Intermountain Health

Intermountain Life Flight
Life Flight Simulator

2284 160 N
Salt Lake City, UT 84116

Construction Documents

IH PROJECT #: 10017913

NOTES ON VENDOR SUPPLIED EQUIPMENT INSTALLATION

EQUIPMENT DOCUMENTATION AND LITERATURE FOR THE VARIOUS SIMULATOR EQUIPMENT (MOOG MOTION BASE, LEONARDO FLIGHT SIMULATOR, AND MARHSALL INTEGRATION) HAVE BEEN INCLUDED FOR COORDINATION PURPOSES. INTERMOUNTAIN HEALTH SHALL PAY MOOG, LEONARDO AND MARSHALL FOR THEIR CONSTRUCTION WORK. THE GENERAL CONTRACTOR THEIR SUBCONTRACTORS SHALL COORDINATE WITH THE SITE PREPARATION SPECIFICATIONS **INCLUDED IN THE PROJECT MANUAL** AND PROVIDE REQUIRED WORK SCHEDULING AND COORDINATION WITH VENDORS DURING CONSTRUCTION. ANY ITEMS MENTIONED AS, "PROVIDED OTHERS" (OR WHERE A PROVISION IS TO SUPPLIED BY THE VENDOR IS NOT EXPLICITLY INDICATED) IN THE VENDORS' LITERATURE SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AND THEIR SUBCONTRACTORS. IF THERE IS ANY CLARIFICATION REQUIRED, CONTRACTORS SHALL CHECK WITH THE A/E DESIGN TEAM DURING THE BIDDING PHASE. ANY WORK REQUIRED BY EQUIPMENT VENDORS, AND LISTED IN VENDORS' DRAWINGS AS "BY OTHERS" THAT IS OMITTED BY THE GENERAL CONTRACTOR AND THEIR SUBCONTRACTORS IN THEIR ORIGINAL BIDS MUST BE PROVIDED AT NO COST TO THE OWNER.

CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ANY WASTE OR PACKAGING, IN ACCORDANCE WITH THE SPECIFICATIONS, GENERATED BY THE OWNER'S EQUIPMENT VENDORS AS IT RELATES TO EQUIPMENT PACKAGING AND INSTALLATION UNLESS NOTED OTHERWISE IN THE INDIVIDUAL VENDORS' DRAWINGS. COORDINATE WITH EACH VENDOR FOR PACKAGING TO BE DISPOSED.

DESIGN TEAM

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LICENSED ARCHITECT

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NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

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.

PROJECT DESCRIPTION

PROJECT DESCRIPTION:
THIS PROJECT INVOLVES THE CONSTRUCTION OF A LIFE FLIGHT SIMULATION SPACE FOR INTERMOUNTAIN LIFE FLIGHT LOCATED INSIDE AN EXISTING SECURE AIRCRAFT HANGAR. THE SCOPE INCLUDES TWO SEPARATE SIMULATION ROOMS FOR MEDICAL AIRCRAFT SIMULATION AND A FLIGHT SIMULATOR. BOTH SIMULATION MODULES ARE CONSTRUCTED WITHIN A SINGLE ENVELOPE IN THE EXISTING HANGAR ENVELOPE, INTEGRATING POWER, COMMUNICATIONS, AND SAFETY SYSTEMS WHILE MAINTAINING ALL CURRENT SECURITY PROTOCOLS AND OPERATIONAL REQUIREMENTS OF THE FACILITY. EXISTING MEANS OF EGRESS AND OCCUPANT LOADS REMAIN UNCHANGED. HEAT PUMPS WILL BE MOUNTED ON THE ROOF OF THE EXISTING HANGAR BUT THE EXTERIOR ENVELOPE OF THE EXISTING HANGAR IS OTHERWISE NOT MODIFIED.

APPROVALS

Approvers Name, Title	Date
Approvers Name, Title	Date
Approvers Name, Title	Date
Approvers Name, Title	Date

VICINITY MAP

ABBREVIATIONS

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

DEFERRED SUBMITTALS

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

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

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

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

SPECIAL INSPECTIONS

DEFINITIONS

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

DRAWING INDEX

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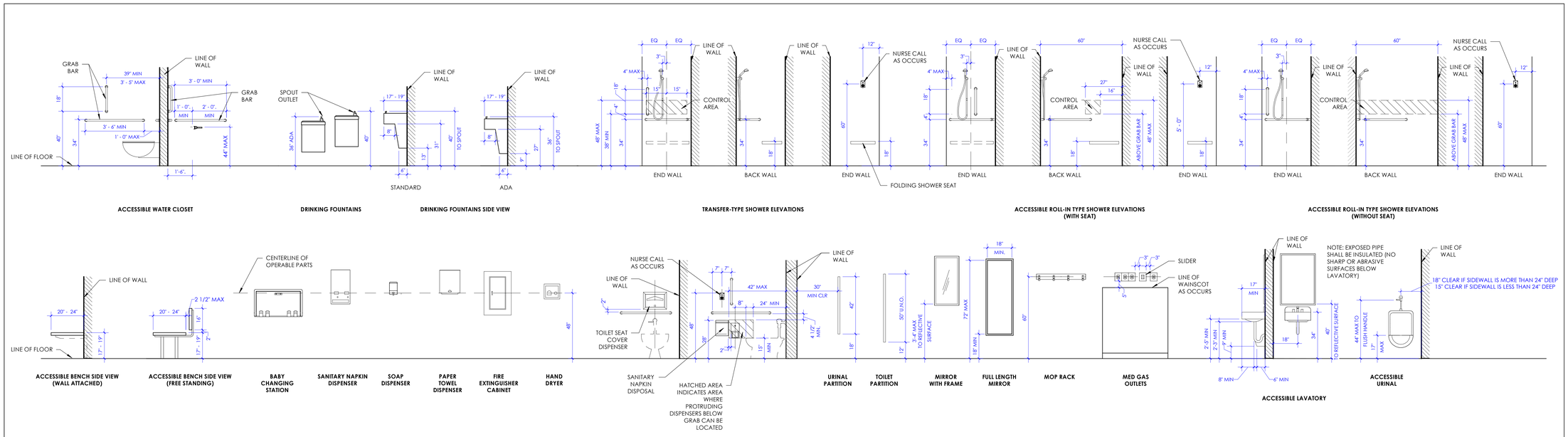

1 Typical Mounting Heights

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

BUILDING SECTION

SHEET WHERE DRAWN

WALL SECTIONS

SECTION TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

WALL SECTION

SHEET WHERE DRAWN

DETAIL TAGS

DETAIL NUMBER

SHEET WHERE DRAWN

DETAIL TAGS

DETAIL NUMBER

SHEET WHERE DRAWN

EXTERIOR ELEVATION TAGS

TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS AND KEY PLAN

EXTERIOR ELEVATION NUMBER

SHEET WHERE DRAWN

INTERIOR ELEVATION TAGS

TAGS ARE INDICATED ON FINISH FLOOR PLANS

INTERIOR ELEVATION NUMBER

SHEET WHERE DRAWN

ROOM TAG

ROOM NAME

DENOTES OCCUPANT LOAD IN CODE COMPLIANCE PLANS.

ROOM COUNT DESIGNATION

DENOTES ROOM AREA OF 155 SQUARE FEET

ROOM NUMBER, LETTER "A" IN THE ROOM NUMBER DENOTES "AREA A" IN THE PROJECT, NUMBER "3" DENOTES "FLOOR LEVEL 3", NUMBER "24" DENOTES ROOM NUMBERING SEQUENCE IN THE PROJECT AREA.

DATUM POINT TAG

CEILING HEIGHT TAG

B.O.C. BOTTOM OF CEILING
B.O.H. BOTTOM OF HEADER

HEIGHT ABOVE FINISH FLOOR

SPOT ELEVATION

DENOTES BUILDING REFERENCE ELEVATION

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

VERTICAL ELEVATION

DENOTES FLOOR LEVEL

DENOTES BUILDING REFERENCE ELEVATION

CENTER LINE

FLOW ARROW

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

FLOOR PLAN MATCHLINE

DETAIL LOCATION NUMBER

SHEET WHERE DRAWN

MATCHLINE

REVISION TAG

CLOUD INDICATES DRAWING REVISION AREA

REVISION NUMBER

KEYED NOTES - PROJECT SPECIFIC

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

DIVISION #

DIVISION NOTE

KEYED NOTES - GENERIC

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

WALL TAG

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

DOOR TAG

DOOR TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

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

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

WINDOW TAG

WINDOWS TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

FLOOR FINISH TAG

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

WALL BASE TAG

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

WALL FINISH TAG

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

CEILING FINISH TAG

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

OTHER FINISH TAG

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

MS1 MM WP1 PL1 WC1 AC1

CABINET TAG

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

SIGN TAG

TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE SIGN TYPE DETAIL -/---

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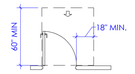
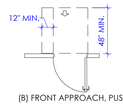
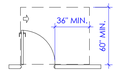
DOORS AND DOORWAYS



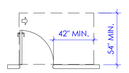
(A) FRONT APPROACH, PULL SIDE



(B) FRONT APPROACH, PUSH SIDE

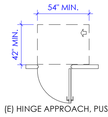


(C) HINGE APPROACH, PULL SIDE

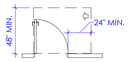


(D) HINGE APPROACH, PULL SIDE

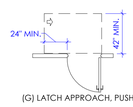
FIG. 404.2.4.1



(E) HINGE APPROACH, PUSH SIDE

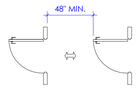


(F) LATCH APPROACH, PULL SIDE

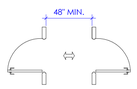


(G) LATCH APPROACH, PUSH SIDE

MANEUVERING CLEARANCE AT SWINGING DOORS



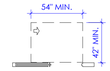
(A)



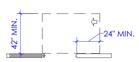
(B)

FIG. 404.2.6
TWO DOORS IN A SERIES

(A) FRONT APPROACH



(B) POCKET OR HINGE APPROACH

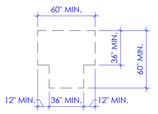


(C) STOP OR LATCH APPROACH

FIG. 404.2.4.2
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

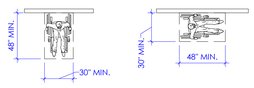
CLEAR FLOOR SPACE

(A) CIRCULAR



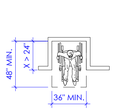
(B) T-SHAPED

FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE

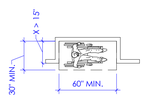


(A) FORWARD (B) PARALLEL

FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE



(A) FORWARD APPROACH



(B) PARALLEL APPROACH

FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

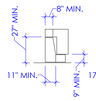


FIG. 306.3
KNEE CLEARANCE

FIG. 306.2
TOE CLEARANCE

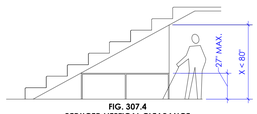


FIG. 307.4
REDUCED VERTICAL CLEARANCE

REACH RANGES

FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

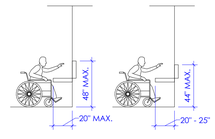


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

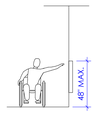


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

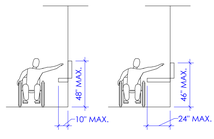


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

GENERAL SITE AND BUILDING ELEMENTS

FIG. 503.3
PASSENGER LOADING ZONE ACCESS AISLE

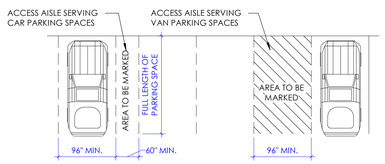


FIG. 502.2/502.3
VEHICLE PARKING SPACE/
PARKING SPACE ACCESS AISLE

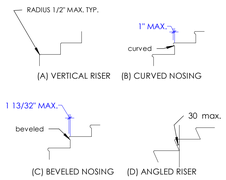


FIG. 504.5
STAIR NOSINGS

FIG. 505.4
HANDRAIL HEIGHT

FIG. 505.5
HANDRAIL CLEARANCE

FIG. 505.7
HANDRAIL CROSS SECTION

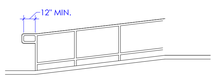


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

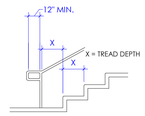


FIG. 505.10.2
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

FIG. 504.2
TREADS AND RISERS FOR ACCESSIBLE STAIRWAYS

COMMUNICATION ELEMENTS AND FEATURES

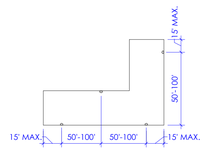


FIG. 702.3.5.1
APPLIANCE SPACING IN CORRIDORS

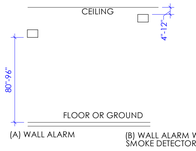


FIG. 702.3.3.1
LOCATION OF WALL-MOUNTED APPLIANCES

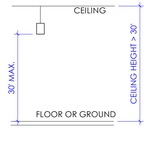


FIG. 702.3.3.2
LOCATION OF CEILING-MOUNTED APPLIANCES

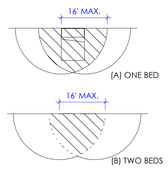


FIG. 702.3.6.2
APPLIANCE LOCATION IN SLEEPING ROOMS

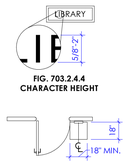


FIG. 703.2.4.4
CHARACTER HEIGHT

FIG. 703.2.8
MOUNTING LOCATION AT DOORS

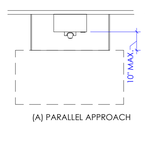


FIG. 704.2.1
CLEAR FLOOR OR GROUND SPACE FOR TELEPHONES

FIG. 705.3.1.1
TRUNCATED DOME SIZE

BUILDING BLOCKS

FIG. 302.3
OPENINGS IN FLOOR OR GROUND SURFACES

FIG. 303.3
BEVELED CHANGES IN LEVEL

PROTRUDING OBJECTS

FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

FIG. 307.3
POST-MOUNTED PROTRUDING OBJECTS

PLUMBING ELEMENTS AND FACILITIES

FIG. 602.5
DRINKING FOUNTAIN SPOUT LOCATION

FIG. 604.2/604.3.1
WATER CLOSET LOCATION/
SIZE CLEARANCE

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

FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

FIG. 604.7
DISPENSER LOCATION

FIG. 604.8.1.1
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

FIG. 604.8.3
TOILET COMPARTMENT DOORS

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

FIG. 608.6
LOCATION OF SHOWER SPRAY UNIT

FIG. 610.3.1
RECTANGULAR SHOWER
COMPARTMENT SEAT

FIG. 610.3.2
L-SHAPED SHOWER
COMPARTMENT SEAT

FIG. 609.3
SPACING OF GRAB
BARS

ACCESSIBLE
URINAL PLAN

ACCESSIBLE
LAVATORY PLAN

ACCESSIBLE BENCH PLAN VIEW

DRINKING
FOUNTAINS
PLAN VIEW

FIG. 405.9
RAMP EDGE PROTECTION

FIG. 406.4
SIDES OF CURB RAMPS

FIG. 407.2.2
ELEVATOR CALL BUTTONS

ACCESSIBLE ROUTES

FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

FIG. 403.5.1
CLEAR WIDTH AT TURN

FIG. 404.2.3
CLEAR WIDTH OF DOORWAYS

FIG. 405.7
RAMP LANDINGS

FIG. 406.3
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS

FIG. 406.12
ISLANDS

FIG. 406.11
DIAGONAL CURB RAMPS

FIG. 407.2.3.2.1
HEIGHT OF ELEVATOR VISIBLE SIGNALS

1/5/2026 12:12:55 PM

1 American National Standard Institute (ICC A117.1 - 2009) Requirements

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

NJRA ARCHITECTS

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Intermountain Life Flight
Life Flight Simulator

2284 160 N
Salt Lake City, UT 84116

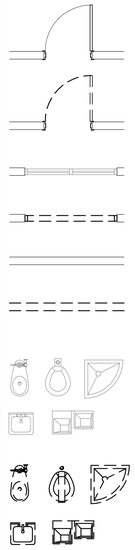
NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

American National Standard Institute Requirements

G004

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

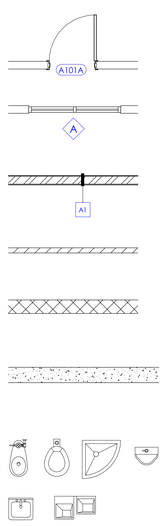
EXISTING WALL TO BE DEMOLISHED.

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.

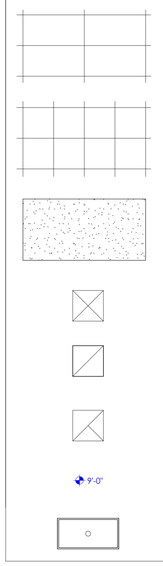
NEW CMU WALL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.

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** , **-/---** , **5 / A503A** , **8 / A503A**

NEW SUPPLY AIR GRILLE - SEE MECHANICAL DRAWINGS

NEW RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS

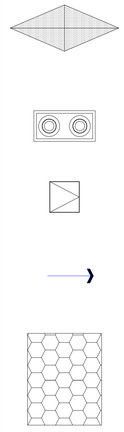
NEW EXHAUST FAN - SEE MECHANICAL DRAWINGS

CEILING HEIGHT ABOVE FINISHED FLOOR

NEW 2' X 4' LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

LEGEND - ROOF PLAN

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



TAPERED INSULATION CRICKET WITH 1/8" PER FOOT SLOPE. MINIMUM, ALONG VALLEY AND 1/4" PER FOOT SLOPE, MINIMUM, ACROSS CRICKET.

ROOF DRAIN. SEE DETAIL **-/---**

ROOF HATCH SEE DETAIL **-/---**

SLOPE DOWN DIRECTION FOR WATER FLOW TOWARD ROOF DRAINS.

AS ROOF STRUCTURE IS LEVEL (FLAT WITH NO SLOPE) IN THIS AREA, USE TAPERED INSULATION (1/4" PER FOOT SLOPE) FOR DRAINAGE. PROVIDE CRICKETS AS REQUIRED ON THE TOP OF TAPERED INSULATION.

GENERAL NOTES

A. STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS (IF PRESENT) ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF MECHANICAL OR ELECTRICAL CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEERS' DRAWINGS SHALL BE BROUGHT TO THE ARCHITECTS ATENTION 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 - 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 - ROOF PLAN

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

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

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

GENERAL NOTES - 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 - 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 - 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 - 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 **4 / A505B** AND **5 / A505B** .

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

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

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

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267857-0301
12/11/25
LICENSED ARCHITECT

Intermountain Health
Intermountain Life Flight
Life Flight Simulator

2284 160 N
Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

General Legend & Notes

G005

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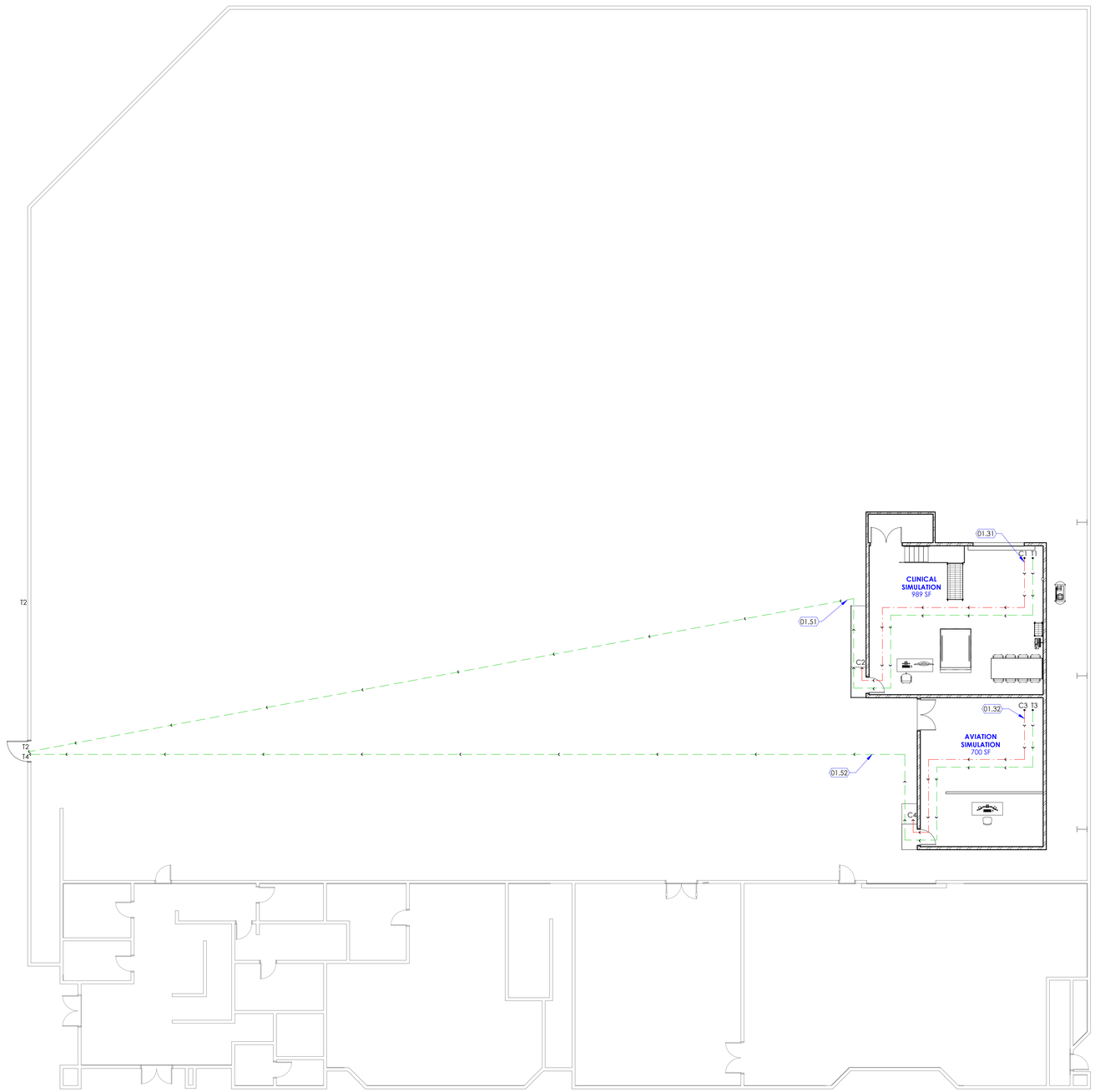

1 Code Compliance Plan Level 1
SCALE: 1" = 10'-0"

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GENERAL

KEYED NOTES

01.31 LINE AND ARROW INDICATES "COMMON PATH OF TRAVEL" DIRECTION AND DISTANCE OF 54'-0" BETWEEN POINTS C1 AND C2. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 75'-0".

01.32 LINE AND ARROW INDICATES "COMMON PATH OF TRAVEL" DIRECTION AND DISTANCE OF 48'-0" BETWEEN POINTS C3 AND C4. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 75'-0".

01.51 LINE AND ARROW INDICATES "TRAVEL DISTANCE" OF 241'-9" BETWEEN POINTS T10 AND T1. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 250'-0".

01.52 LINE AND ARROW INDICATES "TRAVEL DISTANCE" OF 238'-5" BETWEEN POINTS T11 AND T2. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 250'-0".

CODE REVIEW

International Building Code (IBC)	2021
International Existing Building Code (IEBC)	2021
International Fire Code	2021
International Mechanical Code (IMC)	2021
International Plumbing Code (IPC)	2021
National Electric Code (NEC)	2020
NFPA 101 Life Safety Code	2018
ANSI ICC A117.1	2017
ADA Standard for Accessible Design	2010
Guidelines for Design & Construction of Hospital and Healthcare Facilities	2010

Existing Hangar

Actual Stories: 1 (Hangar)
Occupancy: S-1
Construction Type: Non Combustible
Fireproofing: Yes
Automatically Sprinkled: Yes

Allowable Area
For S-1 Occupancy & Type V-B Const.: 9000 sq. ft. (Table 506.2)
Area increase due to frontage: N/A
Total allowable area per floor: 9000 sq. ft. (Table 506.2)

Project Remodel Area: 1,780 sq. ft.

Allowable Stories
For S-1 Occupancy & Type V-B Const.: 1 story (Table 504.3)
Actual Stories: 1 above grade

Common path of egress travel in exit access areas
For S-1 Occupancy - 75 feet (1006.3.4(2))

Exit access travel distance
For S-1 Occupancy - 250 feet (with sprinkler system) (Table 1017.2)

Corridor Width
For S-1 Occupancy - 44 inches (1020.3)

Construction Type : Type V-B

Fire resistance rating requirements for building elements (Table 601)
Structural frame - NA
Exterior Bearing walls - NA
Interior Non-Bearing walls- NA
Floor Construction - NA
Roof Construction - NA

Sprinkler System
Entire Building is fully equipped with automatic sprinkler system.

Occupant Load (Table 1004.1.1)
Business- 150 sq.ft. per person
Total Occupant Load = 12 occupants

Egress width calculation:

KEYED NOTE

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

VIEW & PRINT THIS SHEET IN COLOR FOR CLARITY

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Code Compliance Plan Level 1 - Overall

G111

1. Design Criteria

1.1. Governing Building Code — 2021 International Building Code (IBC)
- A. Risk Category — II

1.2. Floor Live Loading
- A. Floor Live Load — 100 psf

1.3. Roof Loading
- A. Roof Live Load — 40 psf

1.4. Earthquake
- A. Seismic Design Category — D
- B. Spectral Response Accelerations:
  - S_S = 1.541 g S_{DS} = 1.233 g
  - S_1 = 0.549 g S_{D1} = 0.641 g
- C. Site Class — D Default
- D. Basic Seismic-Force-Resisting System — Light framed (cold-formed steel) walls sheathed with wood structural panels
  - R = 6.50 Ω_0 = 3.00 C_d = 4.00
- E. Importance Factor, I_e — 1.0
- F. Redundancy Factor, ρ — 1.0
- G. Analysis Procedure — Equivalent Lateral Force (Static)
- H. Seismic Design Coefficient, C_s — 0.190
- I. Design Base Shear — 9 kips

2. Concrete

2.1. Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-19, "Building Code Requirements for Structural Concrete."

A. Concrete mix design requirements shall be as follows:

Location	f'c at 28 days (psi)	Max W/C Ratio	Air Content (%)	Max Aggregate Size	Exposure Classes*			
					F	S	C	W
Footings	3000	0.50	-	1"	F0	S0	C0	W1

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

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

C. Aggregates:
1. For concrete with exposure class W1, evidence shall be submitted that aggregates comply with the following:
   a. Aggregates are not alkali-silica reactive or measures to mitigate alkali-silica reactivity have been established.
   b. Aggregates are not alkali-carbonate reactive.

D. Concrete Density (Maximum Air-Dry Weight):
1. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot. Aggregate shall be ASTM C33.

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

F. Admixtures:
1. Air-entraining admixtures, comply with ASTM C 260 (when used).
   a. Tolerance on air content as delivered shall be +/- 1.5%.
   b. When air content of a trowel finished floor slab exceeds 3%, there is an increased risk for delaminations and blistering to occur. When this situation is present, the Contractor shall pay special attention to the finishing procedures to help minimize such risks. Refer to ACI 302.1R-15 "Guide for Concrete Floor and Slab Construction" for proper finishing guidelines.
2. The use of super plasticizers and water reducers is allowed, but not required.
3. Calcium chloride or admixtures containing calcium chloride shall not be added to the concrete mix.

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

H. Shrinkage Limit: Interior slabs on grade shall have a drying shrinkage limit of 0.040% tested in accordance with ASTM C157. Drying shrinkage test results shall be submitted with mix designs.

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

2.2. Formwork shall comply with ACI Standards Publication 347 and the project specifications. The Contractor shall be responsible for the design, detailing, care, placement and removal of the formwork and shores.
- A. Pre-camber forms and screeds with a camber of ¼ inch per every 10 feet of span to compensate for dead load deflection, unless noted otherwise.

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

2.4. Minimum Spacing of Reinforcement
- A. For parallel reinforcing bars in a horizontal layer, clear spacing between bars shall be at least the greatest of 1 inch, nominal diameter of the bars considered, and $^4/_3$ times the nominal maximum size of coarse aggregate in the concrete.
- B. If scheduled reinforcing cannot meet these provisions, notify the Engineer of Record.

2.5. Construction Joints and Control Joints
- A. All horizontal and vertical construction joints shall have a surface intentionally roughened to ¼ inch amplitude. A continuous 2x4 keyway may be used on elements other than shear walls.
- B. Provide reinforcement dowels to match the member reinforcement across the joint, unless noted otherwise. For dowels across construction joints and wall to footing connections of concrete shear walls, refer to specific project plans, schedules, and details.
- C. Slabs on grade shall have construction or control joints spaced not to exceed 30 times the slab thickness in any direction.
- D. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. See typical details for joint configuration.
- E. All sawcut control joints shall be completed within 12 hours of concrete placement.

2.6. Detailing: All reinforcing shall be detailed, bolstered & supported to comply with ACI 315, "Details and Detailing of Concrete Reinforcement" and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically shown on drawings.
- A. All reinforcing shall be developed in compliance with the CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE SCHEDULE. As indicated in the drawings or upon approval of the Engineer of Record, standard tension hooks or headed bars described by the TENSION HOOK DEVELOPMENT SCHEDULE.
- B. All embedded elements and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
- C. Use chairs or other support devices recommended by CRSI to support and tie reinforcement bars prior to placing concrete.
- D. Where required, reinforcement is to be terminated in a standard hook or headed bar anchor. Refer to the TENSION HOOK DEVELOPMENT SCHEDULE and the REINFORCEMENT END HOOK SCHEDULE as appropriate.
- E. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
- F. All reinforcement shall be bent cold and shall be bent only once at the same location. All reinforcement shall be shop bent, unless otherwise permitted by the Engineer of Record.

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

2.8. Unless otherwise noted, all slabs on grade shall be 4 inches thick.

3. Cold-Formed Steel

3.1. General Conditions
- A. The cold-formed steel framing drawings and details provide the general design intent and do not cover all conditions. The Contractor shall provide cold-formed framing as required to complete the wall section geometry as shown in the architectural drawings, including additional studs and connections as required to provide a complete installation. The Contractor shall provide engineering for conditions not specifically detailed in the construction drawings.

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

3.3. Design, fabrication and construction shall comply with the following Codes and Standards from the American Iron and Steel Institute (AISI):
- A. AISI S100-16(2020) w/S2-20: "North American Specification for the Design of Cold-Formed Steel Structural Members" 2016 Edition (Reaffirmed 2020), with Supplement 2, 2020 Edition
- B. AISI S202-20: "Code of Standard Practice for Cold-formed Steel Framing," 2020
- C. AISI S220-20, "North American Standard for Cold-Formed Steel Nonstructural Framing," 2020
- D. AISI S240-20: "North American Standard for Cold-Formed Steel Structural Framing," 2020
- E. AISI S400-20: "North American Standard for Seismic Design of Cold-formed Steel Structural Systems," 2020

3.4. Cold-Formed Steel Framing
- A. All cold-formed steel (and/or) joist framing members along with all runner, bridging, and end track shall be of the designation shown on the plans, schedules, and details. The framing member designators used in the plans, schedules, and details follow the convention established by the Steel Stud Manufacturers' Association (SSMA) and the North American Steel Framing Alliance (NASFA). Framing members provided shall comply with the designations according to this convention. See Steel Stud Manufacturers Association- Nomenclature for an explanation of the stud or track designations.
- B. All components shall be galvanized.
- C. Where not noted in the drawings, all framing members shall have a base metal thickness of 33 mil or greater.
- D. All jamb, header, and sill components shall be continuous without splices unless noted otherwise. Jambs shall extend continuous from floor to floor, roof, or wind girt.
- E. Web punchouts in header stud or joist members shall not be located within 12 inches of the support.
- F. Fasteners for steel stud construction shall be self-drilling and self-tapping meeting ASTM C1513. Screw-type fasteners shall penetrate the joined materials with a minimum of three threads exposed. Furnish, install, and tighten screws per the manufacturer's recommendations and per the sizes indicated in the details. The minimum screw-type fastener size shall be #10 for any connection, unless noted otherwise, or the manufacturers' minimum recommended size for framing clips and bridging. Screws shall have a center-to-center spacing of at least 3 times the nominal diameter of the screw unless noted otherwise. Screws shall have center-of-screw to edge-of-steel dimensions of at least 1.5 times the nominal diameter of the screw unless noted otherwise.
- G. See the Typical Steel Stud Wall Bridging Detail for wall stud bridging requirements. Proprietary bridging systems may be used upon submission, review, and approval by the Architect/Engineer. Cold-rolled channel (or steel angle) bridging shall not be used without suitable full-depth angle clips fastened to the studs and channel or angle to prevent stud roll-over.
- H. Connection clips as specified in the schedules and details use The Steel Network (TSN) products as the basis of design. Other manufacturer's connection clips must be submitted for review and approved by the Architect/Engineer prior to use and shall clearly indicate all ICC/IAPMO code reports, load capacities and engineering associated with their use. Follow all manufacturers' requirements for the use of these products. Follow required screw patterns as required by the manufacturer based on the number of screws indicated. Web punchouts shall not be located within 6 inches of connection clips.
- I. Proprietary headers, jamb studs, and other miscellaneous framing may be substituted for framing as shown in the STEEL STUD FRAMING SCHEDULE but must be submitted to the Engineer of Record & reviewed prior to ordering material or fabricating & installing such components. Submittals for substitution of such components must clearly state what is being substituted and show equivalence to the components being replaced.
- J. Wall studs must seat fully in top and bottom wall track with 1/8" maximum gap between the stud and the track.

3.5. Welding:
- A. The steel stud contractor shall contact the Quality Assurance Agency prior to beginning any welds. A program of joint preparation and welding procedures should be worked out between the two parties before the welding is started so that correct welds will be made from the beginning.
- B. Certification of Welders: All shop and field welding shall be executed by AWS certified welders who have been specifically certified for the process of welding being performed. The welder's certification will be considered as being current unless the welder is not engaged in the process of welding being performed for a period exceeding six months or there is a specific reason to question a welder's ability as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the Architect prior to beginning work.
- C. Unless noted otherwise, all welded connections shall be done using $^1/_8$ inch AWS type 6013 or 7014 rod with a welding heat of 60-110 amperes depending on the gauge of material and the fit of the parts. Wire tying of framing components shall not be permitted. Welds and damaged coatings on studs shall be repaired with zinc galvanizing repair paint.

3.6. The contractor shall submit shop drawings with complete elevations and details defining framing member sizes, locations, and connection details for review. Shop drawings shall be submitted prior to fabrication.

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

4. Wood

4.1. Fabrication and construction shall comply with the following Codes and Standards:
- A. American Wood Council National Design Specification for Wood Construction 2018 Edition and Supplement (NDS and NDS Supplement)
- B. American Wood Council Special Design Provisions for Wind and Seismic 2021 Edition (SDPWS)

4.2. Materials
- A. Wood Sheathing Panels: All sheathing panels shall be rated by the American Plywood Association (APA). Panels shall bear the stamp of an approved testing and grading agency. Panels shall be grade DOC PS 1 or PS 2 with exterior glue with the following panel span rating or better, unless noted otherwise:

Area to be sheathed	Span Rating	Minimum Thickness
Roofs	40/20	$^{19}/_{32}$"
Floors	24 o.c. or 48/24	1-1/8" T&G
Walls	24/0	$^{15}/_{32}$"

- B. Nails as referenced in these documents shall meet the tolerances in ASTM F1667 and have the following properties or better, unless noted otherwise:

Nail Size	Length	Minimum Penetration	Common		Galvanized Box	
			Shank Diameter	Dowel Bending Yield Strength (psi)	Shank Diameter	Dowel Bending Yield Strength (psi)
6d	2"	1.1/8"	0.113"	100,000	0.099"	100,000
8d	2.1/2"	1.3/8"	0.131"	100,000	0.113"	100,000
10d	3"	1.1/2"	0.148"	90,000	0.128"	100,000
16d	3.1/2"	1.5/8"	0.162"	90,000	0.135"	100,000
20d	4"	2"	0.192"	80,000	0.148"	90,000

- C. Nails as referenced in these documents shall meet the tolerances in ASTM F1667 and have the following properties or better, unless noted otherwise:
  When used to attach sheathing panels, nails shall be common or galvanized box type nails. All other nails shall be common type nails.
- D. Fasteners referenced in these documents shall comply with the International Building Code and shall meet the requirements of the National Design Specification (NDS) for Wood Construction, unless noted otherwise.
  Screws used for wood framing and sheathing fastening shall be carbon steel or alloy steel wood screws or structural screws, corrosion protected as required by exposure conditions, and shall be approved per ICC-ES Evaluation Report. Screws shall be designed and installed to provide equal or greater shear and withdrawal capacity than the nails specified in IBC Table 2304.10.2 (Fastening Schedule).
  Drywall screws shall not be permitted.
- E. When used to attach sheathing panels, screws shall be coarse-thread wood screws or proprietary structural screws approved for wood structural panel fastening.
  All screws shall be installed in accordance with the manufacturer's published installation instructions and applicable ICC-ES Evaluation Report.

4.3. Special Treatments
- A. Fire-Retardant-Treated Wood:
  1. Fire retardant-treated wood shall meet requirements in IBC Section 2303.2. Fire-retardant-treated wood shall be treated to meet a flame spread index of 25 or less and show no evidence of significant progressive combustion when the test is continued for 20 minutes per ASTM E 84 or UL 723.
  2. Treatment methods shall provide permanent protection to all surfaces
  3. All fire retardant treated wood products shall be labeled per the requirements of section 2303.2.4 of the IBC.
  4. Strength adjustment factors resulting from fire retardant treatment shall be determined based on the requirements of IBC sections 2303.2.5 and all subsections thereof. Strength adjustment factors for the preservative treatments used shall be submitted to the Engineer of Record for review prior to procurement of materials.
  5. Moisture content of fire retardant treated wood shall be 19% or less for lumber and 15% or less for structural panels prior to use.
- B. Fasteners, including nuts and washers, in contact with treated wood shall meet the following criteria as per IBC Section 2304.10.6:
  1. Fasteners in contact with fire-retardant-treated wood shall be hot-dipped galvanized steel, stainless steel, silicon bronze or copper. Fasteners other than nails, wood screws, timber rivets, and lag screws may be mechanically-deposited zinc-coated steel with coatings meeting ASTM B 695, Class 55 minimum.

4.4. Cold-Formed Steel Framing and Carpentry
- A. General
  Cold-formed steel framing shall be designed and constructed in accordance with the International Building Code and AISI S100 and AISI S240, unless noted otherwise.
- B. Fasteners
  Fasteners for cold-formed steel framing, including framing connections and attachment of sheathing, shall be self-drilling or self-tapping screws manufactured from carbon steel and coated for corrosion protection as required by exposure conditions.
  Fasteners shall comply with ASTM C1513, ASTM C1002, as applicable, and shall be installed in accordance with the manufacturer's published installation instructions.
  Drywall screws shall not be permitted for structural cold-formed steel connections unless specifically approved by the Engineer of Record.
- C. Sheathing Attachment
  Attachment of sheathing to cold-formed steel framing shall comply with AISI S240 and the approved construction documents. Screw size, spacing, and edge distances shall be as shown on the drawings or as required by the applicable evaluation report or standard.
- D. Blocking and Bridging
  Provide blocking, bridging, and bracing for cold-formed steel members as required by AISI S240 and the approved construction documents. Blocking shall be installed to maintain member alignment and load transfer.
- E. Openings and Framing Reinforcement
  Framing at openings, headers, jambs, and sills shall be reinforced as shown on the drawings and in accordance with AISI S240.

