North
SCALE: 3/8" = 1'-0"



22 A141 Future Exam - East
SCALE: 3/8" = 1'-0"



23 A141 Future Exam - West
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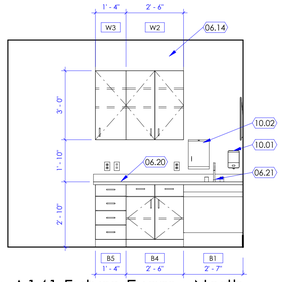

24 A141 Future Exam - North
SCALE: 3/8" = 1'-0"

KEYED NOTES

06.07 CABINETS TO BE LOCKABLE.
06.08 ALL SINK CABINETS TO BE LOCKABLE, TYPICAL.
06.09 PROVIDE P-LAM FINISHED PANEL AT SIDE OF CABINET.
06.10 30" WIDE P-LAM LIFT UP ACCESS PANEL WITH STAINLESS STEEL CONTINUOUS CONCEALED PIANO HINGE AND MOUNTING BRACKET. CENTER ACCESS PANEL ON WALL BOX BELOW.
06.14 P-LAM CLOSER PANEL TO CEILING ABOVE. SEE DETAIL 2/A505B
06.20 SOLID SURFACE COUNTER WITH FULL BULLNOSE EDGE AND INTEGRAL BACKSPLASH. SEE DETAIL 5/A505B AND 8/A505B. 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.
08.01 NEW DOOR. SEE DOOR SCHEDULE.
08.08 EXISTING EXTERIOR WINDOWS TO REMAIN. PROTECT DURING CONSTRUCTION.
09.01 WALL BASE. SEE FINISH SCHEDULE.
09.23 WALL FIELD TILE. SEE FINISH SCHEDULE
09.24 WALL ACCENT TILE. SEE FINISH SCHEDULE
09.38 GYPSUM BOARD SOFFIT. SEE DETAIL 9/A503A.
10.01 SOAP DISPENSER, OFCI. SEE SHEET G004 FOR MOUNTING HEIGHT.
10.02 PAPER TOWEL DISPENSER, OFCI. SEE SHEET G003 FOR MOUNTING HEIGHT.
10.05 MIRROR, 24 INCHES WIDE X 36" HIGH. SEE SPECIFICATIONS. MOUNT MIRROR SUCH THAT THE REFLECTIVE SURFACE OF MIRROR IS NO MORE THAN 40 INCHES AFF. SEE SHEET G003 FOR MOUNTING HEIGHT.
10.06 GRAB BARS. SEE SPECIFICATIONS. PROVIDE TYPE 1' METAL STUD BACKING PER DETAIL 5/A502A. SEE SHEET G003 FOR MOUNTING HEIGHTS.
10.11 METAL LOCKERS, 15" W X 18" D X 2 TIER. TOTAL 10 LOCKERS. SEE SPECIFICATIONS, SEE DETAIL 6/A506A FOR LOCKER BASE DETAIL.
10.12 WALL PROTECTION WAINSCOT, 0.04 INCH THICK. SEE FINISH SCHEDULE. ALIGN TOP OF WAINSCOT WITH TOP OF CORNER GUARD WHERE OCCURS. SEE DETAIL 4/A602A.
10.18 COFFEE POT, OFCI. SEE ELECTRICAL DRAWINGS.
10.19 REFRIGERATOR, OFCI. SEE ELECTRICAL DRAWINGS.
10.20 MICROWAVE, OFCI. SEE ELECTRICAL DRAWINGS. FOR MICROWAVE IN WALL CABINET PROVIDE OUTLET IN THE CABINET ABOVE WITH A GROMMET OPENING AT THE BASE OF THIS CABINET.
11.01 MOP RACK. SEE SPECIFICATIONS.
11.05 METAL SHELVING, OFOI.
11.06 WALL MOUNTED MONITOR OFCI. SEE ELECTRICAL DRAWINGS. PROVIDE 3'-0" W X 2'-0" H X 18 GA SHEET METAL BACKING.
11.07 DIALYSIS HOSE AND SUPPLY BOX. SEE PLUMBING DRAWINGS. VERIFY LOCATION AND HEIGHT WITH OWNER BEFORE INSTALLATION.
11.08 TABLO HEMODIALYSIS SYSTEM. PROVIDED AND INSTALLED BY OWNERS VENDOR.
11.18 EXAM TABLE, OFOI. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
12.01 FURNITURE. TO BE PROVIDED AND INSTALLED BY OWNERS VENDOR (MIDWEST COMMERCIAL INTERIORS - MWCI)
22.01 FLOOR MOUNTED WATER CLOSET. SEE PLUMBING DRAWINGS.
22.02 WALL MOUNTED HAND WASH SINK. SEE PLUMBING DRAWINGS.
22.03 MOP SINK. SEE PLUMBING DRAWINGS.
22.04 COUNTER MOUNTED STAINLESS STEEL DEEP SINK. SEE PLUMBING DRAWINGS.
22.05 COUNTER MOUNTED EYE WASH. SEE PLUMBING DRAWINGS.
26.14 NURSE CALL WITH PILLOW SPEAKER. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

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B. SEE SHEET A505A FOR CABINET LEGEND.
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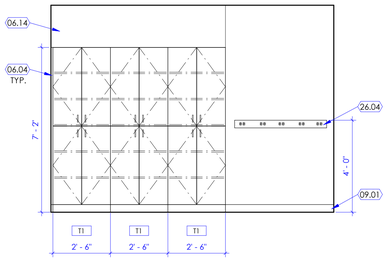
Construction Documents Feb 4, 2020

Interior Elevations

A251

2/4/2020 9:01:57 PM



1 A124 Med Room - North
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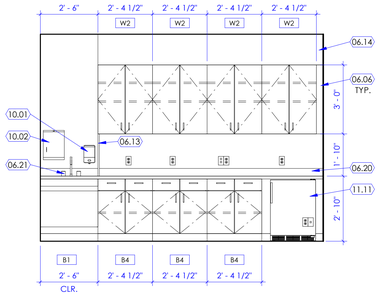
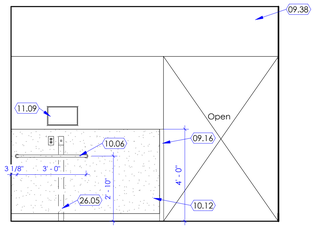
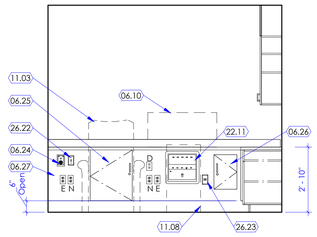


2 A124 Med Room - South
SCALE: 3/8" = 1'-0"



3 A142 Floor Scale Alcove - West
SCALE: 3/8" = 1'-0"



4 A129 Private/ Isolation - South
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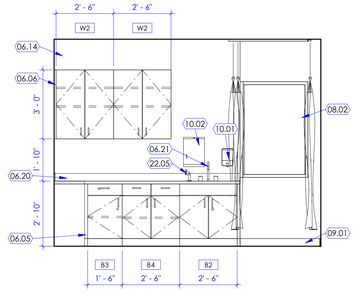

5 A129 Private/ Isolation - West
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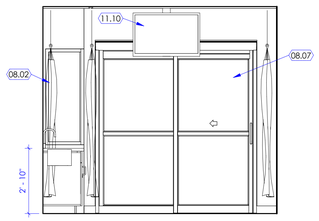

6 A129 Private/ Isolation - North
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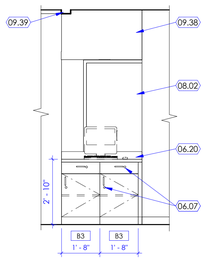
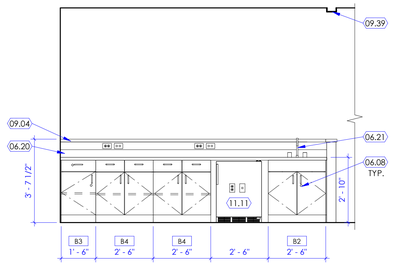


7 A116 Lab Alcove - East
SCALE: 3/8" = 1'-0"



8 A116 Lab Alcove - West
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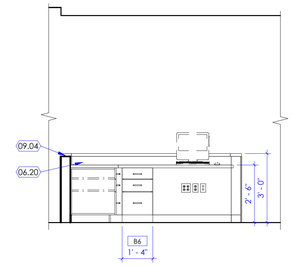
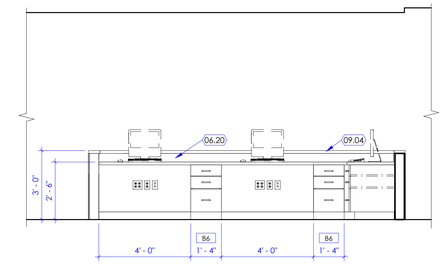


9 A115 Nurse Station - East
SCALE: 3/8" = 1'-0"



10 A109 Nurse Station - South
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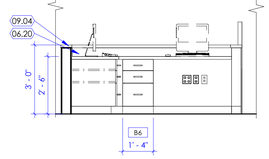
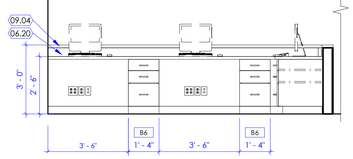
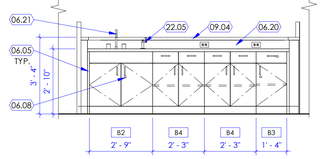


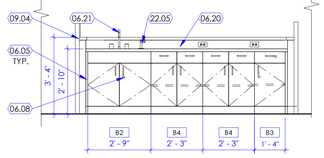
11 A109 Nurse Station - West
SCALE: 3/8" = 1'-0"



12 A115 Nurse Station - North
SCALE: 3/8" = 1'-0"



13 A143 Corridor - South
SCALE: 3/8" = 1'-0"



14 A143 Corridor - North
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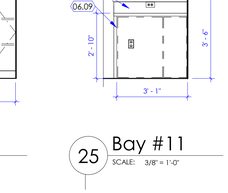
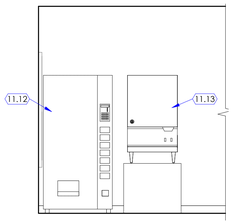
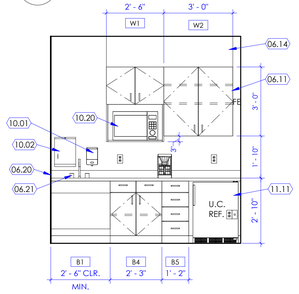


15 A142 Hand Wash Sink - North
SCALE: 3/8" = 1'-0"



16 A105 Nourishment - North
SCALE: 3/8" = 1'-0"



17 A105 Nourishment - South
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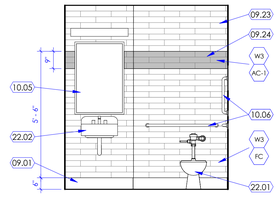
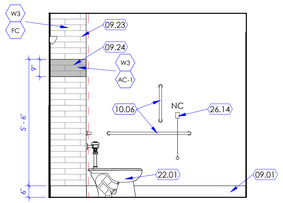


18 A102 Public Toilet - East
SCALE: 3/8" = 1'-0"



19 A102 Public Toilet - South
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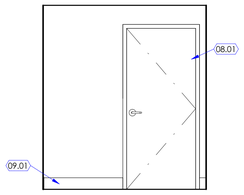

20 A102 Public Toilet - West
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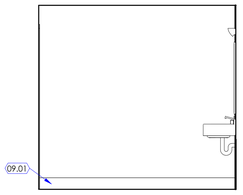
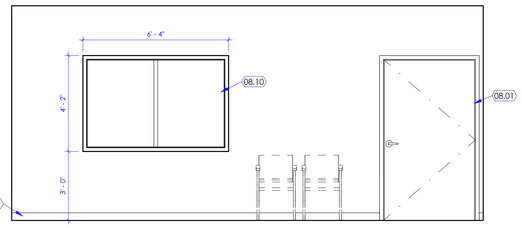
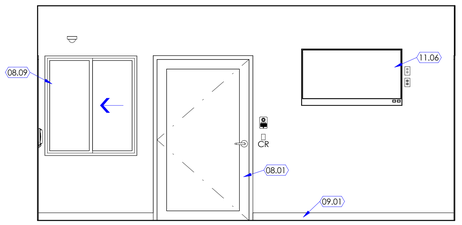


21 A102 Public Toilet - North
SCALE: 3/8" = 1'-0"



22 A101 Waiting - North
SCALE: 3/8" = 1'-0"



23 A101 Waiting - South
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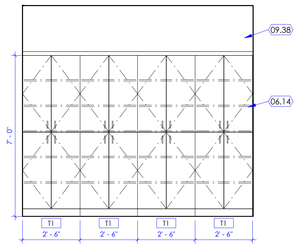
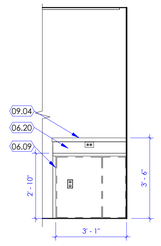
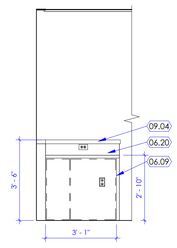


24 A145 Corridor - North
SCALE: 3/8" = 1'-0"



25 Bay #11
SCALE: 3/8" = 1'-0"



26 Bay #12
SCALE: 3/8" = 1'-0"

KEYED NOTES

06.04 PLASTIC LAMINATE TALL CABINET FILLER PANEL AS REQUIRED. FILLER PANEL TO MATCH PROFILE AND FINISH OF ADJACENT CABINETS.

06.05 PLASTIC LAMINATE BASE CABINET FILLER PANEL AS REQUIRED. FILLER PANEL TO MATCH PROFILE AND FINISH OF ADJACENT CABINETS.

06.06 PLASTIC LAMINATE WALL CABINET FILLER PANEL AS REQUIRED. FILLER PANEL TO MATCH PROFILE AND FINISH OF ADJACENT CABINETS.

06.07 CABINETS TO BE LOCKABLE.

06.08 ALL SINK CABINETS TO BE LOCKABLE. TYPICAL.

06.09 PROVIDE P-LAM FINISHED PANEL AT SIDE OF CABINET.

06.10 30" WIDE P-LAM LIFT UP ACCESS PANEL WITH STAINLESS STEEL CONTINUOUS CONCEALED PIANO HINGE AND MOUNTING BRACKET. CENTER ACCESS PANEL ON WALL BOX BELOW.

06.11 P-LAM END PANEL.

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

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

06.20 SOLID SURFACE COUNTER WITH FULL BULLNOSE EDGE AND INTEGRAL BACKSPLASH. SEE DETAIL 5/A505B AND 8/A505B. 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 TALL CABINET. SEE CASEWORK LEGEND.

06.25 P-LAM LOCKABLE ACCESS PANEL WITH STAINLESS STEEL CONTINUOUS CONCEALED PIANO HINGE AND MOUNTING BRACKET.

06.26 P-LAM LOCKABLE STORAGE CABINET WITH DOOR TO STORE PATIENT BELONGINGS. SEE DETAILS ON SHEET A505C.

06.27 BUILT IN CASEWORK FOR CHASE WALL WITH PLASTIC LAMINATE FASCIA PANEL AND MELAMINE BACK. USE MARINE GRADE PLYWOOD THROUGHOUT. SEE DETAILS ON SHEET A505C.

08.01 NEW DOOR. SEE DOOR SCHEDULE.

08.02 CORNER ALUMINUM WINDOW. BASIS OF DESIGN KAWNEER VG TRIFAB 451. SEE WINDOW SCHEDULE. GLAZING TO BE 1/4" THICK. CLEAR, TEMPERED.

08.07 OVERHEAD CONCEALED FULL BREAKOUT TRACKLESS UL 1784 SMOKE RATED NARROW STILE SINGLE SLIDE ALUMINUM AND GLASS DOOR. BASIS OF DESIGN: ASSA ABLOY VERSAMAX ICU DOOR SYSTEM. GLAZING TO BE 1/4" CLEAR TEMPERED. SEE DETAIL 8/A601A & 10/A601A.

08.09 ALUMINUM AND GLASS MANUAL SLIDING WINDOW. BASIS OF DESIGN C. R. LAURENCE DW 4200 A TWO PANEL MANUAL DELUXE LOCKABLE SLIDING WINDOW. FINISH: SATIN ANODIZED, SEE SHEET A601A.

08.10 INTERIOR WINDOW , SEE SCHEDULE. HM WINDOW FRAME AND GLAZING TO BE 1-HR FIRE RATED.

09.01 WALL BASE. SEE FINISH SCHEDULE.

09.04 PARTIAL HEIGHT WALL WITH SOLID SURFACE CAP. SEE WALL TYPE 'P' ON SHEET A501.

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

09.23 WALL FIELD TILE. SEE FINISH SCHEDULE

09.24 WALL ACCENT TILE. SEE FINISH SCHEDULE

09.38 GYPSUM BOARD SOFFIT. SEE DETAIL 9/A503A.

09.39 GYPSUM BOARD HEADER. SEE DETAIL 6/A503A.

10.01 SOAP DISPENSER. OFCI. SEE SHEET G004 FOR MOUNTING HEIGHT.

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

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

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

10.12 WALL PROTECTION WAINSCOT, 0.06 INCH THICK. SEE FINISH SCHEDULE. ALIGN TOP OF WAINSCOT WITH TOP OF CORNER GUARD WHERE OCCURS. SEE DETAIL 4/A602A.

10.20 MICROWAVE. OFCI. SEE ELECTRICAL DRAWINGS. FOR MICROWAVE IN WALL CABINET PROVIDE OUTLET IN THE CABINET ABOVE WITH A GROMMET OPENING AT THE BASE OF THIS CABINET.

11.03 PATIENT CHAIR/ RECLINER. OFOI.

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

11.08 TABLO HEMODIALYSIS SYSTEM. PROVIDED AND INSTALLED BY OWNERS VENDOR.

11.09 WALL MOUNTED READOUT PANEL FOR SCALE. O.F.C.I. SEE ELECTRICAL DRAWINGS FOR POWER AND DATA. INSTALL PER MANUFACTURES RECOMMENDATION. CONTACT OWNER FOR MORE INFORMATION.

11.10 CEILING MOUNTED TV. OFCI. PROVIDE 3" STAINLESS STEEL GROMMET AT OPENING IN CEILING TILE AT ALL CEILING MOUNTED TV LOCATIONS, TYPICAL.

11.11 UNDERCOUNTER REFRIGERATOR. OFOI. SEE ELECTRICAL DRAWINGS FOR POWER AND DATA.

11.12 VENDING MACHINE, OFOI. SEE ELECTRICAL DRAWINGS

11.13 ICE AND WATER DISPENSER ON STAND, OFCI. SEE PLUMBING DRAWINGS.

12.02 PRIVACY CURTAIN AND TRACK. SEE FINISH SCHEDULE AND PROJECT MANUAL . SEE DETAIL 13/A503A

22.01 FLOOR MOUNTED WATER CLOSET. SEE PLUMBING DRAWINGS.

22.02 WALL MOUNTED HAND WASH SINK. SEE PLUMBING DRAWINGS.

22.05 COUNTER MOUNTED EYE WASH. SEE PLUMBING DRAWINGS.

22.11 DIALYSIS HOSE AND SUPPLY BOX. SEE PLUMBING DRAWINGS. VERIFY LOCATION AND HEIGHT WITH OWNER BEFORE INSTALLATION.

26.04 WALL MOUNTED PLUG STRIP. SEE ELECTRICAL DRAWINGS.

26.05 IN WALL CONDUIT FOR LOAD CELL CABLE. SEE MANUFACTURER AND ELECTRICAL DRAWINGS.

26.14 NURSE CALL WITH PILLOW SPEAKER. SEE ELECTRICAL DRAWINGS.

26.22 LIGHT SWITCH. SEE ELECTRICAL DRAWINGS.

26.23 DEDICATED OUTLET FOR DIALYSIS MACHINE. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

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

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LICENSED ARCHITECT

Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Interior Elevations

A252

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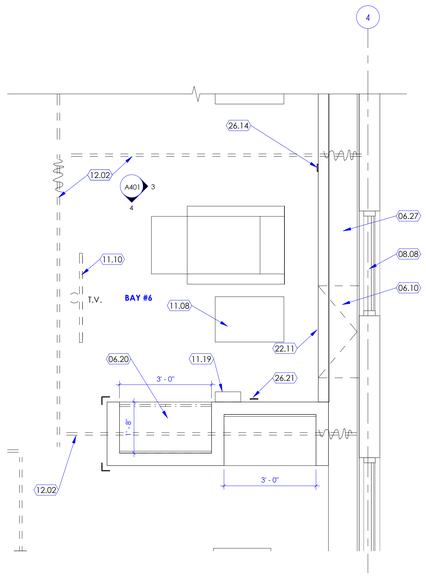
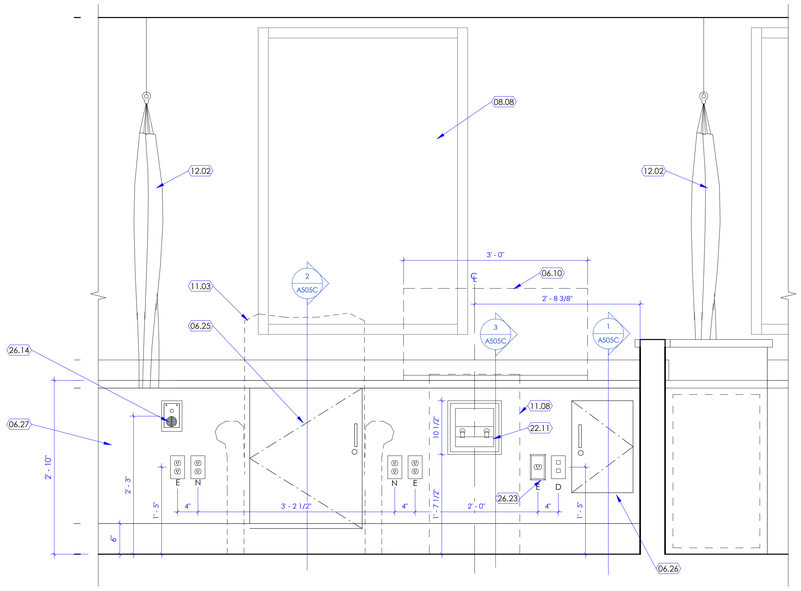
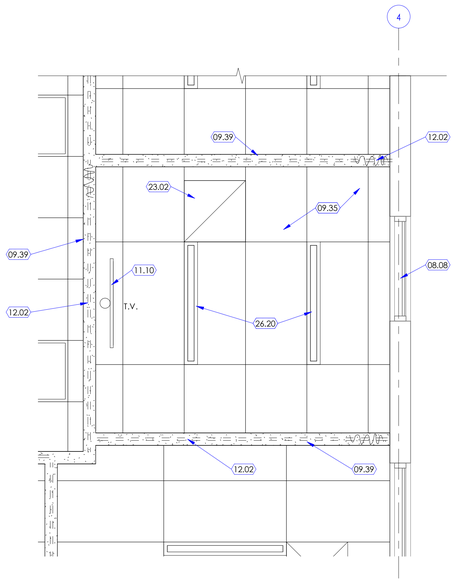