4.5. Cold-Formed Steel Framing Connections
- A. General
  Cold-formed steel framing connections shall be designed and constructed in accordance with AISI S100 and AISI S240, unless noted otherwise.
- B. Screw Fasteners
  Screws used for cold-formed steel framing connections shall be self-drilling or self-tapping screws sized and installed to achieve the required connection capacities. Screws shall be installed in accordance with manufacturer requirements.
- C. Proprietary Connectors
  Proprietary connectors used in cold-formed steel framing systems shall be installed in accordance with the connector manufacturer's published instructions and applicable evaluation reports.
- D. Capacity Requirements
  Framing connections shall be designed to resist the required axial, shear, and uplift forces. Where connection capacities are not explicitly shown on the drawings, the Contractor shall submit product data demonstrating compliance.
- E. Installation
  Install all cold-formed steel framing connections in accordance with approved shop drawings and manufacturer instructions. Fasteners shall be fully seated without damaging protective coatings.

5. Miscellaneous

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

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

Steel Expansion/Wedge Anchor	Evaluation Report
Hilti Kwik Bolt TZ2	ICC ESR-4266
DeWalt Power-Stud+ SD2	ICC ESR-2502
Simpson Strong-Bolt 2	ICC ESR-3037

Adhesive Anchor System	Evaluation Report
Hilti HIT-HY 200	ICC ESR-4868
Hilti Kwik-X	ICC ESR-5065
Hilti HIT-RE 500 V3	ICC ESR-3814
DeWalt AC200+	ICC ESR-4027
DeWalt Pure 110+	ICC ESR-3298
Simpson SET-3G	ICC ESR-4057

  2. Adhesive anchors shall be installed into concrete having a minimum age of 21 days. For installations sooner than 21 days, consult the adhesive manufacturer.
- D. Alternate anchors or adhesives are permitted with approval of the Engineer of Record. The Contractor shall submit the proposed anchor product data and code evaluation report demonstrating the anchor is equivalent to or exceeds the capacity of the specified anchor.
- E. Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel certified by an applicable certification program. Certification shall include written and performance tests in accordance with the ACI/CRSI Adhesive Anchor Installer Certification program, or equivalent. Proof of current certification shall be submitted to the Engineer of Record for approval prior to commencement of installation.
- F. Anchors shall be installed according to the Manufacturer's Printed Installation Instructions and applicable code evaluation reports including:
  1. Hole diameter, depth, and cleaning procedure
  2. Adhesive mixing, preparation, and placement
  3. Installation torque
- G. Locate all existing reinforcement and embedded items prior to drilling into concrete or masonry elements. Do not damage rebar or embeds while drilling or installing anchors.
- H. Grout all defective or abandoned holes with non-shrink grout or an injectable epoxy adhesive matching the surrounding concrete compressive strength. Consult the Architect for additional requirements at architecturally exposed concrete.
- I. Carbon steel anchors are limited to use in dry, interior locations.
- J. Holes for post-installed anchors may not be core drilled unless specifically allowed by the manufacturer's installation instructions and the code evaluation report. Holes shall not be re-used unless approved by the manufacturer.

6. Special Instructions

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

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

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

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

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

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

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

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

7. Quality Assurance

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

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

7.3. Structural Observations by the Engineer of Record
- A. The Engineer of Record will perform structural observations at critical phases of the project as listed below. Observations will be made on a periodic basis throughout the construction of the structural system. Copies of the observation report will be distributed to the Architect, Contractor, Owner, and QAA.
- B. The contractor shall notify the Engineer of Record at least 48 hours in advance before any of the following actions.
  1. Placing concrete in mat footing.
  2. Completing the fastening of any sheathing on wall, roof, or floor system.
- C. Observation visits to the site by the Engineer of Record or the Engineer's field representatives shall not be construed as inspection or approval of construction.

8. Statement of Special Inspections

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

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

8.3. Special inspections during fabrication are not required where the work is done on the premises of a fabricator approved by the authority having jurisdiction to perform such work without special inspection. At the Owner's discretion, periodic inspection, testing, or auditing of the fabricator's quality control processes may be performed by the Owner's quality assurance agency. At completion of fabrication, the fabricator shall submit a certificate of compliance for submittal to the building official, as specified in Section 1704.5, stating that the work was performed in accordance with the approved construction documents.

Concrete Construction per IBC Sections 1705.3 & 1705.12

Item	Frequency	Detailed Instructions
Reinforcing steel	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of ice, mud, oil, or other deleterious coatings that decrease bond; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report, and that minimum clear spacing requirements between bars and lap splices are in accordance with the Detailing provisions of the General Structural Notes.
Cast-in bolts & embeds	Periodic	Inspection of anchors or embeds cast in concrete.
Post-installed adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	Continuous	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report. Horizontally or upwardly inclined anchors that resist sustained tension loads require qualified installers.
Post-installed mechanical anchors	Periodic	Post-installed anchors shall be specially inspected as required by the approved ICC-ES report.
Use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents; ACI 318: Ch.19, 26.4.3-26.4.4; and IBC 1904.1.1904.2
Concrete sampling for strength tests, slump, air content, and temperature	Continuous	Samples for strength tests shall be taken in accordance with ASTM C172, cured per ASTM C31 and tested in accordance with ASTM C39 by a testing agency complying with ASTM C1077. Acceptance criteria for strength tests shall be per ACI 318 Section 26.12.3. For each mix placed, samples shall be taken not less than once a day, nor less than once for each 150 yd^3 of concrete, nor less than once for each 5000 ft^2 of surface area for slabs or walls. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.
Concrete placement	Continuous	
Curing temperature and techniques	Periodic	Verify that the ambient temperature for concrete is kept at > 50°F for at least 7 days after placement. High-early-strength concrete shall be kept at > 50°F for at least 3 days. Accelerated curing methods may be used (see ACI 318: 26.5.3). All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
In-situ strength verification	Periodic	Verify that adequate strength has been achieved prior to the removal of shores and forms.
Formwork	Periodic	Verify that the forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.

STRUCTURAL DRAWING LIST	
SHT NO.	SHT NAME
SE001	GENERAL STRUCTURAL NOTES
SE002	LEGENDS & ABBREVIATIONS
SF101	FLOOR AND ROOF FRAMING PLANS
SF102	STRUCTURAL FRAMING ELEVATIONS
SW501	TYPICAL COLD-FORMED STEEL STUD DETAILS
SW502	STEEL STUD DETAILS
SW503	STEEL STUD ROOF DETAILS
SW601	STEEL STUD WALL AND WOOD SCHEDULES AND DETAILS

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12/11/2025

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Intermountain Life Flight
Life Flight Simulator
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NJRA Project # 25252.00
Construction Documents Dec 11, 2025

GENERAL STRUCTURAL NOTES

SE001

12/15/2025 11:03:38 AM

PLAN LEGEND

FOOTING - SQUARE FOOTING - RECTANGULAR FOOTING - MAT FOOTING	STEEL STUD WALL - STRUCTURAL	EXISTING FOOTING - SQUARE, RECTANGULAR, OR MAT
	STEEL HEADER IN STEEL STUD WALL	
OPENING	CFS BEAM OR GIRDER	
	CFS JOIST OR PURLIN	
WOOD DIAPHRAGM SHEATHING		
0" CHANGE IN ELEVATION		

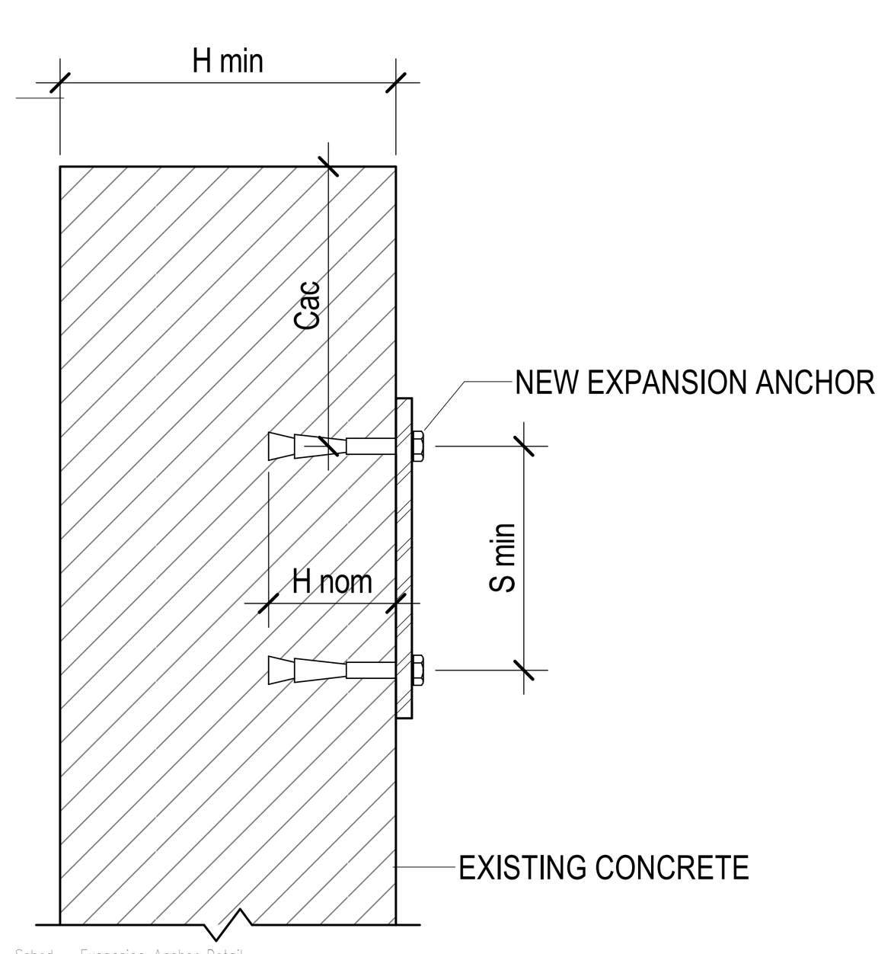
CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE LENGTH SCHEDULE

Sched - Reinf-Splice

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

NOTES:

1. DEFINITIONS:
   - Ld: TENSION DEVELOPMENT LENGTH FOR REINFORCEMENT SATISFYING THE FOLLOWING CONDITIONS:
     SLABS AND WALLS: CLEAR SPACING > 2db AND CONCRETE CLEAR COVER > db
     BEAMS AND COLUMNS: CLEAR COVER SPACING > db AND CONCRETE CLEAR COVER > db
   - Lt: DEVELOPMENT LENGTH FOR TOP BARS IN TENSION
   - Lsb: TENSION LAP SPLICE LENGTH FOR OTHER THAN TOP BARS (CLASS B)
   - Lsbt: TENSION LAP SPLICE LENGTH OF TOP BARS.
   - Ldc: DEVELOPMENT LENGTH FOR BARS IN COMPRESSION. TO BE USED ONLY WHEN SPECIFIED IN DETAILS.
   - Lsc: TIED COLUMN LAP SPLICE IN COMPRESSION. TO BE USED ONLY WHEN SPECIFIED IN DETAILS.
   - db: NOMINAL BAR DIAMETER (INCHES)
   - TOP BARS: HORIZONTAL BEAM REINFORCEMENT WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW
2. MULTIPLY VALUES IN SCHEDULE BY 1.5 IF CLEAR SPACING OR CONCRETE COVER DO NOT MEET REQUIREMENTS FOR Ld IN NOTE 1.
3. MULTIPLY VALUES IN SCHEDULE BY 1.3 FOR USE IN LIGHTWEIGHT AGGREGATE CONCRETE.
4. FOR EPOXY COATED BAR: MULTIPLY VALUES IN SCHEDULE BY 1.5 FOR BARS WITH CLEAR COVER < 3db OR CLEAR SPACING < 6db. OTHERWISE MULTIPLY VALUES BY 1.2.
5. a. FOR BUNDLED BARS OF THREE OR LESS MULTIPLY LENGTHS BY 1.2.
   b. FOR BUNDLED BARS OF FOUR OR MORE MULTIPLY LENGTHS BY 1.33.
   c. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.
6. SCHEDULE LENGTHS ARE FOR fy=60ksi REINFORCING, MULTIPLY LENGTHS BY 1.53 FOR fy=80ksi, 2.17 FOR fy=100ksi REINFORCING.
7. LAP SPLICES ARE NOT PERMITTED FOR #14 & #18 BARS. USE BAR COUPLERS PER G.S.N.
8. MINIMUM CLEAR SPACING BETWEEN THE CONTACT LAP SPLICES SHOWN IN THIS SCHEDULE AND ADJACENT SPLICES OR BARS SHALL BE IN ACCORDANCE WITH THE DETAILING PROVISIONS OF GENERAL STRUCTURAL NOTES.



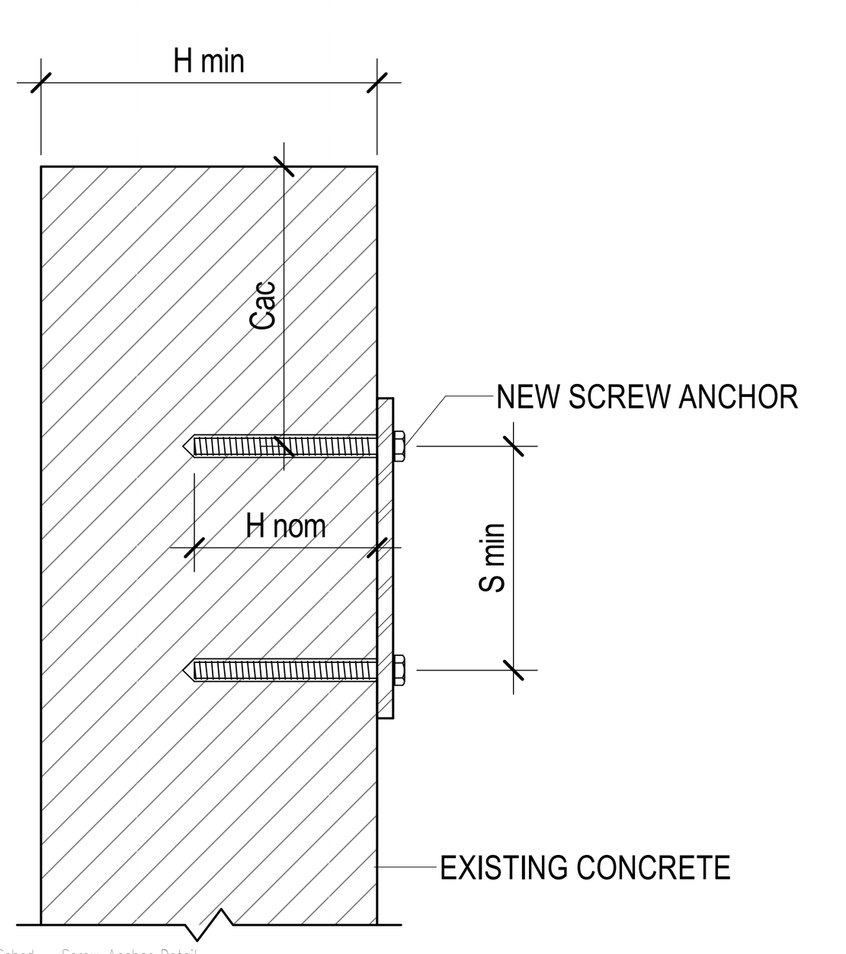
EXPANSION ANCHORS IN CONCRETE SCHEDULE

ANCHOR SIZE	MINIMUM EDGE DISTANCE (Cac)	EMBEDMENT LENGTH (H nom)	MINIMUM CONCRETE THICKNESS (H min)	MINIMUM ANCHOR SPACING (S min)
3/8"Ø	6.1/2"	2.7/8"	4.1/2"	3.3/4"
1/2"Ø	10"	3.7/8"	6"	5"
5/8"Ø	10"	5.1/8"	8"	6"
3/4"Ø	16"	5.3/4"	10"	7"

NOTES:

1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS. ANCHORS AT OTHER LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. EDGE DISTANCE, Cac, AND EMBEDMENT LENGTHS, H nom, AND ANCHOR SPACING SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER VALUES IN THIS SCHEDULE.
3. ANCHORS LOCATED WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER DOES NOT MEET THE REQUIRED MINIMUM CONCRETE THICKNESS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
4. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ANCHORS AND OTHER REQUIREMENTS FOR USING EXPANSION ANCHORS.

A1 SE002 EXPANSION ANCHORS IN CONCRETE SCHEDULE
NO SCALE



SCREW ANCHORS IN CONCRETE SCHEDULE

ANCHOR SIZE	MINIMUM EDGE DISTANCE (Cac)	EMBEDMENT LENGTH (H nom)	MINIMUM CONCRETE THICKNESS (H min)	MINIMUM ANCHOR SPACING (S min)
3/8"Ø	3.3/4"	3.1/4"	5"	3"
1/2"Ø	4.1/2"	4"	6.1/4"	3.1/2"
5/8"Ø	6.3/8"	5.1/2"	8.1/2"	3.3/4"
3/4"Ø	7.5/16"	6.1/4"	10"	4.1/2"

NOTES:

1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS AND AT OTHER LOCATIONS WITH APPROVAL OF THE STRUCTURAL ENGINEER.
2. EDGE DISTANCE, Cac, AND EMBEDMENT LENGTHS, H nom, AND ANCHOR SPACING SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER VALUES IN THIS SCHEDULE.
3. ANCHORS LOCATED WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER DOES NOT MEET THE REQUIRED MINIMUM CONCRETE THICKNESS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION..
4. SPECIAL INSPECTION IS REQUIRED DURING INSTALLATION OF ALL SCREW ANCHORS PER THE CODE EVALUATION REPORT FOR THE ANCHOR AND THE QUALITY ASSURANCE SECTION OF THE GENERAL STRUCTURAL NOTES.
5. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ANCHORS AND OTHER REQUIREMENTS FOR USING SCREW ANCHORS.
6. SCREW ANCHORS SHALL ONLY BE USED IN INTERIOR DRY LOCATIONS

A3 SE002 SCREW ANCHORS IN CONCRETE SCHEDULE
NO SCALE

ABBREVIATIONS

@	AT
AB	ANCHOR BOLT (S)
ABV	ABOVE
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
BLDG	BUILDING
BLW	BELOW
BM	BEAM
BOT	BOTTOM
BRB	BUCKLING-RESTRAINED BRACE
BRG	BEARING
BTWN	BETWEEN
CJ	CONSTRUCTION JOINT OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTR	CENTER
D.B.	DECK BEARING
db	DIAMETER OF REINFORCING BAR
DBA	DEFORMED BAR ANCHORS
DBL	DOUBLE
DET	DETAIL
DIA (OR Ø)	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DK	DECK
DN	DOWN
DWG	DRAWING
DWL	DOWEL
E.F.	EACH FACE
E.J.	EXPANSION JOINT (SEISMIC SEPARATION JOINT)
E.W.	EACH WAY
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENG	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST (E)	EXISTING
EXP	EXPANSION / EXPOSED
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.F.	FINISH FLOOR
F.V.	FIELD VERIFY
FDTN	FOUNDATION
FIN	FINISH
FL	FLOOR
FT	FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GLB	GLU-LAMINATED BEAM
GR	GRADE
GSN	GENERAL STRUCTURAL NOTES
HB	HORIZONTAL BRIDGING
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHORS
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
I.F.	INSIDE FACE
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
IN	INCH
INSUL	INSULATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS - 1,000 POUNDS
KLF	KIPS PER LINEAL FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
Ld, Lt, Lsb, Lsbt, Ldc, Lsc	SEE CONCRETE REINFORCING BAR DEVELOPMENT AND LAP LENGTH SCHEDULE
LF	LINEAL FOOT
LFRS	LATERAL FORCE RESISTING SYSTEM (SFRS & WFRS)
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NORM	NORMAL
NTS	NOT TO SCALE
O.C.	ON CENTER
O.F.	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
P.T.	POST-TENSIONED
PAF	POWDER ACTUATED FASTENER
PCF	POUNDS/CUBIC FOOT
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS/LINEAL FOOT
PNL	PANEL
PSF	POUNDS/SQ FOOT
PSI	POUNDS/SQ INCH
R.D.	ROOF DRAIN
REINF	REINFORCING
REQD	REQUIRED
SDS	SELF-DRILLING SCREW
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SI	SPECIAL INSPECTION (SP. INSP.)
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
T & B	TOP AND BOTTOM
T.O.	TOP OF
TEMP	TEMPERATURE
THDS	THREADS
TOC	TOP OF CONCRETE
TOCP	TOP OF CONCRETE PIER
TOF	TOP OF FOOTING
TOS	TOP OF SLAB
TOST	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W.P.	WORK POINT
W/	WITH
WF	WIDE FLANGE
WFRS	WIND FORCE RESISTING SYSTEM
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

PLAN MARKS

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

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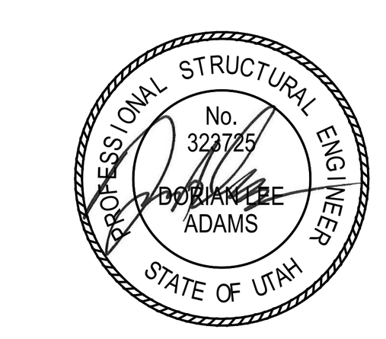

12/11/2025

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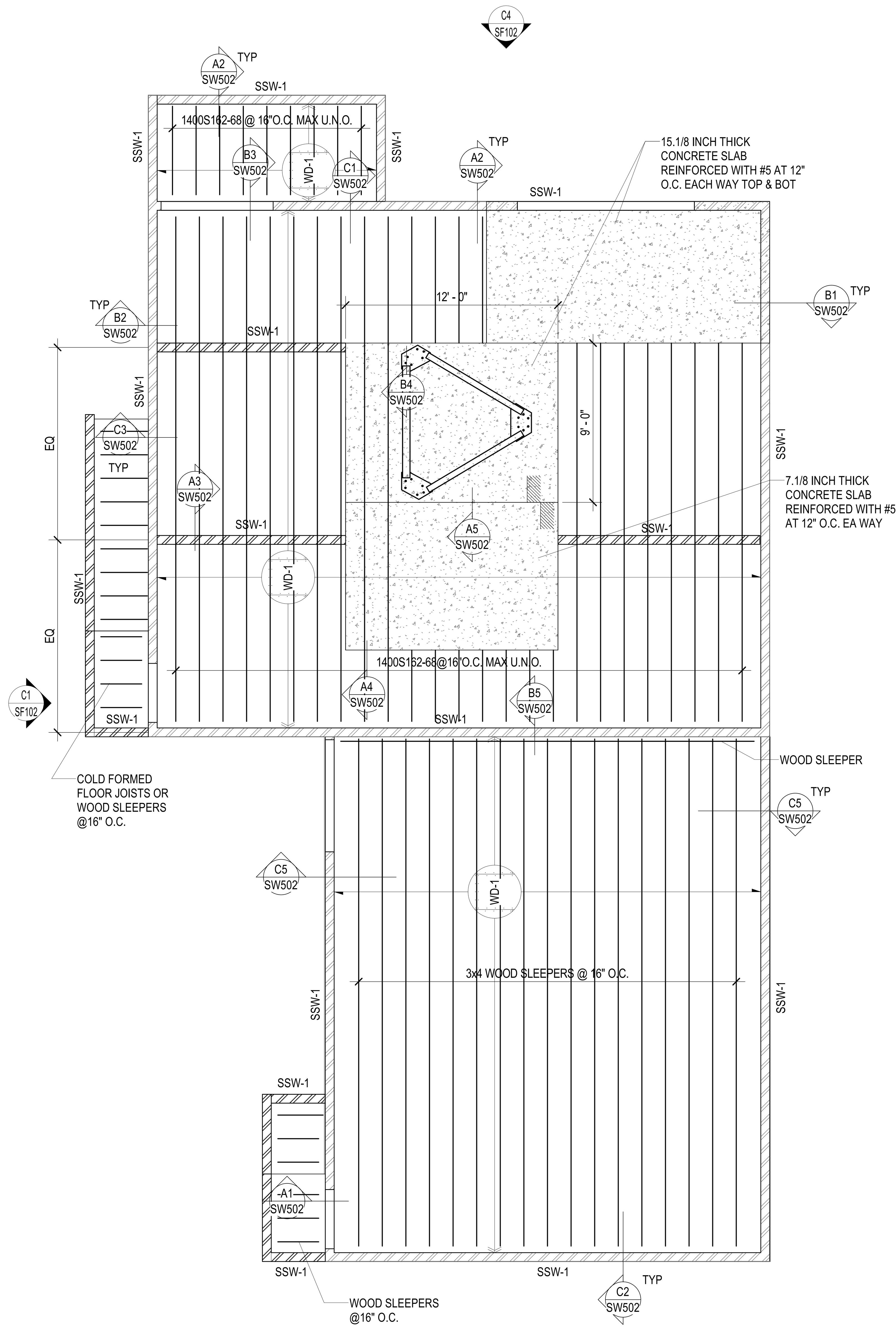
LEGENDS & ABBREVIATIONS

SE002

12/15/2025 11:03:39 AM

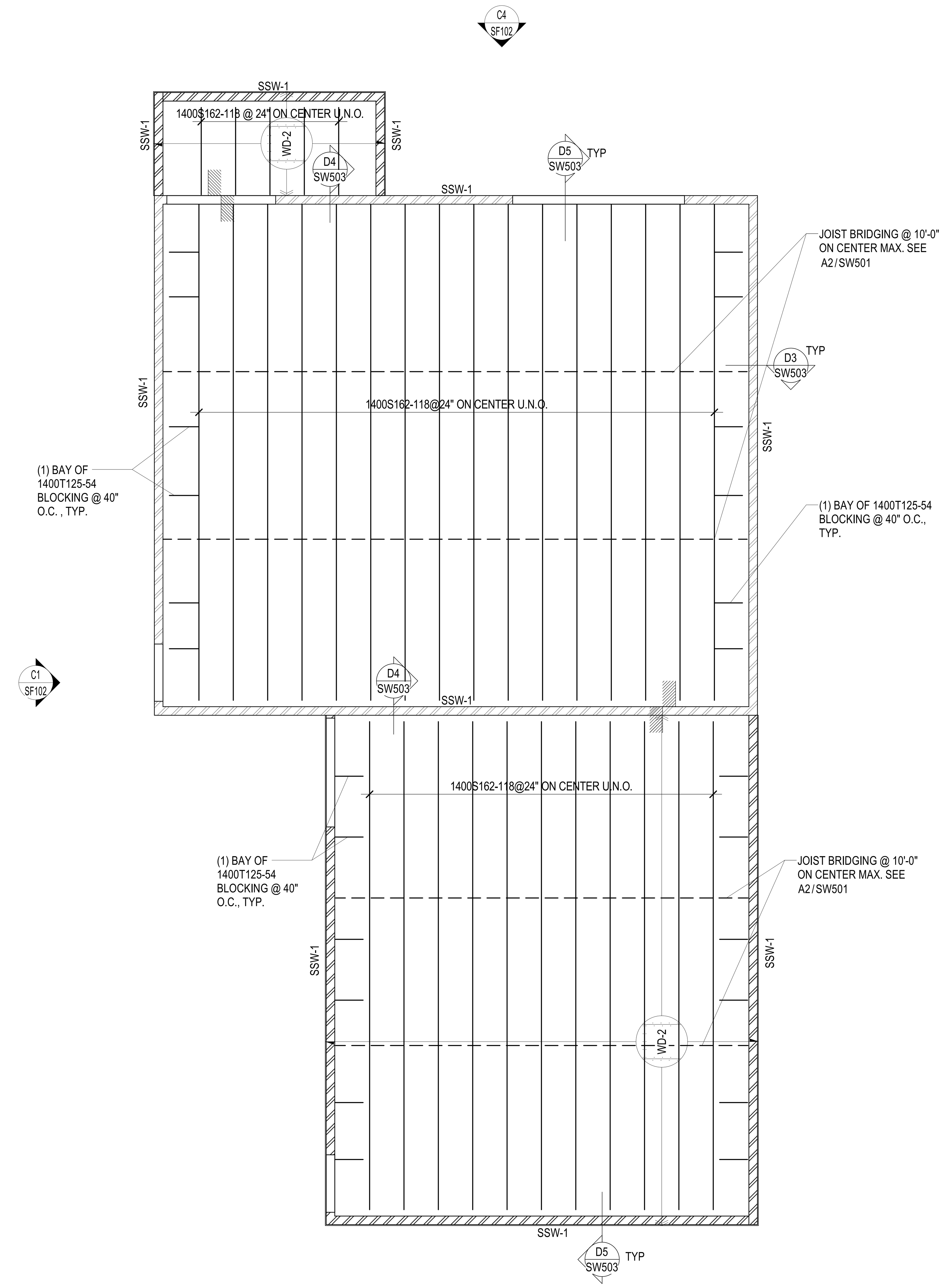
NOTE:
PROTECT EXISTING SLAB ON GRADE. DO NOT ANCHOR ANYTHING INTO THE EXISTING SLAB ON GRADE.

NOTES:
1 ALIGN WALL STUDS WITH ROOF JOISTS PER DETAIL D1/SW601.
2 PROVIDE AN ADDITIONAL WALL STUD, BACK TO BACK, UNDER THE BEARING POINTS OF BACK TO BACK ROOF JOISTS.
3 SEE SHEET SW601 FOR DIAPHRAGM SCHEDULE AND DETAIL
4 SEE SHEET SW601 FOR STEEL STUD WALL SCHEDULE.
5. USE 8- 3/4"Φ HILTI HY 200 V3 + HIT-Z WITH 4" EMBEDMENT FOR CONNECTION OF SCISSORLIFT TO CONCRETE.



A1 SF101 LEVEL 1 FRAMING PLAN

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



A4 SF101 ROOF FRAMING PLAN

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

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FLOOR AND ROOF FRAMING PLANS

SF101

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WALL FRAMING PLAN NOTES
1. VERIFY WALL OPENING WITH ARCHITECTURAL AND MEP.
2. PROVIDE DRIFT/DEFLECTION CONNECTIONS AT NON-LOAD BEARING PARTITION WALLS. SEE ARCH FOR LOCATIONS.
3. INSTALL WALL STUDS IN-LINE WITH JOISTS. AT DOUBLE JOISTS, PROVIDE BACK TO BACK STUD IN WALL. FASTEN WEBS TOGETHER W/ #10 @ 12" O.C.
4. SEE TYPICAL LOAD-BEARING STEEL STUD WALL SCHEDULE ON SW601.
5. PROVIDE BRIDGING @ 4'-0" O.C ON WALL UNO.PER DETAIL A2/SW501 .

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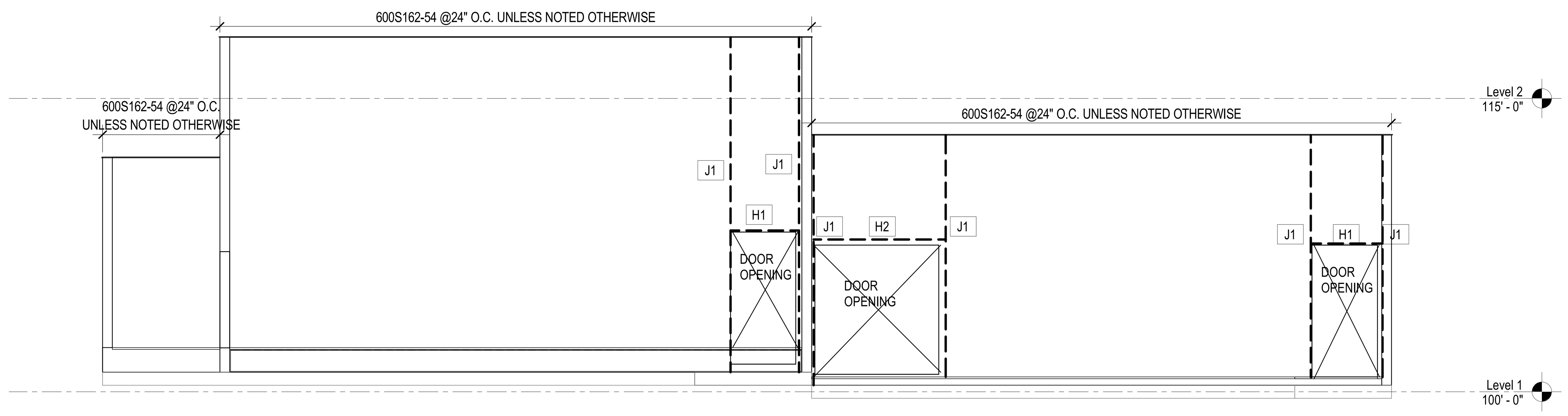
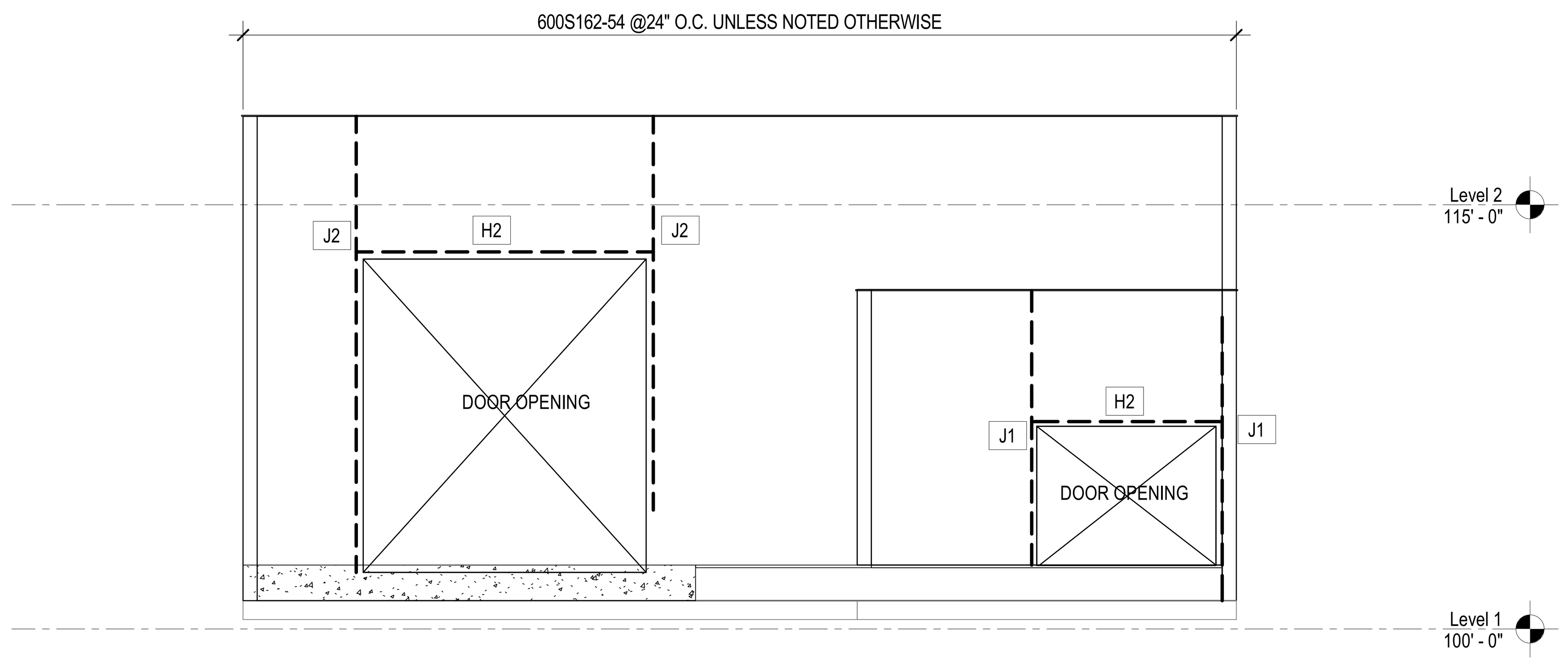


C1 SF102 West Elevation
SCALE: 1/4" = 1'-0"



C4 SF102 North Elevation
SCALE: 1/4" = 1'-0"

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STRUCTURAL FRAMING ELEVATIONS

SF102

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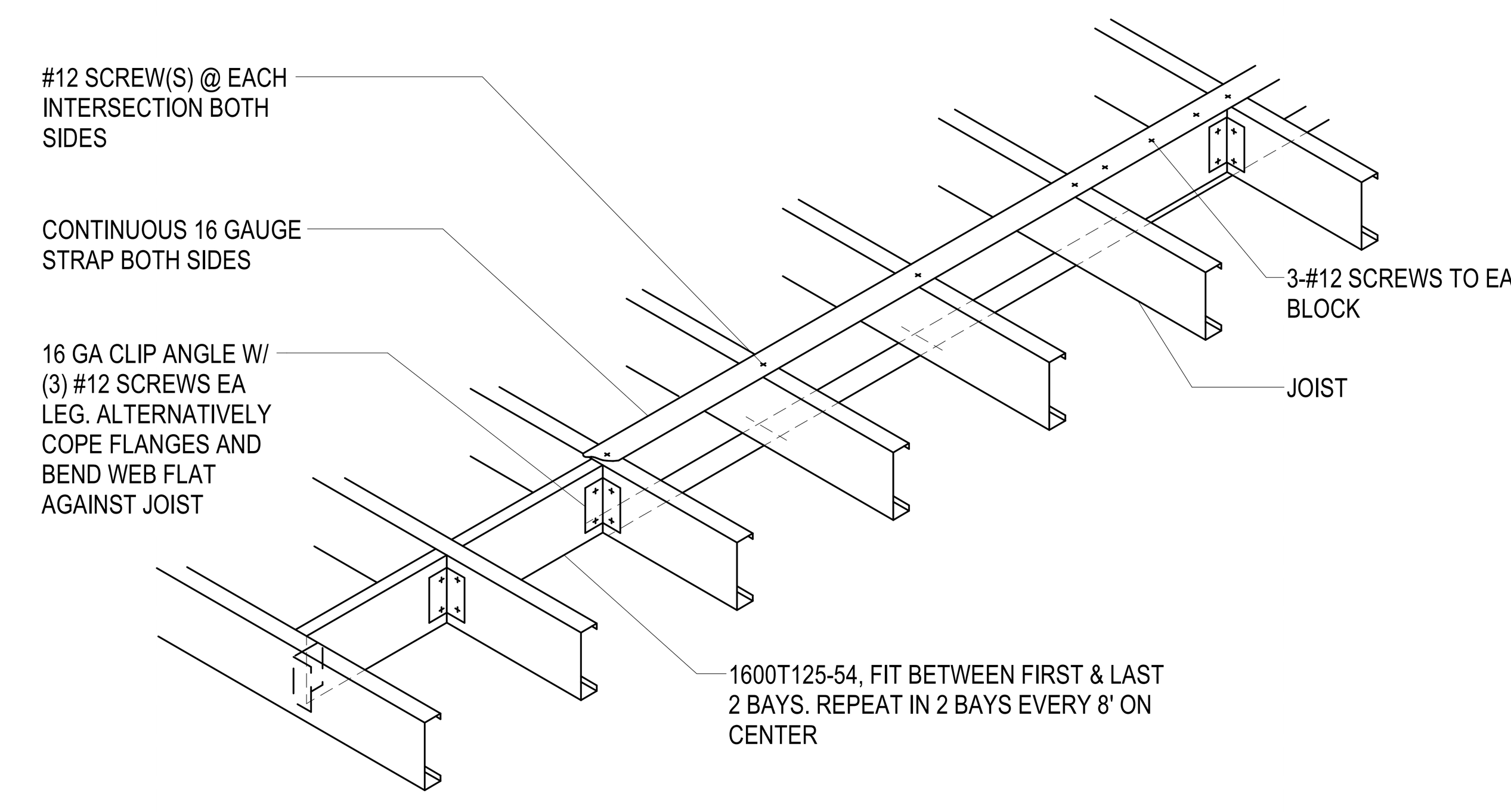
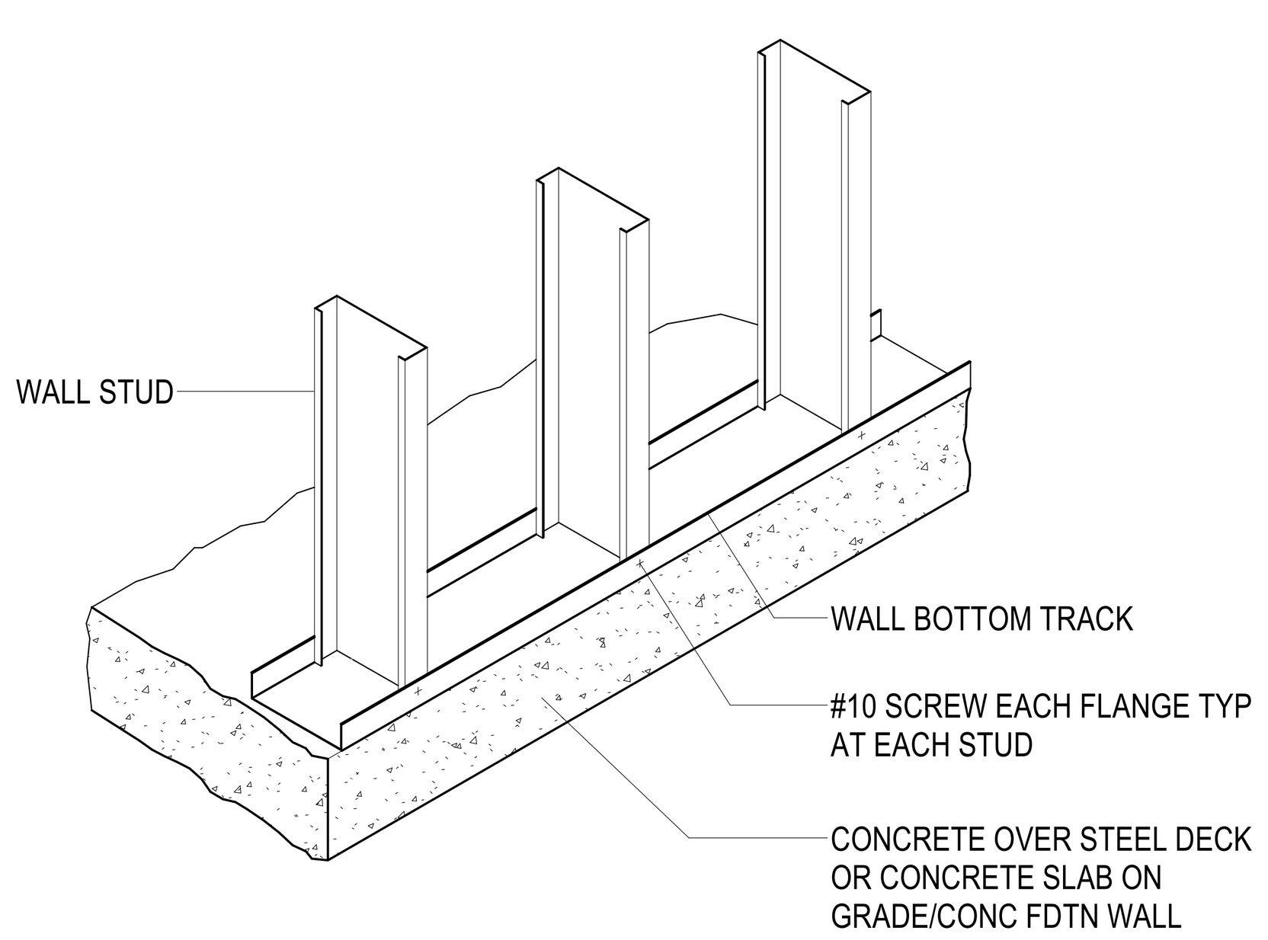
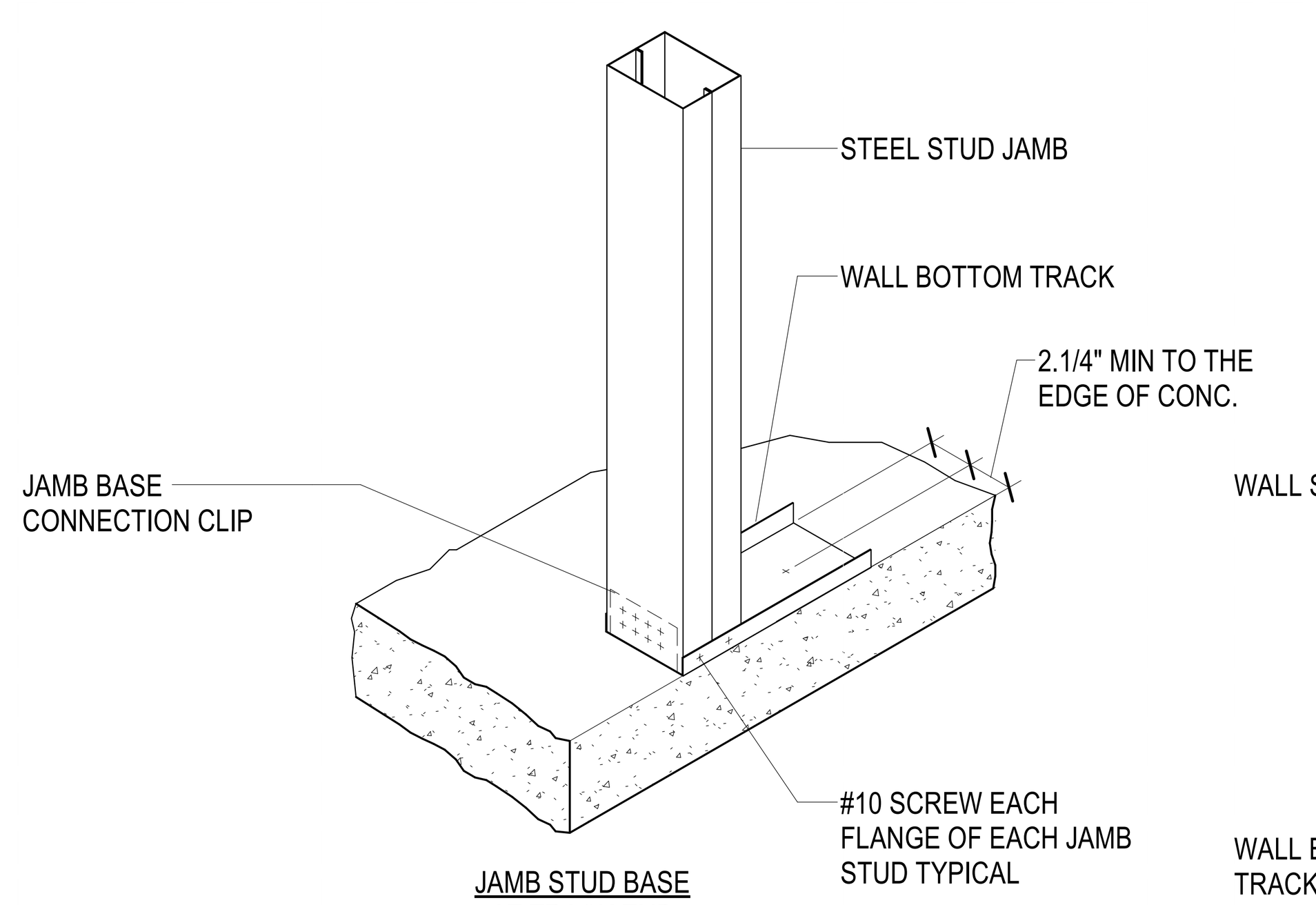


D4 SW501 JOIST BLOCK AND STRAP BRIDGING

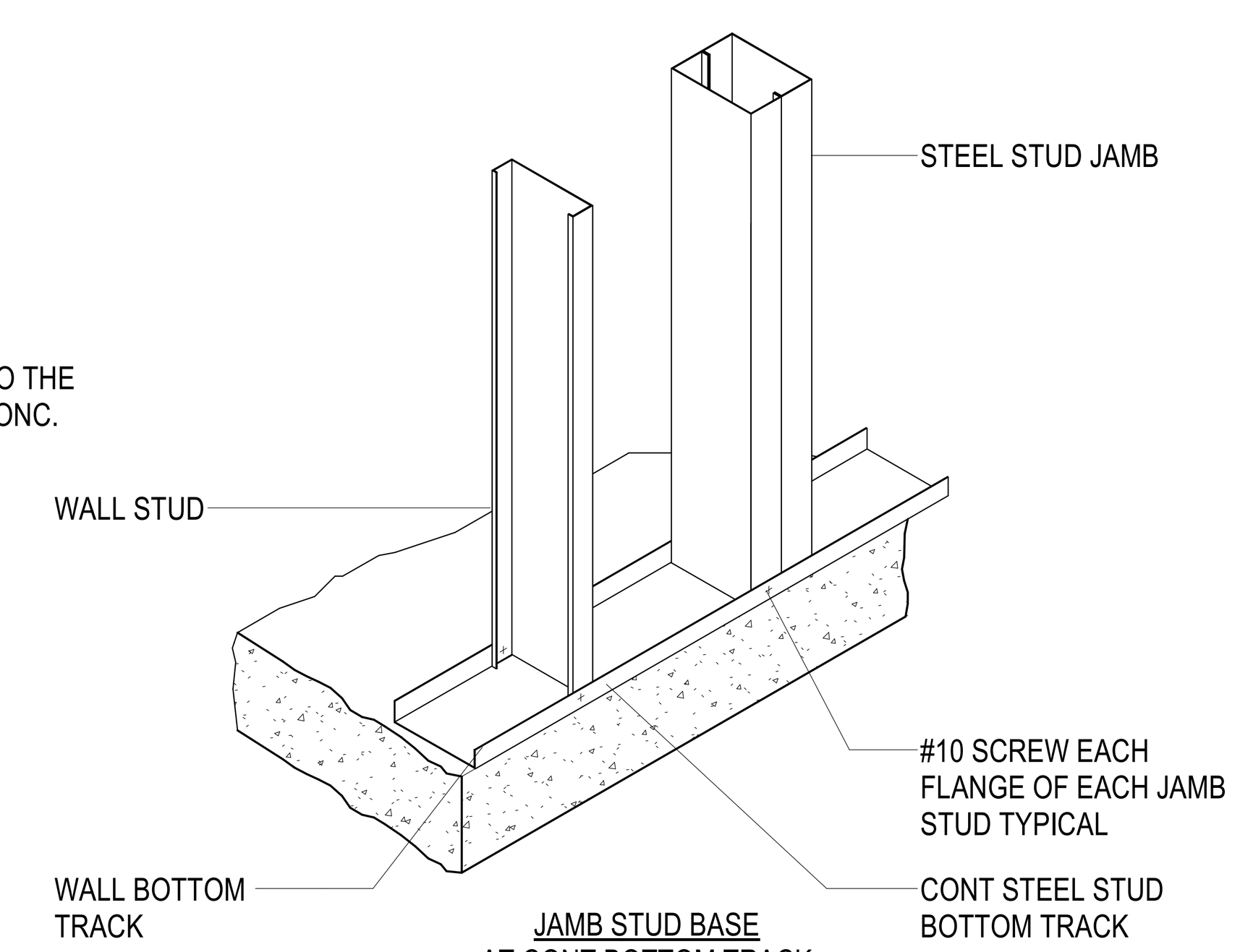
NO SCALE

NOTE:
PROTECT EXISTING SLAB ON GRADE. DO NOT ANCHOR ANYTHING INTO THE EXISTING SLAB ON GRADE





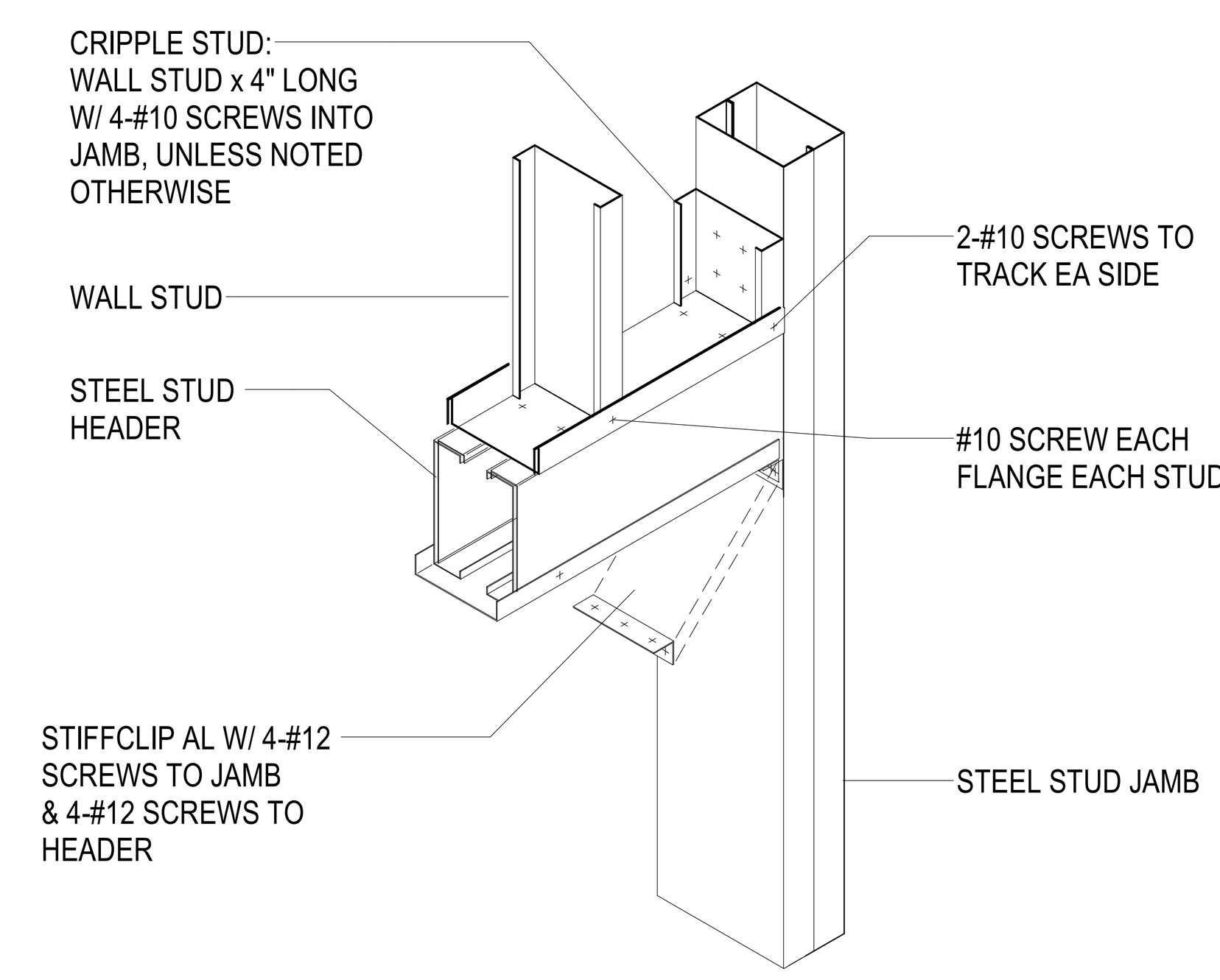
JAMB STUD BASE
AT TRACK END



JAMB STUD BASE
AT CONT BOTTOM TRACK

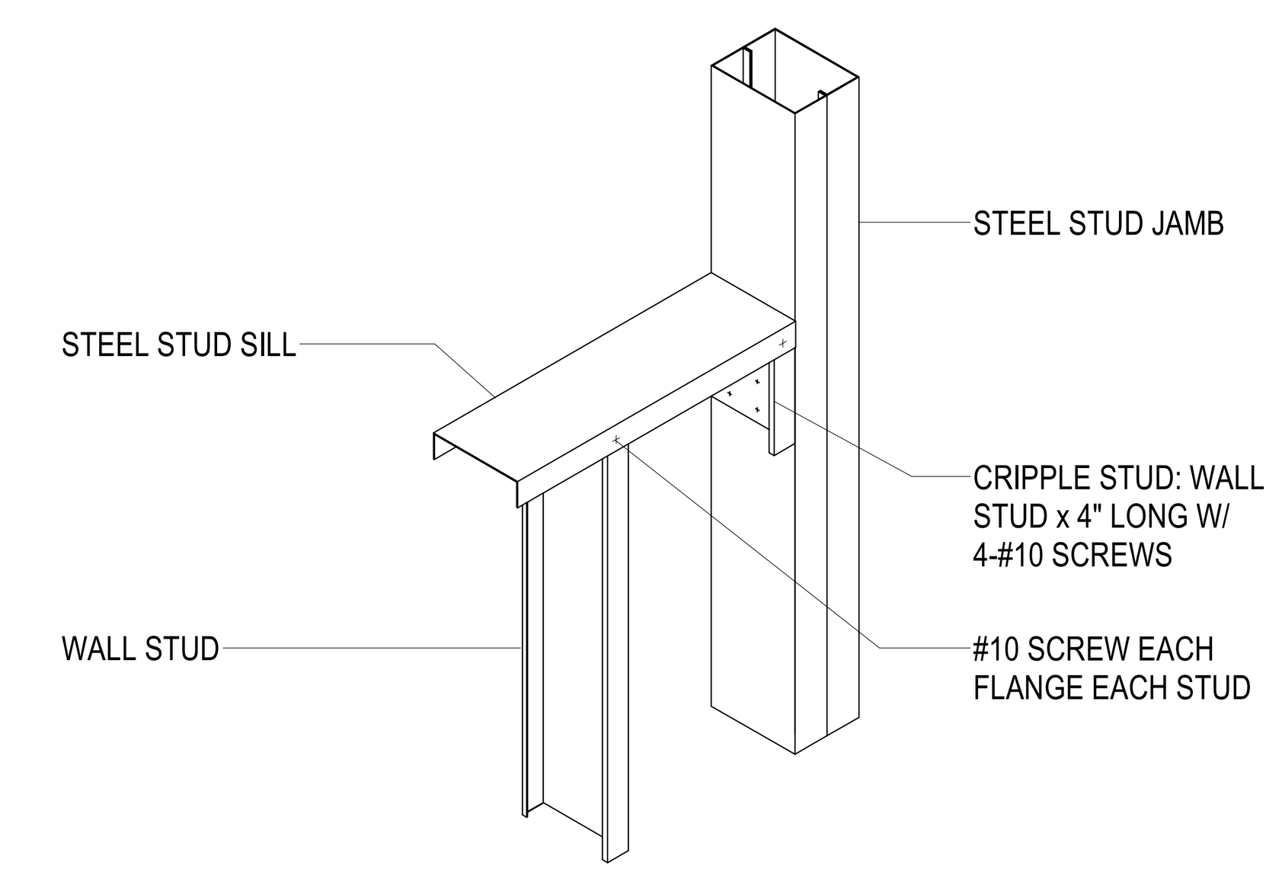
C1 SW501 TYPICAL BOTTOM TRACK ANCHORAGE DETAILS

NO SCALE



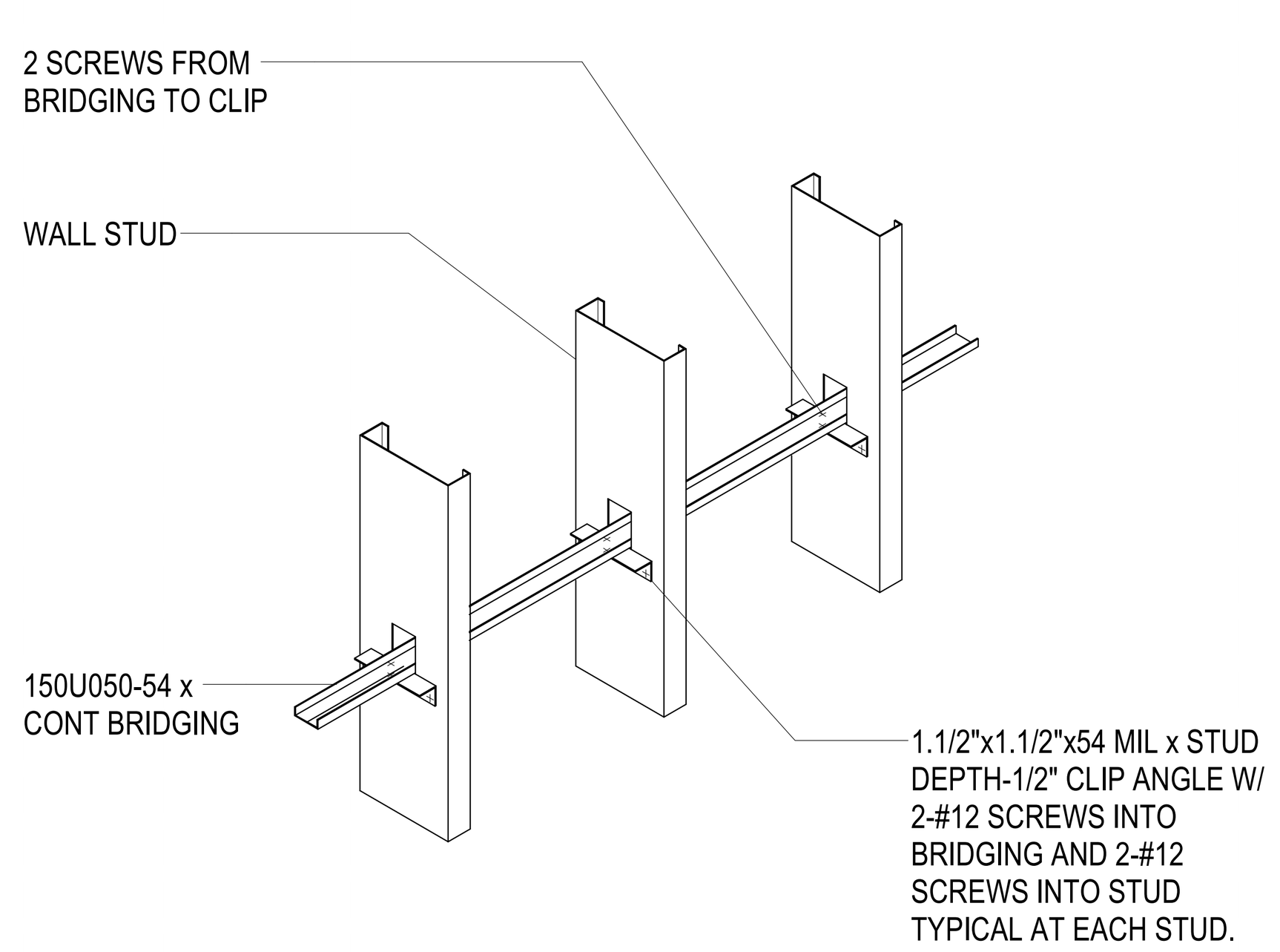
C4 SW501 TYPICAL HEADER CONNECTION DETAILS

NO SCALE

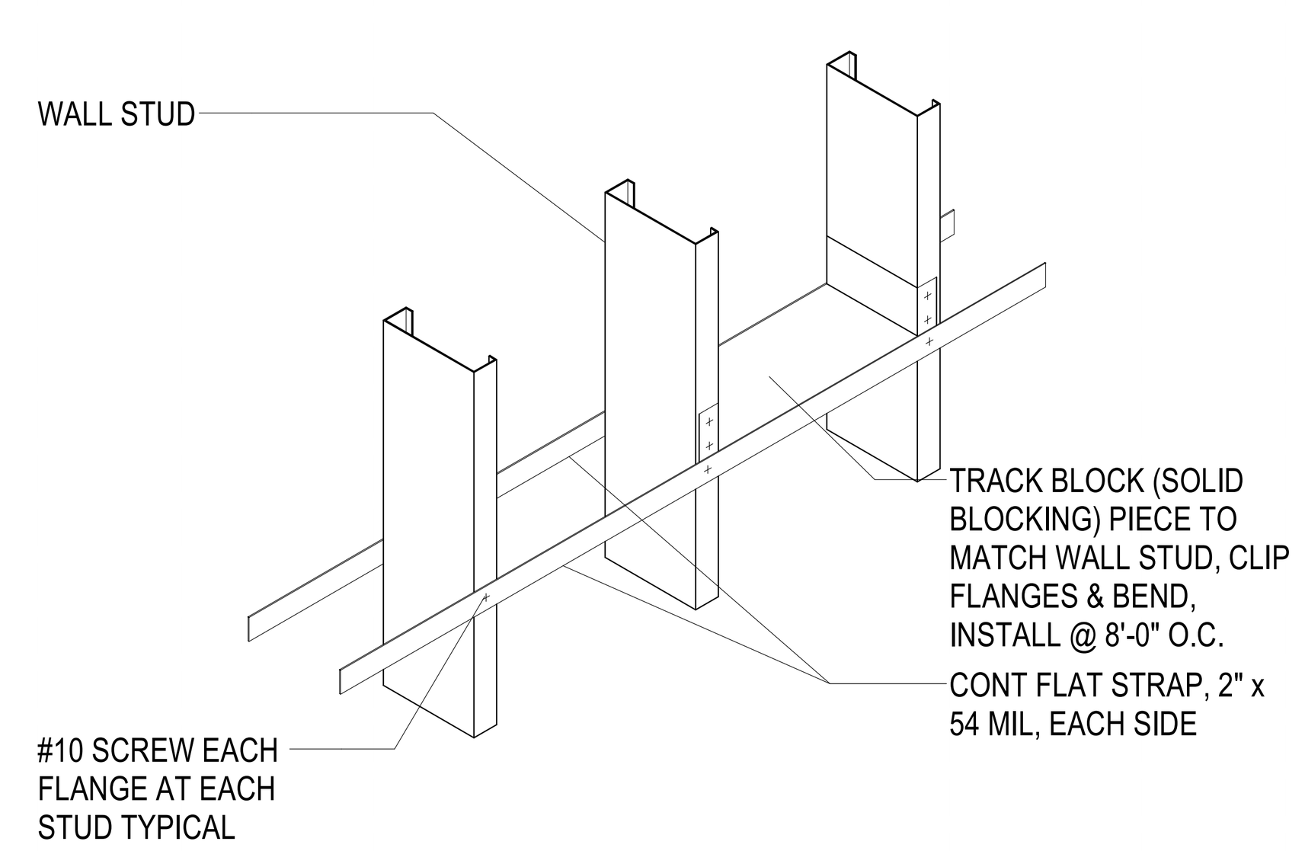


C5 SW501 TYPICAL SILL CONNECTION DETAILS

NO SCALE



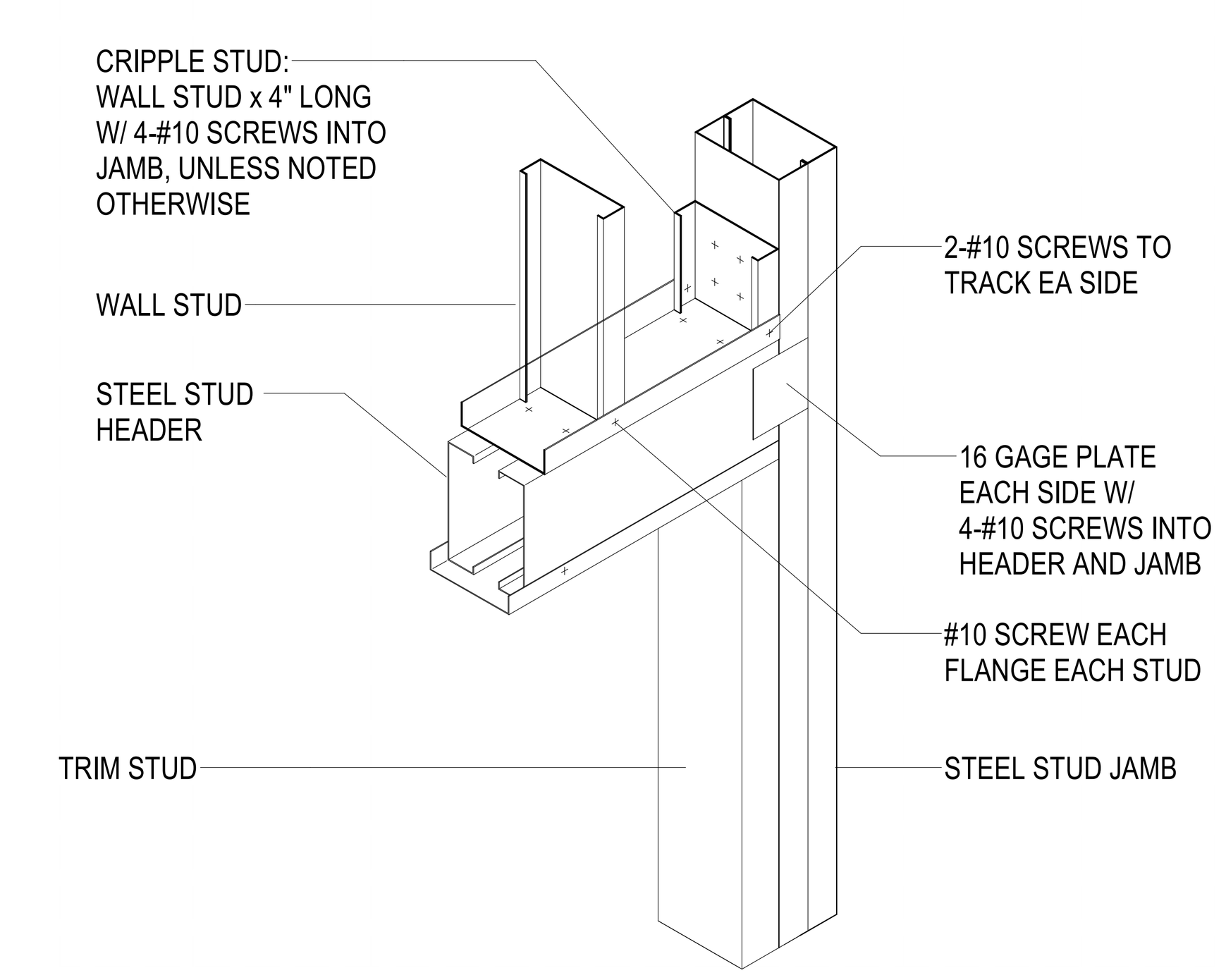
OPTION #1



OPTION #2

A2 SW501 TYPICAL STEEL STUD WALL BRIDGING DETAIL

NO SCALE



A5 SW501 TYPICAL HEADER CONNECTION DETAILS

NO SCALE

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TYPICAL COLD-FORMED STEEL STUD DETAILS

SW501

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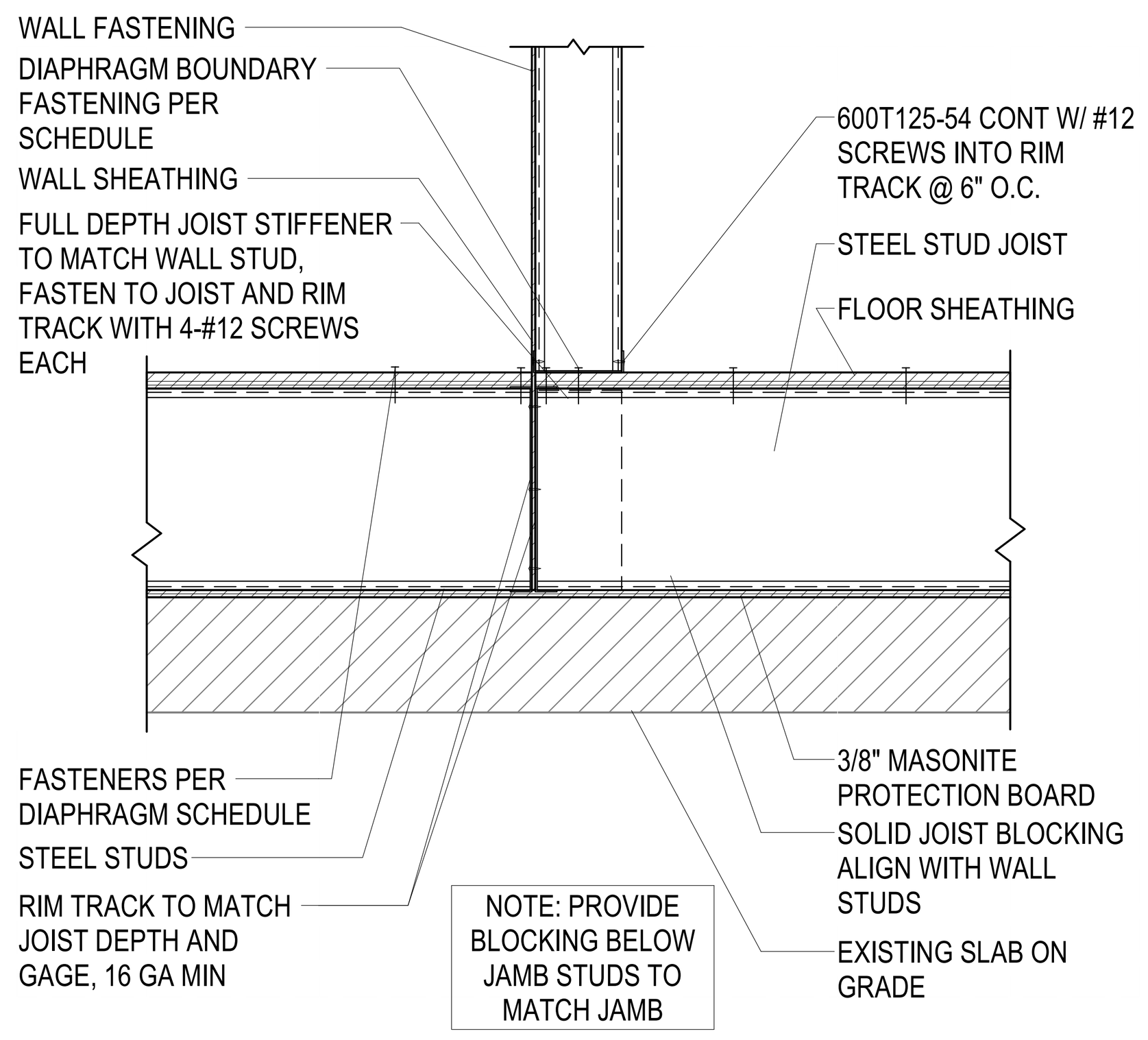
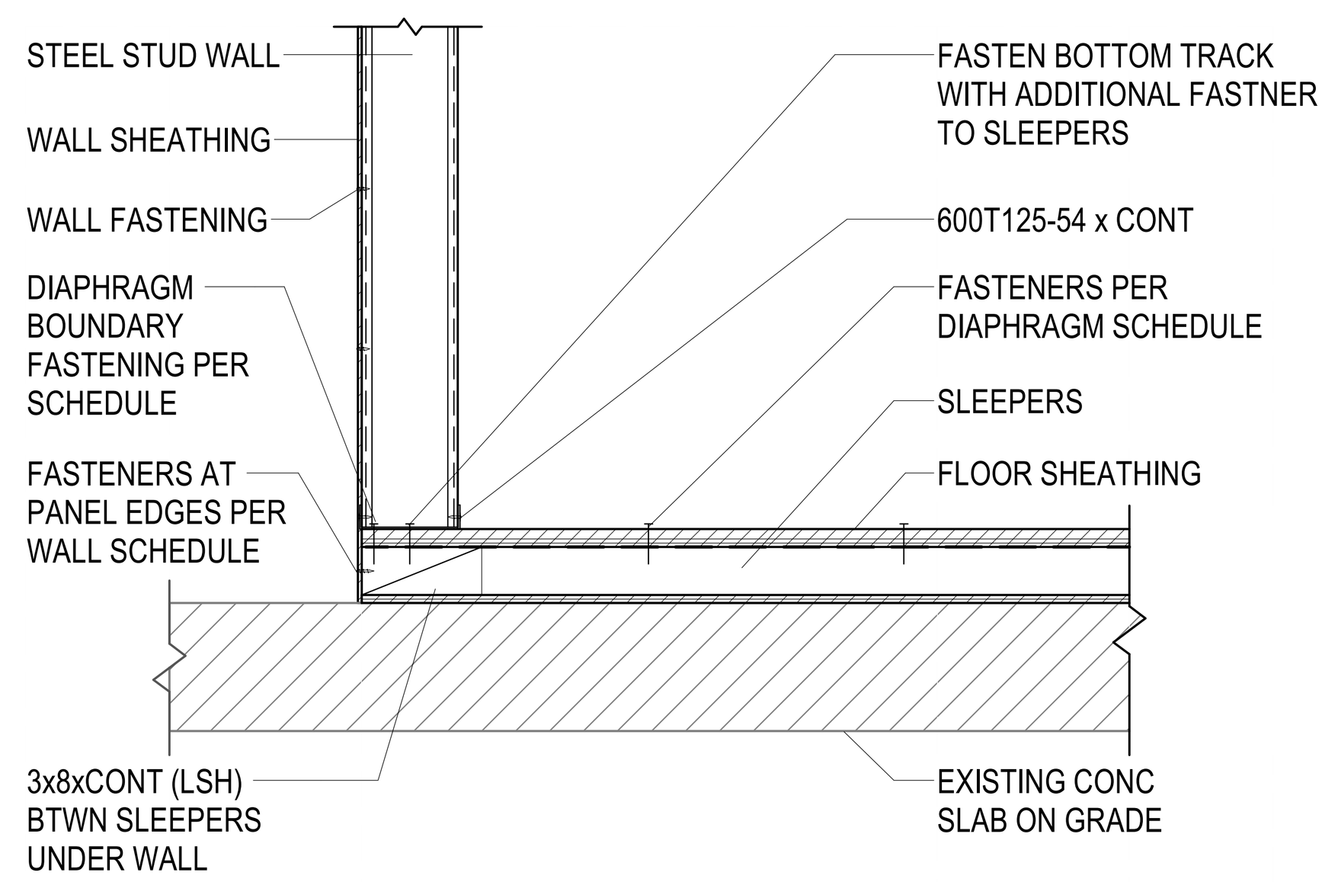
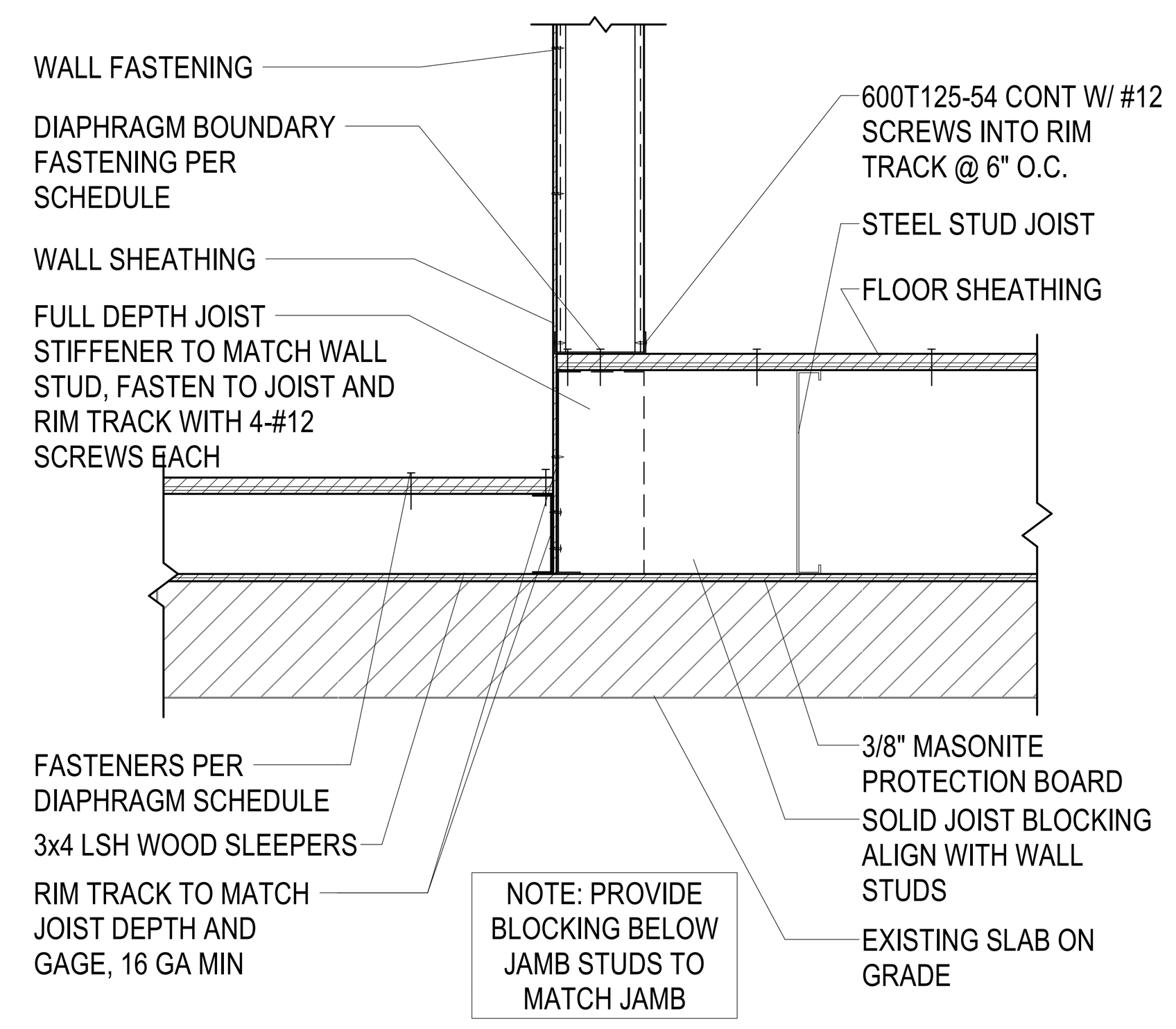