1 Enlarged Dialysis Bay Plan - Typical
SCALE: 1/2" = 1'-0"

NORTH

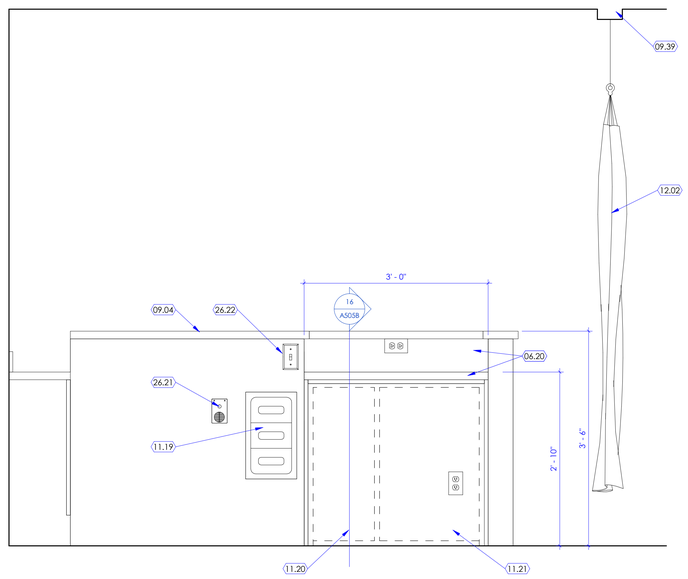


3 Enlarged Dialysis Bay Elevation- Typical
SCALE: 1" = 1'-0"



2 Enlarged Dialysis Bay Reflected Ceiling Plan - Typical
SCALE: 1/2" = 1'-0"

NORTH



4 Enlarged Dialysis Bay Elevation- Typical
SCALE: 1" = 1'-0"

KEYED NOTES

06.10	30" WIDE P-LAM LIFT UP ACCESS PANEL WITH STAINLESS STEEL CONTINUOUS CONCEALED PIANO HINGE AND MOUNTING BRACKET. CENTER ACCESS PANEL ON WALL BOX BELOW.
06.20	SOLID SURFACE COUNTER WITH FULL BULLNOSE EDGE AND INTEGRAL BACKSPLASH. SEE DETAIL 5/A505B AND 8/A505B. PROVIDE INTEGRAL SIDE SPLASH WHERE COUNTER ABUTS PERPENDICULAR WALL/CABINET.
06.25	P-LAM LOCKABLE ACCESS PANEL WITH STAINLESS STEEL CONTINUOUS CONCEALED PIANO HINGE AND MOUNTING BRACKET.
06.26	P-LAM LOCKABLE STORAGE CABINET WITH DOOR TO STORE PATIENT BELONGINGS. SEE DETAILS ON SHEET A505C.
06.27	BUILT IN CASEWORK FOR CHASE WALL WITH PLASTIC LAMINATE FASCIA PANEL AND MELAMINE BACK. USE MARINE GRADE PLYWOOD THROUGHOUT. SEE DETAILS ON SHEET A505C.
08.08	EXISTING EXTERIOR WINDOWS TO REMAIN. PROTECT DURING CONSTRUCTION.
09.04	PARTIAL HEIGHT WALL WITH SOLID SURFACE CAP. SEE WALL TYPE 'P' ON SHEET A501.
09.35	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. TYPICAL THROUGHOUT THE ENTIRE CLINIC/PROJECT.
09.39	GYPSUM BOARD HEADER. SEE DETAIL 6/A503A.
11.03	PATIENT CHAIR/ RECLINER. OFOI.
11.08	TABLO HEMODIALYSIS SYSTEM. PROVIDED AND INSTALLED BY OWNERS VENDOR.
11.10	CEILING MOUNTED TV. OFCI. PROVIDE 3" STAINLESS STEEL GROMMET AT OPENING IN CEILING TILE AT ALL CEILING MOUNTED TV LOCATIONS, TYPICAL.
11.19	GLOVE DISPENSER O.F.C.I.
11.20	SHARP DISPOSAL. O.F.C.I.
11.21	OXYGEN CONCENTRATOR. O.F.C.I.
12.02	PRIVACY CURTAIN AND TRACK. SEE FINISH SCHEDULE AND PROJECT MANUAL . SEE DETAIL 13/A503A
22.11	DIALYSIS HOSE AND SUPPLY BOX. SEE PLUMBING DRAWINGS. VERIFY LOCATION AND HEIGHT WITH OWNER BEFORE INSTALLATION.
23.02	CEILING DIFFUSER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
26.14	NURSE CALL WITH PILLOW SPEAKER. SEE ELECTRICAL DRAWINGS.
26.20	CEILING LIGHTS. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
26.21	EMERGENCY STAFF ASSIST. SEE ELECTRICAL DRAWINGS.
26.22	LIGHT SWITCH. SEE ELECTRICAL DRAWINGS.
26.23	DEDICATED OUTLET FOR DIALYSIS MACHINE. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

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

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NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Enlarged Dialysis Room

A401

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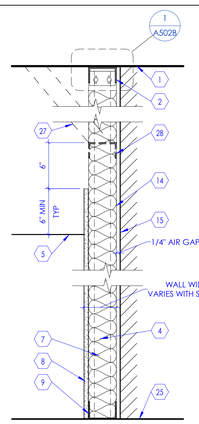
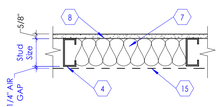


SECTION VIEW

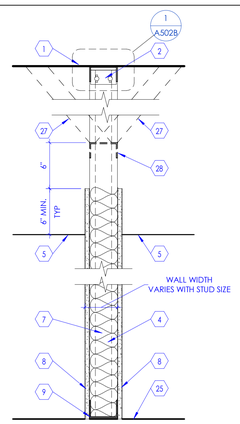


PLAN VIEW

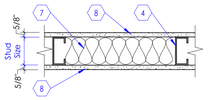
WALL TYPE	STUD SIZE	WALL WIDTH
A1	1 1/2"	2 1/8"
A2	2 1/2"	3 1/8"
A3	3 5/8"	4 1/4"
A6	6"	6 5/8"

Type - A

Metal Stud
Furring Wall



SECTION VIEW

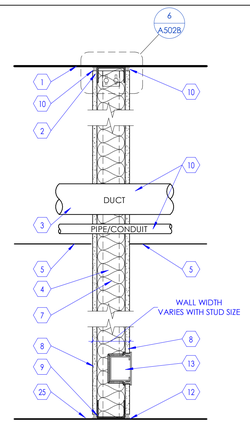


PLAN VIEW

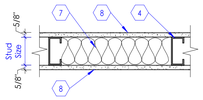
WALL TYPE	STUD SIZE	WALL WIDTH
B2	2 1/2"	3 3/4"
B3	3 5/8"	4 7/8"
B6	6"	7 1/4"

Type - B

Typical Metal
Stud Wall



SECTION VIEW



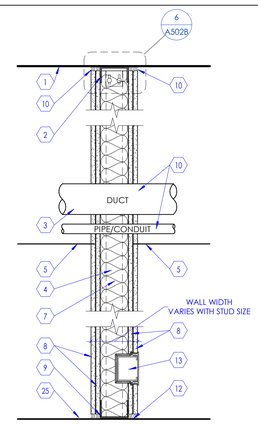
PLAN VIEW

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

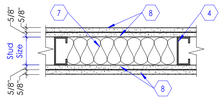
Type - C

1 Hour Fire Rated

UL DESIGN #: U465



SECTION VIEW



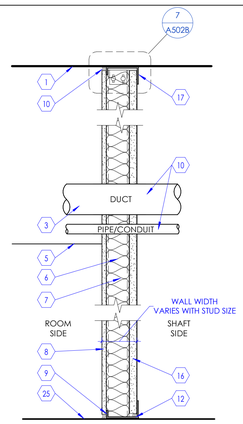
PLAN VIEW

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

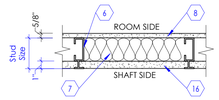
Type - D

2 Hour Fire Rated

UL DESIGN #: U411



SECTION VIEW



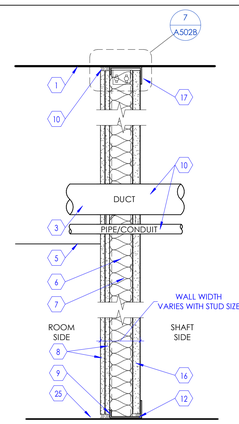
PLAN VIEW

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

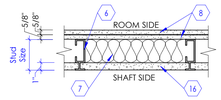
Type - E

1 Hour Fire Rated
Shaft Wall

UL DESIGN #: U415 SYS. A



SECTION VIEW



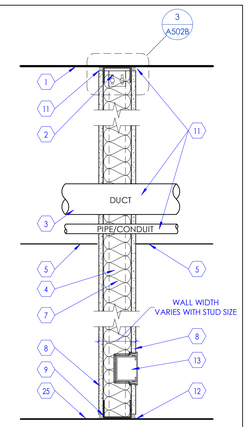
PLAN VIEW

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

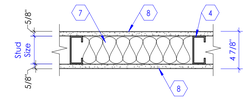
Type - F

2 Hour Fire Rated
Shaft Wall

UL DESIGN #: U415 SYS. A



SECTION VIEW

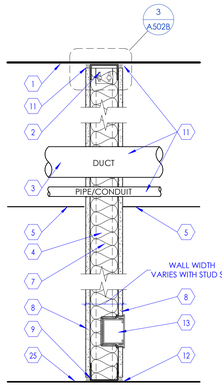


PLAN VIEW

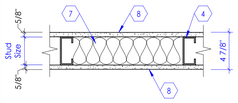
WALL TYPE	STUD SIZE	WALL WIDTH
G2	2 1/2"	3 3/4"
G3	3 5/8"	4 7/8"
G4	4"	5 1/4"
G6	6"	7 1/4"

Type - G

Smoke Partition



SECTION VIEW



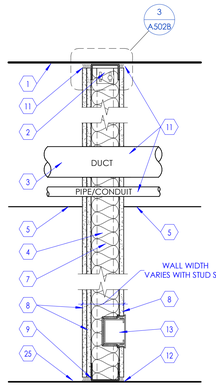
PLAN VIEW

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

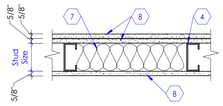
Type - H

Sound Barrier 40 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



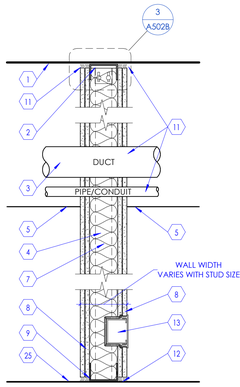
PLAN VIEW

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

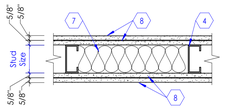
Type - J

Sound Barrier 45 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



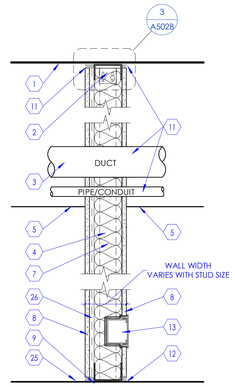
PLAN VIEW

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

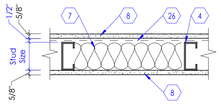
Type - K

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



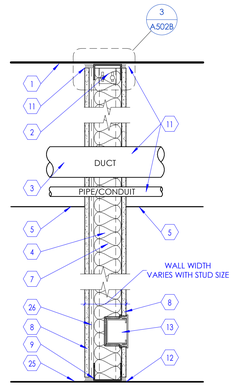
PLAN VIEW

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

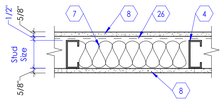
Type - L

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



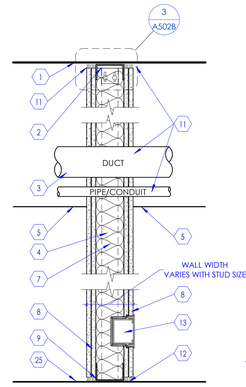
PLAN VIEW

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

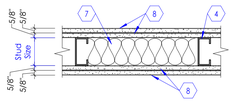
Type - M

1 Hour Fire Rated
Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



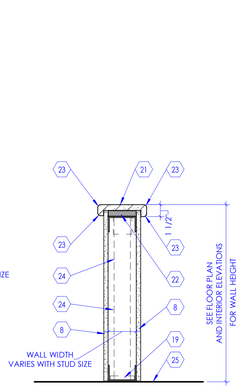
PLAN VIEW

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

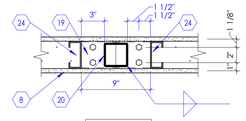
Type - N

2 Hour Fire Rated
Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



PLAN VIEW

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

Type - P

Partial Height Wall

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

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

KEYED NOTE

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Wall Types

A501A

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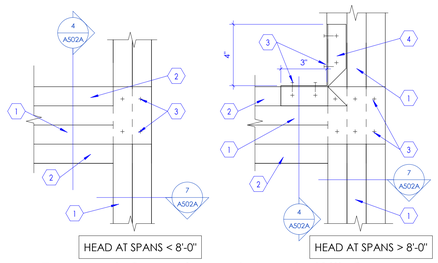
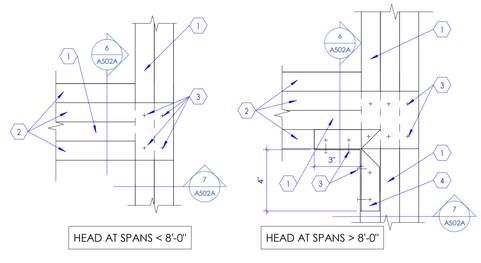


KEYED NOTES

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

1 Framed Opening at Jamb/Sill Corner

SCALE: 3" = 1'-0"

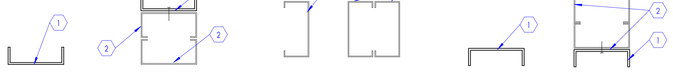


KEYED NOTES

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

2 Framed Opening at Jamb/Head Corner

SCALE: 3" = 1'-0"

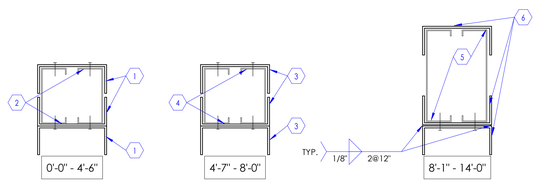


KEYED NOTES

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

3 Typical Duct Opening

SCALE: 3" = 1'-0"



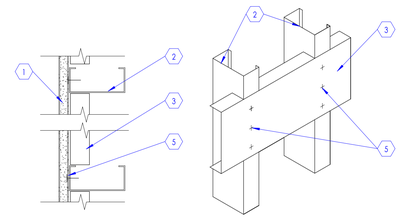
KEYED NOTES

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

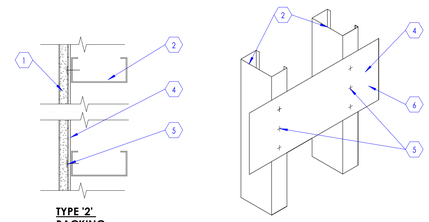
NOTE: ALL FASTENERS TO BE #12 SMS @ 2'-0" O.C. TYP., U.N.O.

4 Typical Window Opening Framing at Sill

SCALE: 3" = 1'-0"



TYPE '1' BACKING



TYPE '2' BACKING

KEYED NOTES

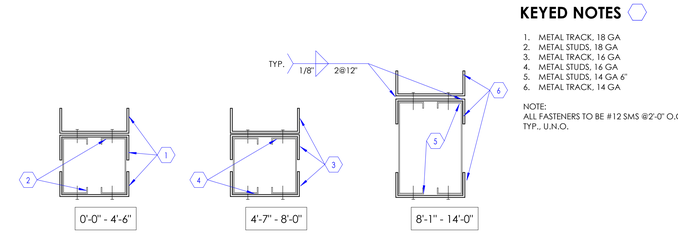
1. GYPSUM BOARD 5/8", TYPE 'X'.
2. EXISTING OR NEW 3 5/8" OR 6" METAL STUDS AT 16" O.C.
3. METAL STUD BLOCKING 6" X 16" GA. EXTEND BLOCKING TO NEXT STUD BEYOND EQUIPMENT -TYPICAL BOTH SIDES.
4. SHEET METAL BACKING 6" X 16" GA. EXTEND BLOCKING TO NEXT STUD BEYOND EQUIPMENT - TYPICAL BOTH SIDES.
5. SHEET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

GENERAL NOTES

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

5 Backing Plate Schedule

SCALE: 3" = 1'-0"



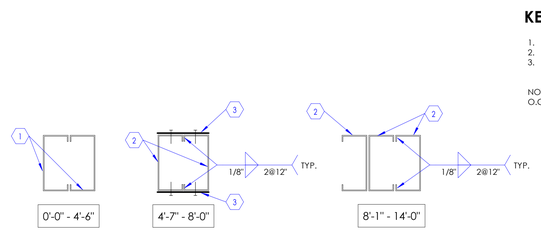
KEYED NOTES

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

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

6 Typical Door and Window Opening Framing at Header

SCALE: 3" = 1'-0"



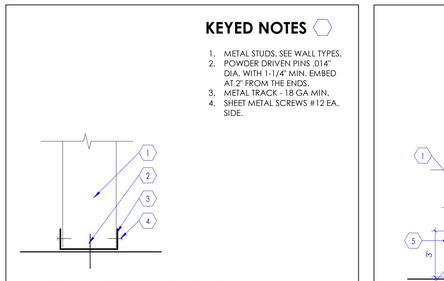
KEYED NOTES

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

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

7 Typical Door and Window Opening Framing at Jamb

SCALE: 3" = 1'-0"

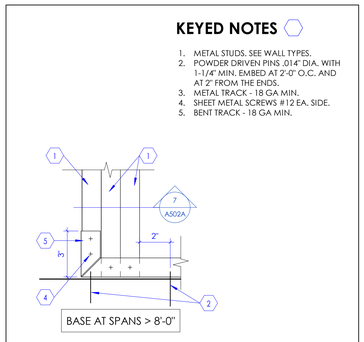


KEYED NOTES

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

8 Base Track Detail

SCALE: 3" = 1'-0"

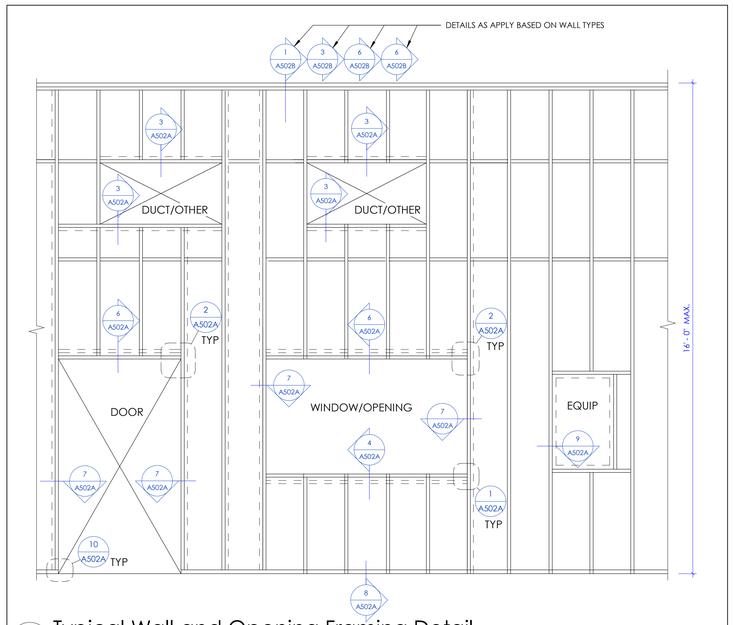


KEYED NOTES

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

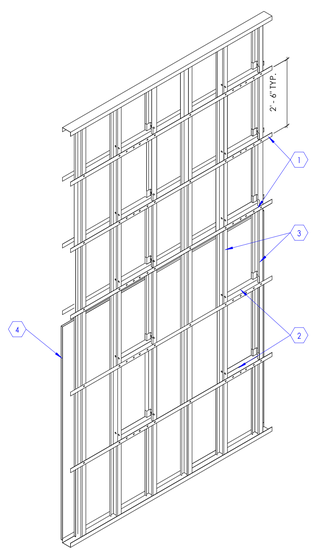
10 Framed Opening at Jamb

SCALE: 3" = 1'-0"



11 Typical Wall and Opening Framing Detail

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



KEYED NOTES

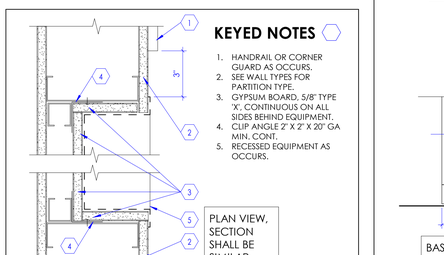
1. SHEET METAL STRAP. SEE BRACING SCHEDULE BELOW AND DETAIL
2. METAL STUD BLOCKING. SEE BRACING SCHEDULE BELOW AND DETAIL
3. METAL STUDS. 20 GA MIN. SEE WALL TYPES FOR PARTITION TYPE.
4. 5/8", TYPE 'X' GYP. BD. TYP., U.N.O. SEE WALL TYPES FOR PARTITION TYPE.