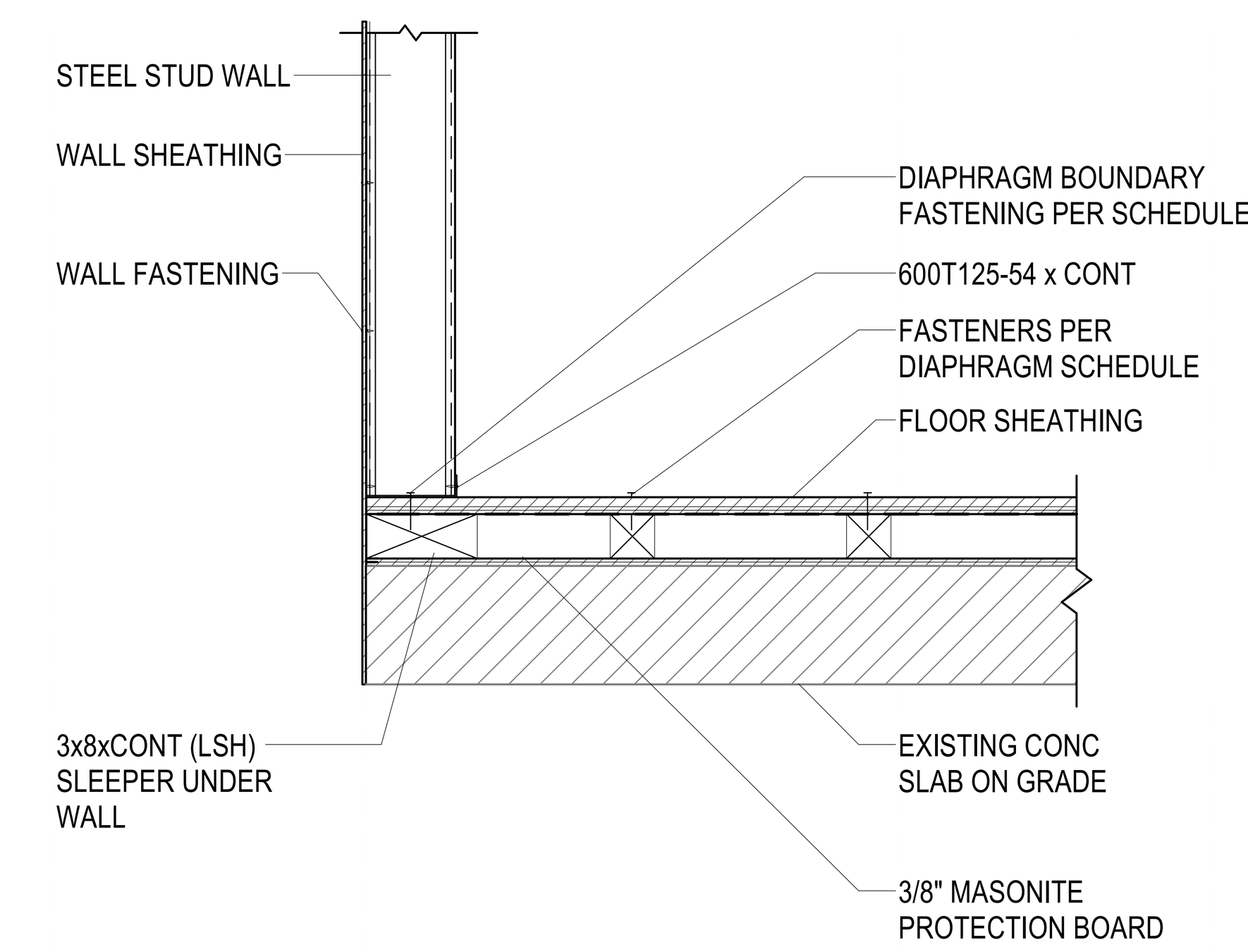
C1 SW502 CHANGE IN FLOOR JOIST IN WALL
NO SCALE



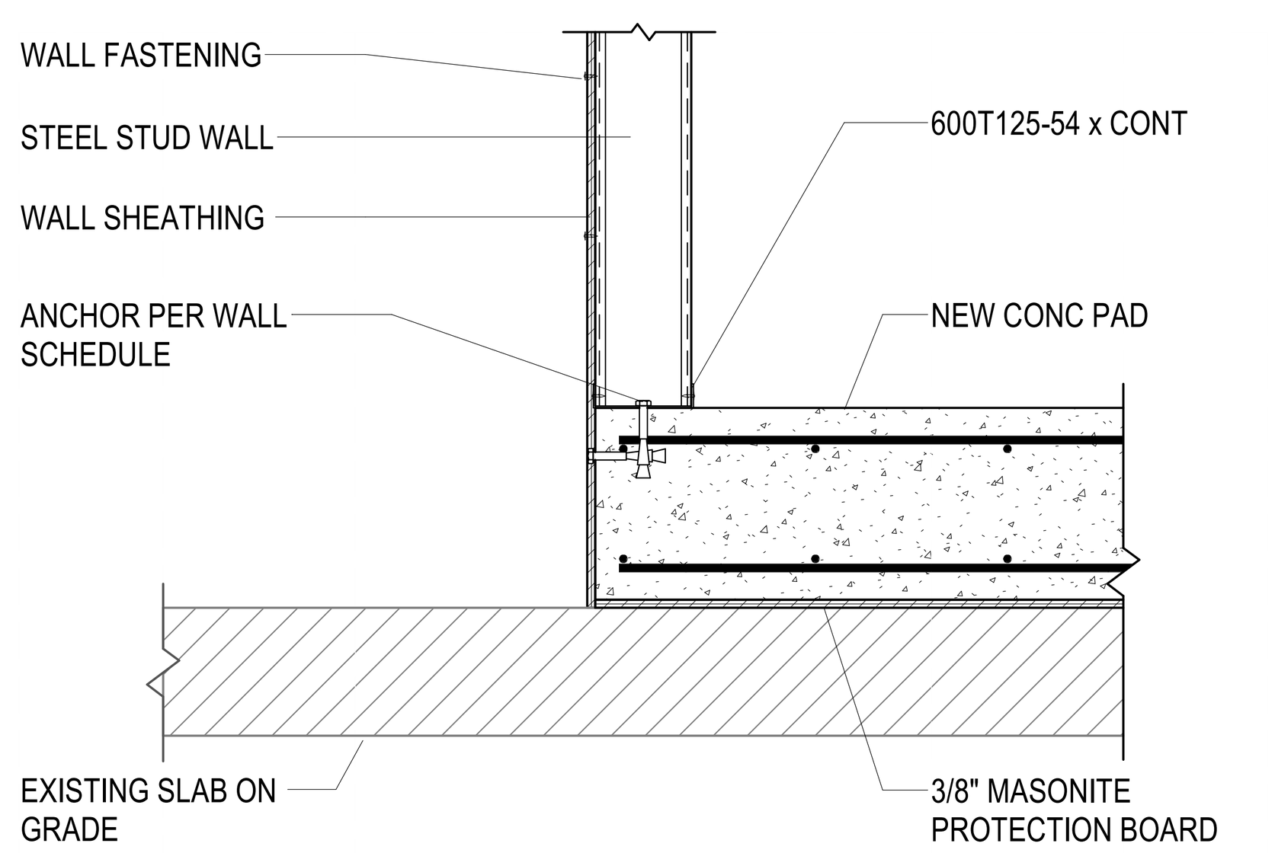
C2 SW502 FLOOR FRAMING W/ SLEEPERS AT WALL
NO SCALE



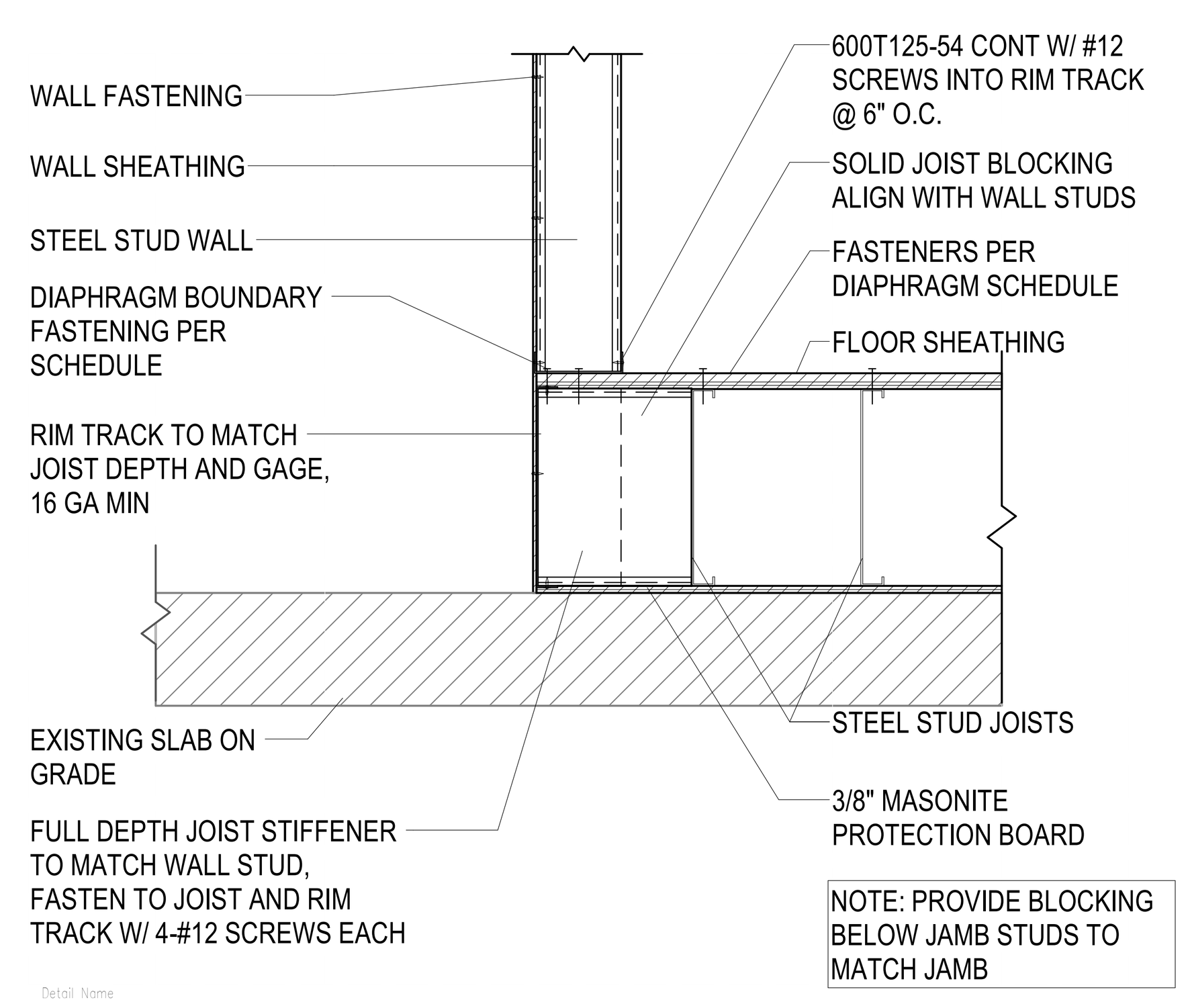
C3 SW502 CHANGE IN FLOOR JOIST AT WALL CONNECTION
NO SCALE



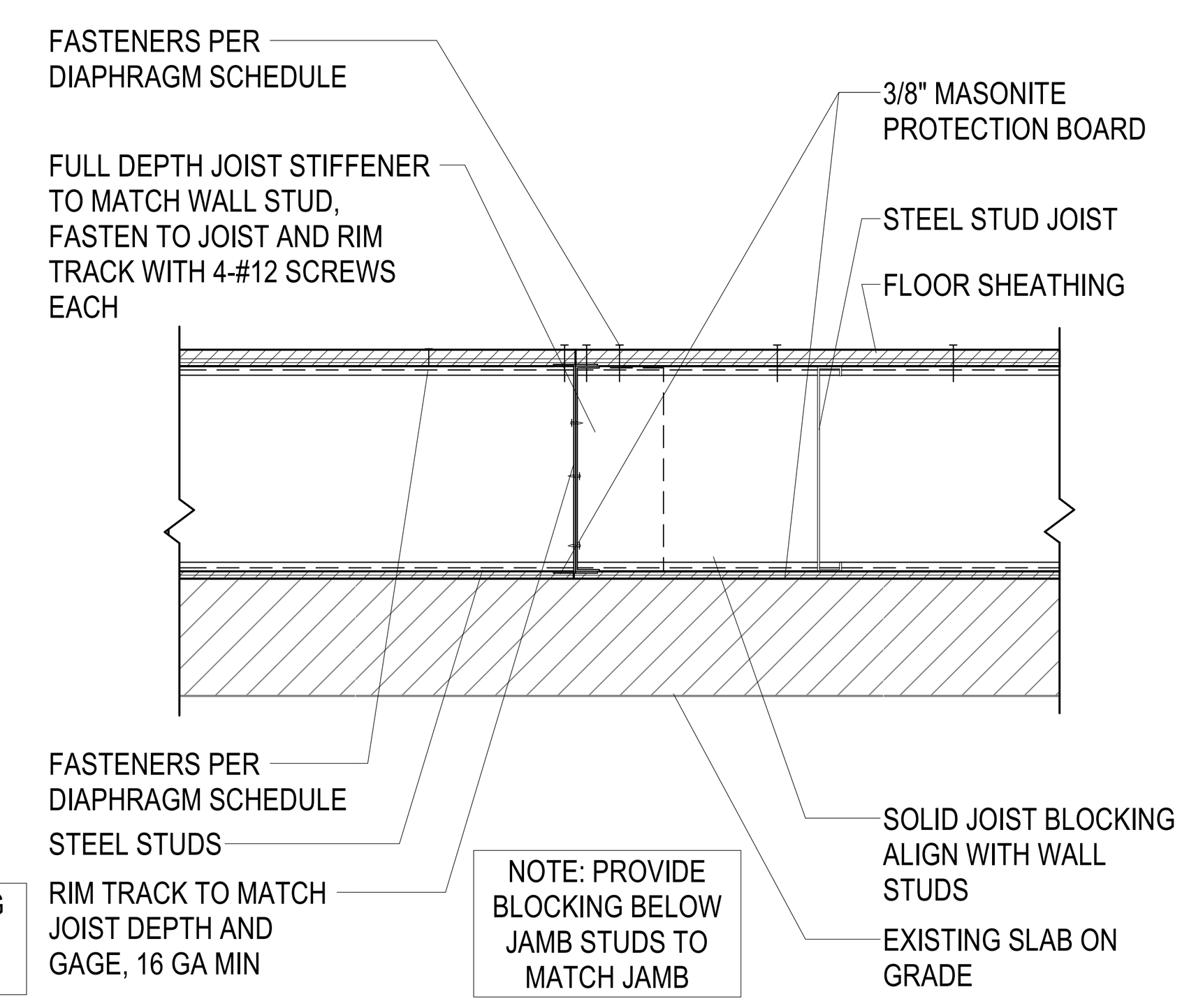
C5 SW502 FLOOR FRAMING WITH SLEEPERS AT WALL
NO SCALE



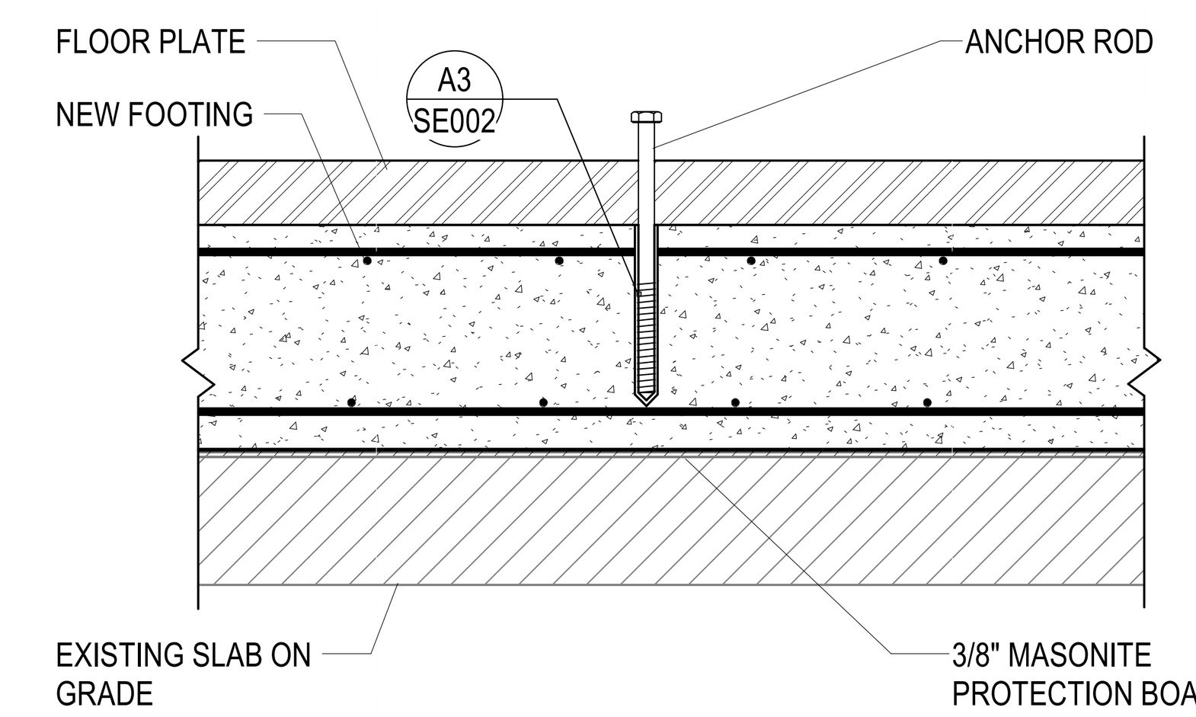
B1 SW502 STEEL FLOOR JOIST IN CONCRETE BASE
NO SCALE



B2 SW502 STEEL FLOOR JOIST AT WALL CONNECTION
NO SCALE

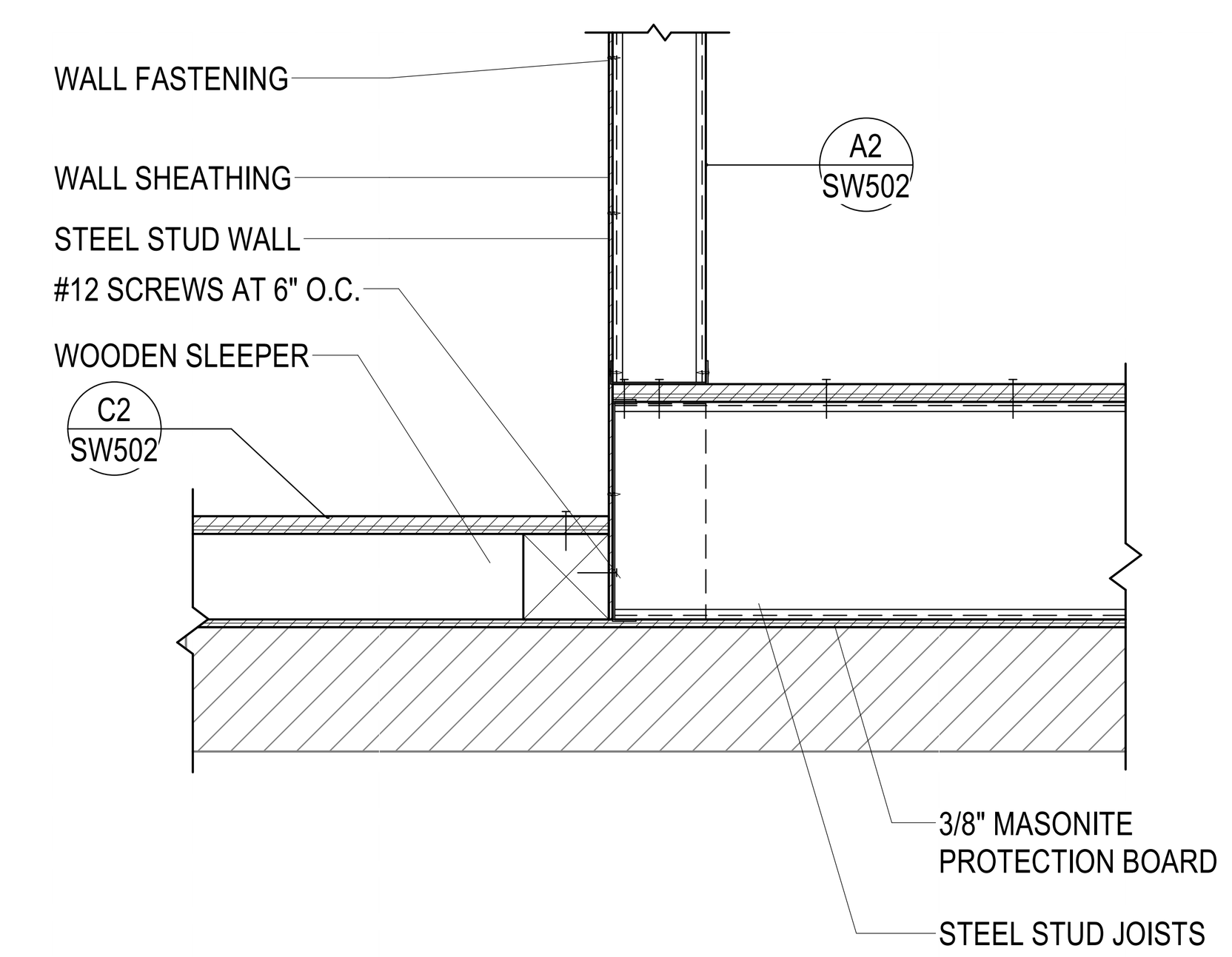


B3 SW502 CHANGE IN FLOOR JOIST IN OPENING
NO SCALE

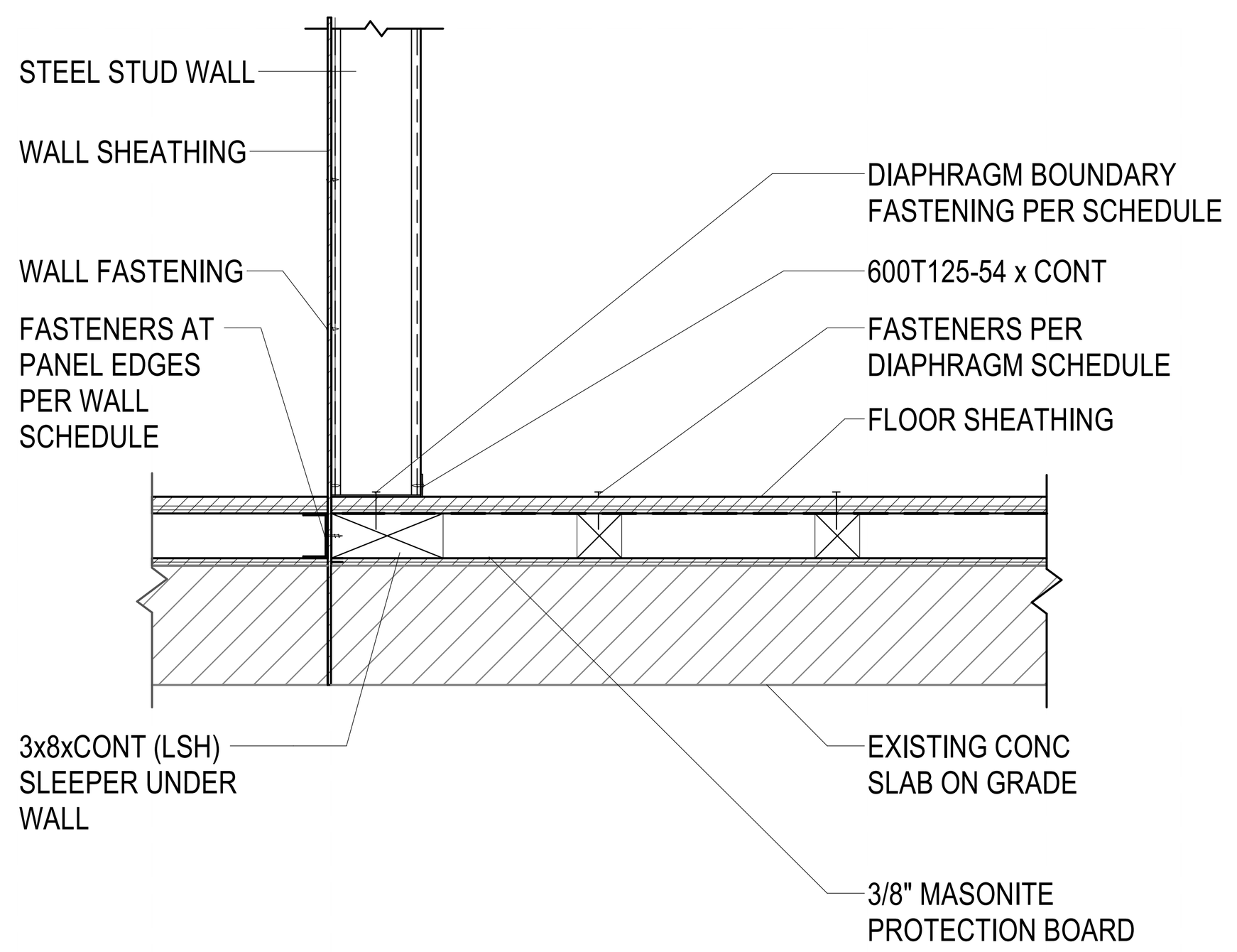


NOTE:
ANCHORAGE FROM MOTION BASE TO NEW FOOTING:
ANCHOR MOOG MB-EP-6DOF MOTION BASE TO CONCRETE FOOTING USING EPOXY-SET THREADED ANCHOR RODS INSTALLED AT ALL FLOOR ANCHOR LOCATIONS SHOWN ON THE MOOG PLAN VIEW.
PROVIDE EIGHTEEN (18) ANCHORS TOTAL.
ANCHOR RODS SHALL BE M20 NOMINAL (TO SUIT Ø24 MM MOUNTING HOLES) INSTALLED WITH HILTI HIT-RE 500 OR APPROVED EQUAL, IN ACCORDANCE WITH THE ANCHOR MANUFACTURER'S ICC-ES EVALUATION REPORT.
PROVIDE MINIMUM 11.5 IN (292 MM) EMBEDMENT, UNLESS NOTED OTHERWISE.
PROVIDE NON-SHRINK GROUT BENEATH ALL BASE PLATES AND EPOXY "DYNAMIC SET" BETWEEN ANCHOR RODS AND BASE PLATE HOLES.
REFER TO MOOG INSTALLATION MANUAL AND MOOG SYSTEM SPECIFICATION FOR COMPLETE ANCHORAGE REQUIREMENTS. MANUFACTURER REQUIREMENTS SHALL GOVERN IN CASE OF DISCREPANCY.

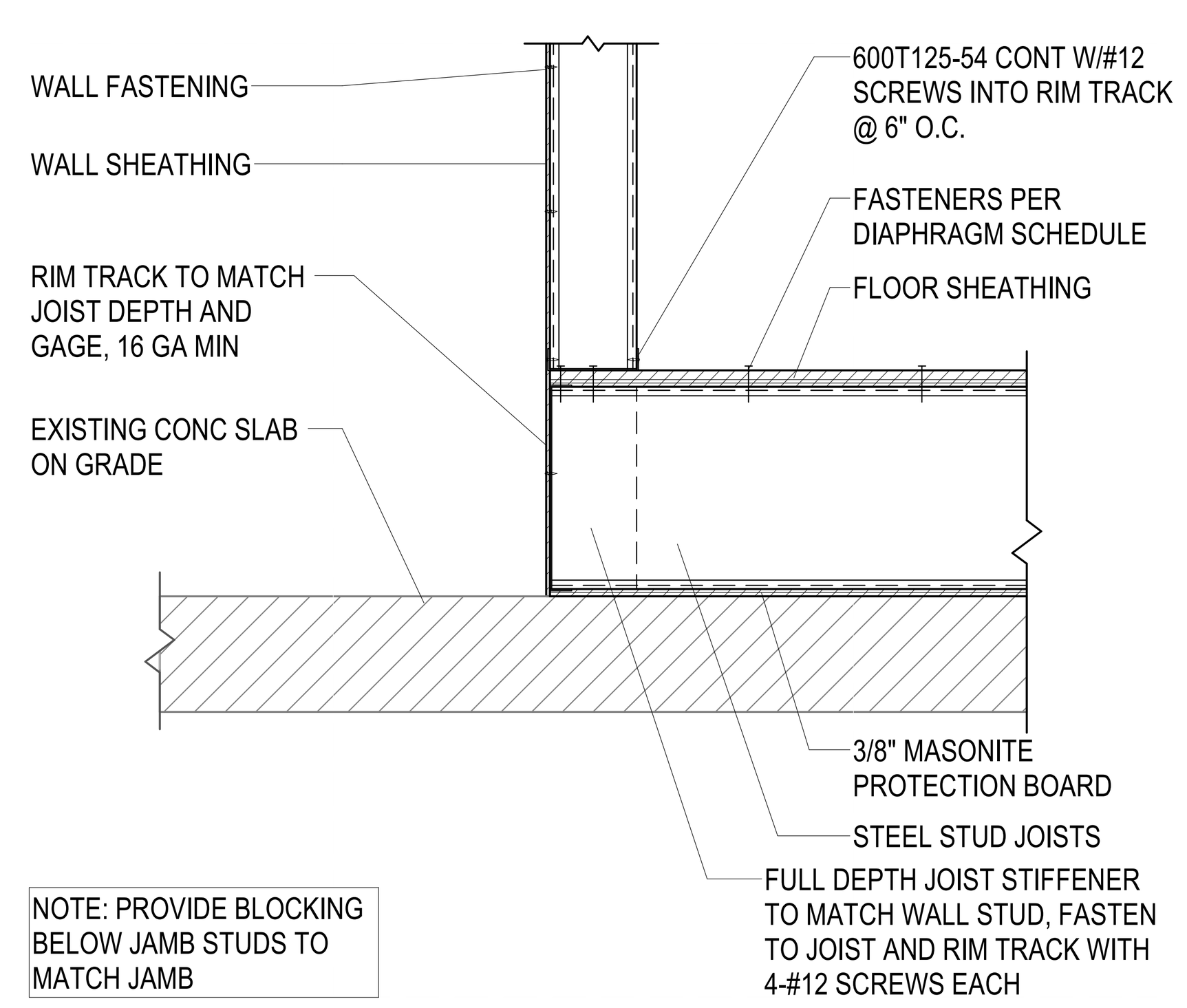
B4 SW502 EQUIPMENT ANCHORAGE DETAIL-MOTION BASE
NO SCALE



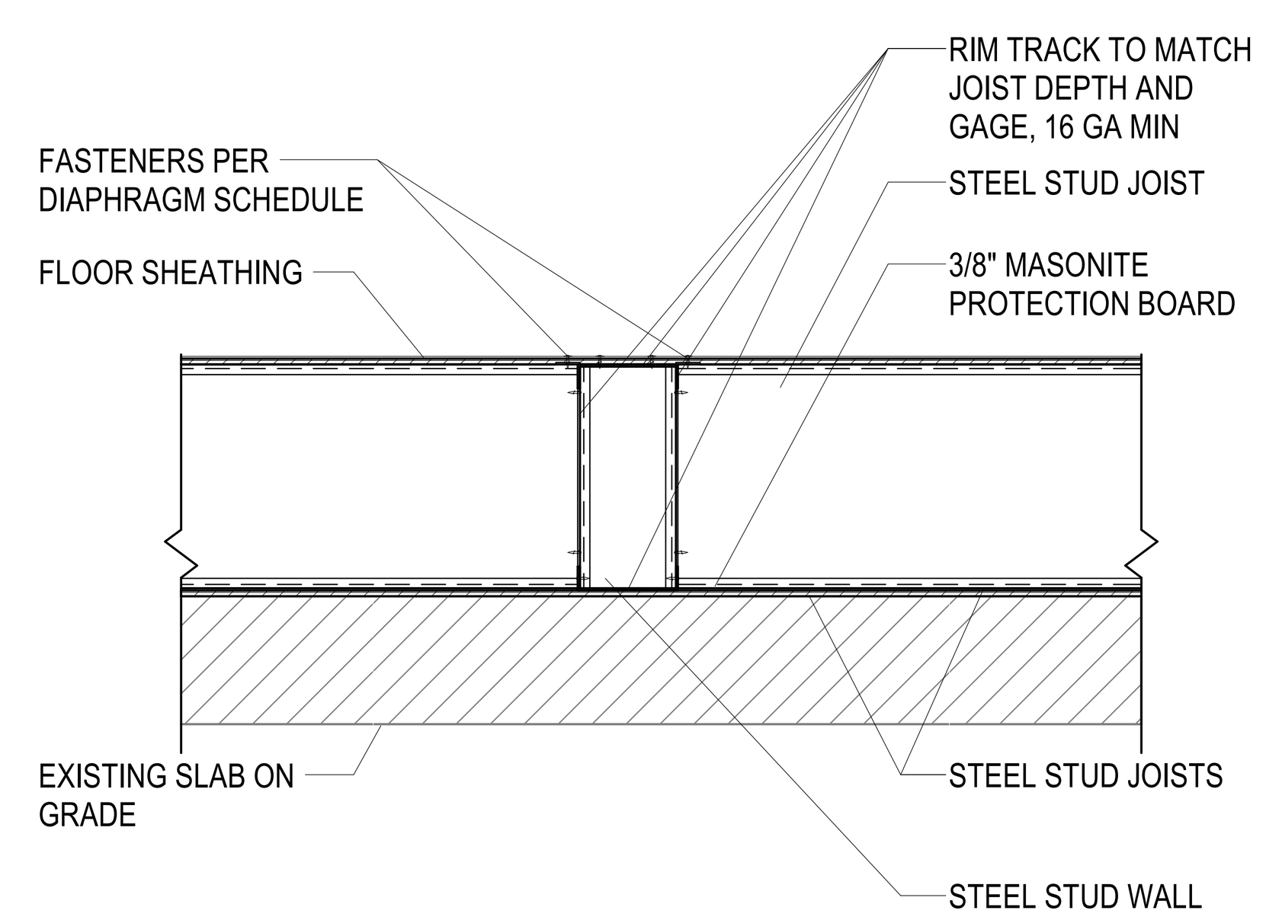
B5 SW502 CHANGE IN FLOOR JOIST AT WALL
NO SCALE