BRACING SCHEDULE

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

12 Typical Bracing at One Sided Partition

SCALE: 3" = 1'-0"



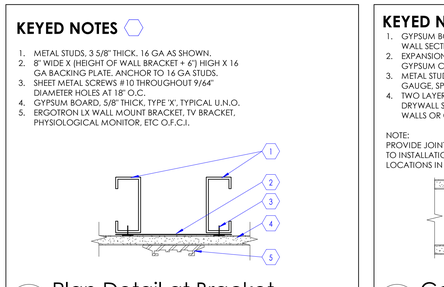
KEYED NOTES

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

PLAN VIEW, SECTION SHALL BE SIMILAR

9 Detail at Recessed Equip.

SCALE: 3" = 1'-0"

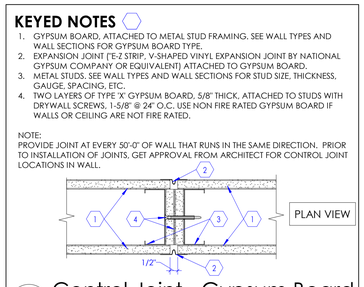


KEYED NOTES

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

13 Plan Detail at Bracket

SCALE: 3" = 1'-0"



KEYED NOTES

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

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

14 Control Joint - Gypsum Board

SCALE: 3" = 1'-0"

NJRA ARCHITECTS
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5272 S. College Drive, Suite104
Murray, Utah 84123
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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Wall Details

A502A

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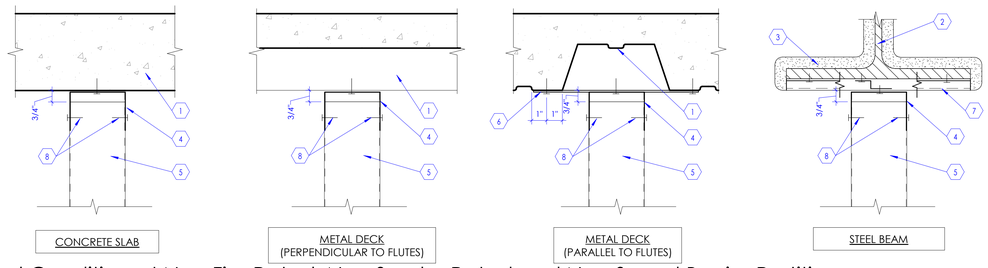


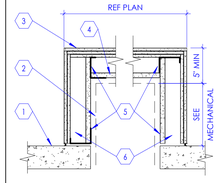
CONCRETE SLAB | METAL DECK (PERPENDICULAR TO FLUTES) | METAL DECK (PARALLEL TO FLUTES) | STEEL BEAM

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

SCALE: 3" = 1'-0"

KEYED NOTES

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



AT TOP OF SHAFT

2 2-HR Enclosure at Top of Shaft

SCALE: 1" = 1'-0"

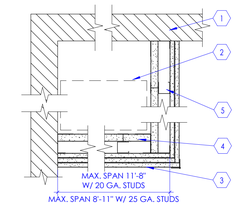
KEYED NOTES

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

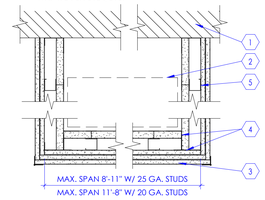
RATING INFORMATION:
FIRE RATING - 2 HOUR TEST:
U.L. Design No. 411
PEI AER-09038
WHI-495-PSH 0154/0167

KEYED NOTES

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



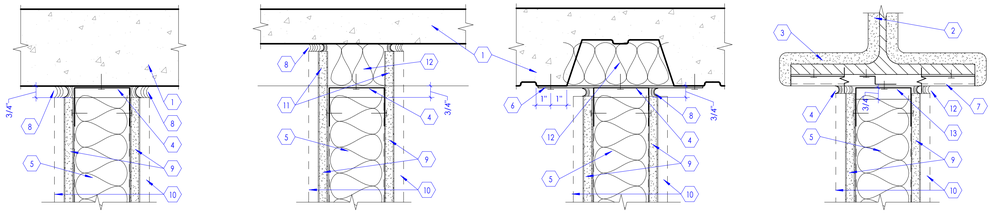
RATING INFORMATION:
HORIZONTAL FIRE
RATING - 2 HOUR TEST:
WHI-495 PSH 0154/0167



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

5 2-HR Horizontal Assembly

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



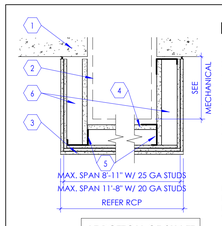
DESIGN BASIS: UL-HW-D-0044 CONCRETE SLAB | **DESIGN BASIS: UL-HW-D-0043** METAL DECK (PERPENDICULAR TO FLUTES) | **DESIGN BASIS: UL-HW-D-0264** METAL DECK (PARALLEL TO FLUTES) | **DESIGN BASIS: UL-HW-D-0252** STEEL BEAM

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 / A5028**
5. METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
6. STRAPS, 2" x 18" GA AT 16" O.C.
7. Z-BARS, 20 GA TO ACCOMMODATE SFRM THICKNESS.
8. ACOUSTIC SEALANT, CONTINUOUS.
9. GYPSUM BOARD, 5/8" THICK. SEE WALL TYPES ON SHEET A501 FOR ADDITIONAL INFORMATION.
10. ADDITIONAL LAYER OF GYP. BD. WHERE OCCURS.
11. GYPSUM BOARD CUT TO FOLLOW PROFILE OF DECKING AT SMOKE PARTITION BOTH AT SOUND WALLS.
12. FILL FLUTE VOID WITH BATT INSULATION.



AT BOTTOM OF SHAFT

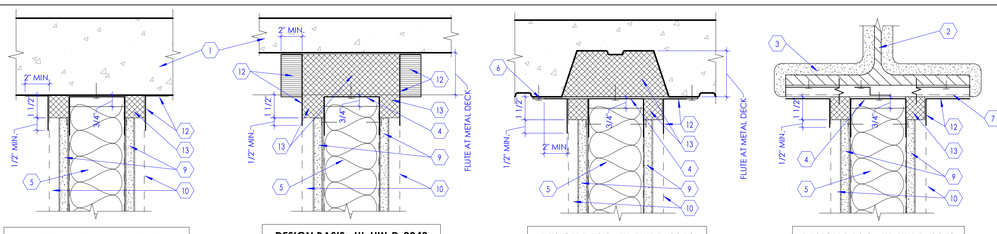
4 2-HR Enclosure at B.O. Shaft

SCALE: 1" = 1'-0"

KEYED NOTES

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

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



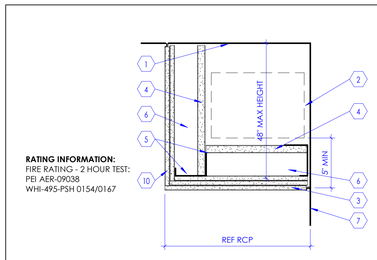
DESIGN BASIS: UL-HW-D-0044 CONCRETE SLAB | **DESIGN BASIS: UL-HW-D-0043** METAL DECK (PERPENDICULAR TO FLUTES) | **DESIGN BASIS: UL-HW-D-0264** METAL DECK (PARALLEL TO FLUTES) | **DESIGN BASIS: UL-HW-D-0252** STEEL BEAM

6 Head Condition at Fire Rated Partitions

SCALE: 3" = 1'-0"

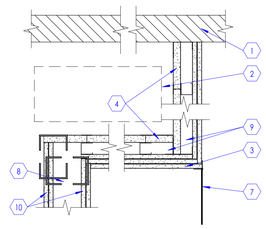
KEYED NOTES

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



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

AT DUCTWORK



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

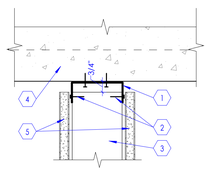
WITH OFFSET

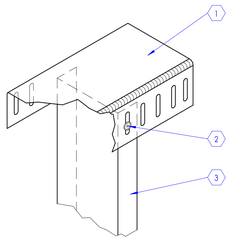
KEYED NOTES

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

8 2-HR Horizontal Enclosure

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





ISOMETRIC VIEW OF SLOTTED TOP TRACK

KEYED NOTES

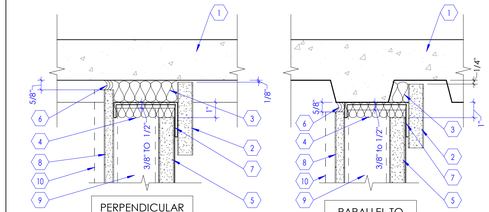
1. SLOTTED DEEP LEG DEFLECTION TRACK, 16GA CONTINUOUS. SECURE TO SUPERSTRUCTURE ABOVE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 3/4" OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
2. SLIP CONNECTION. SECURE VERTICAL STUDS TO SLOTTED TOP TRACK AT MID-HEIGHT OF VERTICAL SLOTS IN TRACK. COMPONENTS INTENDED TO SLIDE VERTICALLY AS SUPERSTRUCTURE DEFLECTS.
3. VERTICAL STUD. SEE INTERIOR WALL TYPES ON SHEET A501A.
4. FLOOR OR ROOF DECK AS OCCURS.
5. GYPSUM BOARD, 5/8" THICK, TYPE 'X'. TYPICAL. DO NOT SCREW GYPSUM WALLBOARD TO TOP TRACK OR SUPERSTRUCTURE. GWB SCREWS INTO THE STUDS MUST BE AT LEAST 1" BELOW THE BOTTOM OF THE TOP TRACK.

GENERAL NOTES

A. CONDITIONS INDICATED SHOW DESIGN INTENT, ESPECIALLY IN REGARD TO ACCOMMODATION OF STRUCTURAL DEFLECTION AND CONTINUITY OF INTEGRITY OF SOUND, SMOKE AND FIRE WALLS.
B. DESIGN INTENT DETAILS MAY NOT SHOW ALL CONDITIONS TO BE ENCOUNTERED ON A PROJECT.
C. RIGIDLY SECURE SLOTTED TOP TRACK TO BUILDING SUPERSTRUCTURE IN AN APPROVED MANNER. EMPLOY Z-BARS, COLD-ROLLED CHANNELS OR SIMILAR SPACER TO ACCOMMODATE THICKNESS OF SPRAY-APPLIED FIRE-RESISTIVE MATERIALS (SFRM).
D. SLOTTED TOP TRACK, INDICATED ON THESE DETAILS, IS THE BASIS FOR DESIGN AND REFERS TO DEEP-LEG TRACKS WITH VERTICALLY SLOTTED HOLES.
E. REFER TO PARTITION STANDARDS FOR SPECIFIC WALL TYPES.
F. AT FIRE -RATED WALLS REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING HEAD-OF-WALL CONDITIONS.
G. MAINTAIN ACOUSTIC RATING WHERE SOUND-CONTROL WALLS ARE INDICATED.
H. FIRESTOPPING AND ACOUSTICAL SEALANTS SHALL AUTOBOND. PROVIDE EXPOSED CLEAN SEALANT (TO CONCEAL FIRESTOPPING) AT FOOD SERVICE FACILITIES, KITCHEN, BIOLOGICAL CONTAINMENT AND CLEAN ROOM APPLICATIONS.
I. WHERE A WALL IS DESIGNATED AS BOTH A SOUND-CONTROL WALL AND A FIRE-RATED WALL, REFER TO FIRE-RATED HEAD-OF-WALL CONDITIONS.
J. WHERE A WALL IS DESIGNATED AS A SOUND-CONTROL WALL, FILL ALL VOIDS WITH SOUND ATTENUATION BATTS (SAB).
K. AT SMOKE PARTITIONS AND SOUND-CONTROL WALLS EXTEND GWB ON BOTH SIDES INTO THE FLUTES. CUT TO FOLLOW UNDULATING SURFACES OF THE SUPERSTRUCTURE INCLUDING, BUT NOT LIMITED TO, FLUTES IN METAL DECKING. PROVIDE A CONTINUOUS BEAD OF SEALANT (AS SPECIFIED) TO SUPERSTRUCTURE.

9 Slip Connection Detail

SCALE: 3" = 1'-0"



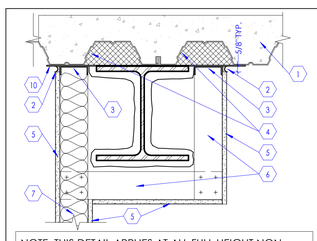
PERPENDICULAR TO DECK | PARALLEL TO DECK

7 Head Detail at Shaft Wall

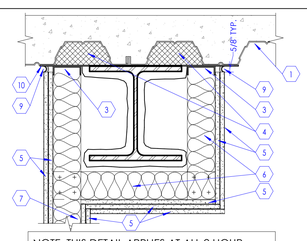
SCALE: 3" = 1'-0"

KEYED NOTES

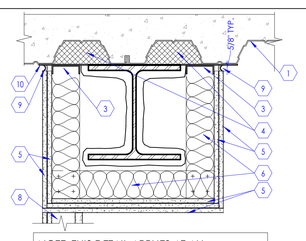
1. FLOOR OR ROOF DECK AS OCCURS.
2. GYPSUM BOARD1" SHAFT LINER PANEL 6" HIGH MIN. CUT TO FLUTED DECK CONTOUR.
3. MINERAL WOOL 3" 4 LB MIN. FRICTION FITTED BETWEEN J TRACK AND FLUTE.
4. MINERAL WOOL 1" 4 LB MIN. FRICTION FITTED INSIDE J TRACK CAVITY.
5. GYPSUM BOARD 1" SHAFT LINER PANEL STOP AT 1" BELOW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



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



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



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

KEYED NOTES

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

10 Alternate Framing Details at Rated Walls

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

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Wall Details

A502B

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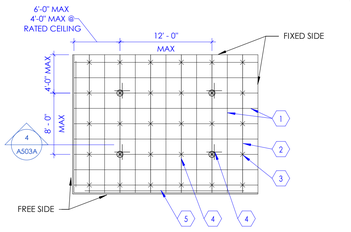


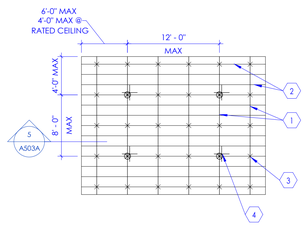
KEYED NOTES

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

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

1 Typical Acoustical Ceiling Suspension

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

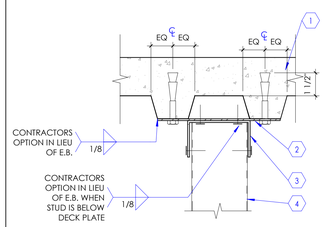


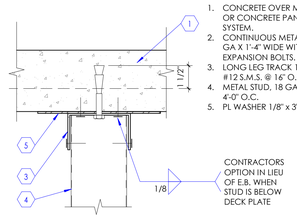
KEYED NOTES

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

2 Typical Gypsum Bd Ceiling Suspension

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



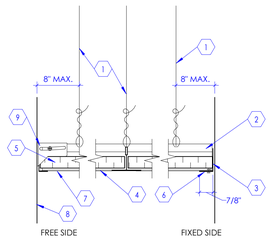


KEYED NOTES

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

3 Typical Suspended Stud Attachment To Concrete Deck

SCALE: 3" = 1'-0"



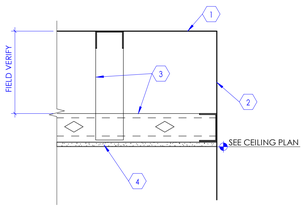
KEYED NOTES

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

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

4 Ceiling Grid Detail

SCALE: 3" = 1'-0"

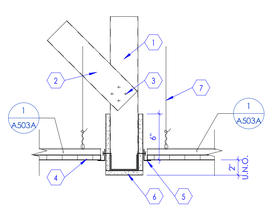


KEYED NOTES

1. LINE OF STRUCTURE ABOVE.
2. LINE OF WALL.
3. METAL STUD FRAMING (3-5/8" THICK, 18 GAUGE, METAL STUDS AT 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.

5 Ceiling Detail

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



KEYED NOTES

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

6 Gypsum Board Header

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

KEYED NOTES

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

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

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

7 Ceiling Detail

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

KEYED NOTES

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

8 Gypsum Board Ceiling Seismic Restraint Detail

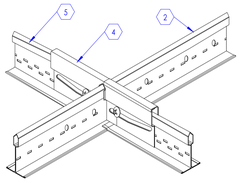
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

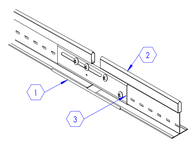
1. GYPSUM BOARD, 5/8" THICK (USE TYPE 'X' IF WALLS ARE FIRE RATED) ATTACHED TO METAL STUD FRAMING.
2. LINE OF WALL.
3. LINE OF CEILING AS OCCURS. SEE REFLECTED CEILING PLAN FOR CEILING TYPE.
4. METAL STUD FRAMING 3 5/8" THICK, 20 GAUGE STUDS, SUSPENDED FROM STRUCTURE ABOVE. STUDS SHALL BE AT 16" O.C.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

9 Gypsum Board Soffit

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



AT CROSS TEE



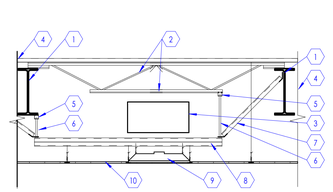
AT MAIN BEAM

KEYED NOTES

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

10 Seismic Separation Joint Clip Detail

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



KEYED NOTES

1. STEEL BEAM AS OCCURS.
2. STEEL JOIST AS OCCURS.
3. MECHANICAL DUCTS, SEE MECHANICAL DRAWINGS
4. LINE OF WALL
5. UNISTRUT P1000, 6" LONG SUSPENDED FROM STRUCTURE ABOVE
6. THREADED ROD, 5/8" THICK. PROVIDE NUTS, WASHERS, CLAMPS, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
7. UNISTRUT, 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. TYPICAL 12 GA HANGER WIRE.
2. ACOUSTIC PANEL.
3. CUBICAL CURTAIN ROD HANGER. BASIS OF DESIGN: ON THE RIGHT TRACK.

13 Curtain Track Detail

SCALE: 3" = 1'-0"

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NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Ceiling Details

A503A

KEYED NOTES

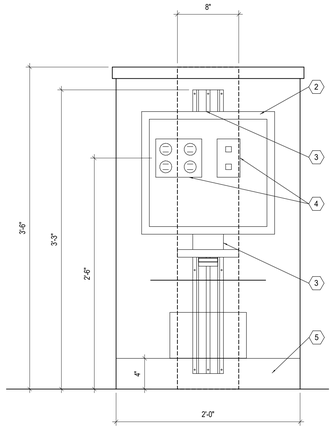
1. NOT USED

2. 8" W x 3'-6" H x 16 GA. BACKING PLATE. ANCHOR TO 16GA STUDS,CENTER ON WALL CHANNEL. SEE PLAN DETAIL 13/A502A FOR ATTACHMENT.

3. ERGOTRON WALL MOUNT SYSTEM FOR MONITOR KEYBOARD AND CPU PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.

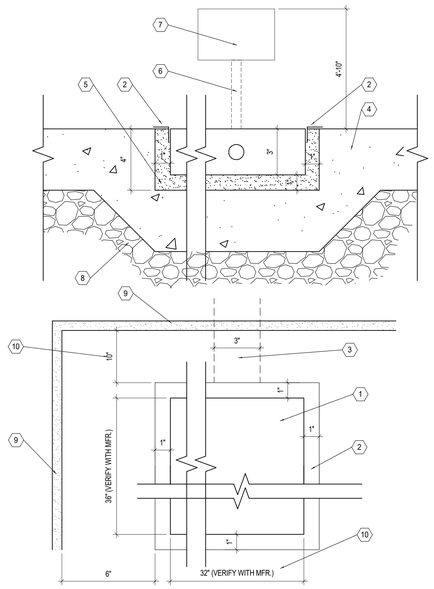
4. ELECTRICAL AND DATA OUTLETS. SEE ELECTRICAL DRAWINGS.

5. BASE. SEE FINISH SCHEDULE.



ELEVATION

1 Nurse Charting Station
SCALE: 1 1/2" = 1'-0"



KEYED NOTES

1. RECESSED FLOOR SCALE. BASIS OF DESIGN SCALE-TRONIX, FLUSH MOUNTED IN-FLOOR SCALE: MODEL 6102. PLATFORM SIZE 32" W X 36" D. INSTALL PER MANUFACTURES SPECIFICATIONS.

2. 1" X 1" STAINLESS STEEL ANGLE ALL AROUND OVER SHEET VINYL FLOORING.

3. PROVIDE 3" WIDE TRENCH IN EXIST. CONCRETE FLOOR FOR CONDUIT/CABLE.

4. SAW CUT EXISTING SLAB ON GRADE FOR INSTALLATION OF RECESSED SCALE. FOUR NEW SLAB AS SHOWN. NEW SLAB DEPRESSION TO BE 1" MORE ON ALL SIDES THAN THE DIMENSION OF THE FRAME FOR THE RECESSED SCALE. COORDINATE WITH MANUFACTURE FOR DIMENSIONS OF RECESSED FRAME.

5. FILL SPACE WITH EPOXY UNDERLAYMENT; ARDEX OR EQUAL TO GET A EVEN DEPRESSION AS REQUIRED FOR THE RECESSED FLOOR SCALE.

6. IN WALL CONDUIT TO READ OUT.

7. SURFACE MOUNTED READOUT. INSTALL PER MANUFACTURES RECOMMENDATION.

8. NEW 4" DRAINAGE GRAVEL.

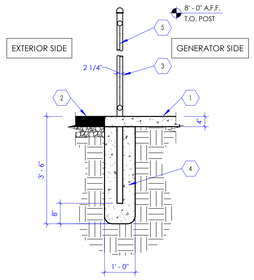
9. FACE OF LOW HEIGHT WALL PARTITION. SEE FLOOR PLAN AND WALL TYPES.

10. VERIFY DIMENSION WITH MANUFACTURES REQUIREMENTS.

2 Detail at Recessed Floor Scale
SCALE: 3" = 1'-0"

KEYED NOTES

1. NEW CONCRETE SLAB.
2. ASPHALT PAVING, CONCRETE OR LANDSCAPING, AS OCCUS - SEE SITE PLAN
3. CHAIN LINK FENCE POST, 8-FEET HIGHT, GALVANIZED @ 8' - 0" O.C.
4. CONCRETE FOOTING AT EVERY FENCE POST.
5. GALVANIZED CHAIN LINK FENCE WITH TWISTED SELVAGE, TOP AND BOTTOM AND PRIVACY SLATS WITH COLORS TO MATCH BUILDING.



3 Chainlink Fence Detail
SCALE: 1/2" = 1'-0"

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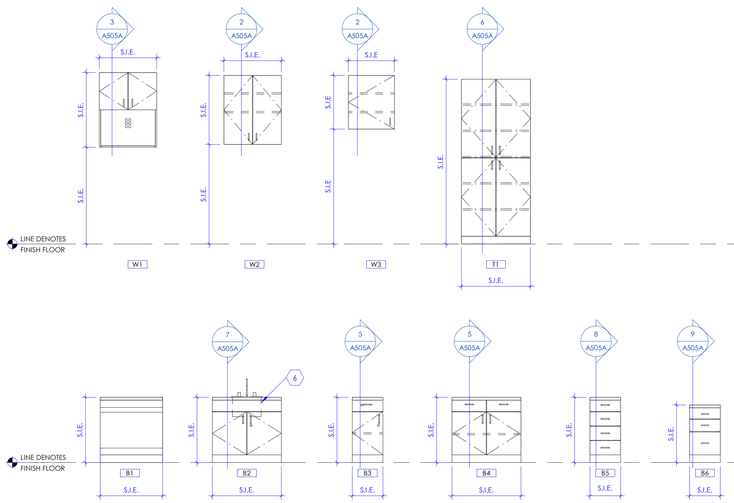


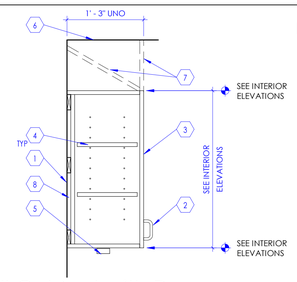
KEYED NOTES

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

1 Cabinet Legend

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

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

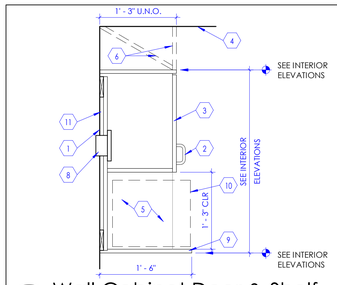


KEYED NOTES

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

2 Wall Cabinet with Door

SCALE: 1" = 1'-0"

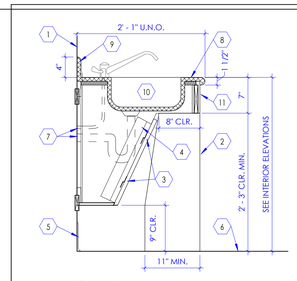


KEYED NOTES

1. LINE OF WALL
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. LINE OF CEILING. SEE REFLECTED CEILING PLAN.
5. PROVIDE PLASTIC LAMINATE FINISH ON ALL EXPOSED CABINET INTERIORS.
6. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL **2 / A505B**
7. NOT USED.
8. CUT BACK PANEL OF UPPER CABINET AS REQUIRED FOR POWER OUTLET FOR MICROWAVE. COORDINATE WITH ELECTRICAL CONTRACTOR.
9. PLASTIC LAMINATE BOTTOM PANEL, 1" THICK, EXTEND BOTTOM PANEL. EXPOSED CORNERS OF EXTENDED PANEL TO BE ROUNDED OFF TO A 1" RADIUS.
10. MICROWAVE, AS OCCURS.
11. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

3 Wall Cabinet Door & Shelf

SCALE: 1" = 1'-0"



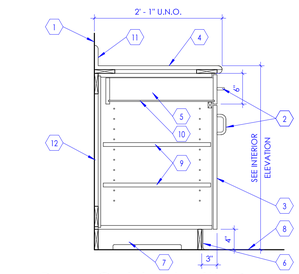
KEYED NOTES

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 **8 / A505B**
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 **16 / A505B**

4 ADA Sink with Skirt no Cabinet

SCALE: 1" = 1'-0"

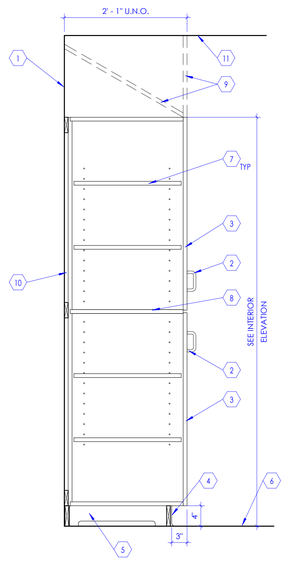


KEYED NOTES

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

5 Base Cabinet with Drawer and Door

SCALE: 1" = 1'-0"

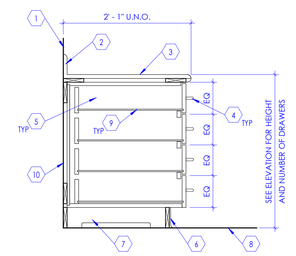


KEYED NOTES

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, DATA OUTLETS THAT ARE LOCATED HERE.
6. LINE OF FLOOR.
7. SEAL TIGHTLY AROUND PIPE PENETRATIONS WITH CAULKING. PROVIDE STAINLESS STEEL ESCUTCHEON PLATE AROUND DRAIN AND WATER LINES.
8. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **8 / A505B**
9. SINK. SEE PLUMBING DRAWINGS AND ARCHITECTURAL DRAWINGS FOR INTERIOR DIMENSIONS AND LOCATION.
10. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **4 / A505B** **5 / A505B**
11. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

7 Sink with Base Cabinet

SCALE: 1" = 1'-0"



KEYED NOTES

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

8 Base Cabinet with Drawers

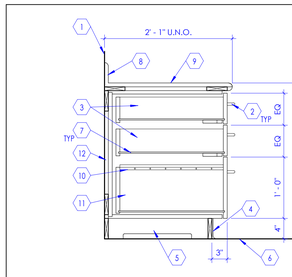
SCALE: 1" = 1'-0"

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, DATA OUTLETS THAT ARE LOCATED HERE.
6. LINE OF FLOOR.
7. SEAL TIGHTLY AROUND PIPE PENETRATIONS WITH CAULKING, WHERE EXPOSED, NO BACKSPLASH IS NECESSARY.
8. FIXED SHELF. MULTI-CORE, 1" THICK, PREMIUM GRADE-PANEL CORE PRODUCT USED FOR LAMINATED CASEWORK.
9. FASCIA PANEL, AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL **2 / A505B**
10. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**
11. LINE OF CEILING. SEE REFLECTED CEILING PLAN.

6 Tall Cabinet with Two Doors

SCALE: 1" = 1'-0"



KEYED NOTES

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

9 Base Cabinet with Drawers

SCALE: 1" = 1'-0"

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Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Cabinet Legend & Details

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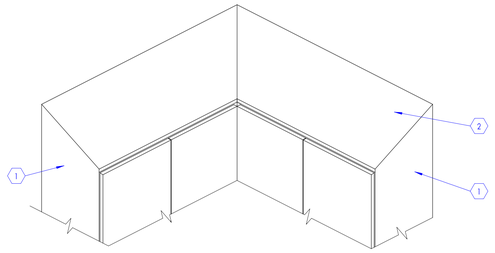
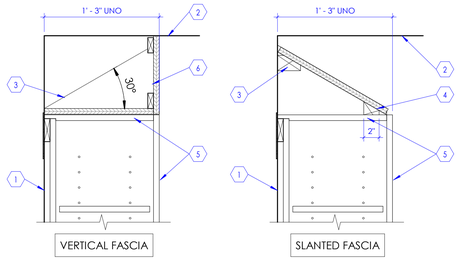


KEYED NOTES

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

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

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



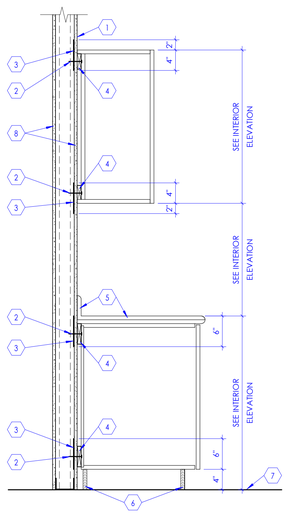
KEYED NOTES

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

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

2 Wall Cabinet Fascia

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



KEYED NOTES

1. LINE OF WALL.
2. FASTENERS AS REQUIRED. ALIGN WITH STUDS WHERE POSSIBLE.
3. STEEL BACKING PLATE. PLATE SHALL BE 15 GAUGE, 6" WIDE WITH REQUIRED LENGTH TO COVER CABINETS.
4. SOLID WOOD BLOCKING, TYPICALLY ATTACHED TO CABINET BODY.
5. COUNTERTOP AND BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **4 / A505B** **5 / A505B**.
6. CABINET BASE BOX. BOX SHALL BE BUILT WITH PLYWOOD, 3/4" THICK, PRESSURE TREATED. BASE BOX SHALL BE ANCHORED TO FLOOR WITH STEEL "L" CLIPS AND FASTENERS AS REQUIRED. BASE CABINET SHALL BE ATTACHED TO THE BASE BOX.
7. LINE OF FLOOR.
8. NEW WALL (OR EXISTING WALL WHERE OCCURS). SEE WALL TYPE FOR WALL CONSTRUCTION.

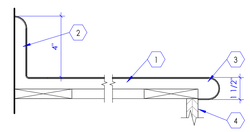
NOTE: WHEN CABINETS ARE MOUNTED TO CONCRETE WALL OR MASONRY (CMU BLOCKS) WALL, BACKING PLATES ARE NOT REQUIRED. PROVIDE COMPATIBLE MASONRY WALL ANCHORS AND FASTENERS TO ATTACH THE CABINETS.

3 Typical Cabinet Body Attachment to Walls

SCALE: 1" = 1'-0"

KEYED NOTES

1. 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.

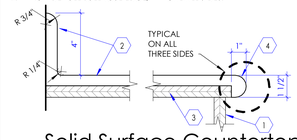


4 P-Lam Countertop Detail

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 AT THE TOP AND 1/4" RADIUS AT THE BOTTOM.
3. 3/4" THICK X CONTINUOUS FIRE TREATED PLYWOOD.
4. PROVIDE FULL BULLNOSE EDGE, TYPICAL ALL SIDES.



5 Solid Surface Countertop Detail

SCALE: 3" = 1'-0"

KEYED NOTES

1. LINE OF FLOOR.
2. WALL BASE. SEE FINISH SCHEDULE.
3. WALL. SEE FLOOR PLAN & WALL TYPES.
4. COUNTERTOP SUPPORT, PAINTED. SUPPORT SHALL BE STEEL ANGLE, 2"X2"X1/4", PIECES MITERED AND WELDED @ 90° ANGLE AS INDICATED. CHAMFER EXPOSED EDGES SMOOTH. ATTACH SUPPORT TO METAL STUDS INSIDE WALL WITH 1/4" BOLTS, AS SHOWN. AT FLOOR, PROVIDE 3" WIDE X 6" LONG X 1/4" THICK, BASE STEEL PLATE WELDED TO VERTICAL STEEL ANGLE. ATTACH BASE PLATE TO FLOOR WITH TWO 1/2" DIAMETER ANCHOR BOLTS (ON EITHER SIDE OF THE VERTICAL ANGLE) WITH 3" MINIMUM EMBED IN CONCRETE FLOOR. CONTRACTOR SHALL REVIEW INTERIOR ELEVATIONS AND LOCATE SUPPORTS DURING WALL CONSTRUCTION. SUPPORT SPACING SHALL NOT EXCEED 4'-0" O.C. MAXIMUM.
5. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **4 / A505B** **5 / A505B**
6. PROVIDE GROMMETS AT COMPUTER MONITOR LOCATIONS, KNEE SPACES, COUNTERTOP EQUIPMENT, ETC.
7. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **4 / A505B** **5 / A505B**
8. SOLID SURFACE CAP AT WALL. SEE WALL TYPE - P, SHEET A501A

6 Nurse Station Counter Detail

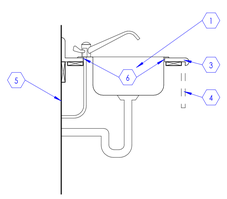
SCALE: 1" = 1'-0"

KEYED NOTES

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

16 Steel Support for Countertop at Stud Wall

SCALE: 1" = 1'-0"



KEYED NOTES

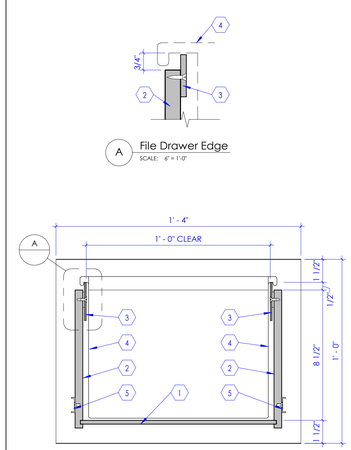
1. STAINLESS STEEL SINK. SEE PLUMBING DRAWINGS AND ARCHITECTURAL DRAWINGS FOR INTERIOR DIMENSIONS AND LOCATION.
2. INTEGRAL MONOLITHIC MATERIAL SINK. SEE PLUMBING DRAWINGS AND ARCHITECTURAL DRAWINGS FOR INTERIOR DIMENSIONS AND LOCATION.
3. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR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

8 Typical Sink Detail

SCALE: 1" = 1'-0"

KEYED NOTES

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



9 File Drawer Section

SCALE: 3" = 1'-0"

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LICENSED ARCHITECT

Tooele Valley Dialysis Clinic Expansion

Intermountain Healthcare

Northpointe Medical Park, Bldg B
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Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Cabinet Details

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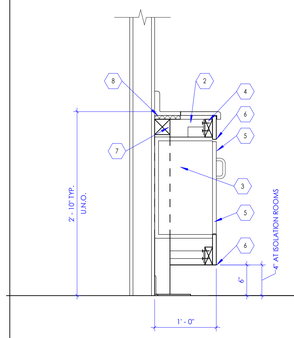
KEYED NOTES

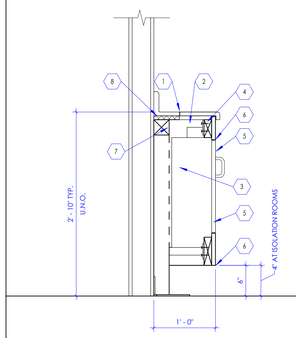
1. NOT USED
2. CONT. 2X4 ON ALL SIDES OF THE OPENING FOR THE P-LAM ACCESS PANEL TO BRACE THE OPENING AND PROVIDE SUPPORT FOR THE HINGE ON THE HOLD OPEN ARM.
3. STEEL SUPPORT BEYOND SHOWN DASHED.
4. CONT 2X4 WOOD STUD FRAMING.
5. 3/4" THICK MARINE GRADE PLYWOOD WITH PLASTIC LAMINATE FACE AND MELAMINE BACK.
6. ALL EXPOSED EDGES TO HAVE 3.. PVC EDGE BANDING, TYP.
7. STEEL SUPPORT FOR CHASE WALL. SEE DETAIL
8. 3/4" THICK CONT. FIRE TREATED PLYWOOD.



1 Cabinet Detail @ Chase Wall
SCALE: 1" = 1'-0"

KEYED NOTES

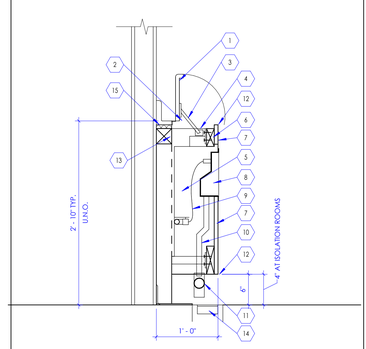
1. STAINLESS STELL CONT. CONCEALED PIANO HINGE AT ALL ACCESS PANELS, TYP
2. CONT. 2X4 ON ALL SIDES OF THE OPENING FOR THE P-LAM ACCESS PANEL TO BRACE THE OPENING AND PROVIDE SUPPORT FOR THE HINGE ON THE HOLD OPEN ARM.
3. STEEL SUPPORT BEYOND SHOWN DASHED.
4. CONT 2X4.
5. 3/4" THICK MARINE GRADE PLYWOOD WITH PLASTIC LAMINATE FACE AND MELAMINE BACK.
6. ALL EXPOSED EDGES TO HAVE 3.. PVC EDGE BANDING, TYP.
7. STEEL SUPPORT FOR CHASE WALL. SEE DETAIL
8. 3/4" THICK CONT. FIRE TREATED PLYWOOD.



2 Access Panel @ Chase Wall
SCALE: 1" = 1'-0"

KEYED NOTES

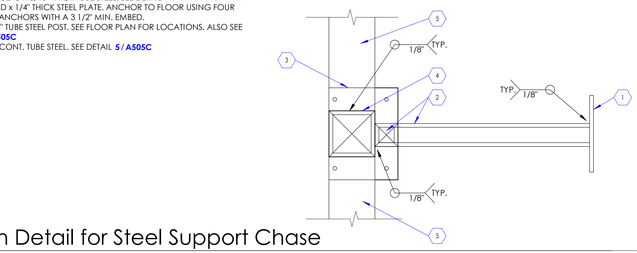
1. P-LAM ACCESS PANEL WITH P-LAM FACE AND MELAMINE BACK. CENTER ACCESS PANEL ON WALL BOX BELOW. USE MARINE GRADE PLYWOOD FOR COUNTERTOP AND ACCESS PANEL.
2. STAINLESS STELL CONT. CONCEALED PIANO HINGE AT ALL ACCESS PANELS, TYP
3. HEAVEY DUTY HOLD OPEN ARM/ LID STAY. BASIS OF DESIGN HAFELE 373.85.701 MAXI SERIES 11.6 LB CAPACITY.
4. CONT. 2X4 WOOD STUD FRAMING ON ALL SIDES OF THE OPENING FOR THE P-LAM ACCESS PANEL TO BRACE THE OPENING AND PROVIDE SUPPORT FOR THE HINGE ON THE HOLD OPEN ARM.
5. STEEL SUPPORT BEYOND SHOWN DASHED.
6. CONT 2X4 WOOD STUD FRAMING.
7. 3/4" THICK MARINE GRADE PLYWOOD WITH PLASTIC LAMINATE FACE AND MELAMINE BACK.
8. STATION WALL BOX. SEE PLUMBING DRAWINGS.
9. SEE PLUMBING DRAWINGS FOR PIPING. ANCHOR PER MANUFACTURERS RECOMMENDATIONS.
10. 1" FLEXIBLE DRAIN.
11. 2" PVC DRAIN LINE. SLOPE TO FLOOR DRAIN. ACHOR AS REQUIRED.
12. ALL EXPOSED EDGES TO HAVE 3" PVC EDGE BANDING, TYP.
13. STEEL SUPPORT FOR CHASE WALL. SEE DETAIL **4 / A505C**
14. FLOOR DRAIN. SEE PLUMBING DRAWING AND FLOOR PLANS FOR LOCATIONS.
15. 3/4" THICK CONT. FIRE TREATED PLYWOOD.



3 Section Through Chase Wall
SCALE: 1" = 1'-0"

KEYED NOTES

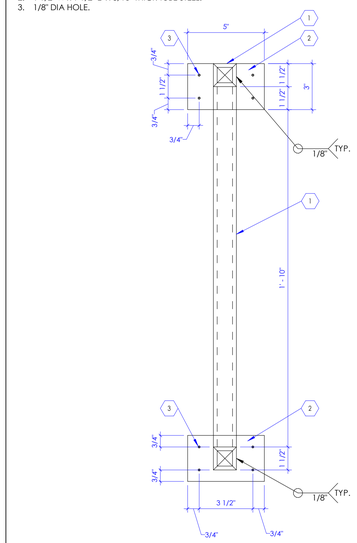
1. 5" W x 3" D x 1/4" THICK STEEL PLATE. SEE DETAIL **4 / A505C** **5 / A505C**
2. 1 1/2" W x 1 1/2" D x 3/16" THICK TUBE STEEL. SEE DETAIL **4 / A505C** **5 / A505C**
3. 6" W x 4 1/2" D x 1/4" THICK STEEL PLATE. ANCHOR TO FLOOR USING FOUR EXPANSION ANCHORS WITH A 3 1/2" MIN. EMBED.
4. 3" x 3" x x 1/4" TUBE STEEL POST. SEE FLOOR PLAN FOR LOCATIONS. ALSO SEE DETAIL **4 / A505C**
5. 3" x 3" x 1/4" CONT. TUBE STEEL. SEE DETAIL **5 / A505C**



4 Steel Support Detail
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. 5" W x 3" D x 1/4" THICK STEEL PLATE. ANCHOR TO CONTINUOUS 2" x 6" AND 2" x 6" FRAMING.
2. 1 1/2" W x 1 1/2" D X 3/16" THICK TUBE STEEL.
3. 1/8" DIA HOLE.