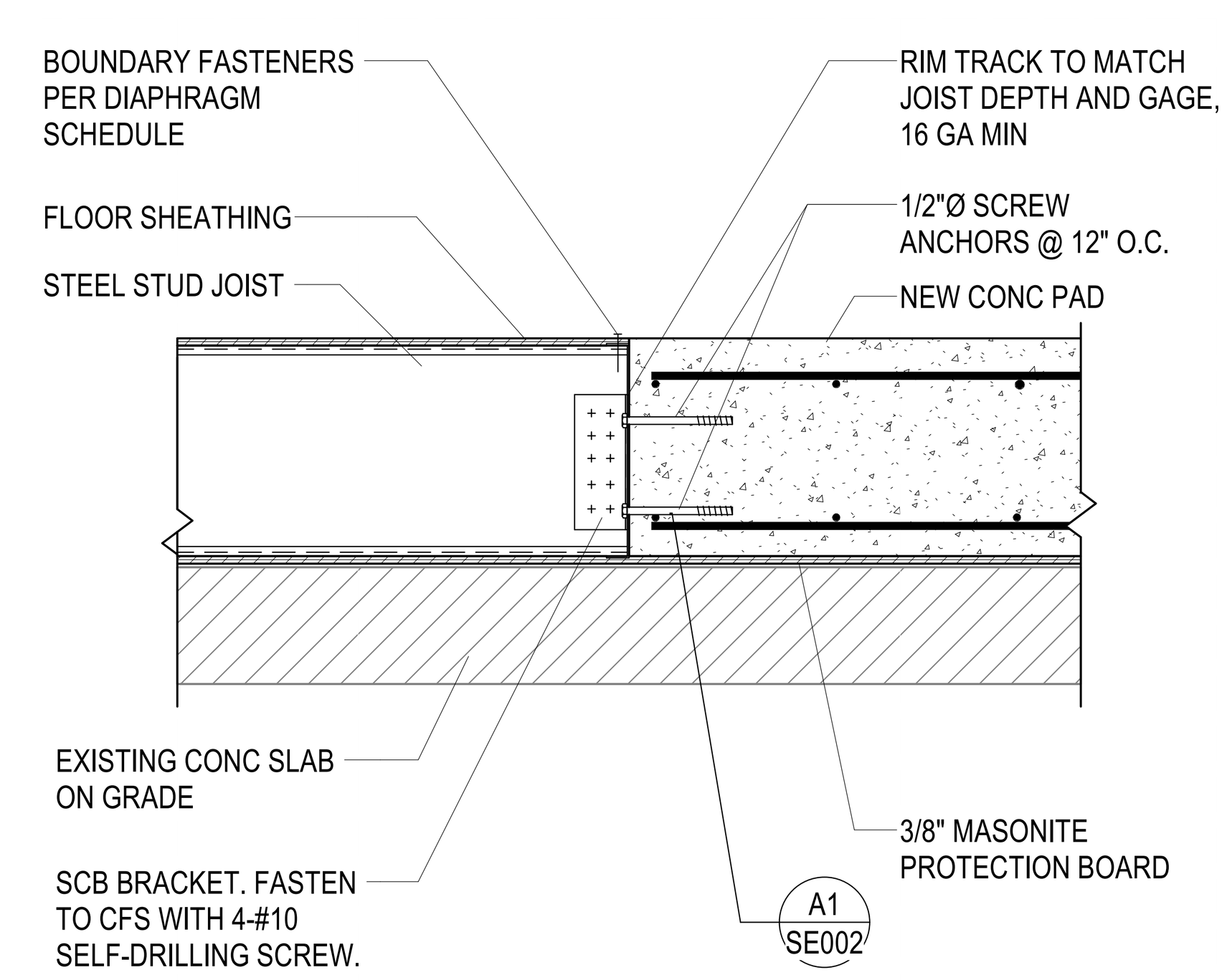
A1 SW502 FLOOR FRAMING WITH SLEEPERS AT WALL
NO SCALE



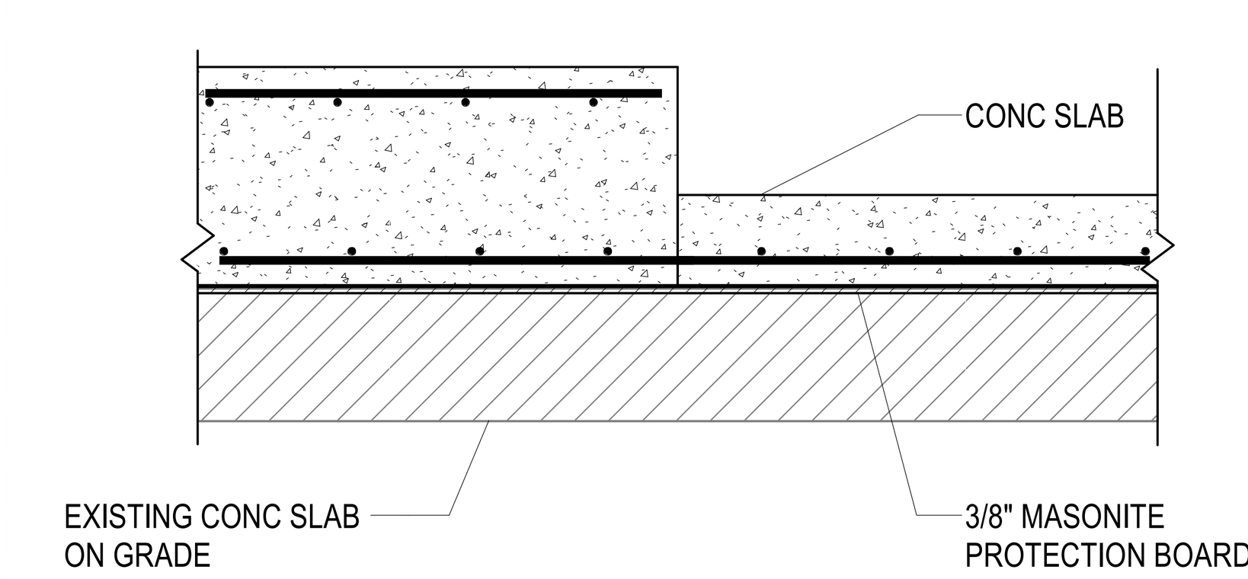
A2 SW502 STEEL STUD JOIST BEARING AT BASE
NO SCALE



A3 SW502 CHANGE IN FLOOR JOIST IN WALL
NO SCALE



A4 SW502 STEEL JOIST AT NEW FOOTING
NO SCALE



A5 SW502 CHANGE IN FOOTING DETAIL
NO SCALE

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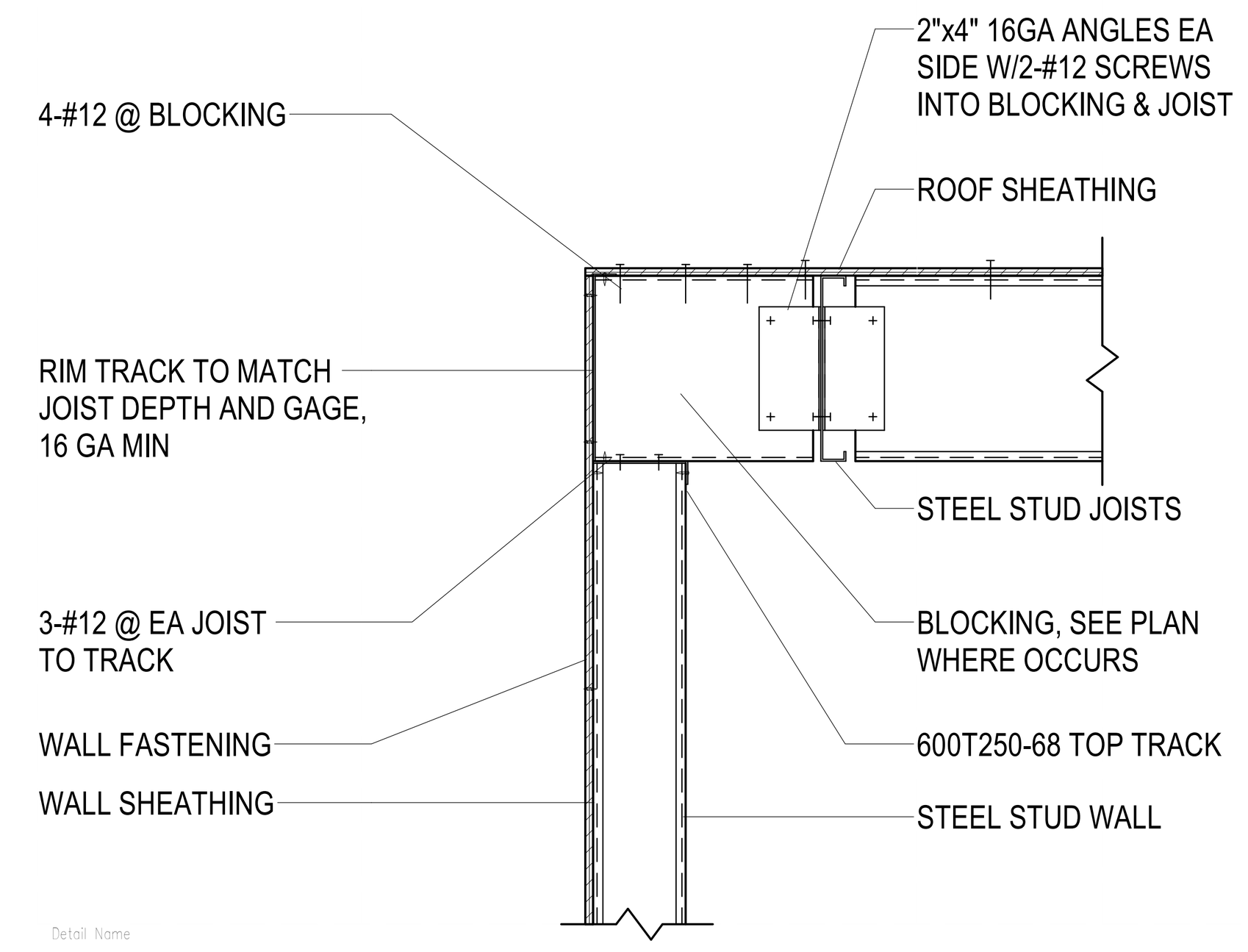
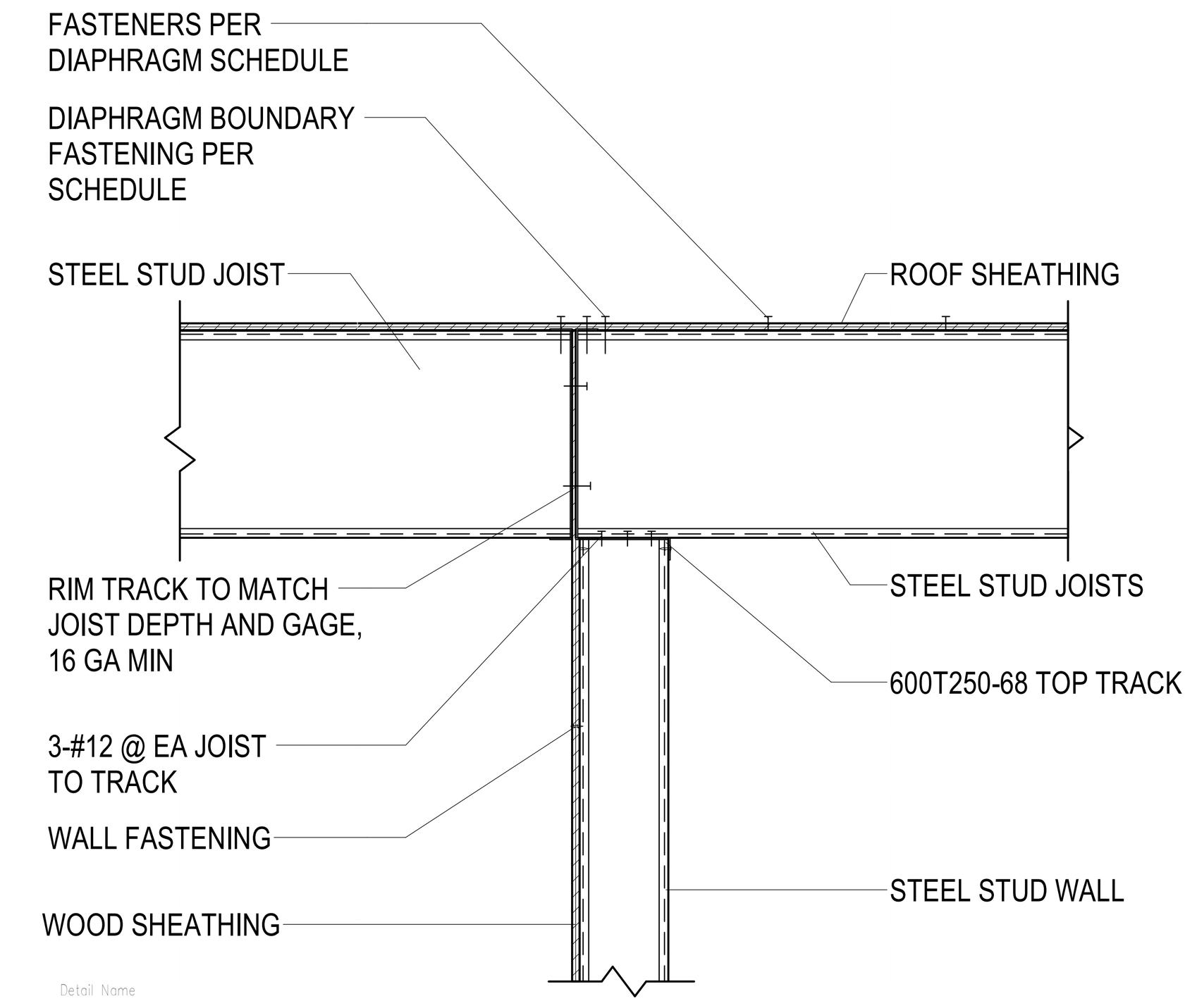
STEEL STUD DETAILS

SW502



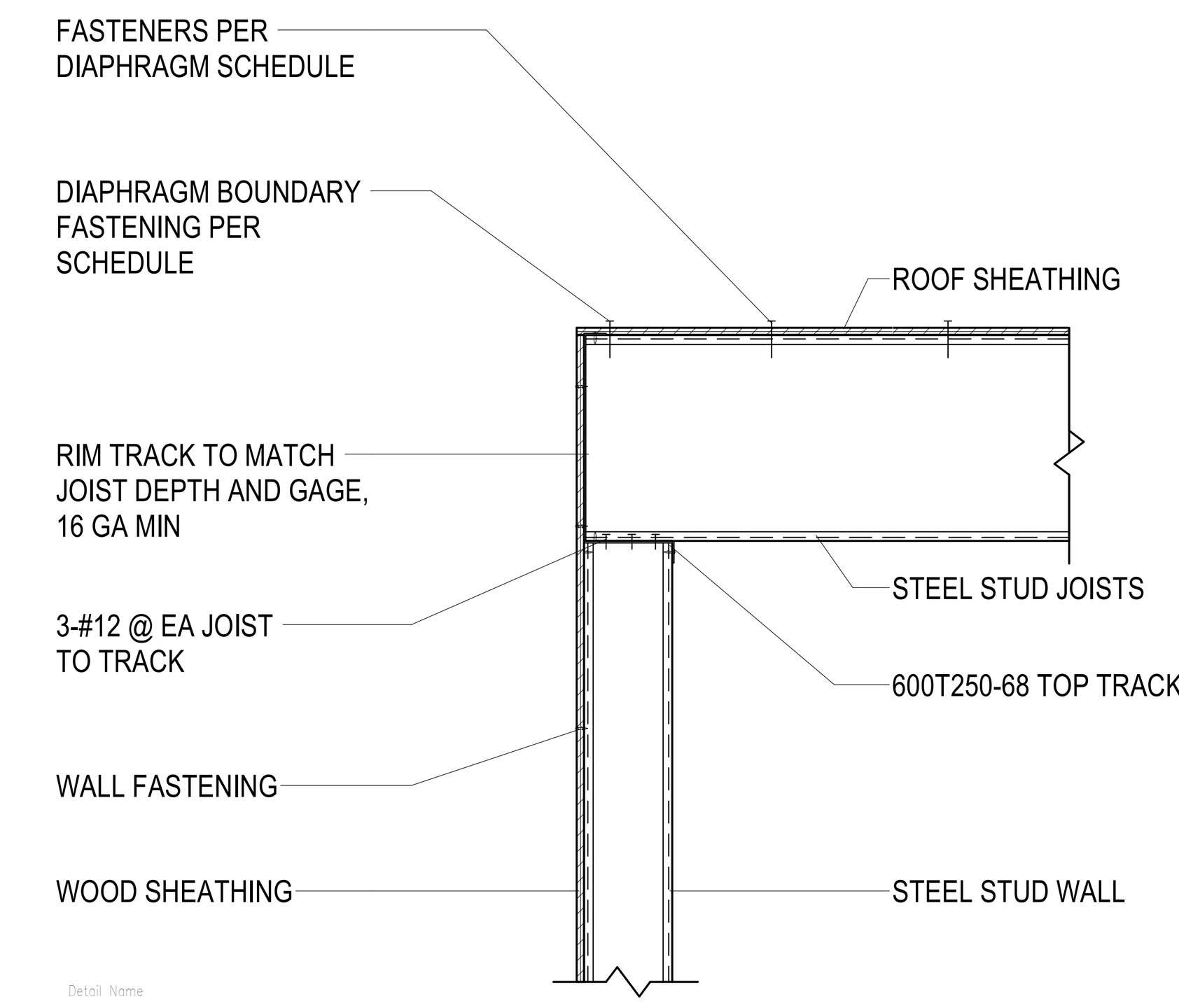
D3 SW503 BLOCKING AND JOISTS AT STEEL STUD WALL

NO SCALE



D4 SW503 STEEL STUD JOIST BEARING AT STEEL STUD WALL

NO SCALE



D5 SW503 STEEL STUD JOIST BEARING AT STEEL STUD WALL

NO SCALE

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PROFESSIONAL STRUCTURAL ENGINEER
No. 323725
DORIAN LEE ADAMS
STATE OF UTAH
12/11/2025

Intermountain Health
Intermountain Life Flight
Life Flight Simulator

2284 160 N
Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec 11, 2025

STEEL STUD
ROOF DETAILS

SW503

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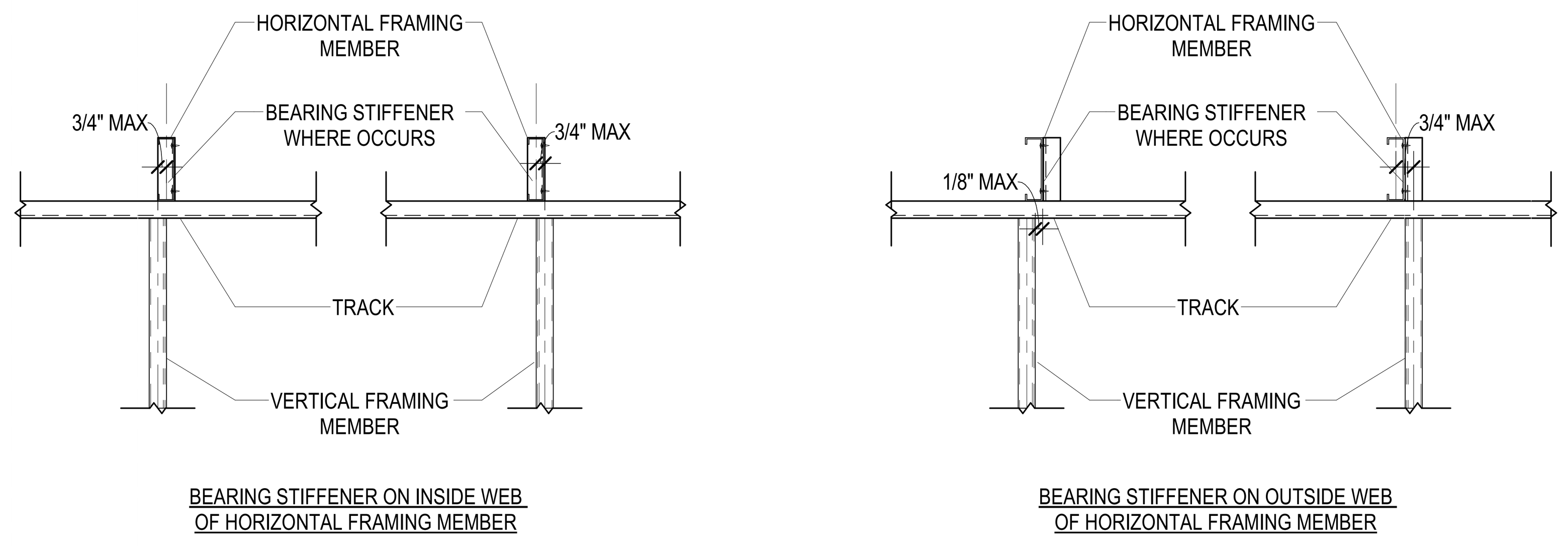


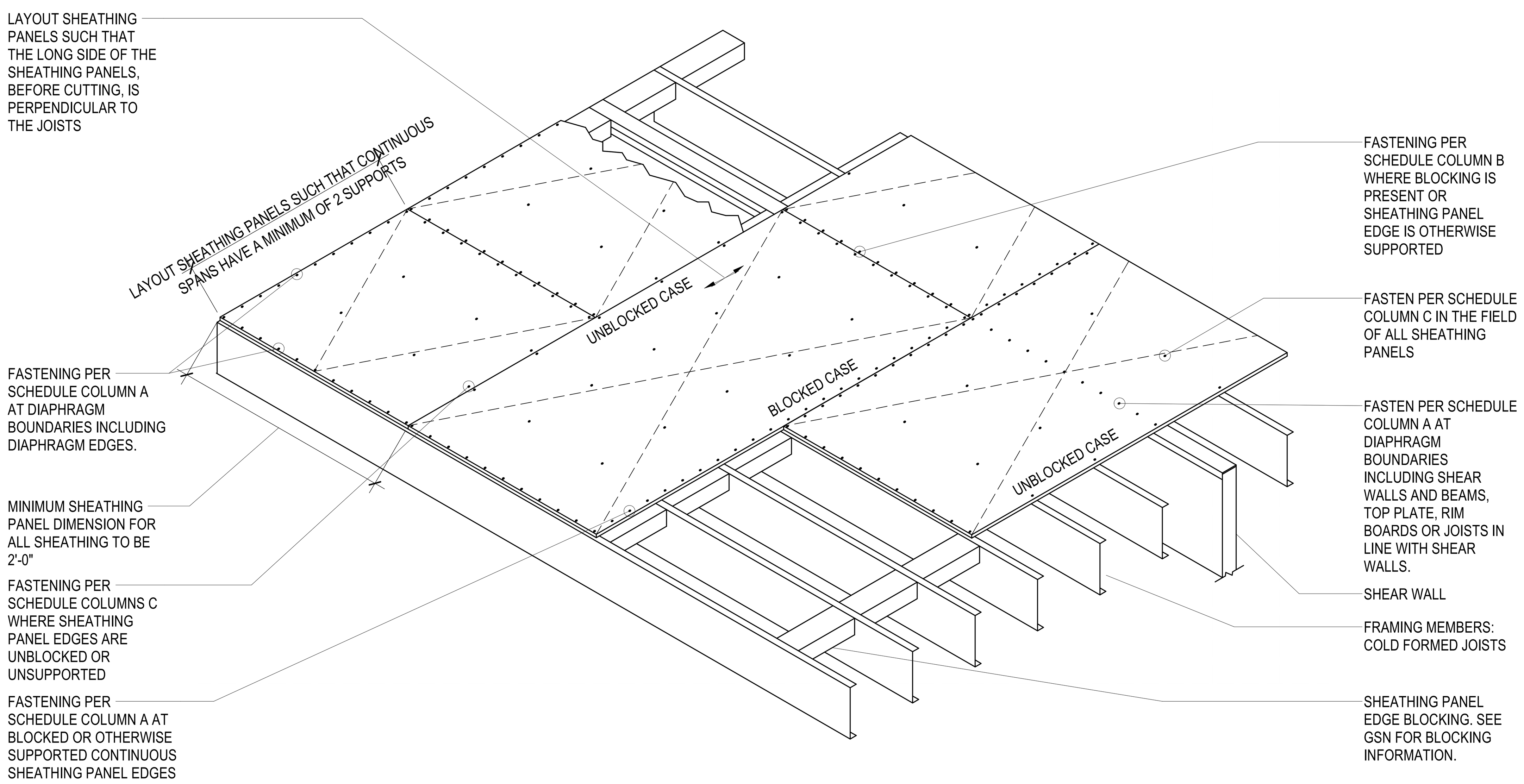
BEARING STIFFENER ON INSIDE WEB OF HORIZONTAL FRAMING MEMBER

BEARING STIFFENER ON OUTSIDE WEB OF HORIZONTAL FRAMING MEMBER

NOTE: PROVIDE 600T125-54 x 12" LONG BEARING STIFFENER AT BACK-TO-BACK JOIST CONDITIONS

D1 SW601 TYPICAL IN LINE FRAMING DETAIL

NO SCALE



B1 SW601 WOOD DIAPHRAGM ISOMETRIC DETAIL

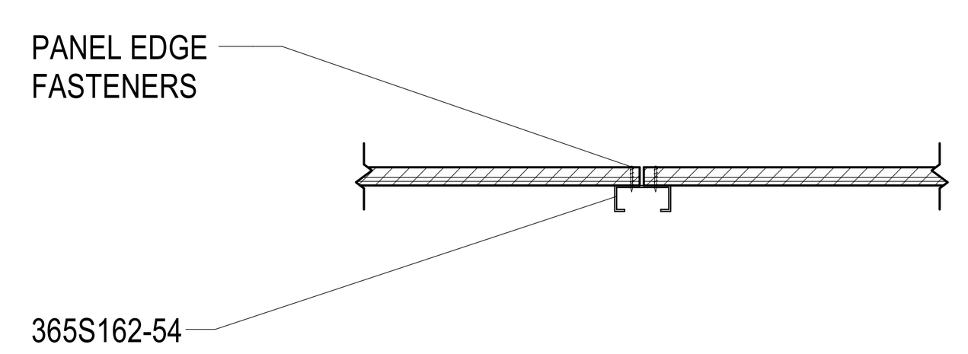
NO SCALE

WOOD DIAPHRAGM SCHEDULE						
MARK	MINIMUM WOOD SHEATHING THICKNESS	WOOD SHEATHING EDGES	SCREW SPACING			MINIMUM SCREW SIZE
			A	B	C	
WD-1	1-1/8" T&G	BLOCKED	6"	6"	12"	#8
WD-2	15/32" STRUCT-1	NO BLOCKING REQ'D	6"	6"	12"	#8

NOTES:
1. SEE DETAIL B1/SW601 FOR TYPICAL LAYOUT OF STRUCTURAL PANEL DIAPHRAGMS.
2. WHERE PANEL EDGE BLOCKING NOT REQUIRED, FASTEN TO JOIST BLOCKING.
3. COMMON FASTENER SPACING CRITERIA:
   A. CONTINUOUS WOOD SHEATHING PANEL EDGES AND DIAPHRAGM BOUNDARY EDGES. DIAPHRAGM BOUNDARIES INCLUDE SHEAR WALLS, PERIMETER TRACKS, BEAMS, TOP PLATES, AND RIM BOARDS IN LINE WITH SHEAR WALLS.
   B. ALL OTHER PANEL EDGES.
   C. INTERMEDIATE PANEL SUPPORTS (IN FIELD FASTENING).
4. ALL WOOD STRUCTURAL PANELS SHALL BE A.P.A. RATED EXPOSURE 1.
5. USE SIMPSON PPHDQ11516B OR ENGINEER APPROVED EQUIVALENT FOR FIRE RETARDENT TREATED SHEATHING IF REQUIRED.

C1 SW601 WOOD DIAPHRAGM SCHEDULE

NO SCALE



B3 SW601 TYPICAL EDGE BLOCKING DETAIL

NO SCALE

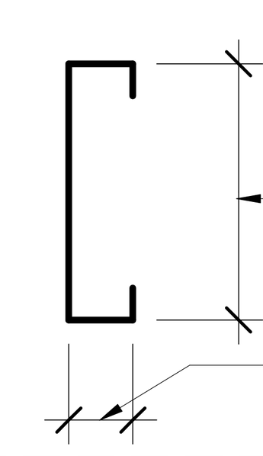
MEMBER DEPTH: (EXAMPLE: 6" = 600 x 1/100 INCHES) ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES. FOR ALL "T" SECTIONS, MEMBER DEPTH IS INSIDE TO INSIDE

MATERIAL THICKNESS: (EXAMPLE: 0.054 IN = 54 MILS; 1 MIL = 1/1000 IN.)

600S162-54

STYLE: (EXAMPLE: STUD OR JOIST SECTION = S)
S = STUD OR JOIST
T = TRACK
U = CHANNEL SECTIONS
F = FURRING CHANNEL SECTIONS

FLANGE WIDTH: (EXAMPLE: 1.5/8" = 1.625" = 162 x 1/100 INCHES)



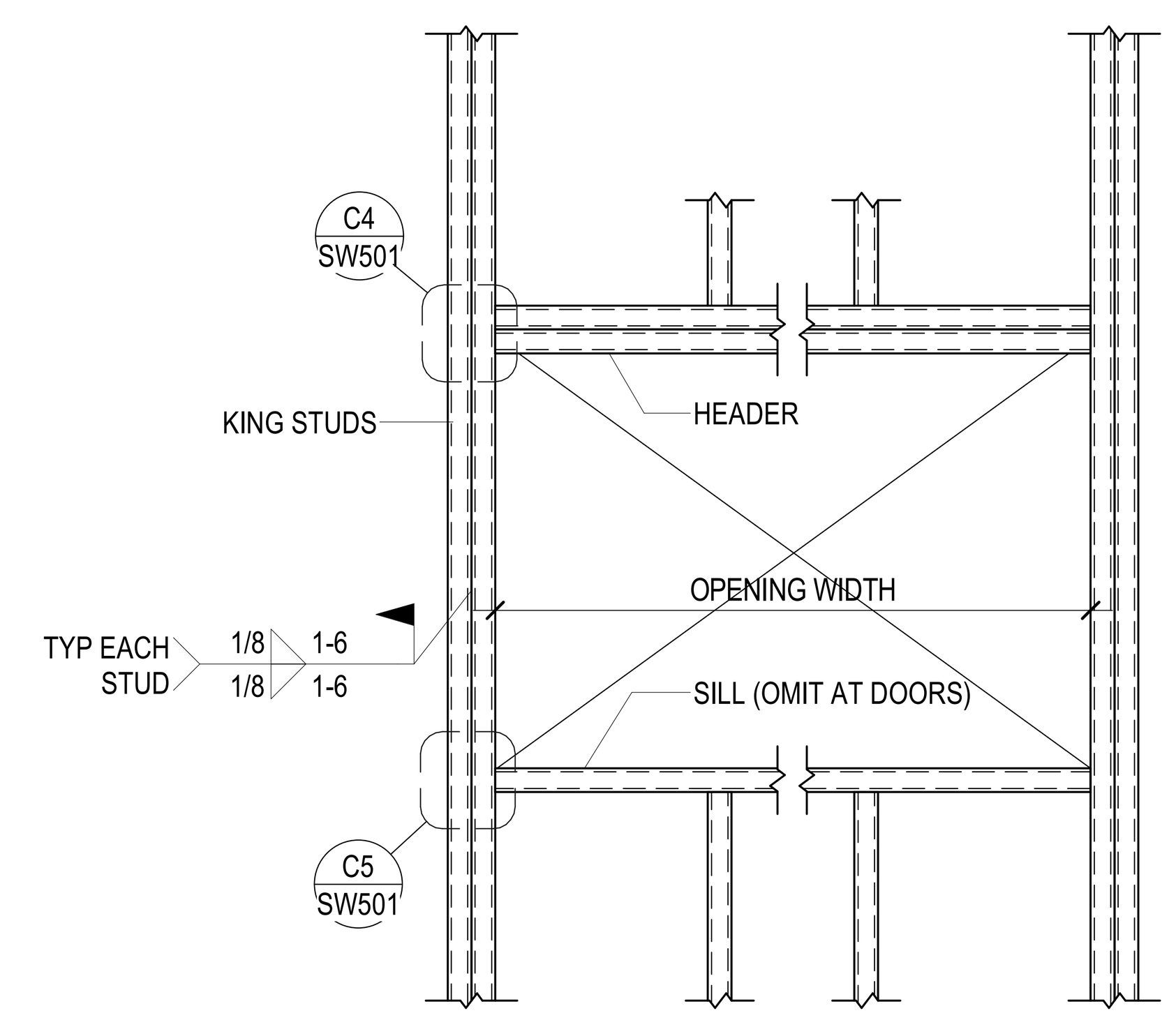
A2 SW601 STEEL STUD MANUFACTURERS ASSOCIATION - NOMENCLATURE

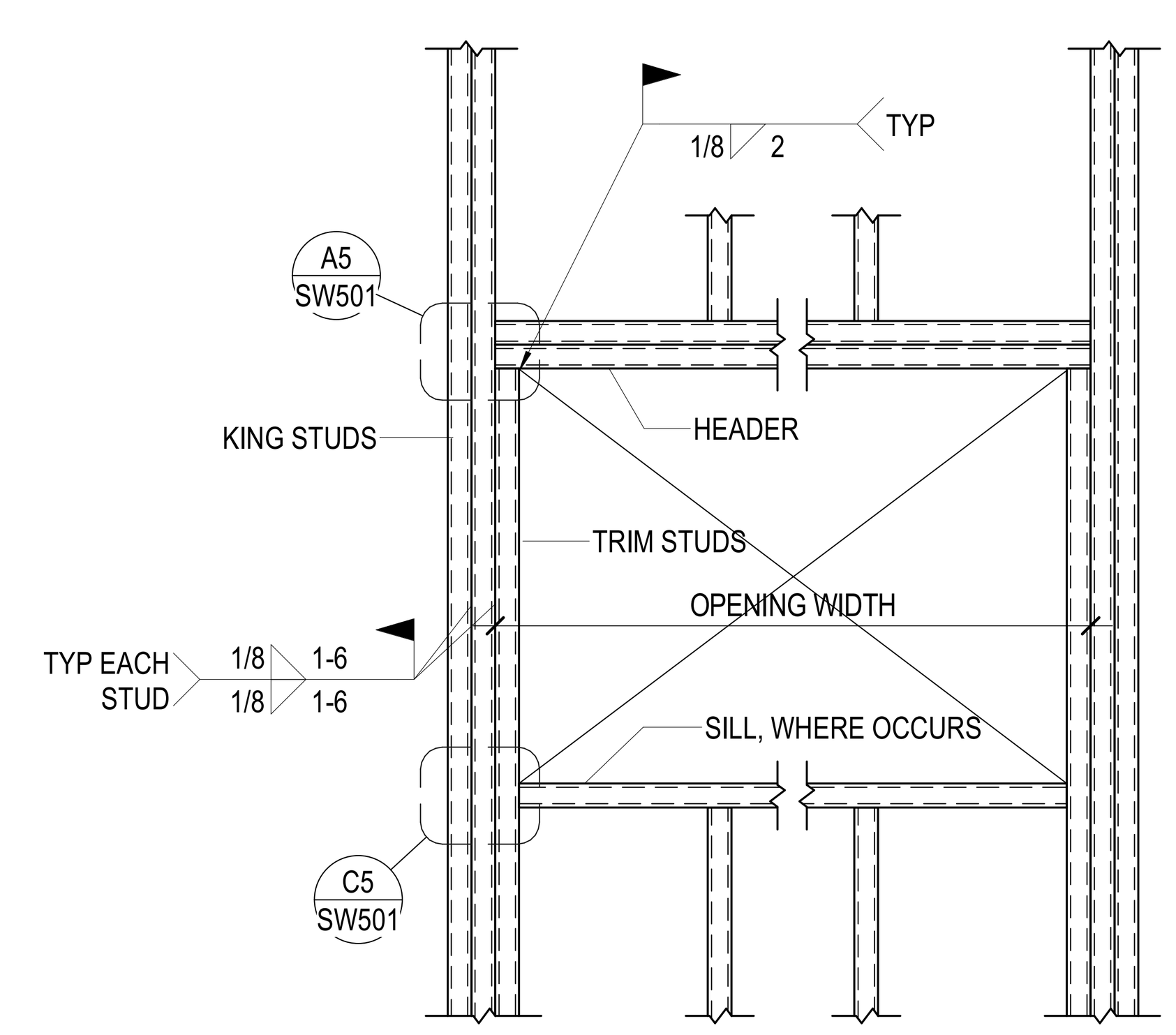
NO SCALE

STEEL STUD WALL SCHEDULE														
MARK	WALL FRAMING					WALL ANCHORAGE		WALL SHEATHING	EDGE FASTENERS		FIELD FASTENERS		STUD BRACING REQUIRED	REMARKS
	STUDS	SPACING	BOTTOM TRACK	TOP TRACK	END STUDS	BOTTOM TRACK ANCHORAGE	END STUDS OR POST ANCHORAGE		SIZE	SPACING	SIZE	SPACING		
SSW-1	600S162-54	24"	600T125-54	600T125-54	600S162-54	TO CONCRETE FOOTING ONLY - DO NOT FASTEN TO EXIST SLAB ON GRADE.1/2"Ø KWIK-X BOLT SCREW ANCHOR W/4.25" NOMINAL EMBEDMENT @12" O.C.	DO NOT ANCHOR TO EXIST CONCRETE SLAB	15/32 STRUCT-1 SHEATHING	#10	12" O.C.	#10	12" O.C.	HORIZONTAL BRIDGING @ 48" O.C. SEE A2/SW501	

NOTES:

1. ALL STUDS AND TRACK SHALL BE OF ASTM A1003 STRUCTURAL GRADE 50 TYPE H STEEL.
2. WHERE STUD MUST BE CUT DUE TO THE PLACEMENT OF ANCHOR BOLTS OR OTHER PRODUCTS, AN ADDITIONAL STUD SHALL BE INSERTED ALONG SIDE.
3. ALL PANEL EDGES SHALL BE SOLID BLOCKED PER DETAIL B1/SW601.
4. DISTANCE FROM PANEL EDGE TO SCREW SHALL BE NOT LESS THAN 3/8".
5. SHEATHING SHALL BE APPLIED WITH EDGES 1/8" APART AT SIDE JOINTS AND 1/16" APART AT END JOINTS.
6. ALL SCREWS SHALL BE #10 SELF TAPPING SCREWS W/FLAT HEAD AND A MINIMUM DIAMETER OF 0.3 INCHES.
7. AT VERTICAL OFFSETS IN EXTERIOR STUD WALL, PROVIDE ADDITIONAL STAGGARED 600S162-54 STUD.
8. PROVIDE BRIDGING @ 4'-0" O.C. TYPICAL U.N.O. BRIDGING SHALL BE CAPABLE OF RESISTING A MOMENT OF 0.42k-in. SUBMIT BRIDGING SYSTEM FOR REVIEW.