5 Elevation Detail at Tube Steel
SCALE: 3" = 1'-0"

KEYED NOTES

1. 5" W x 3" D x 1/4" THICK STEEL PLATE. SEE DETAIL **4 / A505C** **5 / A505C**
2. 1 1/2" W x 1 1/2" D x 3/16" THICK TUBE STEEL. SEE DETAIL **4 / A505C** **5 / A505C**
3. 6" W x 4 1/2" D x 1/4" THICK STEEL PLATE. ANCHOR TO FLOOR USING FOUR EXPANSION ANCHORS WITH A 3 1/2" MIN. EMBED.
4. 3" x 3" x x 1/4" TUBE STEEL POST. SEE FLOOR PLAN FOR LOCATIONS. ALSO SEE DETAIL **4 / A505C**
5. 3" x 3" x 1/4" CONT. TUBE STEEL. SEE DETAIL **5 / A505C**

6 Plan Detail for Steel Support Chase
SCALE: 3" = 1'-0"

Intermountain Healthcare
Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
235 North 400 East Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Cabinet Details

A505C

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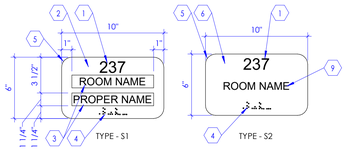
KEYED NOTES

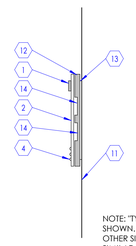
1. ROOM NUMBER (1/32" RAISED TEXT CHARACTERS, HELVETICA FONT, MATTE FINISHED OPAQUE ACRYLIC SHEET) ATTACHED TO FRONT PANEL.
2. MATTE FINISHED OPAQUE ACRYLIC FRONT PANEL (WITH TRANSPARENT WINDOW) ATTACHED TO BASE PANEL.
3. TRANSPARENT WINDOW FOR TEXT INSERT (HELVETICA FONT). TEXT INSERT SHALL BE FURNISHED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

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



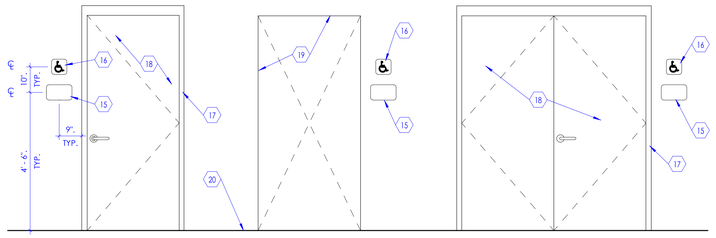
NOTE: VERIFY WITH ARCHITECT FOR ACTUAL OCCUPANT LOAD

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



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

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



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

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

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

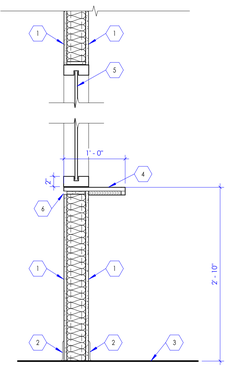
C Sign Mounting Elevations
SCALE: 1/2" = 1'-0"

NOTE: SIGNAGE IS OWNER FURNISHED & OWNER INSTALLED. DETAIL FOR REFERENCE ONLY.

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

KEYED NOTES

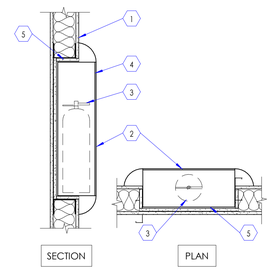
1. FACE OF WALL ASSEMBLY.
2. WALL BASE. SEE FINISH SCHEDULE.
3. LINE OF FLOOR.
4. SOLID SURFACE COUNTERTOP WITH BULLNOSE EDGE. SEE DETAIL . COUNTERTOP TO BE CONTINUOUS BENEATH PASS THROUGH DOORS.
5. SLIDING WINDOW. SEE FLOOR PLAN AND SPECIFICATIONS.
6. 5/8" x 5/8" x CONT. ALUMINUM C-CHANEL.



2 Sliding Window
SCALE: 1" = 1'-0"

KEYED NOTES

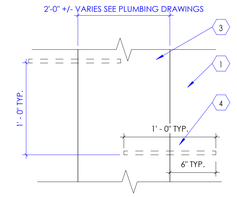
1. GYPSUM BOARD, 5/8" THICK. (USE TYPE 'X' IF WALLS ARE FIRE RATED) ATTACHED TO METAL STUD.
2. FIRE EXTINGUISHER CABINET, SEMI RECESSED. VERIFY WITH MANUFACTURER FOR ROUGH OPENING SIZE REQUIREMENTS.
3. HAND HELD FIRE EXTINGUISHER.
4. CABINET DOOR.
5. COVER ALL SIDES OF CABINET WITH 5/8" THICK, TYPE 'X' GYPSUM BOARD.



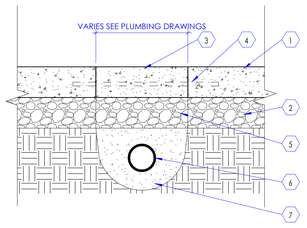
AT GYPSUM BOARD WALL

FIRE EXTINGUISHER RECESSED CABINET AT GYPSUM BOARD WALL

3 Fire Extinguisher Cabinet Detail
SCALE: 1" = 1'-0"



PLAN



SECTION

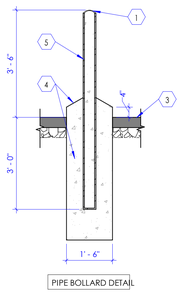
KEY NOTES

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

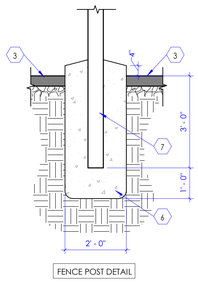
4 Slab Trenching Repair Detail
SCALE: 1 1/2" = 1'-0"

KEY NOTES

1. FILL STEEL PIPE WITH CONCRETE AND ROUND OFF
2. COMPACTED GRANULAR FILL BASE, 4" THICK.
3. ASPHALT OR CONCRETE SIDEWALK, AS OCCURS. SEE SITE PLAN.
4. CONCRETE FOOTING, 18" DIAMETER.
5. GALVANIZED STEEL PIPE, 5" DIAMETER. PRIME AND PAINT STEEL PIPE WITH YELLOW COLOR.
6. CONCRETE FOOTING, 2'-0" DIAMETER. SLOPE TOP OF CONCRETE AWAY FROM PIPE AS INDICATED.
7. CHAIN LINK FENCE POST. BLACK, VINYL COATED. SEE SITE PLAN FOR FENCE TYPE & HEIGHT. PROVIDE CONCRETE FOOTING AS SHOWN.

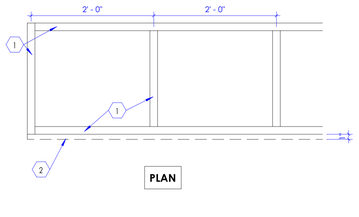


PIPE BOLLARD DETAIL



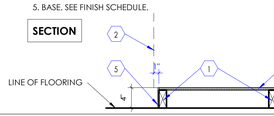
FENCE POST DETAIL

5 Concrete Base For Poles
SCALE: 1/2" = 1'-0"



KEY NOTES

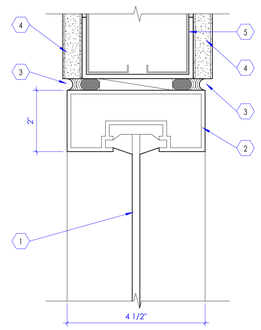
1. 2" x 4" FIRE TREATED WOOD STUDS.
2. TOE KICK / FACE OF METAL LOCKERS. PROVIDE 3" TOE KICK AT ALL EXPOSED SURFACES. COORDINATE WITH LOCKER MANUFACTURE.
3. 1/2" FIRE TREATED PLYWOOD PLATFORM. LEVELNESS AT PLATFORM TO BE +/- 1/8" THROUGH OUT AS LOCKERS WILL NOT HAVE ADJUSTMENT LEGS.
4. FACE OF FINISHED GYPSUM BOARD WALL BEHIND. PROVIDE IN-WALL METAL STUD BLOCKING PER MANUFACTURERS RECOMMENDATION. METAL STUD BLOCKING TO BE TYPE 1' PER DETAIL
5. BASE. SEE FINISH SCHEDULE.



6 Locker Base Detail
SCALE: 1" = 1'-0"

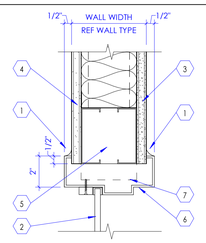
KEYED NOTES

1. GLAZING, SEE WINDOW TYPES.
2. ALUMINUM FRAME, 2" X 4 1/2", CENTER GLAZED, CLEAR ANODIZED FINISH.
3. CONTINUOUS SEALANT AND BACKER ROD, BOTH SIDES.
4. 5/8" GYPSUM WALL BOARD, BOTH SIDES.
5. HEADER PER SPAN LENGTH, SEE DETAIL .



SECTION VIEW

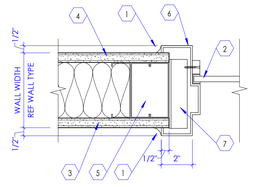
Alum. Frame Head Detail (Jamb Sim.)
SCALE: 6" = 1'-0"



KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. GLAZING, SEE WINDOW SCHEDULE.
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. 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.

7 Hollow Metal Window Frame Head Detail - Jamb Similar
SCALE: 3" = 1'-0"



KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. GLAZING, SEE WINDOW SCHEDULE.
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 .
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 Hollow Metal Window Frame Jamb Detail
SCALE: 3" = 1'-0"

NJRA ARCHITECTS
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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
2356 North 400 East, Suite #102
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Details

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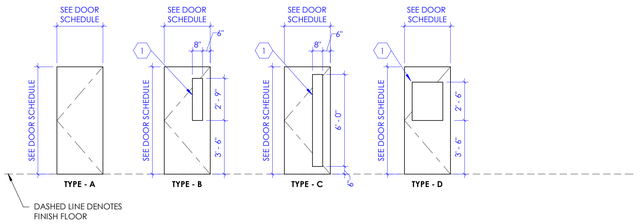
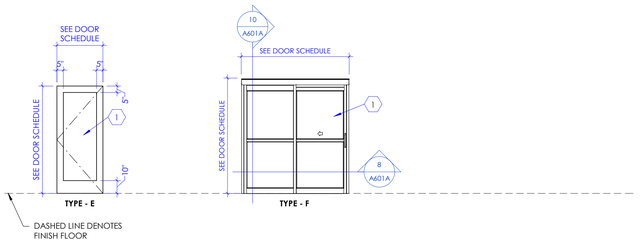




KEYED NOTES

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

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.

DOOR SCHEDULE

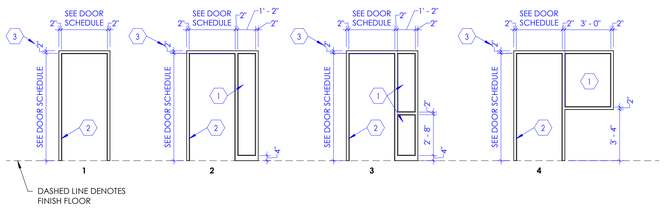
DOOR #	DOOR							FRAME			DETAILS			DOOR #	FIRE RATING (MINUTES)	HARDWARE GROUP	COMMENTS
	# OF PANELS	WIDTH		SIZE			TYPE (1/A601A)	TYPE (2/A601A)	DEPTH	MATERIAL	JAMB	HEAD	THRESHOLD				
		W1	W2	HEIGHT	THICKNESS	MATERIAL											
A101A	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	7 3/4"	HM	9/A601A	9/A601A		A101A	45	1	
A101B	1	4' - 0"		7' - 0"	1 3/4"	WD	E	1	8 1/4"	HM	9/A601A	9/A601A		A101B		2	1,2
A102	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A102		11	
A103	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A103		13	
A104	1	3' - 0"		7' - 0"	1 3/4"	WD	D	1	5 7/8"	HM	9/A601A	9/A601A		A104		10	
A123	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A123		11	
A124	1	3' - 0"		7' - 0"	1 3/4"	WD	D	1	5 7/8"	HM	9/A601A	9/A601A		A124		7	1
A126	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A126		7	1
A127	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A127		11	
A128	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A128		5	1,3
A129		7' - 0"		7' - 6"	MFR.	AL	F	MFR.	MFR.	AL	8/A601A	10/A601A		A129		12	5
A130	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A130		10	
A131	1	4' - 0"		7' - 0"	1 3/4"	HM	A	1	5 7/8"	HM	9/A601A	9/A601A		A131		4	1
A132A	1	4' - 0"		7' - 0"	1 3/4"	HM	A	1	5 7/8"	HM	9/A601A	9/A601A		A132A		6	
A133	2	2' - 6"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A133		8	
A134	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A134		10	
A135	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A135		9	
A136	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A136		10	
A137	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A137		4	1
A138	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A138		10	
A139	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A139		9	
A140	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A140		9	
A141	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	9/A601A	9/A601A		A141		10	
A142	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	7 3/4"	HM	9/A601A	9/A601A		A142	45	3	1,4
A143	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	8 1/4"	HM	9/A601A	9/A601A		A143	45	7	1

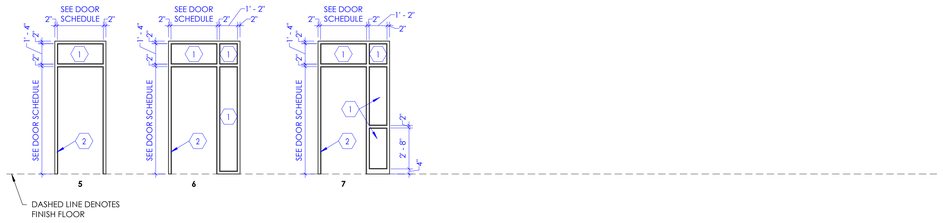
COMMENTS

NOTES:
1. CARD READER REQUIRED AT THIS DOOR.
2. DOOR RELEASE REQUIRED AT THIS DOOR FROM THE NURSE STATION AND SHARED OFFICE.
3. PROVIDE SAFE ZONE CLOSER AT THIS DOOR.
4. PROVIDE AUTO-OPENER AT THIS DOOR.
5. BREAKOUT SLIDING ALUM. GLASS DOOR. SEE SPECIFICATIONS.

KEYED NOTES

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

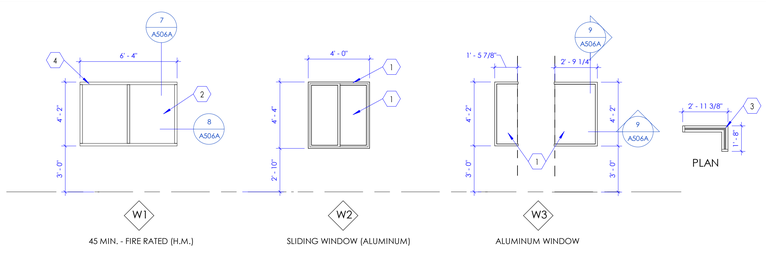




2 Frame Types

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

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

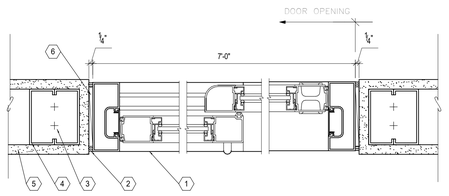


KEYED NOTES

1. GLAZING SHALL BE CLEAR, TEMPERED, AND 1/4" THICK.
2. 45 MINUTE FIRE RATED GLAZING REQUIRED AT THIS WINDOW
3. MITER GLASS AT CORNER.
4. 45 MINUTE FIRE RATED HOLLOW METAL WINDOW SYSTEM
5. ALUMINUM AND GLASS MANUAL SLIDING WINDOW, CR LAWRENCE DW 4200 A TWO PANEL MANUAL DELUXE LOCKABLE SLIDING WINDOW, FINISH: SATIN ANODIZED.

3 Window Legend

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



KEYED NOTES

1. PRE MANUFACTURED ALUMINUM AND GLASS SLIDING DOOR. SEE PROJECT MANUAL FOR DETAILS.

2. PROVIDE CLEAR SILICON SEALANT ALL AROUND DOOR FRAME- BOTH SIDES OF DOOR.

3. (2) TYP. TRACK PINS AT DECK ABOVE AND FLOOR SLAB BELOW.

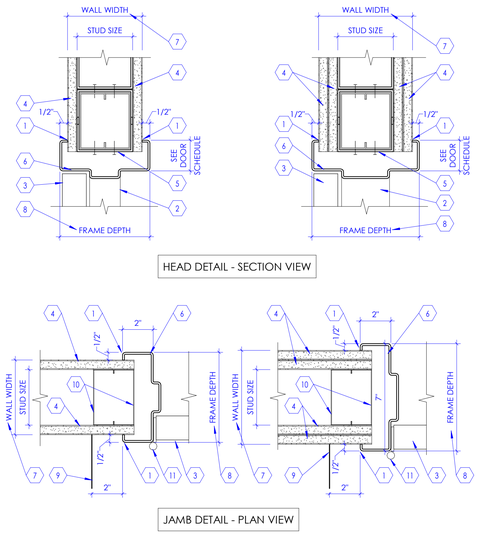
4. DOUBLE METAL STUDS, SEAM WELD AT 12" O.C. TYP., USE 16 GA STUDS.

5. 5/8" THICK, TYPE 'X' GYP. BD. ALL AROUND.

6. 1/4" SHIM SPACE AT EACH JAMB.

8 Manual Sliding Breakout Door at Isolation Rooms

SCALE: 3" = 1'-0"



KEYED NOTES

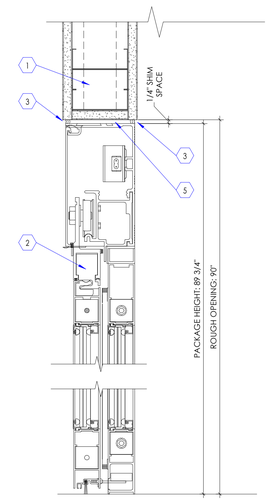
1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. DOOR FRAME SEEN BEYOND.
3. DOOR, SEE DOOR SCHEDULE FOR DOOR TYPE.
4. GYPSUM BOARD, 5/8" THICK, TYPE 'X', ATTACH TO METAL STUD FRAMING. SEE WALL TYPES.
5. STEEL RUNNER (18 GAUGE) FASTENED WITH SCREWS TO STRUT STUDS AT EACH END. SEE DETAIL **6 / A502A**
6. HOLLOW METAL DOOR FRAME. FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS. PAINT FRAME.
7. SEE WALL TYPES FOR WALL WIDTH AND STUD SIZE.
8. FRAME DEPTH SHALL BE WALL WIDTH PLUS 1".
9. LINE OF WALL, AS OCCURS.
10. PROVIDE DOUBLE METAL STUDS AT FRAME JAMBS, WALL ENDS, ETC. PROVIDE STEEL STRAPS (6" HIGH 16 GAUGE STRAPS AT 2'-0" O.C.) SEE DETAIL **7 / A502A**
11. DOOR HINGE AS OCCURS. SEE DOOR AND HARDWARE SCHEDULE. SEE FLOOR PLAN FOR DOOR SWING.

9 Door Frame in Stud Wall

SCALE: 3" = 1'-0"

KEYED NOTES

1. SEE DETAIL 6/A502A FOR FRAMING AT DOOR HEADER.
2. MANUAL SLIDING DOOR ALUMINUM AND GLASS DOOR AS SCHEDULED.
3. PROVIDE CLEAR SILICON CAULKING ALL AROUND DOOR - BOTH SIDES.
4. GYP. BD. SOFFIT AS SCHEDULED.
5. SHIM AS REQUIRED.