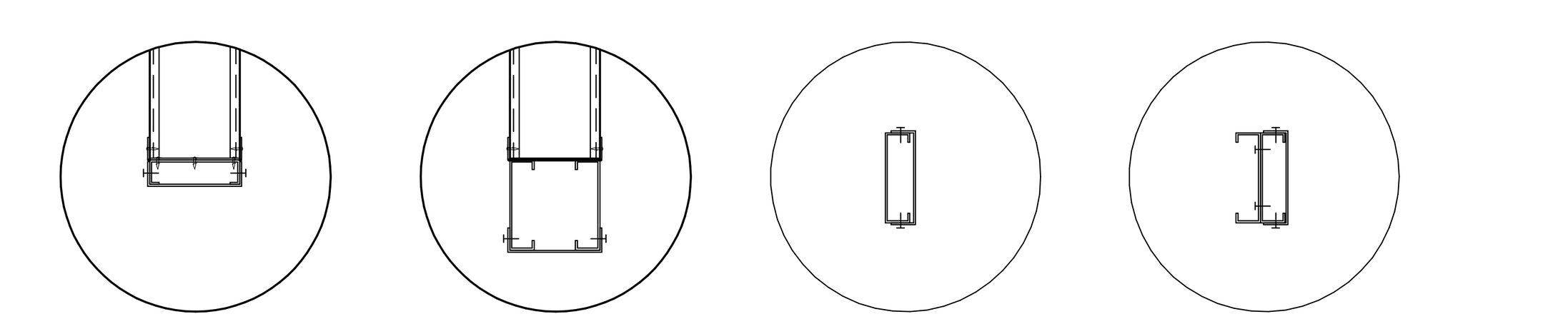


A3 SW601 TYPICAL STUD WALL FRAMING SCHEDULE WITH FRAMED OPENING DETAIL

NO SCALE

STEEL STUD WALL OPENING SCHEDULE							
NO. OF TRIM STUDS (T)	WIDTH OF OPENING	JAMB			SILL	HEADER	
		SIZE	TYPE	NO. OF KING STUDS	SIZE	SIZE	TYPE
0	UP TO 3'-6"	600S162-54 600T162-54	J1	1+T		600S162-54 600T162-54	H1
1	UP TO 6'-6'	600S162-54 600T162-54	J1	1+T		2-800S162-54 600T162-54	H2
1	UP TO 10'-0"	(2) 600S162-54 600T162-54	J2	1+T		2-1400S162-68 600T162-54	H2

NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL OPENINGS IN STUD WALLS.
2. ALL STUD SIZE DESIGNATIONS ARE PER THE STANDARD ESTABLISHED BY THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) AND THE NORTH AMERICAN STEEL FRAMING ALLIANCE (NASFA).
3. AT CONTRACTORS OPTION, USE #12 SCREWS @ 12" O.C. TO ATTACH TRACK/OTHER STUDS TO JAMB/HEADER STUDS TYPICAL IN LIEU OF WELDING.
4. OTHER PROPRIETARY STUD FRAMING SYSTEMS MAY BE USED WITH WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER.
5. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. PROVIDE BEARING STIFFENER FOR HEADER TYPE H1 PER DETAIL D1/SW601.



HEADER TYPE H1 HEADER TYPE H2 JAMB TYPE J1 JAMB TYPE J2

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STEEL STUD WALL AND WOOD SCHEDULES AND DETAILS

SW601

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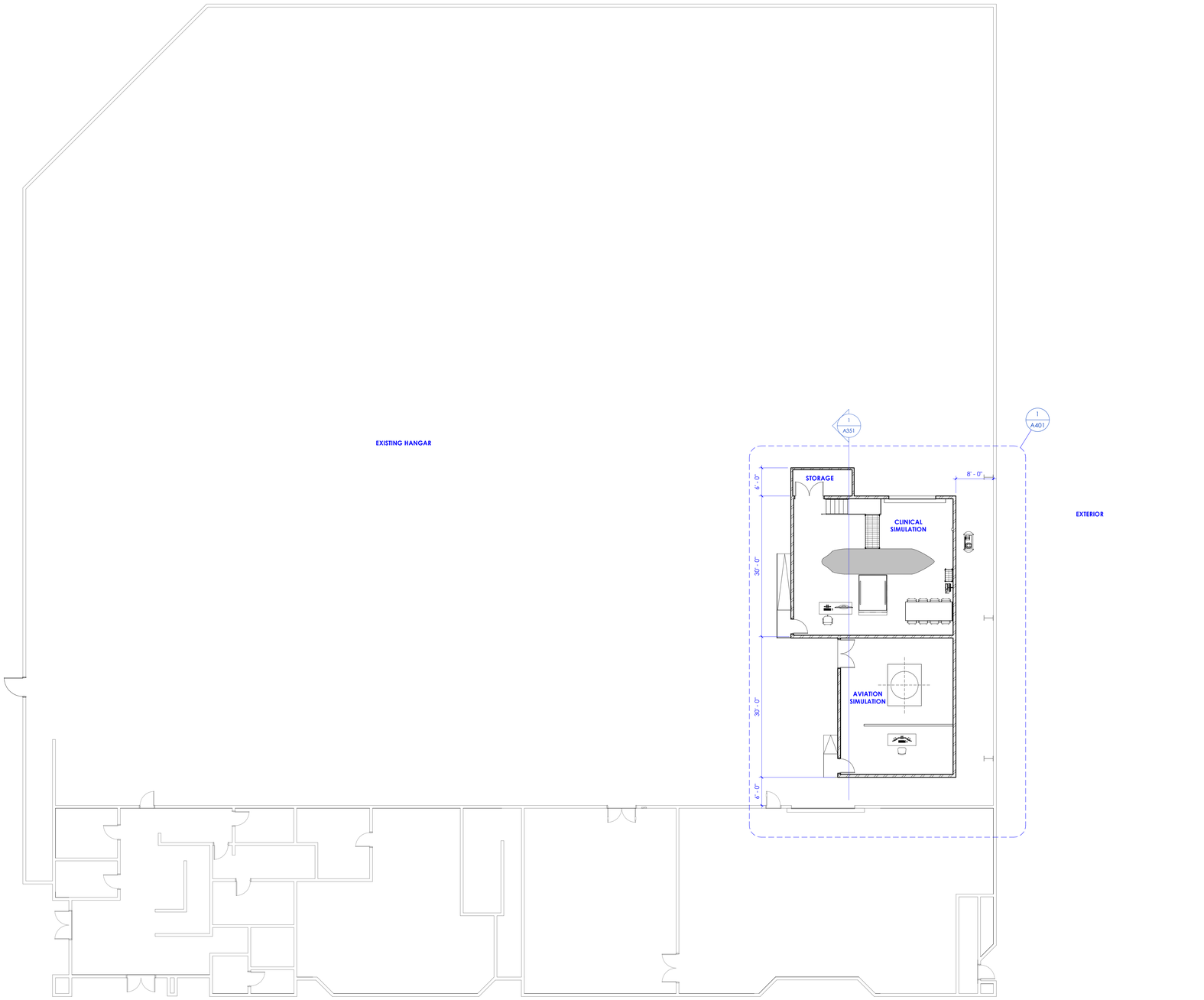

1 Floor Plan Level 1
SCALE: 1" = 10'-0"

NORTH

KEYED NOTES

GENERAL NOTES

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

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Construction Documents Dec. 11, 2025

Floor Plan
Level 1 -
Overall

A113

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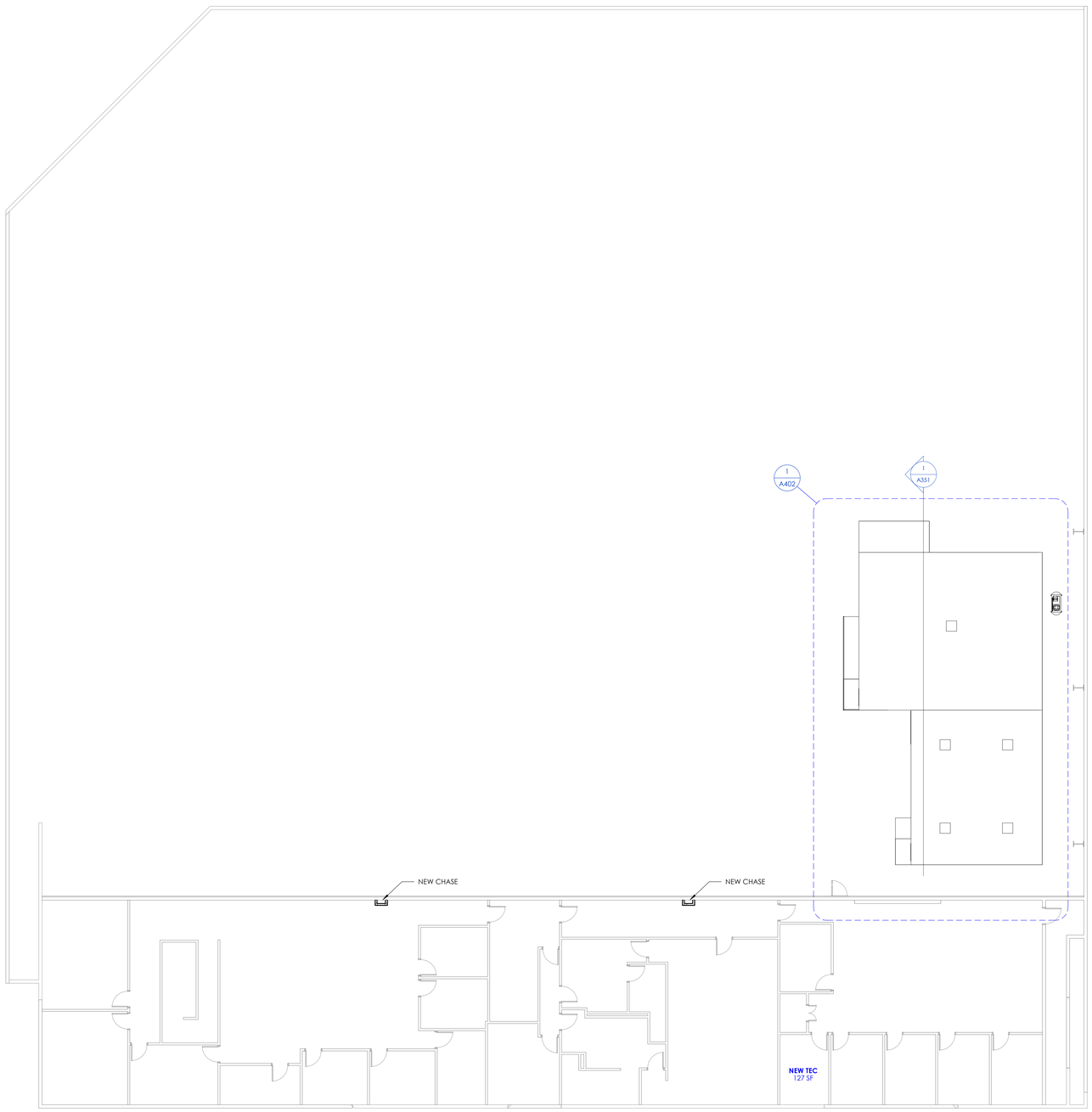

1 Floor Plan Level 2
SCALE: 1" = 10'-0"

NORTH

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KEYED NOTES

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A505A FOR CABINET LEGEND.
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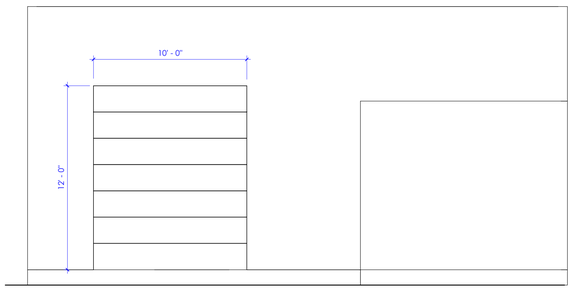
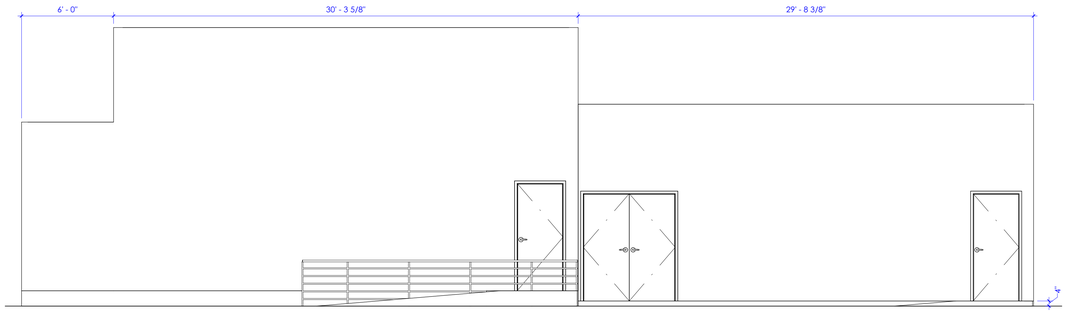
Floor Plan
Level 2 -
Overall

A120



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



2 West Elevation
SCALE: 1/4" = 1'-0"

KEYED NOTES

GENERAL NOTES

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

VIEW & PRINT THIS SHEET IN COLOR FOR CLARITY

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Exterior Elevations - Overall

A202

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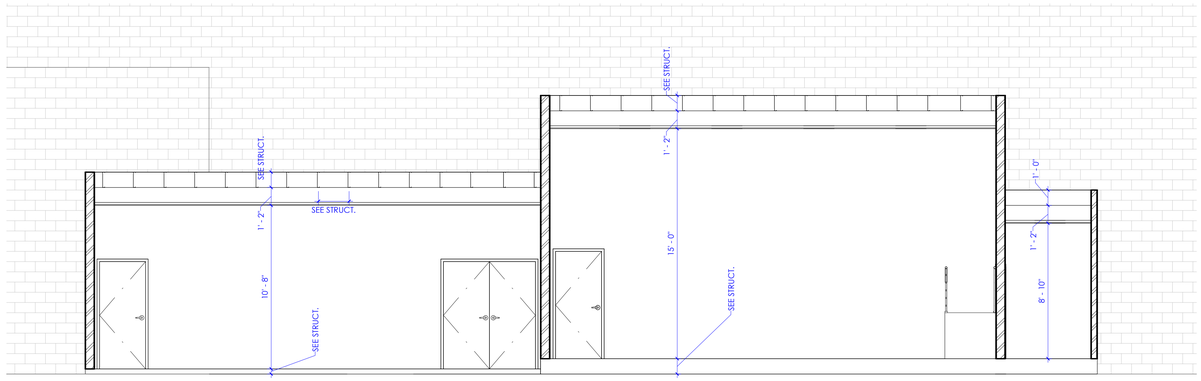

1 Life Flight Simulator
SCALE: 1/4" = 1'-0"

KEYED NOTES

GENERAL NOTES

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E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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Wall Sections

A351

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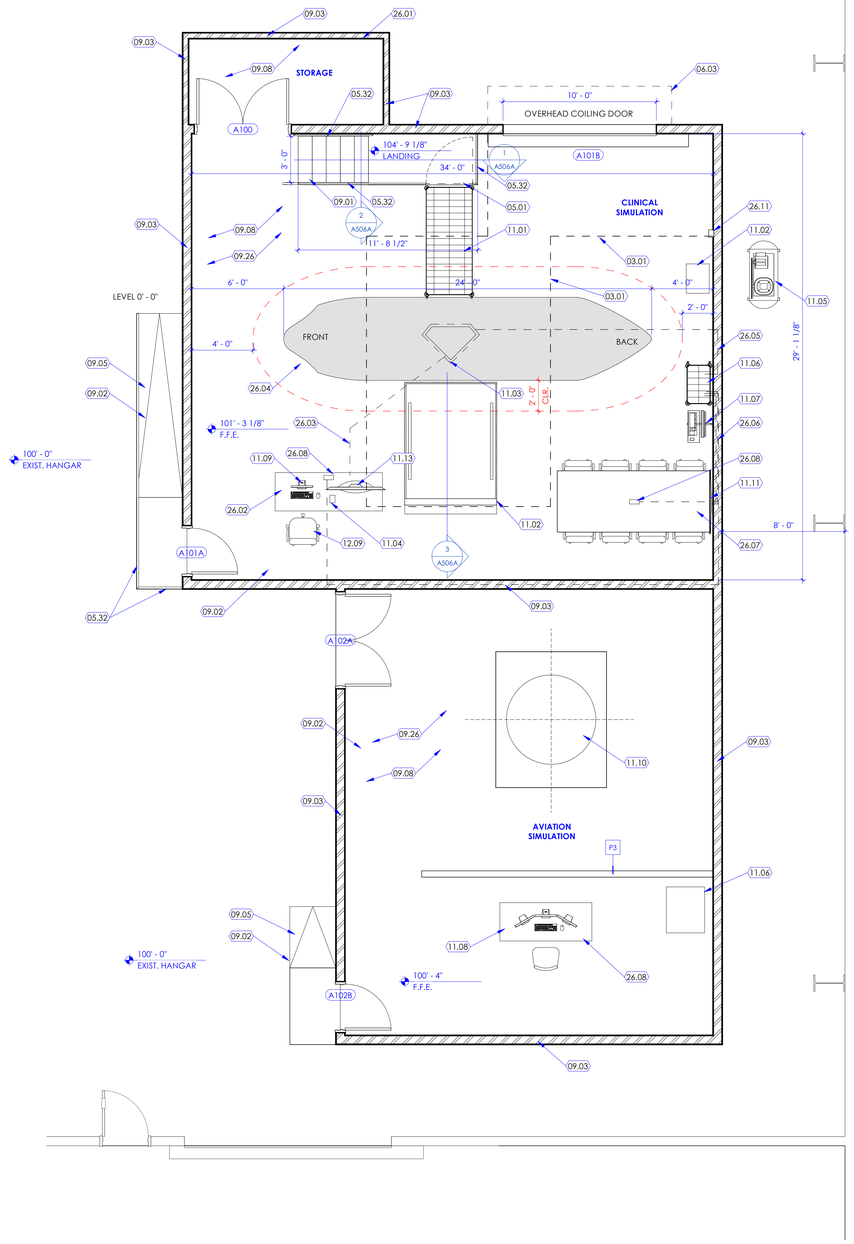
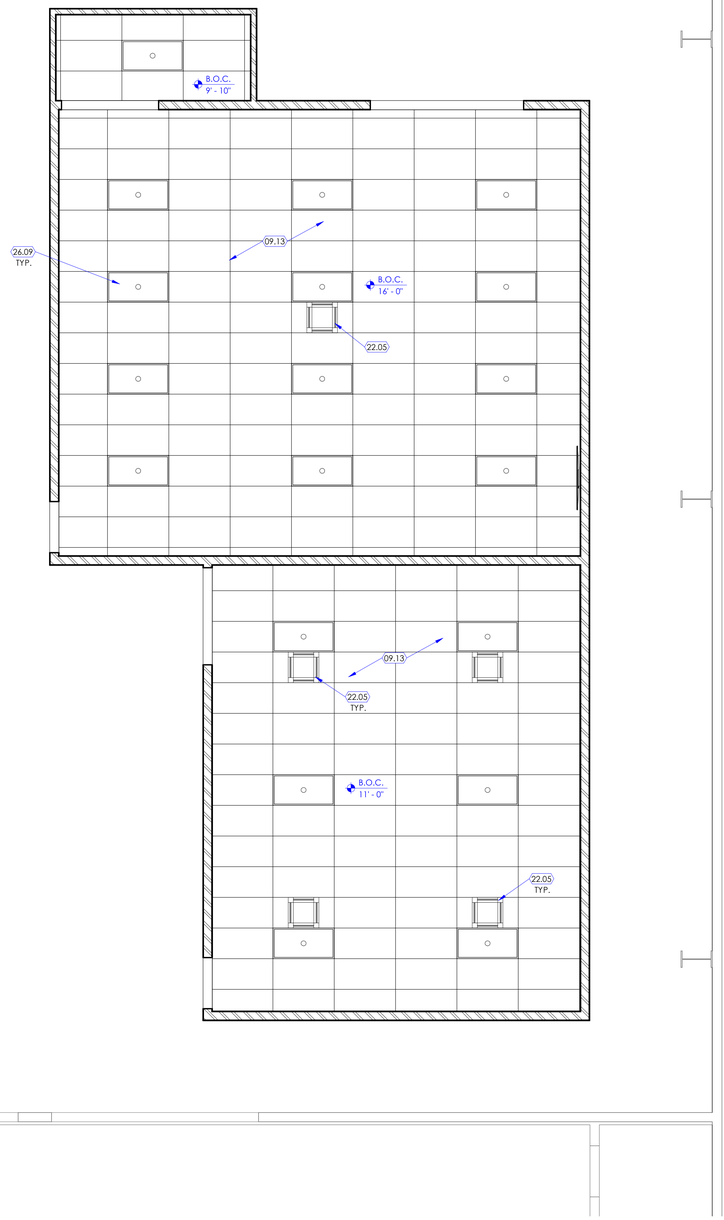


1 Floor Plan Level 1
SCALE: 1/4" = 1'-0"

NORTH



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

NORTH

KEYED NOTES

03.01 CONCRETE BASE. SEE STRUCTURAL DRAWINGS.
05.01 SAFETY GATE OR CHAIN. YELLOW IN COLOR WITH WARNING SIGNAGE. PROVIDE SECURE LATCHING TO HANDRAIL.
05.32 GUARDRAIL OR HANDRAIL. RAIL SHALL BE CONSTRUCTED WITH STEEL COMPONENTS PAINTED SAFETY YELLOW. ATTACH HANDRAIL TO WALL OR GUARDRAIL WHEREVER POSSIBLE EVERY 16'. OTHERWISE ANCHOR GUARDRAIL AND HANDRAIL TO FLOOR DIAPHRAGM AS REQUIRED AND PROVIDE STAINLESS STEEL ESCUTCHEON AT FLOOR.
06.03 TEMPORARY RAMP
09.01 STAIR AND PLATFORM. FRAME STAIR USING LIGHT GAUGE STEEL FRAMING, PLYWOOD SHEATHING, DECKING AND STAIR TREADS. FINISH EXTERIOR WITH DRYWALL AND PAINT. ADD NON-SLIP RUBBER STAIR TREADS TO STAIRS AND RISERS. ADD FLOORING TO PLATFORM TO MATCH FLOORING THROUGHOUT.
09.02 FRAMED FLOOR DIAPHRAGM. SEE STRUCTURAL DRAWINGS.
09.03 WALL, STEEL STUD FRAMED WALL WITH EXTERIOR SHEATHING, FINISH WITH EXTERIOR AND INTERIOR DRYWALL AND PAINT. PROVIDE ACOUSTICAL BATT WITHIN CAVITY OF WALL. SEE STRUCTURAL DRAWINGS.
09.05 RAISED DISC RUBBER FLOORING TILES. MANUFACTURER SHALL BE JOHNSONITE ROUNDEL RAISED ROUND RUBBER FLOORING. COLOR SHALL BE SELECTED BY OWNER/ARCHITECT.
09.08 WALL BASE. SEE FINISH FLOOR PLANS FOR WALL BASE TYPE INDICATED WITH A WALL BASE TAG (AS B1, B2, B3, ETC.). SEE FINISH SCHEDULE ON SHEET A603A FOR MATERIAL, SIZE, COLOR, ETC. FOR EACH WALL BASE TAG.
09.13 ACOUSTICAL CEILING TILE AND GRID. MANUFACTURER SHALL BE USG, RADAR 22111, WHITE.
09.26 LVT FLOOR COVERING. MANUFACTURER SHALL BE MANNINGTON COMMERCIAL, DIVERGENT. COLOR SHALL BE SELECTED BY OWNER/ARCHITECT.
11.01 MOVEABLE GANGWAY, WITH RAILING, ON LOCKING CASTERS.
11.02 DOCK LIFT, 6'X8', VESTIL MANUFACTURING MODEL "WL-100-5-68" AND ASSOCIATED CONTROL CABINET AND HYDRAULIC PUMP. CONTRACTOR FURNISHED CONTRACTOR INSTALLED.
11.03 MOOG MOTION BASE, MODEL MB-EP-6DOF/26/3000KG. OWNER FURNISHED CONTRACTOR INSTALLED. ANCHOR TO CONCRETE BASE AS REQUIRED. CONTRACTOR SHALL PROVIDE ELECTRICAL DISCONNECT (LOCATED ELSEWHERE) AND CONDUCTORS WITHIN CONDUIT AS REQUIRED. SEE VENDOR DOCUMENTATION IN PROJECT MANUAL FOR SPECIFIC REQUIREMENTS FOR INSTALLATION.
11.04 SINGLE GANG CONTROL DESKTOP SWITCH W/ LIGHT W/ BUTTON BY VENDOR
11.05 COMPRESSOR. SEE VENDOR (MOOG) DOCUMENATION. SEE MECHANICAL DRAWINGS.
11.06 INTEGRATION RACK. VENDOR FURNISHED CONTRACTOR INSTALLED.
11.07 COMPUTER, WALL MOUNTED. CONTRACTOR SHALL FURNISH AND INSTALL WALL MOUNT FOR VENDOR SUPPLIED COMPUTER.
11.08 WORKSTATION. VENDOR SUPPLIED WORKSTATION
11.09 COMPUTER, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED. PROVIDE GROMMET IN COUNTERTOP WHERE COMPUTER OCCURS ON COUNTER WITH KNEE SPACE BELOW.
11.10 FLIGHT SIMULATOR BY LEONARDO. SEE VENDOR DOCUMENTATION IN PROJECT MANUAL FOR SITE PREPARATION REQUIREMENTS.
11.11 TV, MOUNTED ON ARTICULATING ARM MOUNT. TO DISPLAY RECORDINGS. ELECTRICAL BACK BOX AND CONDUIT CONNECTION TO RACK SUPPLIED AND INSTALLED BY CONTRACTOR. TV SHALL BE VENDOR FURNISHED. CONTRACTOR INSTALLED. SEE ELECTRICAL DRAWINGS.
11.13 TELEVISION (TV). NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED. PROVIDE WALL MOUNTED METAL BRACKET TO SUPPORT THE TV. BRACKET SIZE AND MODEL SHALL BE BASED ON THE TV SIZE. PROVIDE PLYWOOD BACKING IN WALL AS REQUIRED TO SUPPORT THE TV BRACKET. PROVIDE POWER, DATA AND HDMI PORT. SEE ELECTRICAL DRAWINGS.
12.09 FURNITURE, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
22.05 MECHANICAL CEILING CASSETTE. SEE MECHANICAL DRAWINGS.
26.01 PLUG STRIPS FOR CHARGING. SEE ELECTRICAL DRAWINGS.
26.02 PROVIDE POWER AND DATA (INTRANET AND CONNECT TO IH NETWORK)
26.03 UMBILICAL CONDUIT UNDER FLOOR
26.04 2 REGULAR POWER OUTLETS, NETWORK OUTLETS IN FUSELAGE FOR PATIENT MONITOR & MANNEQUIN
26.05 CONDUIT FROM RACK TO FUSELAGE
26.06 CONDUIT FROM RACK TO TV
26.07 CONDUIT FROM RACK TO CONSOLE
26.08 FLOOR BOX. PROVIDE POWER, DATA AT FLOOR BOX. SEE ELECTRICAL DRAWINGS.
26.09 LIGHTS ON DIMMER TYPICAL
26.11 MOTION BASE ELECTRICAL DISCONNECT. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.

GENERAL NOTES

A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
B. SEE SHEET A505A FOR CABINET LEGEND.
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Enlarged Views

A401

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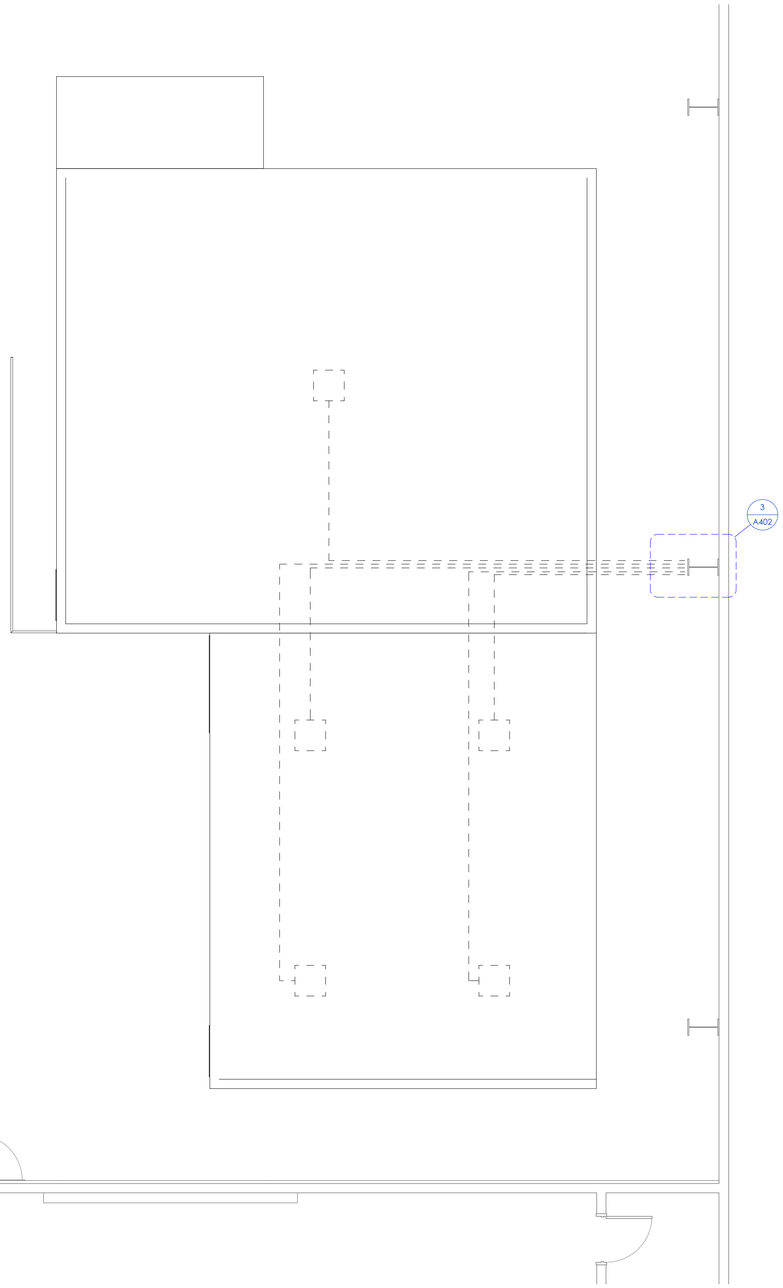
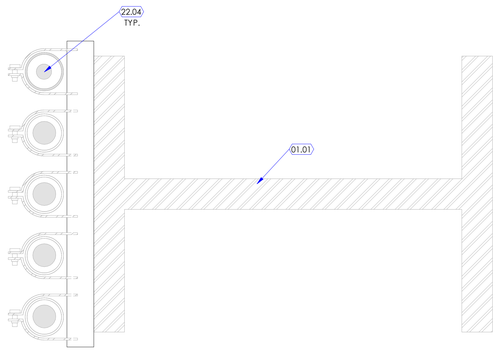
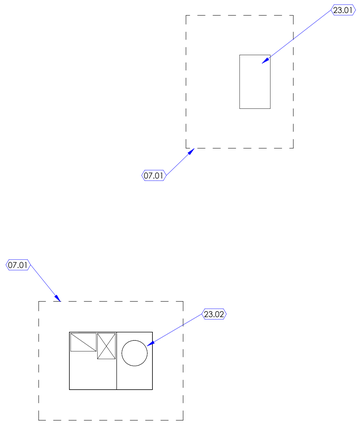


1 Simulation Roof Plan
SCALE: 1/4" = 1'-0"

NORTH



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



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

NORTH

KEYED NOTES

01.01	STEEL COLUMN EXISTING
07.01	ROOFING, EXISTING, PATCH AS REQUIRED, CONSULT WITH OWNER FOR ROOFING WARRANTY INFORMATION
22.04	MECHANICAL HVAC LINE TO MECHANICAL CONDENSER UNIT MOUNTED ON ROOF. SEE MECHANICAL DRAWINGS.
23.01	ROOFTOP UNIT ON MIRO STAND. SEE MECHANICAL DRAWINGS.
23.02	HEAT PUMP CONDENSOR UNIT ON MIRO STAND. SEE MECHANICAL DRAWINGS

GENERAL NOTES

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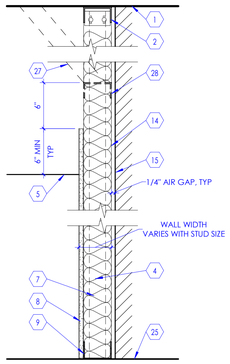
NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

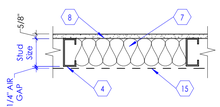
Enlarged Views

A402

1/8/2026 9:51:48 AM



SECTION VIEW

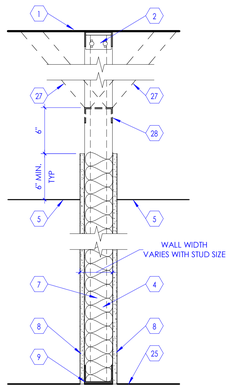


PLAN VIEW

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



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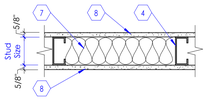
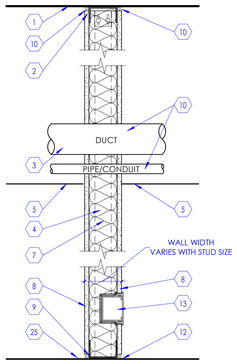


PLAN VIEW

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



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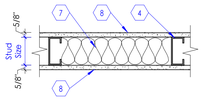


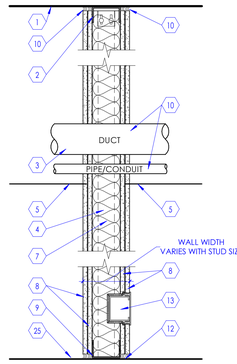
PLAN VIEW

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



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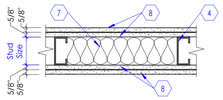


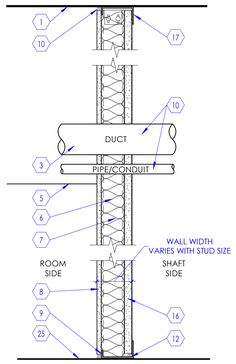
PLAN VIEW

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



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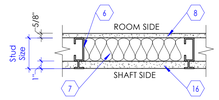


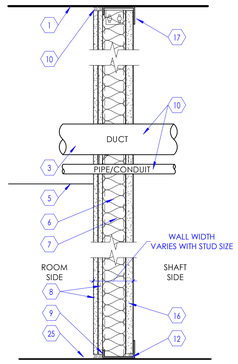
PLAN VIEW

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



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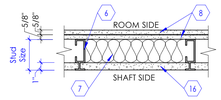


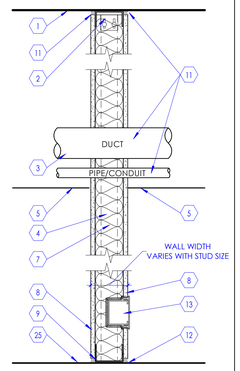
PLAN VIEW

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



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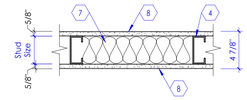
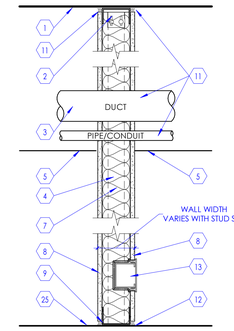


PLAN VIEW

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

Type - G

Smoke Partition



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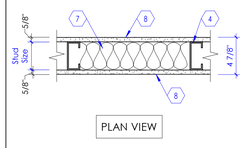


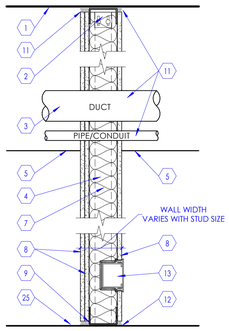
PLAN VIEW

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

Type - H

Sound Barrier 40 STC

Sound Attenuation (STC) Test: NGC 25116



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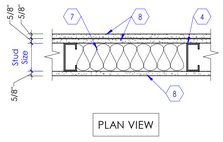


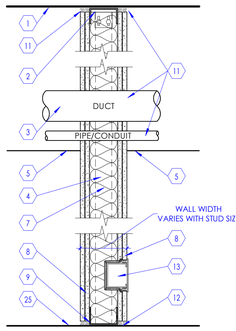
PLAN VIEW

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

Type - J

Sound Barrier 45 STC

Sound Attenuation (STC) Test: NGC 25116



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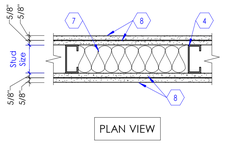


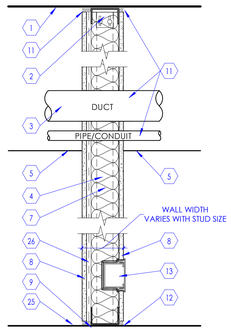
PLAN VIEW

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

Type - K

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



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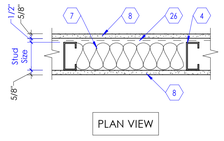


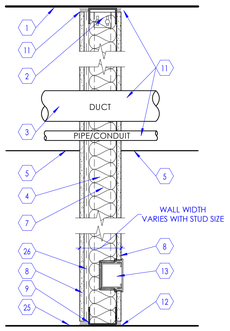
PLAN VIEW

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

Type - L

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



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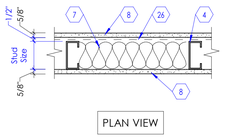


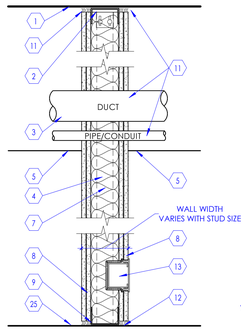
PLAN VIEW

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

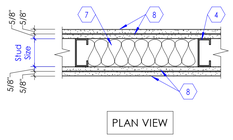
Type - M

1 Hour Fire Rated Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



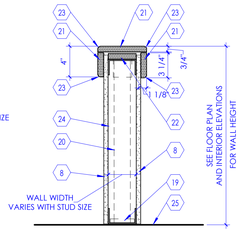
PLAN VIEW

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



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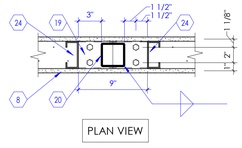

PLAN VIEW

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 **-/ ---**
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 **-/ ---** AND **-/ ---**

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 **-/ ---** AND **-/ ---**

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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SELVAM RAJAVELU
267857-0301
12/11/25
LICENSED ARCHITECT

Intermountain Health
Intermountain Life Flight
Life Flight Simulator

2284 160 N
Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

Wall Types

A501A

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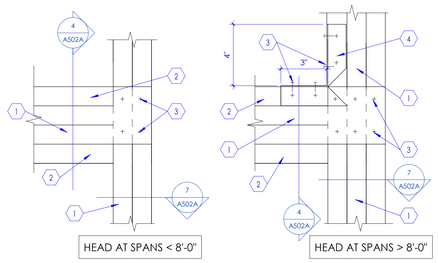
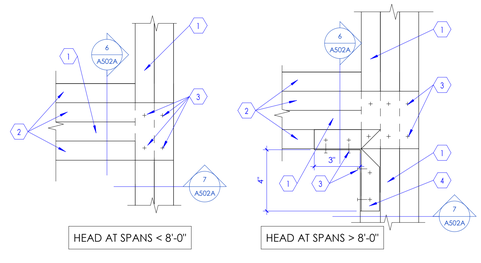


KEYED NOTES

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

1 Framed Opening at Jamb/Sill Corner

SCALE: 3" = 1'-0"

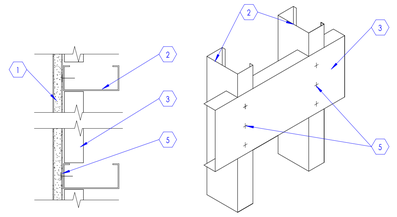


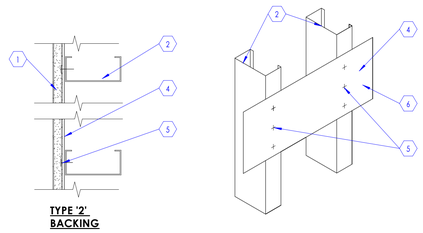
KEYED NOTES

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

2 Framed Opening at Jamb/Head Corner

SCALE: 3" = 1'-0"





KEYED NOTES

1. 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

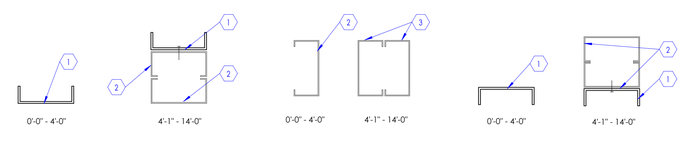
1. EXTEND BACKING PLATE TO NEXT STUD BEYOND SIDE OF FIXTURE OR ACCESSORIES - BOTH SIDES.
2. PROVIDE METAL SLEEVES THROUGH WALL FINISH AT FIXTURE AND EQUIPMENT FASTENING.
3. FOR MECHANICAL WORK ANCHORAGE SEE MECHANICAL DRAWINGS.

5 Backing Plate Schedule

SCALE: 3" = 1'-0"

KEYED NOTES

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



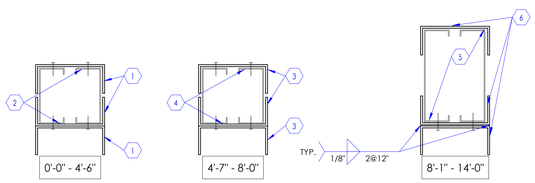
3 Typical Duct Opening

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.



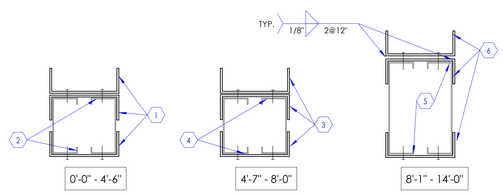
4 Typical Window Opening Framing at Sill

SCALE: 3" = 1'-0"

KEYED NOTES

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

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



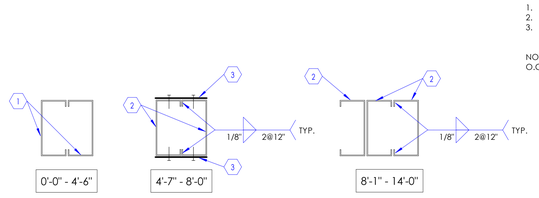
6 Typical Door and Window Opening Framing at Header

SCALE: 3" = 1'-0"

KEYED NOTES

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

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

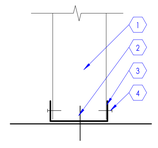


7 Typical Door and Window Opening Framing at Jamb

SCALE: 3" = 1'-0"

KEYED NOTES

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

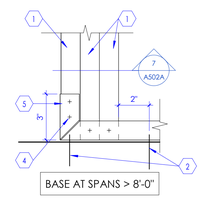


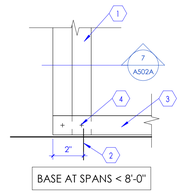
8 Base Track Detail

SCALE: 3" = 1'-0"

KEYED NOTES

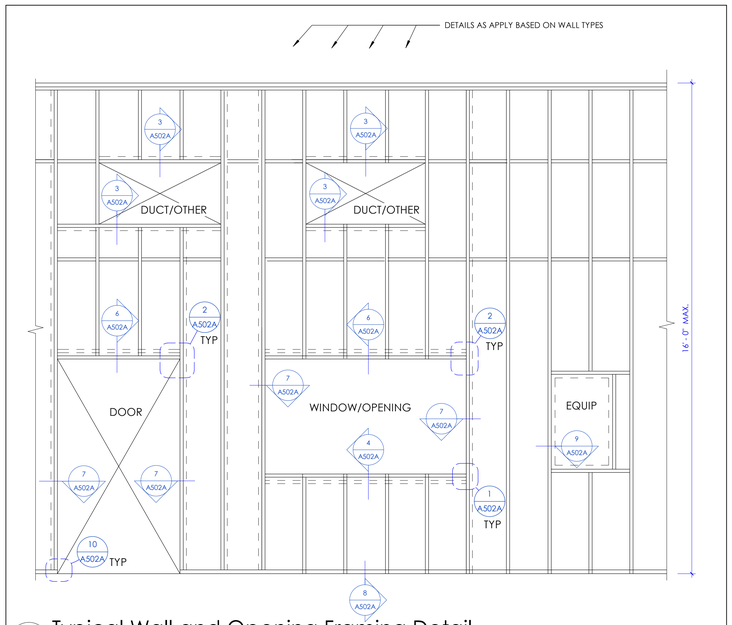
1. METAL STUDS. SEE WALL TYPES.
2. POWDER DRIVEN PINS .014" DIA. WITH 1-1/4" MIN. EMBED AT 2'-0" O.C. AND AT 2" FROM THE ENDS.
3. METAL TRACK - 18 GA MIN.
4. SHEET METAL SCREWS #12 EA. SIDE.
5. BENT TRACK - 18 GA MIN.





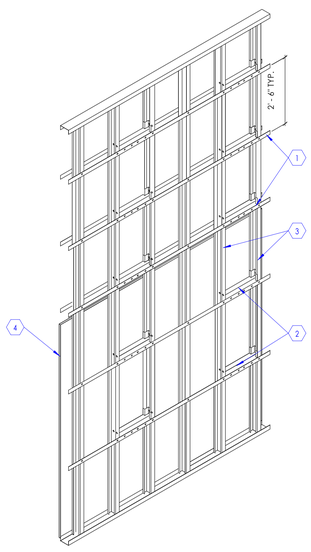
10 Framed Opening at Jamb

SCALE: 3" = 1'-0"



11 Typical Wall and Opening Framing Detail

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



KEYED NOTES

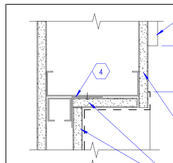
1. SHEET METAL STRAP. SEE BRACING SCHEDULE BELOW AND DETAIL
2. METAL STUD BLOCKING. SEE BRACING SCHEDULE BELOW AND DETAIL
3. METAL STUDS, 20 GA MIN. SEE WALL TYPES FOR PARTITION TYPE.
4. 5/8", TYPE 'X' GYP. BD. TYP., U.N.O. SEE WALL TYPES FOR PARTITION TYPE.

BRACING SCHEDULE

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

12 Typical Bracing at One Sided Partition

SCALE: 3" = 1'-0"



KEYED NOTES

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

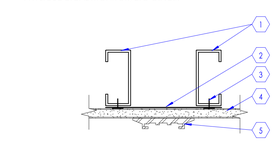
PLAN VIEW, SECTION SHALL BE SIMILAR

9 Detail at Recessed Equip.

SCALE: 3" = 1'-0"

KEYED NOTES

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



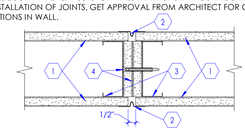
13 Plan Detail at Bracket

SCALE: 3" = 1'-0"

KEYED NOTES

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

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



14 Control Joint - Gypsum Board

SCALE: 3" = 1'-0"

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LICENSED ARCHITECT

Intermountain Health
Intermountain Life Flight
Life Flight Simulator

2284 160 N
Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

Wall Details

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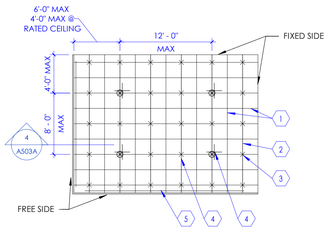


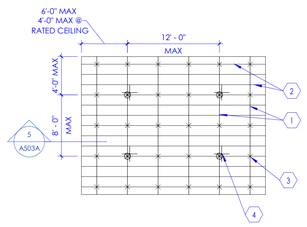
KEYED NOTES

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

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

1 Typical Acoustical Ceiling Suspension

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

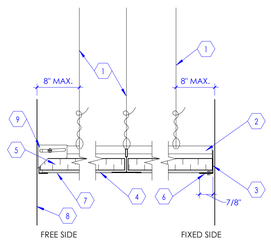


KEYED NOTES

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

2 Typical Gypsum Bd Ceiling Suspension

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



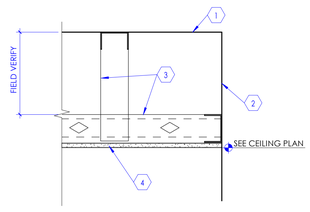
KEYED NOTES

1. 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"

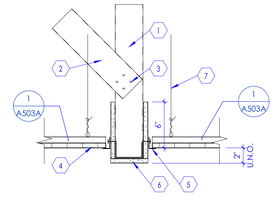


KEYED NOTES

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"

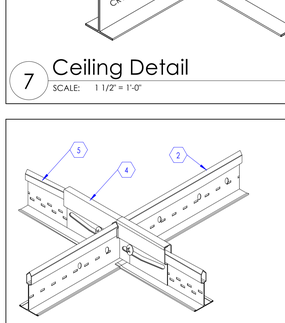


KEYED NOTES

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

6 Gypsum Board Header

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



KEYED NOTES

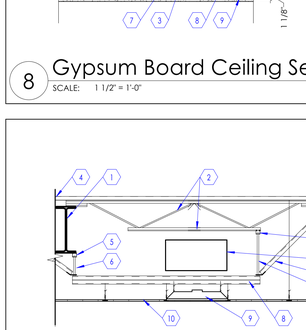
1. RIGID HORIZONTAL RESTRAINT FROM CEILING GRID TO STRUCTURE ABOVE.
2. CLASS 1 ZINC COATED, SOFT TEMPERED WIRES, 12 GAUGE MIN.

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

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

7 Ceiling Detail

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

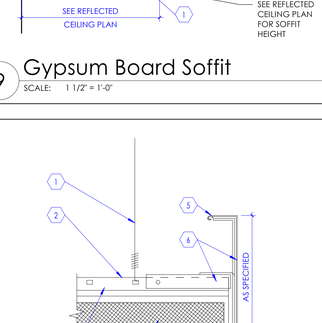


KEYED NOTES

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

8 Gypsum Board Ceiling Seismic Restraint Detail

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



KEYED NOTES

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

9 Gypsum Board Soffit

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

KEYED NOTES

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

10 Seismic Separation Joint Clip Detail

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

KEYED NOTES

1. STEEL BEAM AS OCCURS.
2. STEEL JOIST AS OCCURS.
3. MECHANICAL DUCTS, SEE MECHANICAL DRAWINGS
4. LINE OF WALL
5. UNISTRUT P1000, 6" LONG SUSPENDED FROM STRUCTURE ABOVE
6. THREADED ROD, 5/8" THICK. PROVIDE NUTS, WASHERS, CLAMPS, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
7. UNISTRUT, 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. CLASS 1 ZINC COATED, SOFT TEMPERED WIRES, 12 GA MIN.
2. EXPOSED CROSS RUNNER ATTACHED TO MAIN RUNNERS.
3. ACOUSTICAL CEILING TILES. SEE CEILING PLANS.
4. EXPOSED MAIN RUNNER. SUSPENDED FROM STRUCTURE ABOVE.
5. FINISHED SUSPENSION TRIM 4". BY CEILING SUPPLIER.
6. INTERSECTION TEE ATTACHMENT CLIP.
7. TRIM COLOR SHALL MATCH GRID COLOR.

12 Ceiling Trim Detail

SCALE: N.T.S.

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Intermountain Health
Intermountain Life Flight
Life Flight Simulator

2284 I-60 N
Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec. 11. 2025

Ceiling Details

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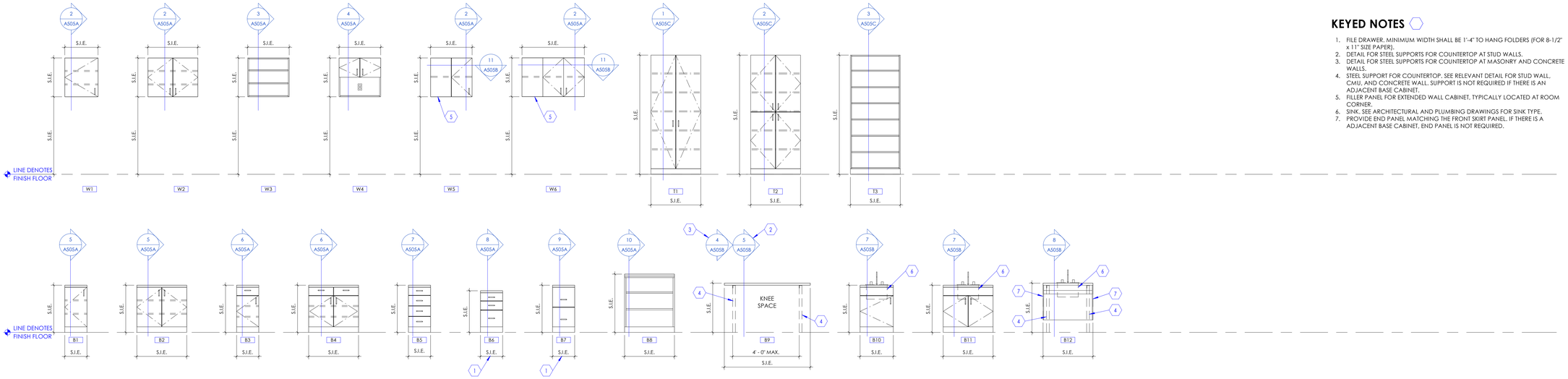


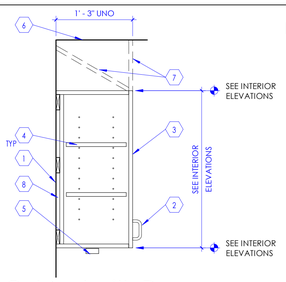
KEYED NOTES

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

1 Cabinet Legend

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

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

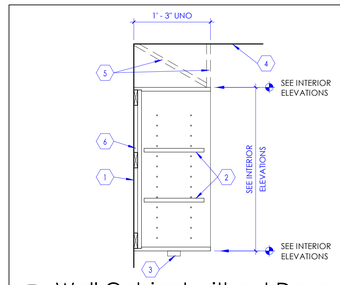


KEYED NOTES

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

2 Wall Cabinet with Door

SCALE: 1" = 1'-0"



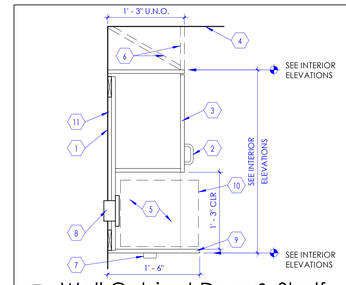
KEYED NOTES

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

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

3 Wall Cabinet without Door

SCALE: 1" = 1'-0"

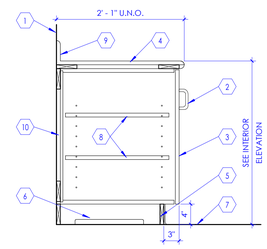


KEYED NOTES

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

4 Wall Cabinet Door & Shelf

SCALE: 1" = 1'-0"

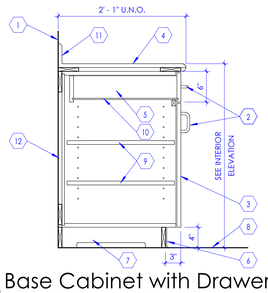


KEYED NOTES

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

5 Base Cabinet with Door

SCALE: 1" = 1'-0"

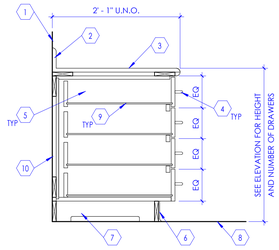


KEYED NOTES

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

6 Base Cabinet with Drawer and Door

SCALE: 1" = 1'-0"

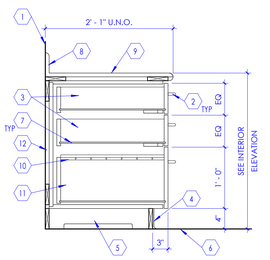


KEYED NOTES

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

7 Base Cabinet with Drawers

SCALE: 1" = 1'-0"

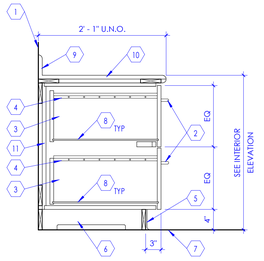


KEYED NOTES

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

8 Base Cabinet with Drawers

SCALE: 1" = 1'-0"

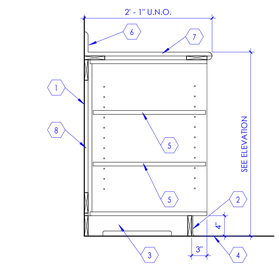


KEYED NOTES

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

9 Base Cabinet with Two File Drawers

SCALE: 1" = 1'-0"



KEYED NOTES

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

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

10 Base Cabinet without Door

SCALE: 1" = 1'-0"

NJRA ARCHITECTS

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STATE OF UTAH
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12/11/25
LICENSED ARCHITECT

Intermountain Health
Intermountain Life Flight
Life Flight Simulator

2284 160 N.
Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

Cabinet Legend & Details

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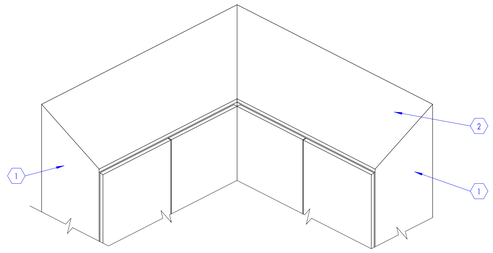
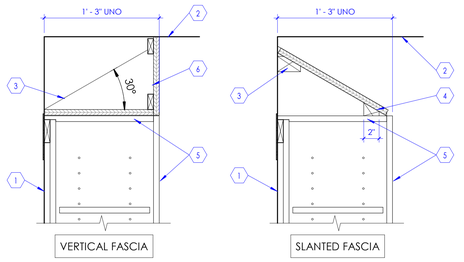


KEYED NOTES

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

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

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



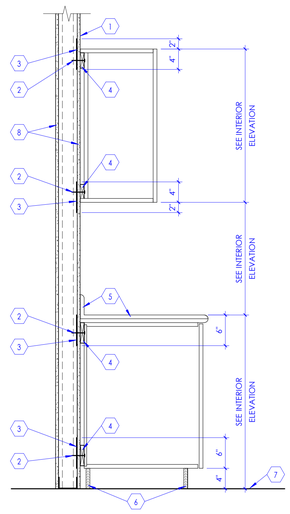
KEYED NOTES

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

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

2 Wall Cabinet Fascia

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



KEYED NOTES

1. LINE OF WALL.
2. FASTENERS AS REQUIRED. ALIGN WITH STUDS WHERE POSSIBLE.
3. STEEL BACKING PLATE. PLATE SHALL BE 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 **6 / A505B**
6. CABINET BASE BOX, BOX SHALL BE BUILT WITH PLYWOOD, 3/4" THICK, PRESSURE TREATED. BASE BOX SHALL BE ANCHORED TO FLOOR WITH STEEL "L" CLIPS AND FASTENERS AS REQUIRED. BASE CABINET SHALL BE ATTACHED TO THE BASE BOX.
7. LINE OF FLOOR.
8. NEW WALL (OR EXISTING WALL WHERE OCCURS). SEE WALL TYPE FOR WALL CONSTRUCTION.

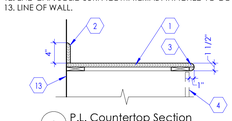
NOTE: WHEN CABINETS ARE MOUNTED TO CONCRETE WALL OR MASONRY (CMU BLOCKS) WALL, BACKING PLATES ARE NOT REQUIRED. PROVIDE COMPATIBLE MASONRY WALL ANCHORS AND FASTENERS TO ATTACH THE CABINETS.

3 Typical Cabinet Body Attachment to Walls

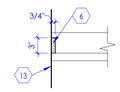
SCALE: 1" = 1'-0"

KEYED NOTES

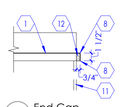
1. COUNTERTOP. PLASTIC LAMINATE WRAPPED OVER WOOD SUBSTRATE, 3/4" THICK. SUBSTRATE SHALL BE AS PER ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS FOR "PREMIUM" GRADE. PROVIDE FULL ROUND EDGE AS INDICATED. WHERE PLASTIC LAMINATE COUNTERTOP IS CALLED OUT AT SINK LOCATIONS, USE EXTERIOR GRADE MARINE PLYWOOD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



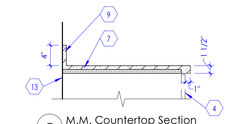
A P.L. Countertop Section



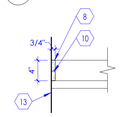
B P.L. Side Splash Section



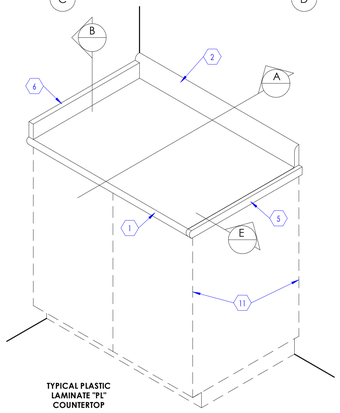
E End Cap

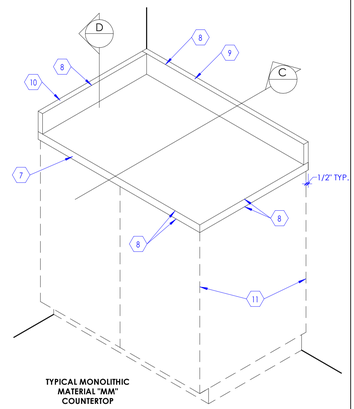


C M.M. Countertop Section



D M.M. Side Splash Section

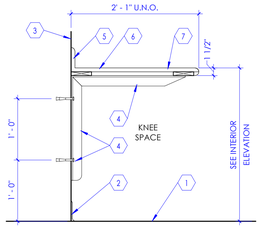




NOTE: SEE INTERIOR ELEVATIONS AND FINISH FLOOR PLANS FOR LOCATIONS OF DIFFERENT COUNTERTOPS ("PL" AND/OR "MM") REQUIRED IN THIS PROJECT.
SEE FINISH SCHEDULE, SHEET A603A, FOR COLOR, STYLE, ETC. FOR VARIOUS COUNTERTOP MATERIALS ("PL" DENOTES PLASTIC LAMINATE AND "MM" DENOTES MONOLITHIC MATERIAL).

6 Typical Countertop Detail

SCALE: 1" = 1'-0"

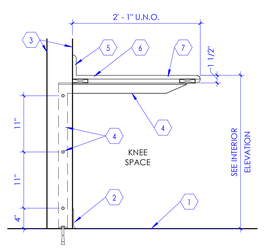


KEYED NOTES

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

4 Steel Support For Countertop at Masonry & Concrete Walls

SCALE: 1" = 1'-0"

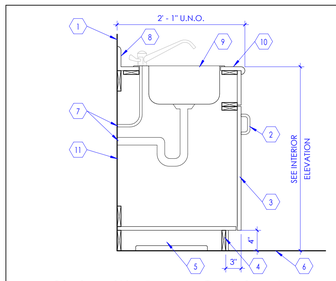


KEYED NOTES

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

5 Steel Support for Countertop at Stud Wall

SCALE: 1" = 1'-0"

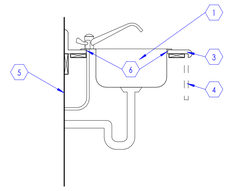


KEYED NOTES

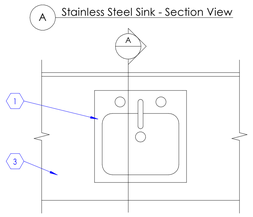
1. LINE OF WALL, AS OCCURS. IF CABINET IS LOCATED AT AN ISLAND, PROVIDE PLASTIC LAMINATE COVERED BACK PANEL, WHERE EXPOSED. NO BACKSPLASH IS NECESSARY.
2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
3. PLASTIC LAMINATE CABINET DOOR.
4. WALL BASE. SEE FINISH SCHEDULE.
5. CABINET BASE. COORDINATE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

7 Sink with Base Cabinet

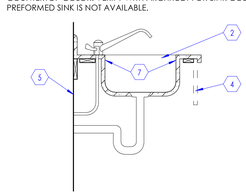
SCALE: 1" = 1'-0"



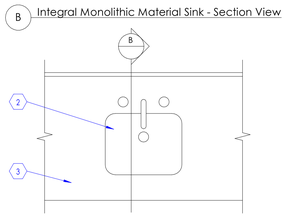
A Stainless Steel Sink - Section View



Stainless Steel Sink - Plan View



B Integral Monolithic Material Sink - Section View



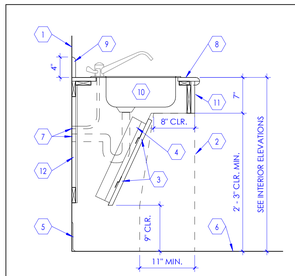
Integral Monolithic Material Sink - Plan View

KEYED NOTES

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

9 Typical Sink Detail

SCALE: 1" = 1'-0"



KEYED NOTES

1. LINE OF WALL.
2. KNEE AND TOE CLEARANCE REQUIRED FOR ADA.
3. SKIRT PANEL, 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. PLASTIC LAMINATE SUPPORT PANEL, 2" X 2" X 1" THICK X CONT., 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. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
9. BACKSPLASH. SEE TYPICAL COUNTERTOP DETAIL **6 / A505B**
10. SINK. SEE PLUMBING DRAWINGS. SINK SHALL PROVIDE ADA COMPLIANT BOWL DEPTH. SEE DETAIL **9 / A505B**
11. PLASTIC LAMINATE FASCIA PANEL.
12. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**

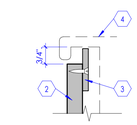
NOTE: PROVIDE STEEL SUPPORT WITHIN ASSEMBLY WHERE COUNTER IS UNSUPPORTED, TYP.

8 Sink without Base Cabinet

SCALE: 1" = 1'-0"

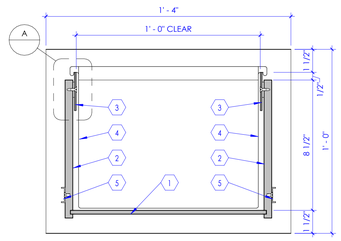
KEYED NOTES

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



A File Drawer Edge

SCALE: 6" = 1'-0"

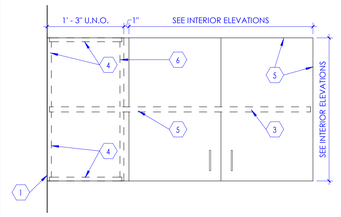


10 File Drawer Section

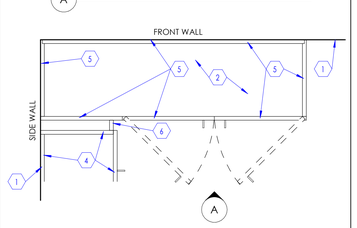
SCALE: 3" = 1'-0"

KEYED NOTES

1. LINE OF WALL.
2. EXTEND THIS WALL CABINET TO WALL AS INDICATED.
3. FIXED SHELF.
4. OUTLINE OF CABINET THAT OCCURS ON SIDE WALL.
5. OUTLINE OF CABINET THAT OCCURS ON FRONT WALL.
6. FILLER PANEL, PLASTIC LAMINATE OVER 3/4" PARTICLE BOARD, AS REQUIRED.



A Front Elevation



CABINET SECTION

11 Wall Cabinet - Extended at Corners

SCALE: 1" = 1'-0"

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Intermountain Health
Intermountain Life Flight
Life Flight Simulator

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Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

Cabinet Details

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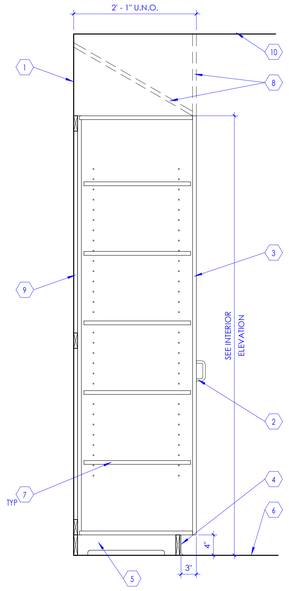
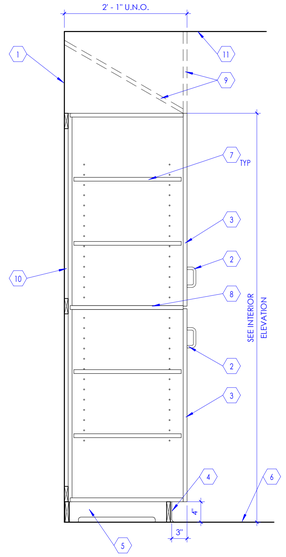


KEYED NOTES

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

1 Tall Cabinet with One Door

SCALE: 1" = 1'-0"

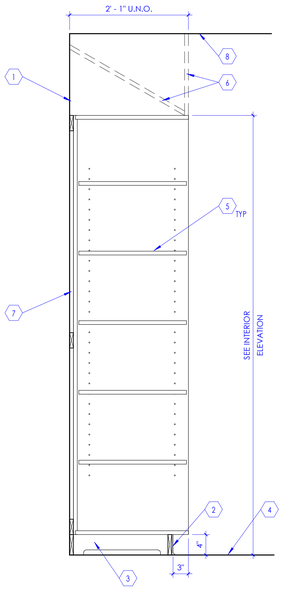


KEYED NOTES

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

2 Tall Cabinet with Two Doors

SCALE: 1" = 1'-0"



KEYED NOTES

1. LINE OF WALL.
2. WALL BASE. SEE FINISH SCHEDULE.
3. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER AND DATA OUTLETS THAT ARE LOCATED HERE.
4. LINE OF FLOOR.
5. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF FIVE SHELVES. NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
6. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL **2 / A505B**
7. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**
8. LINE OF CEILING. SEE REFLECTED CEILING PLAN.

3 Tall Cabinet Without Doors

SCALE: 1" = 1'-0"

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NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

Cabinet Details

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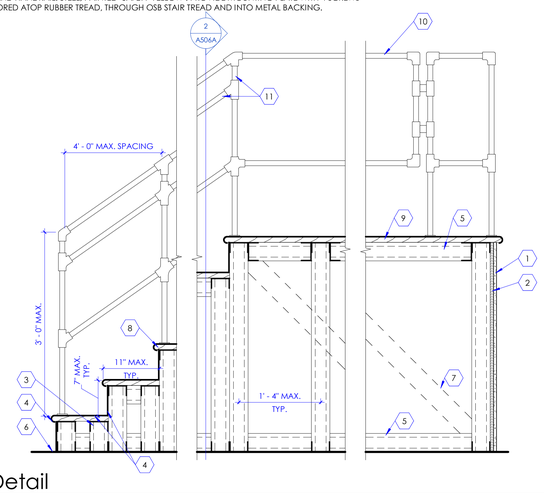
KEYED NOTES

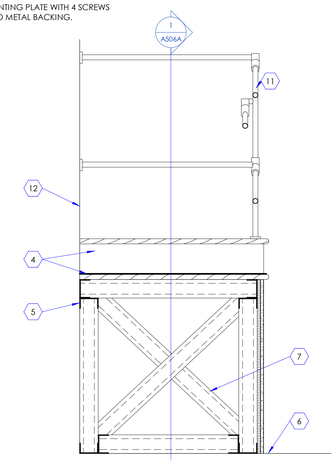
1. GYPSUM BOARD, 5/8" THICK, TYPE 'X', ATTACHED TO PLYWOOD.
2. 7/16" FRTW PLYWOOD SHEATHING.
3. LIGHT GAUGE STUD FRAMING, 16-GAUGE AS REQUIRED.
4. ONE PIECE RUBBER NOSING/TREAD/RISER WITH RAISED DISC PATTERN
5. STEEL STUD TRACK, 16-GAUGE AS REQUIRED.
6. LINE OF FLOOR.
7. BRACING AS REQUIRED.
8. 1" OSB STAIR TREAD.
9. 5/8" FRTW PLYWOOD DECKING.
10. PREFABRICATED SELF-CLOSING SAFETY GATE, PAINTED "SAFETY YELLOW".
11. SAFETY RAILING AND HANDRAIL, STEEL, PAINTED "SAFETY YELLOW". PROVIDE MOUNTING PLATE WITH 4 SCREWS PER PLATE ANCHORED ATOP RUBBER TREAD, THROUGH OSB STAIR TREAD AND INTO METAL BACKING.
12. NOT USED.



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

KEYED NOTES

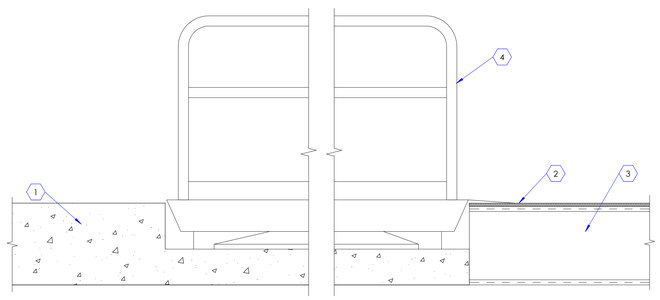
1. GYPSUM BOARD, 5/8" THICK, TYPE 'X', ATTACHED TO PLYWOOD.
2. 7/16" FRTW PLYWOOD SHEATHING.
3. LIGHT GAUGE STUD FRAMING, 16-GAUGE AS REQUIRED.
4. ONE PIECE RUBBER NOSING/TREAD/RISER WITH RAISED DISC PATTERN
5. STEEL STUD TRACK, 16-GAUGE AS REQUIRED.
6. LINE OF FLOOR.
7. BRACING AS REQUIRED.
8. 1" OSB STAIR TREAD.
9. 5/8" FRTW PLYWOOD DECKING.
10. PREFABRICATED SELF-CLOSING SAFETY GATE, PAINTED "SAFETY YELLOW".
11. SAFETY RAILING AND HANDRAIL, STEEL, PAINTED "SAFETY YELLOW". PROVIDE MOUNTING PLATE WITH 4 SCREWS PER PLATE ANCHORED ATOP RUBBER TREAD, THROUGH OSB STAIR TREAD AND INTO METAL BACKING.
12. LINE OF WALL.



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

KEYED NOTES

1. CONCRETE BASE, SEE STRUCTURAL DRAWINGS.
2. PLYWOOD DECKING, SEE STRUCTURAL DRAWINGS.
3. FLOOR JOIST, SEE STRUCTURAL DRAWINGS.
4. TRUCK SCISSOR DOCK LIFT.



3 Floor Section - Dock Lift
SCALE: 1" = 1'-0"

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NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

Details

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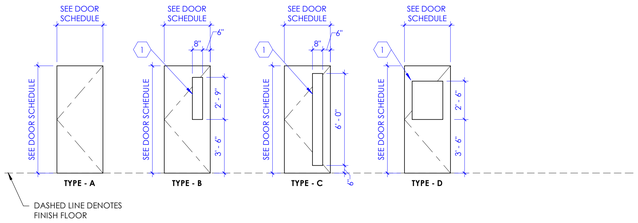
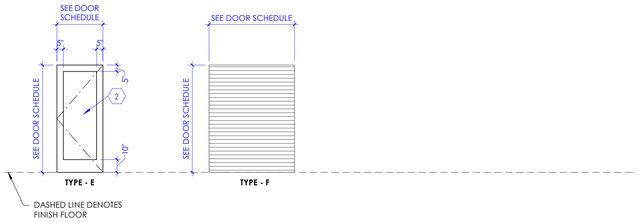
KEYED NOTES

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.





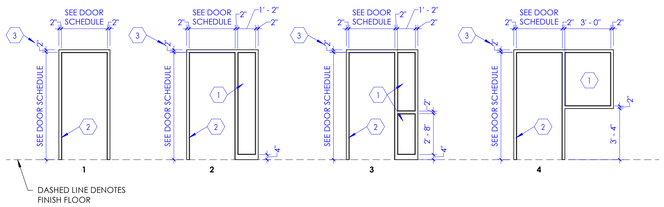
1 Door Types

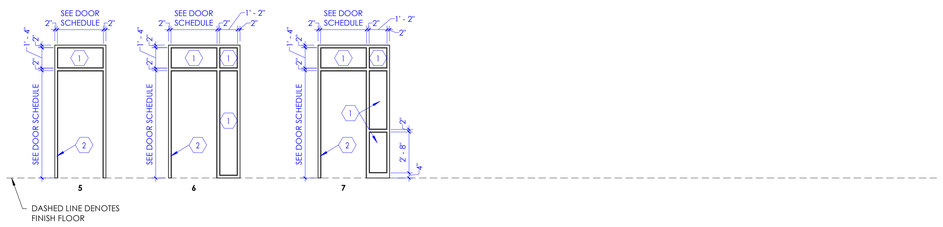
SCALE: 1/4" = 1'-0"

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.

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"

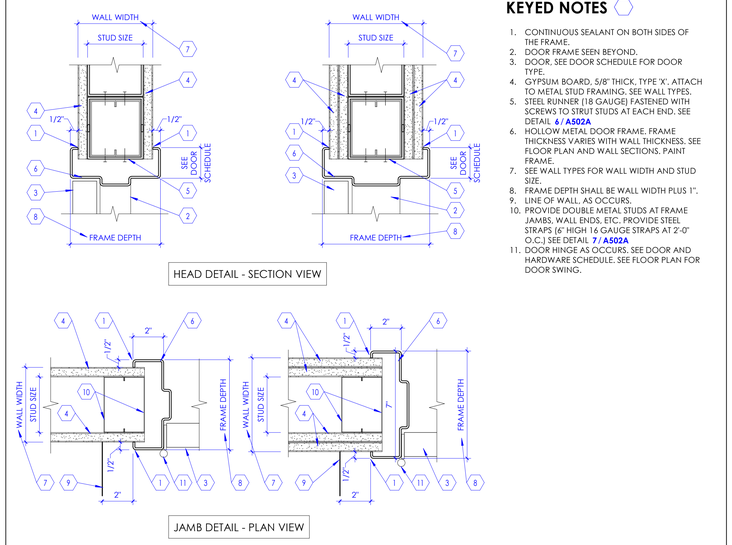
NOTE: REFER TO "DOOR SCHEDULE" FOR FRAME TYPES REQUIRED FOR THIS PROJECT. SOME FRAME TYPE ELEVATIONS INDICATED ABOVE MAY NOT BE APPLICABLE TO THIS PROJECT.