10 Sliding Door Head Detail

SCALE: 3" = 1'-0"

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Intermountain Healthcare

Tooele Valley Dialysis Clinic Expansion

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Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Door & Window Schedule

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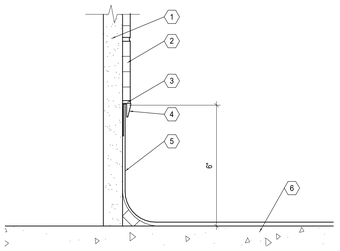
FINISH SCHEDULE

TAG	FINISH TYPE	SIZE	MATERIAL DESCRIPTION	MANUFACTURER	STYLE	MODEL #	COLOR	COMMENTS
F1	FLOOR FINISH		HOMOGENEOUS SHEET VINYL	MANNINGTON COMMERCIAL	BIOSPEC MD	-	FC (FIELD COLOR): SANDRIFT 15203 AC-1 (ACCENT COLOR 1): FLAX 15361 AC-2 (ACCENT COLOR 2): BEDROCK 15369	1
F2	FLOOR FINISH	6" X 36"	LVT (LUXURY VINYL TILE)	MANNINGTON COMMERCIAL	NATURE'S PATHS WITH SQUARE EDGES	MADISON MAPLE	CREEK 12238	8
F3	FLOOR FINISH		LIQUID APPLIED - EPOXY PAINT	SHERWIN WILLIAMS	PORCH AND FLOOR ENAMEL	-	GREY TO MATCH CONCRETE	-
B1	WALL BASE	4" HIGH	RUBBER BASE	ROPPE	-	-	BURNT UMBER 194	-
B2	WALL BASE	6" HIGH	COVED BASE HOMOGENEOUS SHEET VINYL	MANNINGTON COMMERCIAL	BIOSPEC MC	15203	SANDRIFT	2
B3	WALL BASE	4" HIGH	CARPET BASE (TOP EDGE BOUND WITH FABRIC)	SHAW	-	-	-	9
W1	WALL FINISH		PAINT	SHERWIN WILLIAMS	SATIN FINISH	-	FC (FIELD COLOR): PURE WHITE SW7005 AC-1 (ACCENT COLOR 1): STUNNING SHADE SW7082 AC-2 (ACCENT COLOR 2): DISTANCE SW6243 AC-3 (ACCENT COLOR 3): RAINSTORM SW6230	-
W2	WALL FINISH		PAINT - EPOXY TYPE	SHERWIN WILLIAMS	SEMI-GLOSS FINISH	SW7005	PURE WHITE	-
W3	WALL FINISH	3" X 15"	PORCELAIN TILE	CROSSVILLE	NOTORIOUS	-	FC (FIELD COLOR): NTR05 LEADING MAN AC-1 (ACCENT COLOR 1): NTR01 FEMME FATALE UPS	3, 5
W4	WALL FINISH	12" X 12"	PORCELAIN TILE	CROSSVILLE	NOTORIOUS	NTR05	LEADING MAN UPS	3
W5	WALL FINISH		PAINTED PLYWOOD	SHERWIN WILLIAMS	SATIN FINISH	SW7005	PURE WHITE	4
W6	WALL FINISH		PAINT	SHERWIN WILLIAMS	-	-	-	9
PL1	PLASTIC LAMINATE FINISH		PLASTIC LAMINATE (CABINETS)	WILSONART	LINEARITY FINISH	7970K-18	HIGH LINE	-
PL2	PLASTIC LAMINATE FINISH		PLASTIC LAMINATE SHEET OVER SUBSTRATE	WILSONART	MATTE FINISH	1573-60	FROSTY WHITE	-
SS1	SOLID SURFACE		SOLID SURFACE (COUNTERTOP)	CORIAN SOLID SURFACE	-	-	WHITE JASMINE	-
SS2	SOLID SURFACE		SOLID SURFACE INTEGRAL SINK	SAMSUNG STARON	-	A1181	BRIGHT WHITE, BW010	-
CG1	WALL PROTECTION	2" X 2" X 4'-0"	CORNER GUARDS	CS ACROVYN	-	SSM-2AN SERIES	949 WHITE	6
WP1	WALL PROTECTION		WAINSCOT PANEL 0.06" THICK RIGID VINYL	CS ACROVYN	-	-	949 WHITE	7
WC1	WINDOW COVERINGS		ALUMINUM HORIZONTAL BLINDS	HUNTER DOUGLAS ARCHITECTURAL	CL MODEL	CL62	001 GLACIER WHITE	-
TF1	TEXTILES (FABRICS)		CUBICLE CURTAIN FABRIC	MOMENTUM TEXTILES AND WALLCOVERING	PARKSIDE	CPS-03	WATER LILY	-

COMMENTS

1. SEE FLOOR PATTERN PLAN LEVEL 1 SHEET A117 FOR FLOOR PATTERN LAYOUT WITH FIELD AND ACCENT COLORS.
2. INSTALL ALUMINUM TRIM ON TOP OF ALL COVED SHEET VINYL BASE.
3. GROUT TO BE MAPEI 09 GRAY OR SIMILAR.
4. PLYWOOD WALLS IN THE TDR ROOM SHALL BE PAINTED BUT SPACE SHOULD BE LEFT TO CLEARLY SHOW FIRE RATINGS.
5. SEE INTERIOR ELEVATIONS FOR RESTROOM WALL TILE PATTERN.
6. CORNER GUARDS TO SPAN FROM FINISHED FLOOR TO 4'-0" ABOVE FINISH FLOOR. ALIGN WITH WALL PROTECTION WAINSCOT.
7. WALL PROTECTION WAINSCOT TO SPAN FROM TOP OF BASE TO 4'-0" ABOVE FINISHED FLOOR.
8. LVT PLANKS SHALL BE INSTALLED RUNNING PARALLEL TO THE DOOR IN A RANDOM STAGGER PATTERN.
9. MATCH FINISH STYLE AND COLOR TO ADJACENT EXISTING BUILDING HALLWAY FINISHES.



KEYED NOTES

1. 5/8" THICK CEMENT BACKER BOARD AT ALL WALLS BEHIND CERAMIC OR PORCELAIN WALL TILES.

2. WALL TILES. SEE FINISH SCHEDULE FOR TYPE.

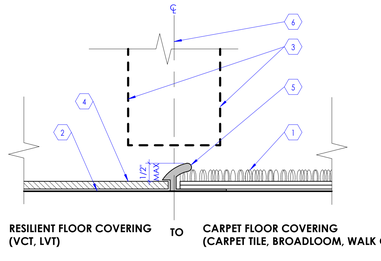
3. FILL GAP BETWEEN METAL TRANSITION STRIP AND WALL TILE ABOVE WITH CLEAR SILICON SEALANT

4. CONT. METAL TRANSITION STRIP.

5. SELF COVED SHEET VINYL FLOORING. SEE FINISH SCHEDULE.

6. EXISTING OR NEW CONCRETE SLAB ON GRADE.

1 Detail at Coved Sheet Vinyl Flooring and Wall Tile Above
SCALE: 6" = 1'-0"

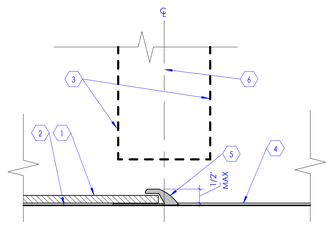


RESILIENT FLOOR COVERING (VCT, LVT) TO CARPET FLOOR COVERING (CARPET TILE, BROADLOOM, WALK OFF MAT)

KEYED NOTES

1. CARPET FLOOR COVERING AS OCCURS. SEE FINISH SCHEDULE.
2. LINE OF FLOOR.
3. DOOR AS OCCURS.
4. FLOOR COVERING (VINYL COMPOSITION TILE, LUXURY VINYL TILE, ETC. AS OCCURS). SEE FINISH SCHEDULE.
5. METAL TRANSITION STRIP. MODEL NUMBER LVT 130 IN ETCHED ALUMINUM BY FUTURA OR EQUIVALENT. ATTACH TRANSITION STRIP TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS.
6. CENTERLINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.

2 Floor Covering Transition Detail
SCALE: 1'2" = 1'-0"

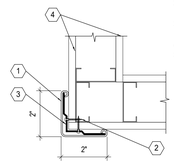


RESILIENT FLOOR COVERING (VCT, LVT, SHEET VINYL) TO FINISH SUBSTRATE (CONCRETE, GYPCRETE, WOOD)

KEYED NOTES

1. FLOOR COVERING (VINYL COMPOSITION TILE, LUXURY VINYL TILE, ETC. AS OCCURS). SEE FINISH SCHEDULE.
2. LINE OF FLOOR.
3. DOOR AS OCCURS.
4. LIQUID APPLIED FINISH (OPAQUE SEALER, CLEAR SEALER, ETC.). SEE FINISH SCHEDULE.
5. METAL TRANSITION STRIP. MODEL NUMBER LVT 405 IN ETCHED ALUMINUM BY FUTURA OR EQUIVALENT. ATTACH TRANSITION STRIP TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS.
6. CENTERLINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.

3 Floor Covering Transition Detail
SCALE: 1'2" = 1'-0"



KEYED NOTES

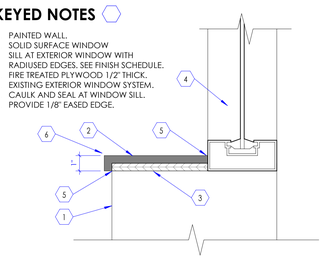
1. HIGH IMPACT ACRYLIC VINYL CORNER GUARD, 4'-0" HIGH ABOVE BASE. SEE FINISH SCHEDULE FOR DETAILS.

2. FASTENERS AT 16" O.C.

3. CONTINUOUS ALUMINUM RETAINER.

4. NEW WALL. SEE PLAN AND WALL SECTIONS FOR WALL TYPE.

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



KEYED NOTES

1. PAINTED WALL.
2. SOLID SURFACE WINDOW SILL AT EXTERIOR WINDOW WITH RADIUSED EDGES. SEE FINISH SCHEDULE.
3. FIRE TREATED PLYWOOD 1/2" THICK.
4. EXISTING EXTERIOR WINDOW SYSTEM.
5. CAULK AND SEAL AT WINDOW SILL.
6. PROVIDE 1/8" EASED EDGE.

5 Window Sill Detail
SCALE: 3" = 1'-0"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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NJRA Project # 19230.00
Construction Documents Feb 4, 2020

Finish Schedule & 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
	CEILING RETURN AIR GRILE W/ SOUND BOOT
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
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
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 1.25D 45° D D	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
12ø 12/12	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
BDD	BACK DRAFT DAMPER
ATC OR	ATC DAMPER
AD	ACCESS PANEL IN DUCT OR PLENUM
	HEATING OR COOLING COIL IN DUCT
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

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

PIPING

OR	SHUT OFF VALVE
OR	BALL VALVE
OR	CHECK VALVE
OR	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
0.0 GPM OR	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	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
OR	90° ELBOW
	45° ELBOW

PLUMBING

	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
(NAME)	FIXTURE FROM LEVEL ABOVE

FIRE

	HOSE VALVE
	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	FIRE RISER
	SPRINKLER HEAD
F	FIRE SPRINKLER WATER
	PREACTION SYSTEM VALVE

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
	PRESSURE MONITOR
(P)	PRESSURE MONITOR
(T)	THERMOSTAT

LINETYPES

	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHWR)
PC	PUMPED CONDENSATE
DWS	DIALYSIS WATER SUPPLY
DWR	DIALYSIS WATER RETURN
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
TW	TEMPID WATER
	VENT (SEWER)

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Intermountain Healthcare

Dialysis Clinic Expansion

400 East 2400 South
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents February 03, 2020

MECHANICAL SYMBOLS AND LEGEND

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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.
4. FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.

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. 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. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
6. 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.
7. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
8. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
9. LOCATE ALL VENTS MINIMUM 10' AWAY FROM AIR INTAKES.
10. INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
11. INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
12. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
13. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
14. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
15. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
16. ACCESS DOORS SHALL BE PROVIDED TO ALL WATER HAMMER ARRESTORS IN WALLS OR ABOVE CEILINGS.
17. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
18. 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.
19. LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24"X24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING.
20. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
21. 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 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. CONTRACTOR SHALL OFF-SET, TRANSITION AND PROVIDE CHANGES AS REQUIRED FOR COORDINATION WITH OTHER TRADES, TYPICAL.
9. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER.
10. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
11. PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK.
12. PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
13. WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
14. 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.
15. 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.
16. 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.
17. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
18. 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 BE ALLOWED TO DIFFUSERS OR GRILLS ABOVE HARD CEILINGS AND INSTALLED WITH A MUD RINGS. FLEX DUCT WILL BE REQUIRED IN AREAS ABOVE T-BAR CEILINGS.
19. 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.
20. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
21. ALL DIFFUSER, REGISTERS, AND GRILLES SHALL BE CD-1, RG-1, EG-1, SWE-1, OR SWR-1, UNLESS OTHERWISE NOTED.
22. MAX LENGTH OF INSULATED FLEX DUCT SHALL NOT EXCEED 5 FEET IN LENGTH.

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Tooele, Utah 84074

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Construction Documents February 03, 2020

MECHANICAL GENERAL NOTES

ME001

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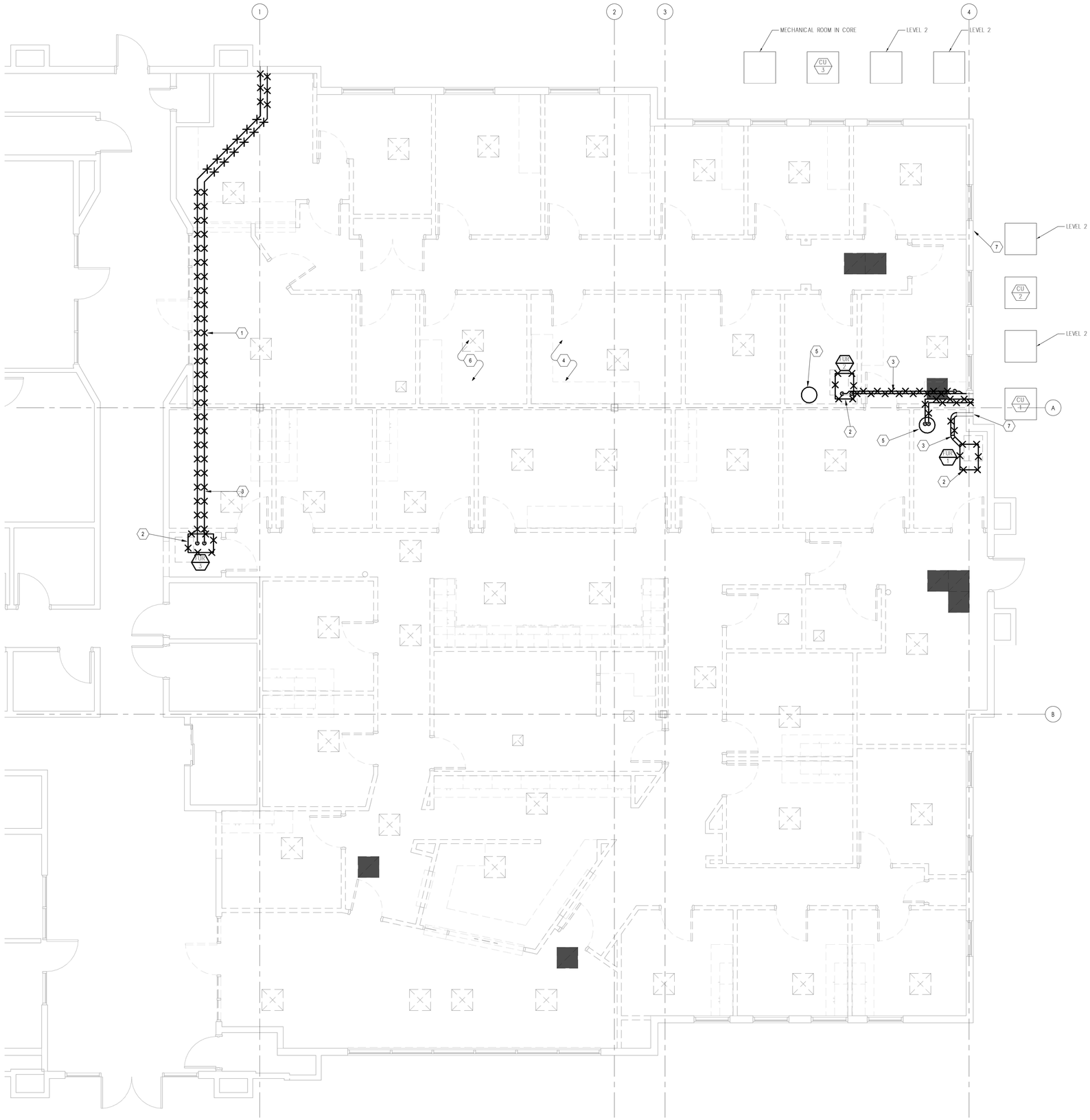

KEYED NOTES

1. EXISTING ELEMENTS SHOWN DARK AND INDICATED WITH AN "X" TO BE DEMOLISHED, TYPICAL.
2. RELOCATE EXISTING FURNACES.
3. EXISTING 4" VENT AND COMBUSTION AIR FOR FURNACES. WHERE VISIBLE UTILIZE EXISTING VENT AND COMBUSTION AIR.
4. DEMOLISH ALL EXISTING DUCTWORK.
5. DEMOLISH EXISTING WATER HEATERS.
6. FIELD VERIFY AND PROVIDE RED LINED DRAWINGS SHOWING REFRIGERATION LINES TO EXISTING UNITS SERVING SPACE IN SCOPE.
7. PATCH AND SEAL UNUSED EXTERIOR WALL PENETRATIONS.

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

NORTH

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LEVEL 1 MECHANICAL DEMOLITION PLAN

MD101

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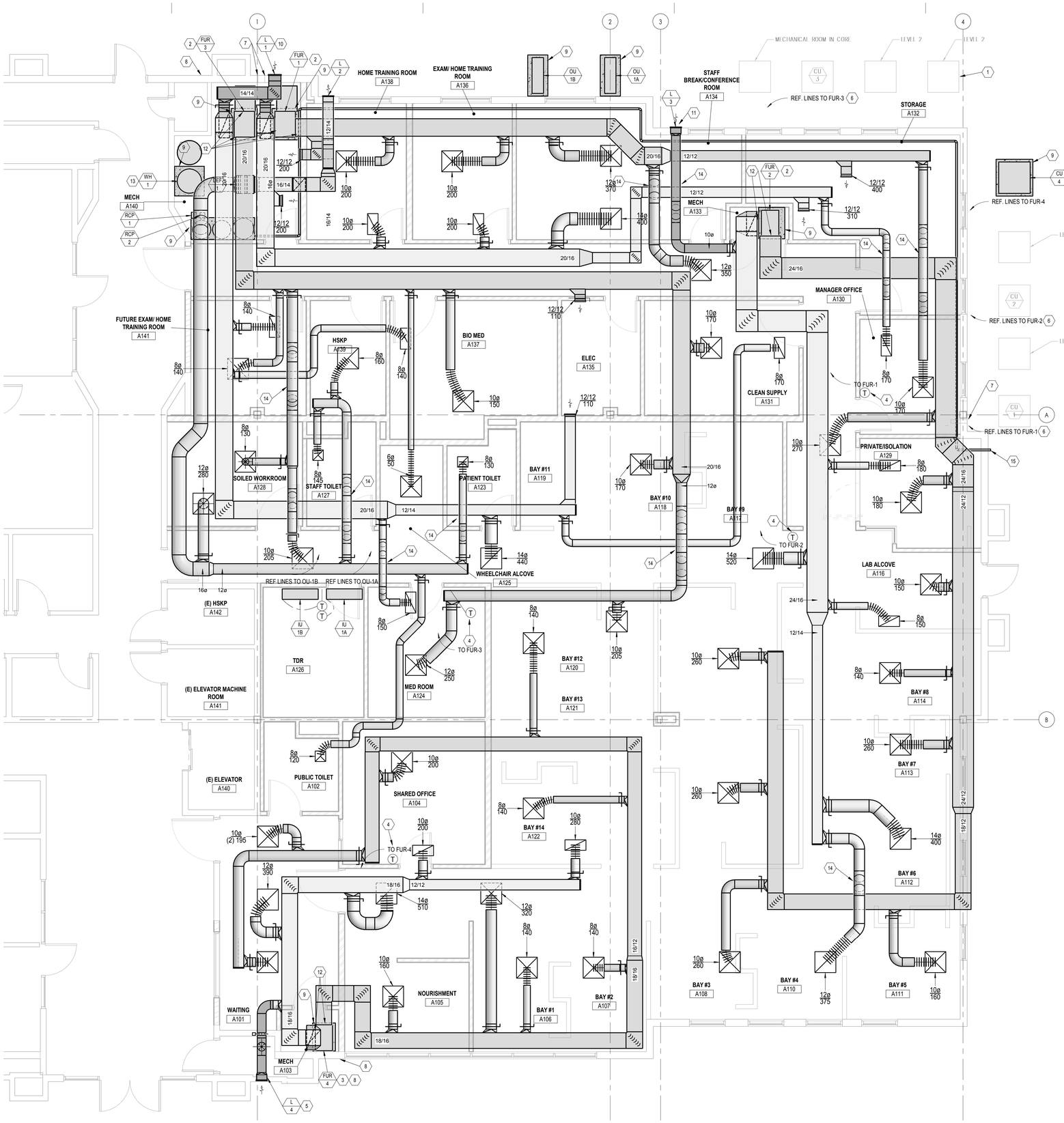

1 LEVEL 1 MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

NORTH

2/1/2020 10:59:02 AM

KEYED NOTES

1. EXISTING ELEMENTS SHOWN LIGHT TO REMAIN, TYPICAL.
2. RELOCATED EXISTING FURNACES.
3. NEW FURNACE.
4. PROVIDE NEW PROGRAMMABLE THERMOSTAT.
5. INSTALL OUTSIDE AIR LOUVER AND CONNECT TO RETURN SYSTEM WITH A 10 INCH ROUND DUCT TO FUR-4. INSTALL MANUAL DAMPER AND BALANCE TO 250 CFM. CONNECTION TO RETURN SYSTEM SHALL BE REASONABLY CLOSE TO THE FURNACE. ADJUST RETURN FROM EACH ROOM TO BALANCE OUTSIDE AIR.
6. RUN NEW REFRIGERANT LINES SETS FROM FURNACES TO CONDENSING UNITS. FIELD VERIFY WHICH CONDENSING UNITS SERVES EACH FURNACE BEFORE ANY DEMOLITION. INFORM ENGINEER OF ANY DISCREPANCIES ON THE DRAWINGS.
7. RECONNECT 4 INCH VENT AND COMBUSTION AIR TO NEW FURNACE LOCATION. REUSE EXISTING SYSTEM AS NECESSARY, TYPICAL.
8. INSTALL NEW 4 INCH VENT AND COMBUSTION AIR TO EXTERIOR. FOLLOW ALL MANUFACTURER RECOMMENDATIONS. INSTALL NEW VENT AND COMBUSTION AIR LOUVER ON EXTERIOR WALL.
9. PROVIDE 4 INCH THICK HOUSEKEEPING PAD.
10. INSTALL OUTSIDE AIR LOUVER AND CONNECT ONE 12 INCH ROUND DUCT TO THE RETURN AIR SYSTEM OF FUR-1 AND ONE 12 INCH DUCT TO THE RETURN AIR SYSTEM OF FUR-3. INSTALL MANUAL DAMPER IN EACH DUCT. BALANCE THE OUTSIDE AIR TO FUR -1 TO 410 CFM. BALANCE THE OUTSIDE AIR TO FUR-3 TO 445 CFM. CONNECTION TO RETURN SYSTEM SHALL BE REASONABLY CLOSE TO THE FURNACES. ADJUST RETURN FROM EACH ROOM TO BALANCE OUTSIDE AIR.
11. REPLACE EXISTING OUTSIDE AIR HOOD WITH LOUVER. CONNECT TO RETURN SYSTEM WITH A 12 INCH ROUND DUCT TO FUR-2. INSTALL MANUAL DAMPER AND BALANCE TO 315 CFM. CONNECTION TO RETURN SYSTEM SHALL BE REASONABLY CLOSE TO THE FURNACE. ADJUST RETURN FROM EACH ROOM TO BALANCE OUTSIDE AIR.
12. COORDINATE FINAL CONNECTION WITH FURNACE OPENINGS.
13. ROUTE WITH A 4 INCH CONCENTRIC VENT SET TO THE EXTERIOR WALL.
14. RISE DUCTWORK IN JOIST POCKET.
15. SALT LINE FOR WASTER SOFTENER. SYSTEM INSTALLED AND COORDINATED BY VENDOR.

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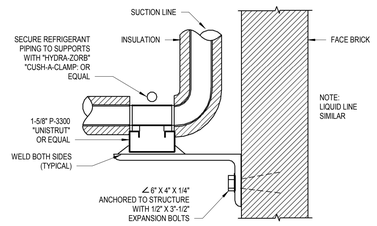
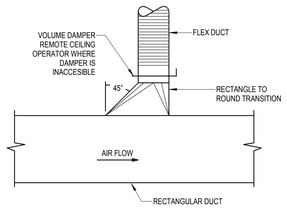
LEVEL 1 MECHANICAL PLAN

MH101



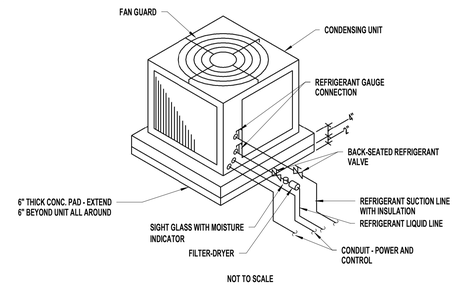
13 REFRIGERANT PIPE SUPPORT AT WALL

SCALE: 1½"=1'-0"



9 HIGH EFFICIENCY TAKE-OFF DETAIL

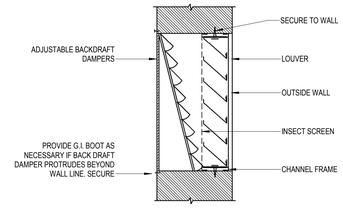
SCALE: 1½"=1'-0"



NOT TO SCALE

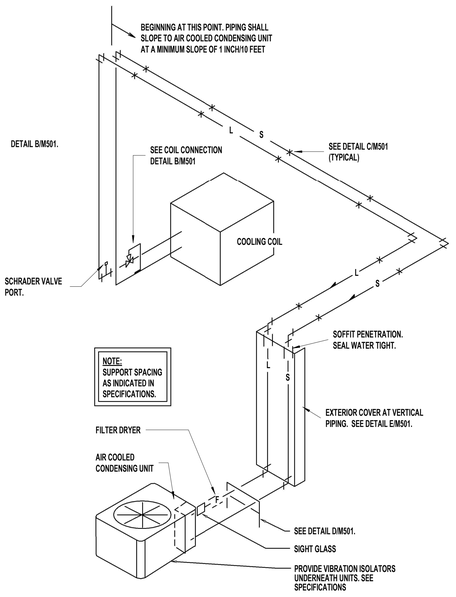
5 AIR-COOLED CONDENSING UNIT - SLAB MOUNTED AT GRADE

SCALE: 1½"=1'-0"



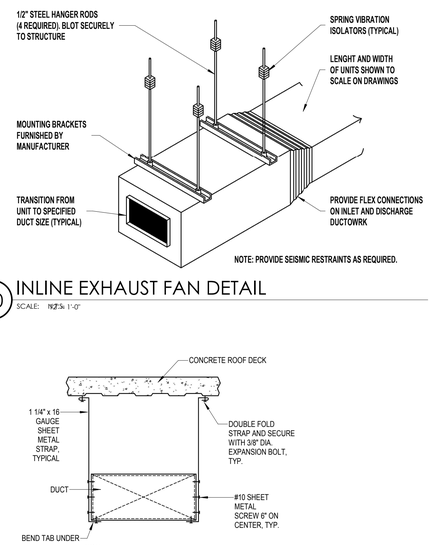
1 AIR LOUVER SECTION

SCALE: 1½"=1'-0"



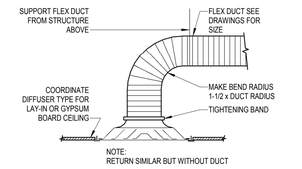
14 REFRIGERANT SCHEME

SCALE: 1½"=1'-0"



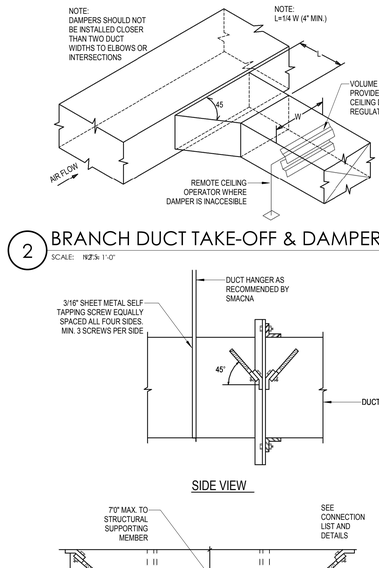
10 INLINE EXHAUST FAN DETAIL

SCALE: 1½"=1'-0"



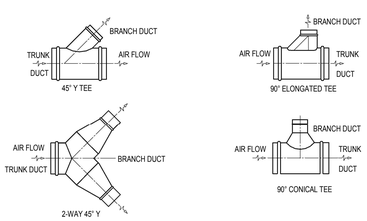
6 DIFFUSER CONNECTION DETAIL

SCALE: 1½"=1'-0"



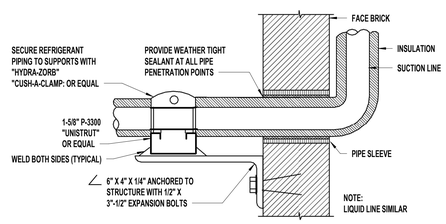
2 BRANCH DUCT TAKE-OFF & DAMPER DETAIL

SCALE: 1½"=1'-0"



15 ROUND DUCT BRANCH TAKE-OFF DETAILS

SCALE: 1½"=1'-0"

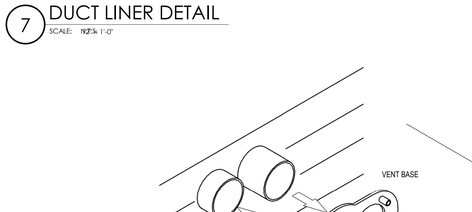


12 REFRIGERANT PIPE SUPPORT & PENETRATION AT WALL DETAIL

SCALE: 1½"=1'-0"

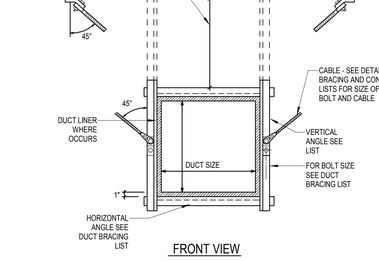
11 RECTANGULAR DUCT SUPPORT

SCALE: 1½"=1'-0"



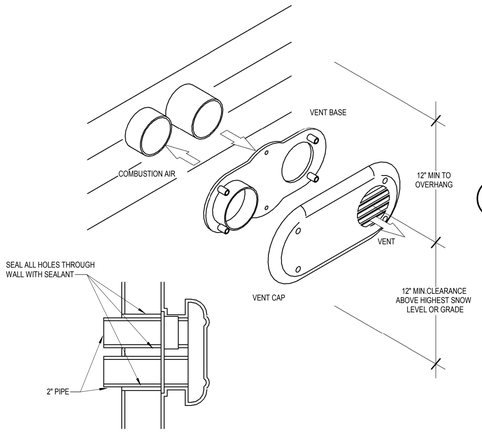
7 DUCT LINER DETAIL

SCALE: 1½"=1'-0"



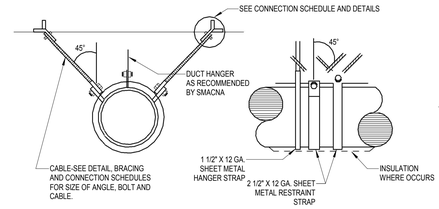
3 CABLE BRACING FOR RECTANGULAR DUCTS

SCALE: 1½"=1'-0"



8 FURNACE SIDE WALL VENT DETAIL

SCALE: 1½"=1'-0"



4 CABLE BRACING FOR ROUND AND OVAL DUCTS

SCALE: 1½"=1'-0"

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MECHANICAL DETAILS

MH501

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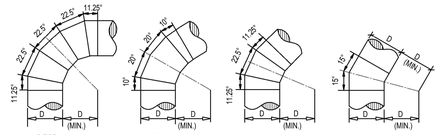
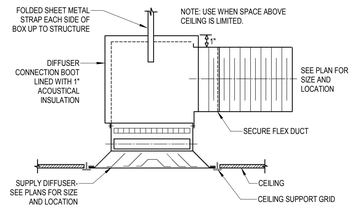


1 ROUND DUCT ELBOW DETAILS

SCALE: NTS 1'-0"



2 SUPPLY DIFFUSER W/ FLEX DUCT DETAIL

SCALE: NTS 1'-0"

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MECHANICAL DETAILS

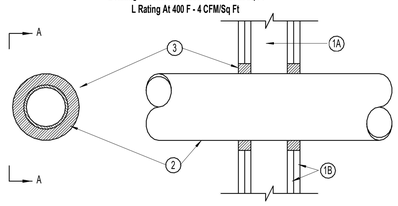
MH502

2/1/2020 10:59:06 AM

WL 1054

System No. W-L-1054

F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft



SECTION A-A

1. Wall Assembly -- The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* -- 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls.
   The F Rating of the firestop system is equal to the fire rating of the wall assembly.

2. Through-Penetrants -- One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe -- Nom 30 in diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe -- Nom 30 in. diam (or smaller) cast or ductile iron pipe.
   C. Conduit -- Nom 4 in diam (or smaller) steel electrical metallic tubing or 6 in. diam steel conduit.
   D. Copper Tubing -- Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe -- Nom 6 in. diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* -- Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC -- FS-One Sealant
   *Bearing the UL Classification Mark

Hilti Firestop Systems

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December 4, 2002

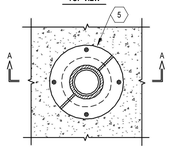
5 HILTI-W-L-1054
N.T.S.

UL/cUL C-BJ-1034

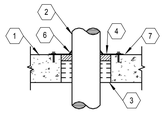
UL/cUL SYSTEM NO. C-BJ-1034

METALLIC PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

TOP VIEW



SECTION A-A



1. CONCRETE FLOOR OR WALL ASSEMBLY (4-HR FIRE RATING.
   A. KIGHTWEIGHT OR NORMA WEIGHT CONCRETE FLOOR (MIN 5-1/2" THICK)
   B.LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MIN 6" THICK)
   C.ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL
2. PENETRATING ITEM TO BE ANY ONE OF THE FOLLOWING:
   A. MAXIMUM 4" NORMAL DIAMETER STEEL PIPE (SCHEDULE 40 OR HEAVIER)
   B. MAXIMUM 4" NORMAL DIAMETER STEEL CONDUIT.
   C. MAXIMUM 4" NORMAL DIAMETER EMT.
3. MINIMUM 4" THICKNESS MINERAL WOOL (MIN 4 PCF DENSITY) TIGHTLY PACKAGED.
4. MINIMUM 1" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMU 18 GA. SHEET METAL COVER PLATE SECURELY ATTACHED WITH HILTI POWDER ACTIVATED FASTNERS (X-ZF 27 PINS)
6. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT AT INTERFACE BETWEEN COVERPLATE AND PIPE.
7. SEE NOTE NO. 3 BELOW.

NOTES: 1. MAXIMUM DIAMTER OF OPENING=10-1/2".
2. ANNULAR SPACE = MINIMUM 3/4". MAXIMUM 3".
3. PROVIDE A GENEROUS BEAD OF HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT ALONG EDGE OF COVER PLATE.
4. INSIDE DIAMETER OD STEEL PLATE SHOULD BE SAME AS PIPE OUTSIDE DIAMTER. OUTSIDE DIAMETER OF STEEL PLATE IS TO BE SIZED MINIMUM 1-1/2" LARGER THAN PERIPHERY OF OPENING.

FIRESTOP SYSTEMS

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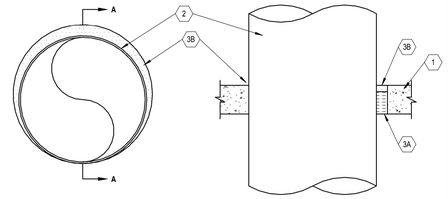
3 HILTI-C-BJ-1034
N.T.S.

CAJ 7084

System No. C-AJ-7084

F Rating - 2 Hr
T Rating - 0 Hr



SECTION A-A

1. Floor or Wall Assembly - Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 21-3/4 in.
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrant - Galv steel duct to be installed concentrically or eccentrically within the firestop system. The annular space between the duct and periphery of opening shall be 0 in. (point contact) and max 1-1/2 in. Duct to be rigidly supported on both sides of wall assembly.
   A. Spiral Wound HVAC Duct - Nom 20 in. diam (or smaller) No. 24 MSG (or heavier) galv steel spiral wound duct.
   B. Sheet Metal Duct - Nom 12 in. diam (or smaller) No. 28 MSG (or heavier) galv sheet steel duct.
3. Firestop System - The firestop system shall consist of the following:
   A. Packing Material - Min 3-1/2 in. thickness of min 4.0 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material*-Sealant - Min 1 in. thickness of fill material applied within annulus, flush with top surface of floor or both surfaces of wall assembly. At the point contact location between duct and periphery of opening, a min 1/2 in. diam bead of sealant shall be applied at the concrete/duct interface.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC - FS-ONE Sealant, CP601S Elastomeric Firestop Sealant, CP606 Flexible Firestop Sealant or CP 604 Self-Leveling Firestop Sealant.
   (Note: CP 604 Self-Leveling Firestop Sealant to be used on floor assemblies only.)
   *Bearing the UL Classification Mark

FIRESTOP SYSTEMS

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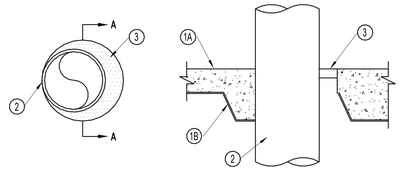
July 08, 2003

1 HILTI-C-AJ-7084
N.T.S.

FA 1014

System No. F-A-1014

F Rating — 2 Hr
T Rating — 0 Hr



SECTION A-A

1. Floor Assembly — The fire rated unprotected concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D900 Series designs in the UL Fire Resistance Directory and as summarized below:
   A. Concrete — Min 2-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete.
   B. Steel Floor and Form Units* — Composite or non-composite max 3 in. deep galv steel fluted units as specified in the individual Floor-Ceiling Design. Max diam of opening is 14-5/8 in.
2. Through Penetrants — One metallic tubing, pipe or conduit to be installed within the firestop system. Pipe, tubing or conduit to be rigidly supported on both sides of floor-ceiling assembly. The annular space between pipe, tubing or conduit and periphery of opening shall be min of 0 in. (point contact) to max 1-7/8 in. The following types and sizes of metallic pipes, tubing or conduit may be used:
   A. Steel Pipe — Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Conduit — Nom 4 in. diam (or smaller) steel electrical metallic tubing or nom 6 in. diam (or smaller) steel conduit.
   C. Copper Tube — Nom 6 in. diam (or smaller) Type L (or heavier) copper tube.
   D. Copper Pipe — Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.
3. Fill, Void or Cavity Materials*-Sealant — Min 1 in. thickness of sealant applied within annular space, flush with top surface of floor. At the point contact location, between pipe and concrete, a min 1/2 in. diam bead of fill material shall be applied at the concrete/pipe interface on the top surface of floor.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant
   *Bearing the UL Classification Mark

FIRESTOP SYSTEMS

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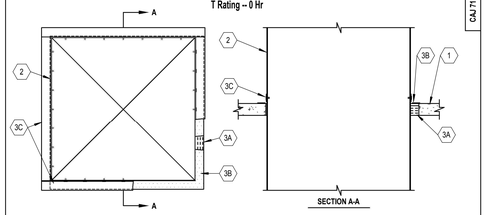
September 01, 2005

4 HILTI-F-A-1014
N.T.S.

CAJ 7111

System No. C-AJ-7111

F Rating -- 2 Hr
T Rating -- 0 Hr



SECTION A-A

1. Floor or Wall Assembly -- Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete floor or min 3 in. (76 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 7.1 sq ft (0.66 m2) with max dimension of 32 in. (813 mm).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Steel Duct -- Max 30 by 30 in. (762 by 762 mm) No. 24 gauge (or heavier) steel duct. One duct to be installed within the firestop system with a min 1/4 in. (6 mm) to max 1-3/4 in. (44 mm) annular space. Steel duct to be rigidly supported on both sides of floor or wall assembly.
3. Firestop System -- The firestop system shall consist of the following:
   A. Packing Material -- Min 2 in. (51 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* -- Sealant -- Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-One Sealant
   C. Steel Angle -- Min 2 in. (51 mm) wide by 2 in. (51 mm) high No. 16 gauge (or heavier) steel angle cut to fit the contour of the duct with a min 1/4 in. (6 mm) lap on the top surface of floor or on both surfaces of wall on all sides of the opening. Legs of angles secured to duct with No. 8 by 3/4 in. (19 mm) long steel sheet metal screws spaced max 4 in. (102 mm) OC.
   *Bearing the UL Classification Mark

FIRESTOP SYSTEMS

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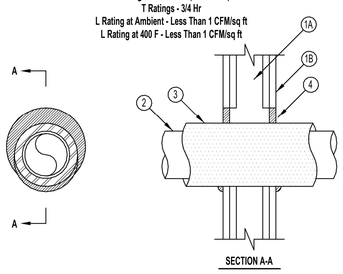
September 09, 2005

2 HILTI-C-AJ-7111
N.T.S.

WL 5028

System No. W-L-5028

F Ratings - 1 and 2 Hr (See Item 1)
T Ratings - 3/4 Hr
L Rating at Ambient - Less Than 1 CFM/sq ft
L Rating at 400 F - Less Than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
   B. Gypsum Board* — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 7-1/2 in. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrants — One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

   A. Steel Pipe — Nom 4 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.
   B. Copper Tubing — Nom 2 in. diam (or smaller) Type L (or heavier) copper tubing.
   C. Copper Pipe — Nom 2 in. diam (or smaller) Regular (or heavier) copper pipe.
3. Tube Insulation — Plastics+ — Nom 3/4 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. An annular space of min 0 in. (point contact) to max 1-1/2 in. is required within the firestop system.

See Plastics+ (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
The hour T Rating of the firestop system is dependent on the hourly fire rating of the wall assembly in which it is installed, the size and type of through penetrant and the pipe covering thickness, as shown in the table below:

Wall Assembly Hr Rating	Type +	Through Penetrant Max Diam In.
1	A	4
1	A, B, or C	2
2	A	4
2	A, B, or C	2

+Indicates penetrant type as itemized in Item 2.

4. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and gypsum wallboard, a min 1/2 in. diam bead of fill material shall be applied at the pipe covering/gypsum wallboard interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark.

Hilti Firestop Systems

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February 08, 2006

6 HILTI-W-L-5028
N.T.S.

2/1/2020 10:59:07 AM

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801.364.9259
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02.03.2020
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VBFA Project Number: 19605

Intermountain Healthcare

Dialysis Clinic Expansion

400 East 2400 South
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents February 03, 2020

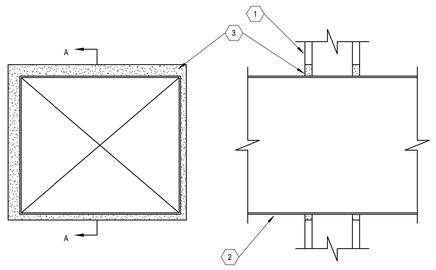
MECHANICAL DETAILS

MH503

System No. W-L-7096

F Rating - 1 Hr
T Rating - 0 Hr

WL 7096



SECTION A-A

1. Wall Assembly -- The 1 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs --Wall framing to consist of min 3-1/2 in. wide steel channel studs, fabricated from 25 MSG galv steel, spaced max 24 in. OC.
   B. Gypsum Board* --One layer of nom 5/8 in. thick gypsum board, as specified in the individual Wall and Partition Design. Max area of opening is 202 sq in. with max dimension of 15-1/4 in.
2. Steel Duct --Nom 12 in by 14 in. (or smaller) No. 24 gauge (or heavier) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min ¼ in. to max 1 in. Duct to be rigidly supported on both sides of the wall assembly.
3. Fill, Void or Cavity Material - Sealant* -- Min 5/8 in. thickness of fill material applied within annular space, flush with both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC -- FS-ONE Sealant
*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

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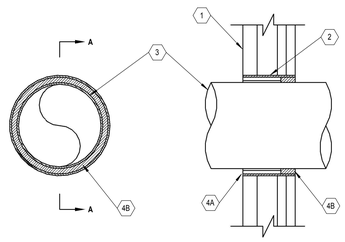
CLASSIFIED UL C US

System No. W-L-7068

F Ratings - 1 and 2 Hr (See Items 1 and 4)
T Rating - 0 Hr

WL 7068



SECTION A-A

HILTI FIRESTOP SYSTEMS

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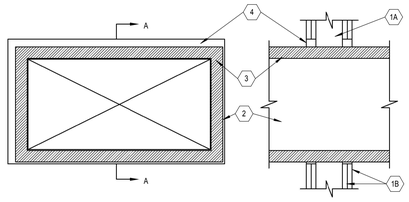
CLASSIFIED UL C US

System No. W-L-7059

F Ratings - 1 and 2 Hr
T Rating - 1/2 and 3/4 Hr

WL 7059



SECTION A-A

1. Wall Assembly The 1 or 2 fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 Series or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs Wall framing shall consist of channel studs. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. The opening in the wl to accommodate the steel duct (item 2) shall be framed on all sides using lengths of studs installed between the vertical studs and attached to the studs at each end. The framed opening in the wall shall be a nom 6 in. wide and 12 in. or higher than the width and height of the steel duct.
   B. Wallboard, Gypsum* 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in teh individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max area of opening is 395 sq. in. with max dimensions of 26-3/4 in. for steel studs.

HILTI FIRESTOP SYSTEMS

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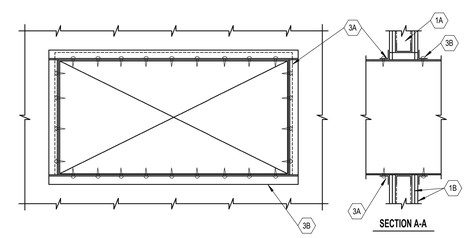
CLASSIFIED UL C US

System No. W-L-7040

F Ratings — 1 and 2 Hrs (See Items 1 and 3)
T Rating — 0 Hr

WL 7040



SECTION A-A

1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. Additional framing members shall be used to completely frame around opening.
   B. Gypsum Board* — Nom 5/8 in. thick with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number. Max area of opening is 1300 in. with the dimension of 50 in. The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Duct — Nom 24 in. by 48 in. (or smaller) No. 24 gauge (or heavier) galv steel duct to be installed within the firestop system. The annular space shall be min 0 (point contact) in. to a max 2 in. Duct to be rigidly supported on both sides of the wall assembly.
3. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material*—Sealant — Min 5/8 in. thickness of fill material applied within annulus flush with both surfaces of wall. At point contact location, a min 1/2 in. diam bead of fill material shall be applied to the wall/duct interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, CP601S Elastomeric Firestop Sealant or CP606 Flexible Sealant.
   B. Steel Retaining Angle — No. 18 MSG (0.048 in.) galv steel angles cut to fit contour of duct with a 2 in. overlap on the duct and a min 1 in. overlap on the gypsum board assembly on both sufaces of wall. 2 in. leg of angle secured to duct with min No. 8 by 3/4 in. long sheet metal screws, spaced a max of 6 in. OC. When bead of fill material is used at joint contact locations, angles shall be installed prior to full material curing.

*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

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CLASSIFIED UL C US

System No. W-L-7068

F Ratings - 1 and 2 Hr (See Items 1 and 4)
T Rating - 0 Hr

WL 7068

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

   A. Studs — "C-T" shaped studs -1-5/8 in. wide by 2-1/2 in. deep, fabricated from 25 MSG galv steel, spaced max 24 in. OC.
   B. Gypsum Board* — One layer of nom 1in. thick, 24 in. wide gypsum liner and one or two layers of nom 5/8 in. thick, 4 ft. wide gypsum board with square or tapered edges. The gypsum board type, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 7 in.

1A. Wall Assembly — As an alternate to the above wall assembly, the 1 or 2 Hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 7 in.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Metallic Sleeve — Max 7 in. diam cylindrical sleeve fabricated from min 0.016 in. thick (28 gauge) galv sheet steel and having a min 1 in. lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the opening and releasing the coil to let it uncoil against the circular cutouts in the gypsum board layers. Sleeve may also be formed of No. 8 steel wire mesh having a min 1 in. lap along the longitudinal seam.

3. Steel Duct — Nom 6 in. diam (or smaller) No. 28 gauge (or heavier) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 1/4 in. to max 3/4 in. Duct to be rigidly supported on both sides of the wall assembly.

4. Firestop System — The firestop system shall consist of the following:

   A. Packing Material — Min 2-1/8 or 2-3/4 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into sleeve on one side of the wall as a permanent form for 1 and 2 hr walls, respectively. Packing material to be recessed from the room side of wall as required to accommodate the required thickness of fill material. In alternate wall assembly, packing material to be flush with either side of the wall and recessed from the other side of the wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material — Sealant* — Min 1 in. thickness of fill material applied within opening, flush with one surface of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

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CLASSIFIED UL C US

System No. W-L-7059

F Ratings - 1 and 2 Hr
T Rating - 1/2 and 3/4 Hr

WL 7059

2. Steel Duct Nom 24 in. by 12 in. (or smaller) 24 guage (or heavier) steel duct. to be installed eccentrically within the opening. the annular space shall be min 1 in. to max 1-3/4. Duct to be rigidly supported on both sides of the wall assembly.
3. Batt and Blanket* - Max 1-1/2 thick glass fiber batt or blankett (min. 3.4 pcf) jacketed on the outside with a foil-scrim-kraft facing, compressed 50% such that the annular space within the firestop system shall be min 1/4 in. to max 1 in. See Batts and Blankets (BKNV) category in the Building Materials Directory for names manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a smoke Developed Index 50 or less may be used.
4. Fill, Void or Cavity Material* - Sealant Min 5/8 in. or 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall for 1 or 2 hr walls, respectively. If voids develops after the fill material cures, the voids shall be sealed with additional fill material.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC - FS-One Sealant
*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

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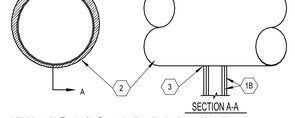
CLASSIFIED UL C US

System No. W-L-7042

F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr

WL 7042



SECTION A-A

1. Wall Assembly The 1 or 2 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.
   A. Studs Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced 24 in. OC.
   B. Gypsum Board* For 1 hr assembly, one layer of min 5/8 in. thick wallboard as required in the individual Wall and Partition Design. For 2 hr assembly, two layers of min 5/8 in. thick wallboard as required in the individual Wall and Partition Design. Max diam of opening is 14-1/2 in. for wood stud walls and 21-3/4 for steel stud walls.

   The hourly F and T Ratings of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrant Galv steel duct to be installed concentrically or eccentrically within the firestop system. The annular space between the duct and periphery of opening shall be 0 in. (point contact) and max 1-1/2 in. Duct to be rigidly supported on both sides of wall assembly.
   A. Spiral Wound HVAC DuctNom 20 in. diam (or smaller) No. 24 MSG (or heavier) galv steel spiral wound duct.
   B. Sheet Metal Duct Nom 12 in. diam (or smaller) No. 28 MSG (or heavier) galv sheet steel duct.
3. Fill, Void or Cavity Material*--Sealant Min 5/8 in. and 1-1/4 in. thickness of fill material applied within annulus, flush with both surfaces of wall assembly for 1 or 2 hr rated walls, respectively. At the point contact location between duct and wallboard, a min 1/2 in. diam bead of sealant shall be applied at the wallboard/ duct interface on both surfaces of wall assembly.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC - CP601S Elastomeric Firestop Sealant, FS-ONE Sealant or CP606 Flexible Firestop Sealant
*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

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CLASSIFIED UL C US

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VBFA Project Number: 19605

Intermountain Healthcare

Dialysis Clinic Expansion

400 East 2400 South
Tooele, Utah 84074

NJRA Project # 19230.00
Construction Documents February 03, 2020

MECHANICAL DETAILS

MH504

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PROJECT SCHEDULE

NAME	LOCATION	OUTSIDE AIR HEATING SEASON DB/RH (°F/%)	OUTSIDE AIR COOLING SEASON DB/WB (°F)	ALTITUDE (FT)	NOTES
DIALYSIS CLINIC EXPANSION	TOOELE, UT	0/72	97/62	5043	

AIR-COOLED CONDENSING UNIT SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	TYPE	REFRIG.	LOAD (TONS)	AIR AMBIENT ENTERING TEMP. DB/WB (°F)	ELECTRICAL TOTAL MCA	ELECTRICAL COND UNIT AND CONTROL CIRCUIT VOLT/PH/HZ	NOTES
CU-1	YORK TCGD060S41S1C	SCREW	R-410A	4.1	97/62	34.3		1
CU-2	YORK TCGD060S41S1A	SCREW	R-410A	4.1	97/62	34.3		1
CU-3	YORK TCGD060S41S1A	SCREW	R-410A	3.4	97/62	34.3		1
CU-4	YORK TCGD060S41S1A	SCREW	R-410A	3.4	97/62	34.3	208/1/60 N/A	

1. EXISTING TO REMAIN EQUIPMENT

EXHAUST AIR FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	QUAN.	TYPE	AIR MAXIMUM AIRFLOW RATE (CFM)	AIR STATIC PRESSURE (IN. H2O)	FAN MAX AIR TEMP. (°F)	FAN SPEED (RPM)	FAN WHEEL DIA. (IN)	ELECTRICAL STATIC EFFICIENCY (%)	ELECTRICAL MOTOR SIZE (HP)	ELECTRICAL MOTOR BHP (HP)	ELECTRICAL MOTOR SPEED (RPM)	ELECTRICAL VOLT/PH/HZ	PHYSICAL LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
DEF-1	COOK 135SQN17D OR92 (VF)	LEVEL 1	1	INLINE, SQUARE CENTRIF, DIRECT	1005	0.66	75	1551	13.5	37	0.5	0.287	1725	120/1/60	22.3/22.3/22.3	1-3

1. PROVIDE WITH BACK DRAFT DAMPER
2. OVERLOAD PROTECTION. DISCONNECT SWITCH. VIBRATION ISOLATION AND FLEXIBLE CONNECTIONS.
3. PROVIDE FAN WITH EC MOTOR AND SPEED CONTROLLER.

NATURAL GAS FURNACE SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	USAGE	AIR AIRFLOW RATE (CFM)	AIR LOAD (BTU/H)	AIR SENSIBLE LOAD (BTU/H)	AIR ENTERING TEMP. DB/WB (°F)	AIR LEAVING TEMP. DB/WB (°F)	AIR EXTERNAL STATIC PRESSURE (IN. H2O)	HEATING MINIMUM INPUT LOAD (BTU/H)	COOLING REFRIG.	ELECTRICAL CIRCUIT (AMP)	ELECTRICAL VOLT/PH/HZ	PHYSICAL LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
FUR-1	YORK TG9S120D20MP11	LEVEL 1	CONDENSING, UP, SIDE	HEATING	1890	79100	-----	54.8/46.3	100.7/62.8	0.25	98900	-----	17.9	120/1/60	29.5/23.4/33	1-2
				COOLING	1890	48700	45500	79.8/59.4	52/48.7	0.25	-----	R-410A				
FUR-2	YORK TG9S080C22MP11	LEVEL 1	CONDENSING, UP, SIDE	HEATING	1940	66300	-----	58.6/48.6	96.3/61.9	0.25	82800	-----	17.9	120/1/60	29.5/20/33	1-2
				COOLING	1940	49100	44800	78.6/59.2	52/48.7	0.25	-----	R-410A				
FUR-3	YORK TG9S120D20MP11	LEVEL 1	CONDENSING, UP, SIDE	HEATING	1560	50300	-----	50/43.3	85/57	0.25	62900	-----	17.9	120/1/60	29.5/23.4/33	1-2
				COOLING	1560	41100	39500	81.3/59.6	52/48.7	0.25	-----	R-410A				
FUR-4	YORK TG9S120D20MP11	LEVEL 1	CONDENSING, UP, SIDE	HEATING	1630	44400	-----	59.3/48.9	89.4/59.8	0.25	55500	-----	17.9	120/1/60	29.5/23.4/33	1
				COOLING	1630	41200	37400	78.4/59.1	52/48.7	0.25	-----	R-410A				

1. PROVIDE WITH PROGRAMMABLE THERMOSTAT.
2. EXISTING TO REMAIN EQUIPMENT

DIFFUSERS, REGISTERS, AND GRILLES

DIFFUSER CALLOUT	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	PRICE	SPD	30	SQUARE PLAQUE FACE CEILING DIFFUSERS: REMOVABLE FACE. FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MOUNT AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. HARD LID CEILING TO BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH LAY-IN PLASTER FRAME. FINISH AS SELECTED BY ARCHITECT.
EG-1	PRICE	PDDR	30	PERFORATED GRILLE: FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MOUNT AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH LAY-IN PLASTER FRAME. FINISH AS SELECTED BY ARCHITECT.
RG-1	PRICE	PDDR	30	PERFORATED GRILLE: FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MOUNT AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 24"X12". HARD LID CEILING TO BE 24"X24" OR 12"X24" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH LAY-IN PLASTER FRAME. FINISH AS SELECTED BY ARCHITECT.
SWR-1	PRICE	630	30	ALUMINUM RETURN/EXHAUST GRILLE: GRILLES SHALL BE 45 DEGREE DEFLECTION FIXED LOUVER WITH 3/4 IN. ON CENTER SPACING, BLADES SHALL RUN PARALLEL TO THE LONG DIMENSION. FINISH AS SELECTED BY ARCHITECT.
SWS-1	PRICE	610	30	ALUMINUM SUPPLY AIR GRILLE: DOUBLE DEFLECTION BLADES WITH 3/4 IN. ON CENTER SPACING, 1-1/4" FLAT SURFACE MOUNTING FRAME FRONT BLADES PARALLEL TO SHORT DIMENSION. FINISH AS SELECTED BY ARCHITECT.

VRF SCHEDULE

INDOOR UNIT ID	MANUFACTURER/ AND MODEL NUMBER	LOCATION	CORRECTED COOLING SENSIBLE CAPACITY (BTU/H)	MAX CFM	DIMENSIONS W" x H" x D"	WEIGHT (LBS.)	AMPS (MCA)	VOLTS/PH/HZ.	OUTDOOR UNIT ID	MANUFACTURER/ AND MODEL NUMBER	LOCATION	CORRECTED COOLING CAPACITY (BTU/H)	DIMENSIONS W"/ H"/ D"	WEIGHT (LBS.)	AMPS (MCA)	VOLTS/PH/HZ.	REFRIGERANT LINES LIQUID	REFRIGERANT LINES GAS	NOTES
IU-1A	MITSUBISHI PKA-A36KA7	TDR (A126)	30,463	920	41/14/12	55	POWERED BY OUTDOOR	208/1/60	OU-1A	MITSUBISHI PUY-A36NKA7	ROOF	33143	41/52/13	255	25	208/1/60	5/8	3/8	1,2,3,4,5,6
IU-1B	MITSUBISHI PKA-A36KA7	TDR (A126)	30,463	920	41/14/12	55	POWERED BY OUTDOOR	208/1/60	OU-1B	MITSUBISHI PUY-A36NKA7	ROOF	33143	41/52/13	255	25	208/1/60	5/8	3/8	1,2,3,4,5,6

1. CAPACITIES RATED AT THE FOLLOWING OUTDOOR CONDITIONS: COOLING - 95 DEG. F. D.B., 75 DEG. F. W.B.
2. CAPACITIES RATED AT THE FOLLOWING INDOOR CONDITIONS: COOLING - 80 DEG. F. D.B., 67 DEG. F. W.B.
3. PROVIDE LOW AMBIENT HEAD CONTROLLER TO ALLOW COOLING OPERATION DOWN TO 0 DEG. F. D.B.
4. R410A REFRIGERANT.
5. WIRELESS REMOTE CONTROLLER. PROVIDE WALL MOUNTED HOLDER.
6. PROVIDE ACCESSORY CONDENSATE PUMP FOR INDOOR UNIT.

EXHAUST AIR LOUVER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR MAXIMUM AIRFLOW RATE (CFM)	AIR STATIC PRESSURE (IN. H2O)	PHYSICAL WIDTH/ HEIGHT/ THICKNESS (IN)	NOTES
L-2	RUSKIN ELF375DX	LEVEL 1	STATIONARY	1005	0.1	18/18/4	1

1. COLOR TO MATCH EXISTING BUILDING. COORDINATE EXACT COLOR WITH ARCHITECT.

INTAKE AIR LOUVER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR MAXIMUM AIRFLOW RATE (CFM)	AIR STATIC PRESSURE (IN. H2O)	PHYSICAL WIDTH/ HEIGHT/ THICKNESS (IN)	NOTES
L-1	RUSKIN ELF375DX	LEVEL 1	STATIONARY	855	0.1	18/18/4	1
L-3	RUSKIN ELF375DX	LEVEL 1	STATIONARY	315	0.1	12/12/4	1
L-4	RUSKIN ELF375DX	LEVEL 1	STATIONARY	250	0.1	12/8/4	1

1. COLOR TO MATCH EXISTING BUILDING. COORDINATE EXACT COLOR WITH ARCHITECT.

DUCT - MINIMUM INSULATION R-VALUE

SERVICE	TEMPERATURE RANGE (OF)	R-VALUE	NOTES
SUPPLY & RETURN DUCT - INDOORS	50+	5	1,2,3
SUPPLY & RETURN DUCT - OUTDOORS	50+	12	1,2,3

1. INDOOR RETURN DUCTS WITH A THEMPERATURE DIFFERENCE OF 15 DEGREES OR LESS TO AMBIENT REQUIRE DUCT LINER FOR NOISE CONTROL ONLY.
2. OUTDOOR DUCTS INCLUDE ALL DUCTS EXPOSED TO OUTSIDE AIR.
3. WHERE SCHEDULED R-VALUE DIFFERS FROM SPECIFICATIONS THE THICKER DIMENSION SHALL BE USED

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NJRA Project # 19230.00
Construction Documents February 03, 2020

MECHANICAL SCHEDULES

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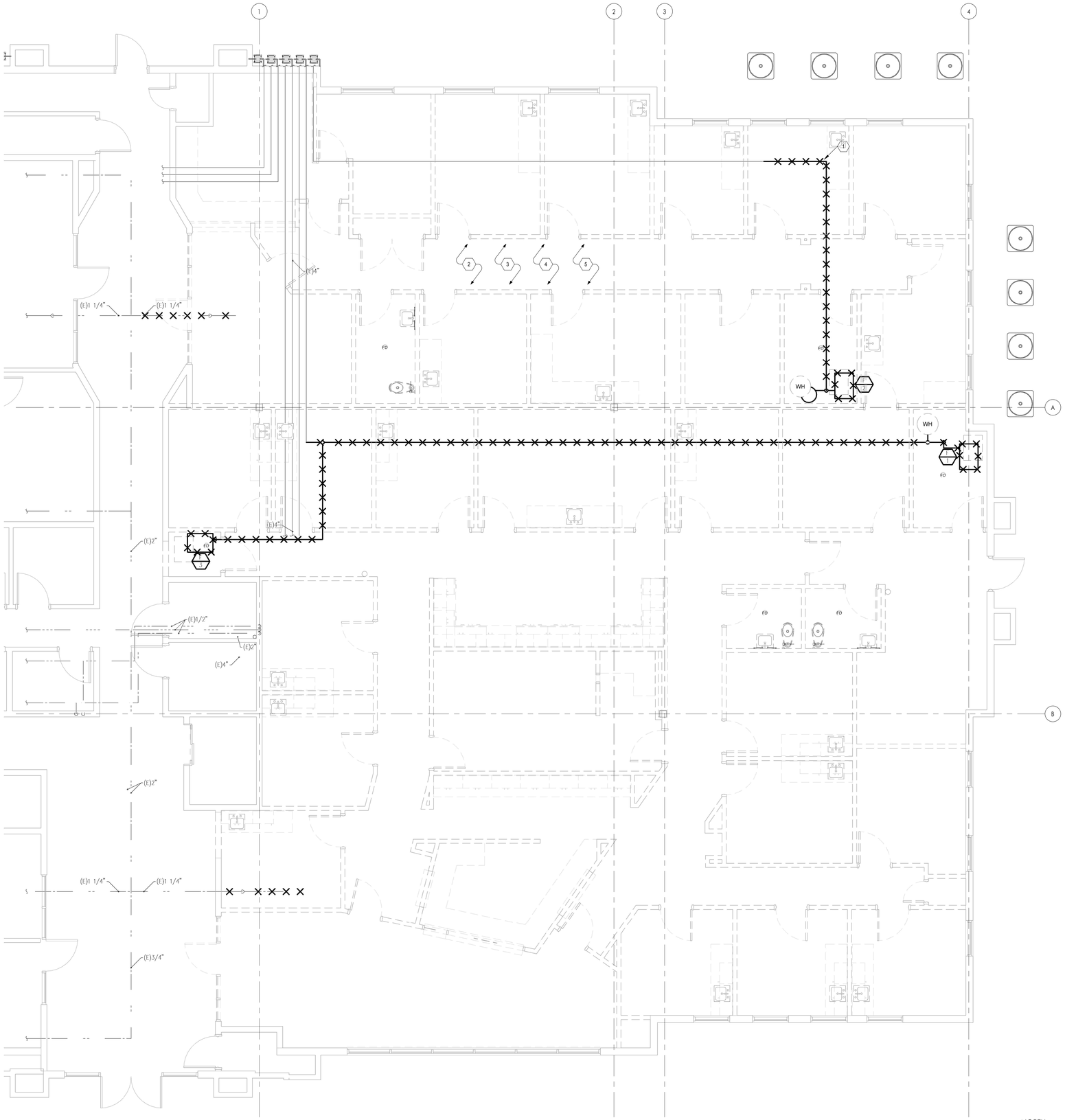

1 LEVEL 1 PLUMBING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

NORTH

KEYED NOTES

1. EXISTING ELEMENTS SHOWN DARK AND INDICATED WITH AN "X" TO BE DEMOLISHED, TYPICAL.
2. DEMOLISH ALL DOMESTIC WATER LINES BACK TO MAIN.
3. DEMOLISH ALL VENT LINES.
4. DEMOLISH ALL WASTE LINES. CUT BELOW CONCRETE AND CAP. PATCH FLOOR.
5. DEMOLISH ALL FIRE SPRINKLER PIPING BACK TO MAIN.

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LEVEL 1
PLUMBING
DEMOLITION
PLAN

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