DOOR SCHEDULE

DOOR #	DOOR							FRAME			DETAILS			DOOR #	FIRE RATING (MINUTES)	HARDWARE GROUP	COMMENTS
	# OF PANELS	WIDTH		SIZE				TYPE (2/A601A)	DEPTH	MATERIAL	JAMB	HEAD	THRESHOLD				
		W1	W2	HEIGHT	THICKNESS	MATERIAL	TYPE (1/A601A)										
A100	2	3' - 0"		7' - 0"	1 3/4"	WD	A	1	8 1/4"	HM				A100			
A101A	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	8 1/4"	HM				A101A			1
A101B		10' - 0"		12' - 0"										A101B			
A102A	2	3' - 0"		7' - 0"	1 3/4"	WD	A	1	8 1/4"	HM				A102A			1
A102B	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	8 1/4"	HM				A102B			1
A102C	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	8 5/8"	HM				A102C			

COMMENTS

1. PROVIDE LOCKING HARDWARE



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.

3 Door Frame in Stud Wall

SCALE: 3" = 1'-0"

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267857-0301
12/11/25
LICENSED ARCHITECT

Intermountain Health
Intermountain Life Flight Life Flight Simulator

2284 160 N
Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

Door Schedule

A601A

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FINISH SCHEDULE

TAG	FINISH TYPE	SIZE	MATERIAL DESCRIPTION	MANUFACTURER	STYLE	MODEL #	COLOR	COMMENTS

COMMENTS

1. INFORMATION FOR THE FIRST COMMENT
2. INFORMATION FOR THE SECOND COMMENT
3. INFORMATION FOR THE THIRD COMMENT
4. INFORMATION FOR THE FORTH COMMENT

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.

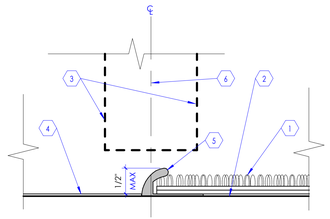
G. IN ROOMS AND AREAS WHERE GYPSUM BOARD CEILING IS INDICATED, PAINT CEILING WITH THE SAME COLOR AND TYPE AS ADJACENT WALLS. IN WET ROOMS (LIKE RESTROOM, KITCHEN, ETC.) WHERE EPOXY PAINT IS INDICATED AS A REQUIREMENT ON WALLS, PAINT CEILINGS AND SOFFITS WITH EPOXY TYPE PAINT. ALL GYPSUM BOARD SOFFITS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



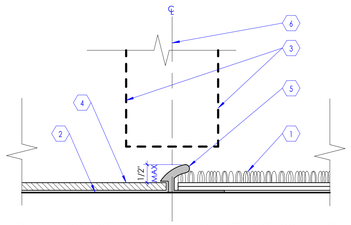
FINISH SUBSTRATE (CONCRETE, GYPCRETE, WOOD) TO **CARPET FLOOR COVERING (CARPET TILE, BROADLOOM, WALK OFF MAT)**

KEYED NOTES

1. CARPET FLOOR COVERING AS OCCURS. SEE FINISH SCHEDULE.
2. LINE OF FLOOR.
3. DOOR AS OCCURS.
4. LIQUID APPLIED FINISH (OPAQUE SEALER, CLEAR SEALER, ETC.). SEE FINISH SCHEDULE.
5. METAL TRANSITION STRIP, MODEL NUMBER LVT 160 IN ETCHED ALUMINUM BY FUTURA OR EQUIVALENT. ATTACH TRANSITION STRIP TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS.
6. CENTERLINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.

1 Floor Covering Transition Detail

SCALE: 12" = 1'-0"



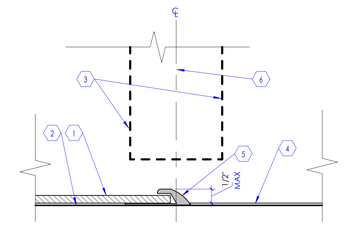
RESILIENT FLOOR COVERING (VCT, LVT) TO **CARPET FLOOR COVERING (CARPET TILE, BROADLOOM, WALK OFF MAT)**

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: 12" = 1'-0"



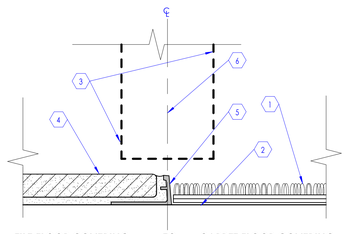
RESILIENT FLOOR COVERING (VCT, LVT) TO **FINISH SUBSTRATE (CONCRETE, GYPCRETE, WOOD)**

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: 12" = 1'-0"



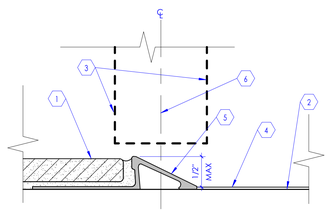
TILE FLOOR COVERING (CERAMIC, PORCELAIN) TO **CARPET FLOOR COVERING (CARPET TILE, BROADLOOM, WALK OFF MAT)**

KEYED NOTES

1. CARPET FLOOR COVERING AS OCCURS. SEE FINISH SCHEDULE.
2. LINE OF FLOOR.
3. DOOR AS OCCURS.
4. CERAMIC, PORCELAIN TILE, ETC. ON THINSET MORTAR BED. SEE FINISH SCHEDULE.
5. METAL TRANSITION STRIP, EDGETEK SERIES IN ALUMINUM BY FUTURA OR EQUIVALENT. ATTACH TRANSITION STRIP TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS.
6. CENTER LINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.

4 Floor Covering Transition Detail

SCALE: 12" = 1'-0"



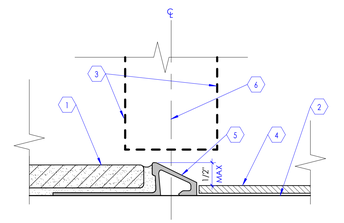
TILE FLOOR COVERING (CERAMIC, PORCELAIN) TO **FINISH SUBSTRATE (CONCRETE, GYPCRETE, WOOD)**

KEYED NOTES

1. CERAMIC, PORCELAIN TILE, ETC. ON THINSET MORTAR BED. 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, EDGETEK SERIES IN ALUMINUM BY FUTURA OR EQUIVALENT. ATTACH TRANSITION STRIP TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS.
6. CENTERLINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.

5 Floor Covering Transition Detail

SCALE: 12" = 1'-0"



TILE FLOOR COVERING (CERAMIC, PORCELAIN) TO **RESILIENT FLOOR COVERING (VCT, LVT)**

KEYED NOTES

1. CERAMIC, PORCELAIN TILE, ETC. ON THINSET MORTAR BED. SEE FINISH SCHEDULE.
2. LINE OF FLOOR.
3. DOOR AS OCCURS.
4. RESILIENT FLOORING (VINYL COMPOSITION TILE, LUXURY VINYL TILE, AS OCCURS). SEE FINISH SCHEDULE.
5. METAL TRANSITION STRIP, EDGETEK SERIES IN ALUMINUM BY FUTURA OR EQUIVALENT. ATTACH TRANSITION STRIP TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS.
6. CENTERLINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.

6 Floor Covering Transition Detail

SCALE: 12" = 1'-0"

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NJRA ARCHITECTS

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267857-0301
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LICENSED ARCHITECT

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Finish Schedule & Details

A603A

GENERAL PLAN SYMBOLS

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

ABBREVIATIONS

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

EQUIPMENT ABBREVIATIONS

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

* NOTE *

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

HVAC SYMBOLS

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

GRILLE, REGISTER, DIFFUSERS

SQUARE CEILING DIFFUSER — CD3 | 500 | 10"Ø/24x24 | 25 | H6/9/17
- TYPE (SEE SCHEDULE)
- AIRFLOW
- NECK SIZE / MODULE SIZE
- CATALOG THROW PERFORMANCE
- THROW PATTERN
- MAX NC RATING

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

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

LINEAR DIFFUSER — LD8 | 200 | 8'0/2x/4'-0"L
- AIRFLOW
- NECK SIZE/ SLOT(S)/ ACTIVE LENGTH

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

CEILING RETURN — RG2 | 500 | 12"x12"/24x24 | 25
- AIRFLOW
- NECK SIZE / MODULE SIZE
- MAX NC RATING

MECHANICAL EQUIPMENT

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

DAMPER TYPES

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

MECHANICAL PIPING SYMBOLS

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

VALVE TYPES

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

MECHANICAL DEVICES

AHU-1 — UNIT IDENTITY

- TS — TEMPERATURE SENSOR
- TH — TEMP/ HUMIDITY SENSOR
- TC — TEMP/ CO2 SENSOR
- T — THERMOSTAT
- H — HUMIDSTAT
- HS — HUMIDITY SENSOR
- CO2 — CARBON DIOXIDE DETECTOR
- CO — CARBON MONOXIDE DETECTOR
- H2 — HYDROGEN GAS DETECTOR
- HZG — HAZARDOUS GAS DETECTOR
- NO2 — NITROGEN DIOXIDE DETECTOR
- O2 — OXYGEN GAS DETECTOR

HVAC GENERAL NOTES

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

MECHANICAL PIPING GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.
2. UNLESS OTHERWISE NOTED, ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
3. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
4. ALL VALVES SHALL BE INSTALLED SO THAT VALVES REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
5. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION AND TAGGED.
6. COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL PLANS OR SPECIFICATIONS.
7. ALL PIPING UTILIZED IN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS SHALL COMPLY WITH NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/500, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
8. WHERE NON-PLENUM-RATED PIPING IS PERMITTED OR REQUIRED WITHIN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS, IT SHALL BE INSULATED TO ACHIEVE NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/500, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

HVAC SHEET INDEX

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Dec 11, 2025
No. 362024
JED HARLINE LYMAN
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Project #: 250881

Intermountain Health
Intermountain Life Flight Life Flight Simulator
2284 I-60 N
Salt Lake City, UT 84116

NJRA Project #	2500081
100% CD'S	Dec 11, 2025
Title Sheet Revision	

HVAC TITLE SHEET

M001

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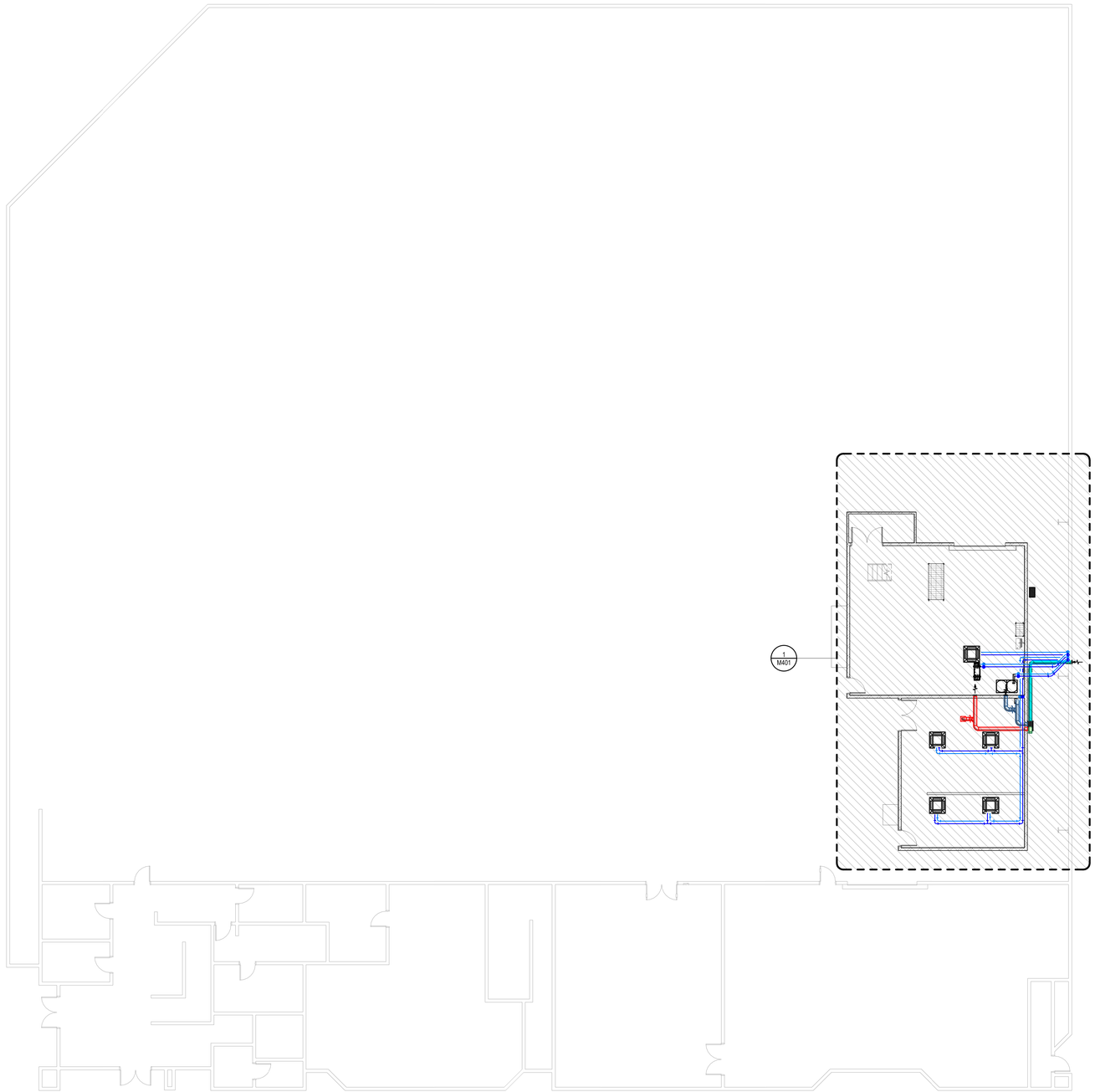
KEYNOTES



1 MECHANICAL PLAN LEVEL 1 - OVERALL
1" = 10'-0"

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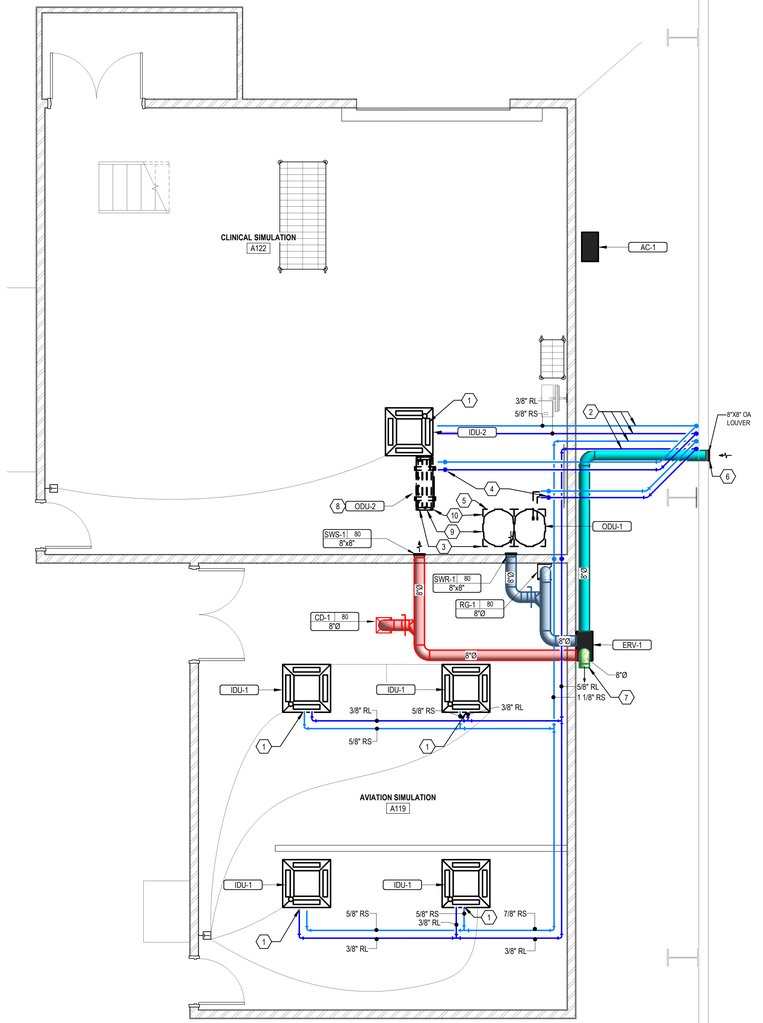
MECHANICAL PLAN LEVEL 1 - OVERALL

M113



1 ENLARGED MECHANICAL PLAN
1/4" = 1'-0"

KEYNOTES

1. CONNECT REFRIGERANT PIPING TO INDOOR UNIT.
2. REFRIGERANT PIPING SHALL BE INSTALLED ABOVE HARD LID CEILING TO EACH CASSETTE AND SHALL EXIT THE NEW EXTERIOR WALL AT A SINGLE LOCATION SO THAT ALL PIPING CAN BE ROUTED OVERHEAD TO RISE UP THE EXISTING COLUMN OF THE HANGAR. INSTALL PIPING ON A HORIZONTAL LADDER CONSTRUCTED USING P-1000 UNITRUT WITH RUNGS SPACED 2 FEET ON CENTER TO BRIDGE GAP BETWEEN NEW SIMULATOR BUILDING AND EXISTING COLUMN. USE STRUT PIPE CLAMPS TO ATTACH EACH PIPE TO EACH RUNG. ATTACH LADDER TO SIMULATOR BUILDING WITH 3/8" BOLTS AND WASHERS AND TO EXISTING COLUMN USING BEAM CLAMPS. USE 3/8" HEX BOLTS AND CONE NUTS AND OTHER COMPATIBLE STRUT CONNECTORS TO BUILD LADDER. SUPPORT PIPING EVERY 4 FT VERTICALLY AND HORIZONTALLY BELOW ROOF STRUCTURE.
3. INSTALL UNITS A MINIMUM OF 10'-0" FROM THE EDGE OF ROOF.
4. REFRIGERANT PIPING TO PENETRATE ROOF IN THIS LOCATION AND CONNECT TO OUTDOOR UNIT MOUNTED ON ROOF. SEE ARCHITECTURAL FOR FLASHING AND PATCH AND REPAIR DETAILS.
5. MOUNT OUTDOOR HEAT PUMP ON MIRO INDUSTRIES PLATFORM OR EQUIVALENT AND WIDEN THE STANCE SUCH THAT TWO LEGS ARE DIRECTLY ABOVE THE EXISTING TRUSS AND THE OTHER TWO LEGS ARE DIRECTLY ABOVE A PURLIN.
6. MOUNT LOUVER 18'-0" ABOVE FINISHED FLOOR.
7. PROVIDE ELBOW AT ERV DISCHARGE TO PREVENT DEBRIS FROM FALLING INTO UNIT. DISCHARGE RETURN AIR INTO HANGAR.
8. MOUNT OUTDOOR HEAT PUMP ON MIRO INDUSTRIES PLATFORM OR EQUIVALENT.
9. MIRO INDUSTRIES SHALL PROVIDE SEISMIC AND WIND CALCULATIONS USING A LICENSED ENGINEER FOR ATTACHMENT OF UNIT TO PLATFORM AND FOR ATTACHMENT OF PLATFORM TO ROOF DECK. PLATFORM SHALL SIT ON ROOF USING NO PENETRATING BASES. SEISMIC AND WIND RESTRAINT SHALL BE PROVIDED USING CABLES FROM PLATFORM TO FASTENERS THROUGH ROOF DECK WITH WATER TIGHT SEAL USING U-ANCHOR BY ANCHOR PRODUCTS OR APPROVED EQUAL.
10. LICENSED ENGINEER SHALL PROVIDE SEISMIC RESTRAINT DESIGN PER ASCE-7. SEE STRUCTURAL DRAWINGS FOR SEISMIC DESIGN CATEGORY.

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ENLARGED MECHANICAL PLAN

M401

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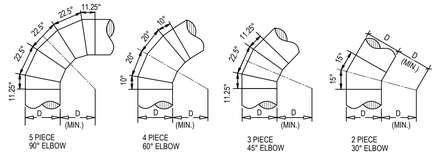
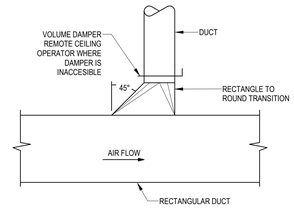
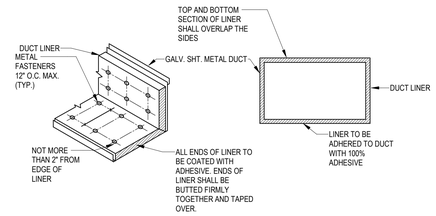


5 PIECE 90° ELBOW | 4 PIECE 60° ELBOW | 3 PIECE 45° ELBOW | 2 PIECE 30° ELBOW

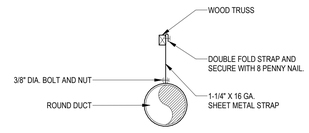
4 ROUND DUCT ELBOWS DETAIL
12" = 1'-0"



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



2 RECTANGULAR DUCT LINER DETAIL
12" = 1'-0"



NOTE:
USE SPECIFIED SPACING AND NOT LESS THAN ONE SUPPORT PER BRANCH.

3 ROUND DUCT SUPPORT DETAIL
12" = 1'-0"

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Salt Lake City, UT 84116

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MECHANICAL DETAILS

M501

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INDOOR UNIT SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR USAGE	AIR AIRFLOW RATE (CFM)	TOTAL LOAD (BTU/H)	ENTERING TEMP. DB/WB (°F)	VRF REFRIGERANT	ELECTRICAL MOP	ELECTRICAL MCA	ELECTRICAL VOLT/PH/HZ	PHYSICAL WIDTH/HEIGHT/DEPTH (IN)	PHYSICAL WEIGHT (LB)	NOTES
IDU-1	MITSUBISHI PUHY-P168YNU-A	AVIATION SIMULATION A119	CEILING CASSETTE	HEATING	1236	54000	70/--	R454B	15	1.24	208/1/60	33/33/12	66	1
				COOLING	1236	48000	80/62							
IDU-2	MITSUBISHI PUZ-AK48NL	CLINIC AIRCRAFT SIMULATION A118	CEILING CASSETTE	HEATING	1200	60000	70/--	R454B	-.-	2	208/1/60	33/33/12	57	1,2
				COOLING	1200	49000	80/62							

1. PROVIDE ACCESSORY CONDENSATE PUMP. CONDENSATE PUMP IS POWERED BY THE OUTDOOR UNIT.
2. INDOOR UNIT IS POWERED BY OUTDOOR UNIT.

OUTDOOR UNIT SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	DESCRIPTION	NOMINAL TONNAGE	AIR USAGE	AIR AMBIENT DESIGN (°F)	VRF LOAD (BTU/H)	VRF REFRIGERANT	ELECTRICAL MOP	ELECTRICAL MCA	ELECTRICAL VOLT/PH/HZ	PHYSICAL LENGTH/WIDTH/ HEIGHT (IN)	PHYSICAL WEIGHT (LB)	NOTES
ODU-1	MITSUBISHI PUHY-P168YNU-A	AIR COOLED HEAT PUMP		HEATING	35	188000	R454B	50	30	460/3/60	69/30/72	759	
			14	COOLING	100	168000							
ODU-2	MITSUBISHI PUZ-AK48NL	AIR COOLED HEAT PUMP		HEATING	35	60000	R454B	67	38	460/3/60	42/14/59	265	
			4	COOLING	100	48000							

AIR-TO-AIR ENERGY RECOVERY SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	OUTSIDE/SUPPLY USAGE	OUTSIDE/SUPPLY TOTAL/ SENSIBLE LOAD (BTU/H)	OUTSIDE/SUPPLY AIRFLOW RATE (CFM)	OUTSIDE/SUPPLY ENTERING TEMP. DB/WB (°F)	OUTSIDE/SUPPLY LEAVING TEMP. DB/WB (°F)	OUTSIDE/SUPPLY STATIC PRESSURE (IN. WATER)	RETURN/EXHAUST AIRFLOW RATE (CFM)	RETURN/EXHAUST ENTERING TEMP. DB/WB (°F)	RETURN/EXHAUST STATIC PRESSURE (IN. WATER)	EFFECTIVE SENSIBLE/ LATENT (%)	ELECTRICAL MCA (A)	ELECTRICAL MOP (A)	ELECTRICAL MOTOR V/PH/HZ	PHYSICAL LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
ERV-1	RENEWAIRE EV PREMIUM M	HANGAR	HEAT	15979/12960	160	-5/--	45.6/34.6	1	160	75/--	1	-.-	15	15	120/1/60	26 / 23 / 13	1
			COOL	7707/3283	160	94/60	81.2/58.1	1	160	75/--	1	-.-					

1. SELECTION BASED ON ELEVATION OF 4200' ABOVE SEA LEVEL.

AIR COMPRESSOR SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	MAXIMUM FLOW EA. PUMP (ACFM)	MAXIMUM PUMP PRESS. (PSIG)	RECEIVER SIZE (GAL)	RECEIVER TYPE	ELECTRICAL MOTOR QUAN.	ELECTRICAL MOTOR SIZE (HP)	ELECTRICAL MOTOR SPEED (RPM)	ELECTRICAL AMPS	ELECTRICAL VOLT/PH	PHYSICAL LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
AC-1	INGERSOLL RAND P1.5IU-A9	HANGAR	RECIPROCATING TWO STAGE	4.6	135	20	HORIZONTAL	1	2	1775	15	120/60		

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	TITUS	OMNI	30	SQUARE PLAQUE FACE CEILING DIFFUSERS. REMOVABLE FACE., C.W./O.B.D. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
RG-1	TITUS	PAR	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES HSLL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.
SWS-1	TITUS	300	30	DOUBLE DEFLECTION HIGH SIDEWALL SUPPLY REGISTER. VERTICAL FRONT WITH HORIZONTAL REAR DEFLECTION ADJUSTABLE VANES SPACED AT 3/4 INCH O.C. COMPLETE WITH OBD AND REMOVABLE CORE.
SWR-1	TITUS	355	30	SIDEWALL RETURN AIR GRILLE. HORIZONTAL STATIONARY 35° DEFLECTION VANES SET ON 1/2 INCH CENTER, COMPLETE WITH OBD ADJUSTABLE THROUGH FACE.

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MECHANICAL SCHEDULES

M601

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GENERAL PLAN SYMBOLS

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

PLUMBING SYMBOLS

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

PLUMBING SYMBOLS

PIPE ACCESSORY NOTES

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

PLUMBING FIXTURE NOTES

- FLOOR DRAIN — DESIGN SIZE
- 2" FD-1 — IDENTITY TYPE
- 2 DFU — DRAINAGE FIXTURE UNITS
- 2" FD-3 — FLOOR DRAIN W/ DEEP SEAL TRAP
- 2" FD-3P — FLOOR DRAIN W/ TRAP PRIMER "P" INDICATES PRIMER CONNECTION
- 2" FD-1 — FLOOR DRAIN W/ INTEGRAL CLEANOUT
- 3" AD-1 — AREA DRAIN (NO TRAP)
- 6" DD-1 — DECK DRAIN
- 3" HD-1 — HUB DRAIN (FUNNEL TYPE)
- 3" FS-4 — FLOOR SINK
- 8" SD-12 — ROOF DRAIN
- 6" SD-1 — COMBINATION DRAIN
- 2000 SF — RAINFALL SURFACE AREA

ABBREVIATIONS

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

EQUIPMENT ABBREVIATIONS

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

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

PROJECT REQUIREMENTS

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

PLUMBING GENERAL NOTES

1. 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.
2. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
3. ALL PIPING IN PLUMBING SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
4. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCCS. PROTECT EQUIPMENT WITH A 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. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
8. DRAIN PANS SHALL BE INSTALLED UNDER ANY PIPING THAT MAY CONTAIN WATER INSTALLED IN AN ELECTRICAL DATA, IT, OR OTHER ROOM WITH SENSITIVE ELECTRICAL EQUIPMENT. THIS INCLUDES, BUT IS NOT LIMITED TO HYDRONIC, WASTE, DOMESTIC, ROOF DRAIN, ETC.
9. ALL PIPING UTILIZED IN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS SHALL COMPLY WITH NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION OF 25/50/0, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
10. WHERE NON-PLENUM-RATED PIPING IS PERMITTED OR REQUIRED WITHIN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS, IT SHALL BE INSULATED TO ACHIEVE NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/50/0, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

Plumbing Sheet Index

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LICENSED PROFESSIONAL ENGINEER
Dec 11, 2025
No. 362024
JED HARLINE LYMAN
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Project #: 250881

Intermountain Health
Intermountain Life Flight Life Flight Simulator
2284 1450 N
Salt Lake City, UT 84116

NJRA Project #	2500081
100% CD'S	Dec 11, 2025
Title Sheet Revision	

PLUMBING
TITLE SHEET

P001

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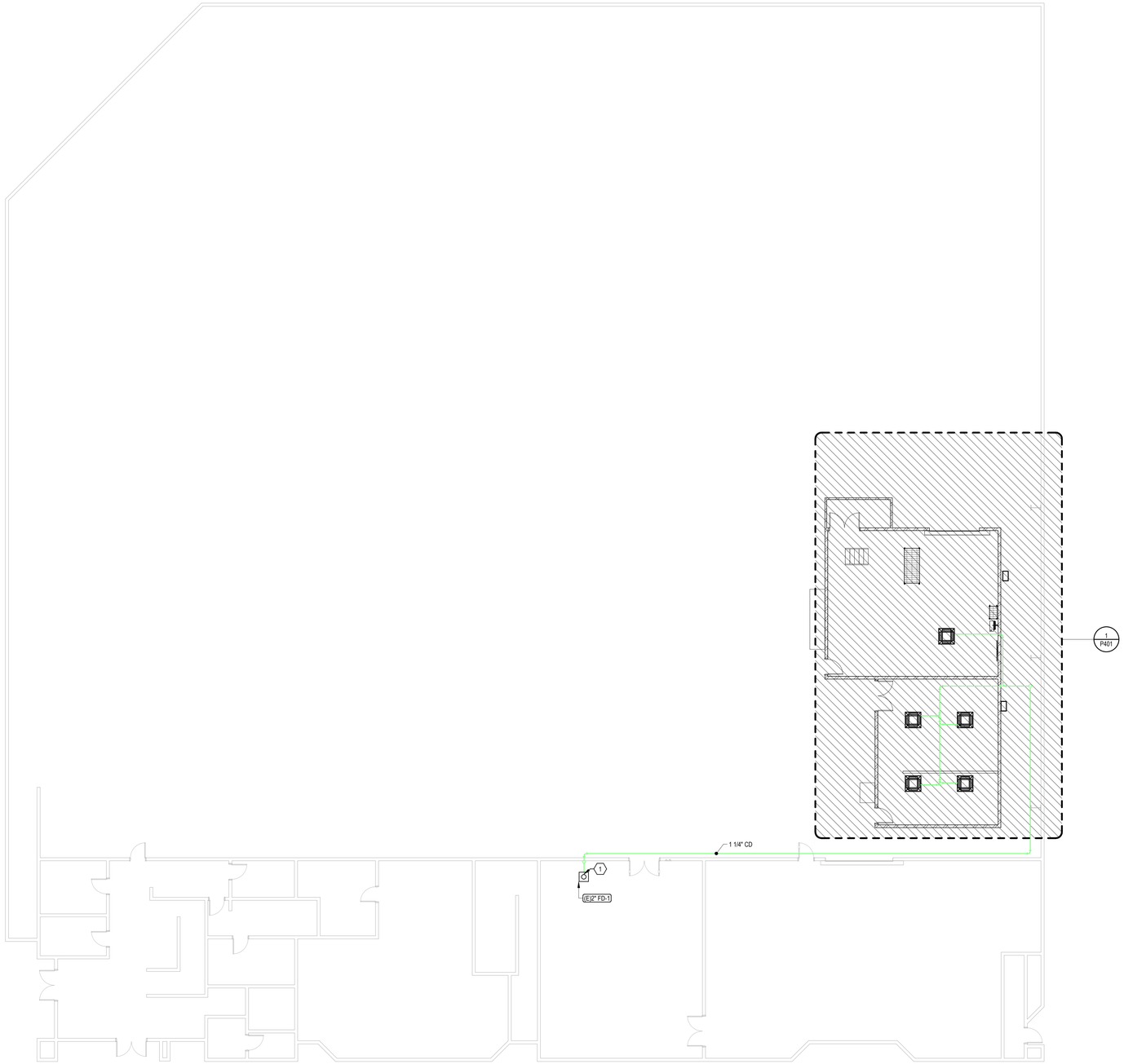

1 PLUMBING PLAN LEVEL 1 - OVERALL
1" = 10'-0"

KEYNOTES

1. TERMINATE CONDENSATE PIPING AT EXISTING FLOOR DRAIN IN THIS APPROXIMATE LOCATION WITH FIXED AIR GAP.

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Intermountain Life Flight
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NJRA Project # 2500081
100% CD'S Dec 11, 2025

PLUMBING
PLAN LEVEL 1
- OVERALL

P113

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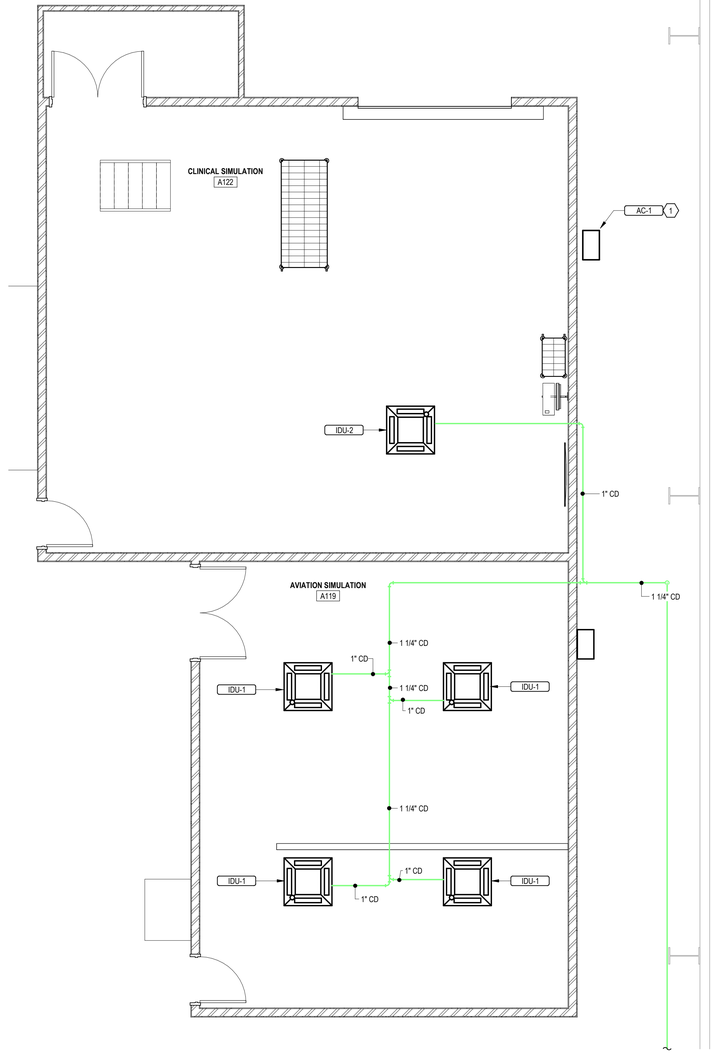
KEYNOTES

1. EXTEND 1/2" COMPRESSED AIR PIPING FROM AIR COMPRESSOR TO MOTION BASE. FINAL REGULATORS AND CONNECTION REQUIREMENTS BY OTHERS.



1 ENLARGED PLUMBING PLAN
1/4" = 1'-0"

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ENLARGED PLUMBING PLAN

P401

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SYMBOLS LEGEND

SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
A5 E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
A5 E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
A5 E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
X-X XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
MATCH LINE SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	PROPERTY LINE: DASHED, WIDE LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
XXX EF-X	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
X-X 1LA-3	EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "1LA-3" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
XXXET #	IN-GRADE PULLBOX INDICATOR. "XXXET" INDICATES LABEL SHOWN ON SCHEDULE. "#" IDENTIFIES SEQUENCE NUMBER SHOWN ON SITE AND RISER DIAGRAM. REFER TO PLANS AND EXTERIOR PULLBOX SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
	WIRING TURNED UP OR TOWARDS OBSERVER.
	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
1X	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. "X" INDICATES CONDUCTOR MATERIAL. REFER TO ONE-LINE DIAGRAM.
HC	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
C	JUNCTION BOX, CEILING.
SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
SP	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
PB	PULL BOX.
A"xB" +/-C'-D"	CABLE TRAY ABOVE ACCESSIBLE CEILING. "A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. +/-C'-D" DENOTES CABLE TRAY ELEVATION ABOVE OR BELOW FINISHED SURFACE.
	LADDER RACK.
—J—J—	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
EV	ELECTRIC VEHICLE CHARGING STATION.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
CONDUIT TYPES	
	RIGID NONMETALLIC CONDUIT, POWER 208V
	RIGID NONMETALLIC CONDUIT, POWER 480V
	RIGID NONMETALLIC CONDUIT, POWER 600+V
	RIGID NONMETALLIC CONDUIT, COMMUNICATIONS
	RIGID METALLIC CONDUIT, POWER 208V
	RIGID METALLIC CONDUIT, POWER 480V
	RIGID METALLIC CONDUIT, POWER 600+V
	RIGID METALLIC CONDUIT, COMMUNICATIONS

SYMBOLS LEGEND

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

SYMBOLS LEGEND

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

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
ANN	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
EPO	PUSH BUTTON, REMOTE EMERGENCY STOP.
G	GENERATOR, POWER (ONE-LINE DIAGRAM).
K	KIRK-KEY MECHANICAL INTERLOCK (ONE-LINE DIAGRAM)
M	METER.
BBF	BROAD BAND FILTER (ONE-LINE DIAGRAM).
VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DIODE (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
DP#__	DISTRIBUTION PANEL OR SWITCHBOARD.
LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
B B	BUSWAY.
	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, CLOSE ON INCREASE (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, OPEN ON INCREASE (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FOOT OPERATED (ONE-LINE DIAGRAM).
	SWITCH, MULTIPOSITION (ONE-LINE DIAGRAM).
	SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
GESM	GENERATOR ENGINE START MONITORING SYSTEM GENERATOR MODULE (ONE-LINE DIAGRAM).
ESM	GENERATOR ENGINE START MONITORING SYSTEM ATS MODULE (ONE-LINE DIAGRAM).
PRM	PHASE ROTATION MONITOR (ONE-LINE DIAGRAM).

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

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

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

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

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

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

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

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

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

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

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

GENERAL ELECTRICAL NOTES

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

2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.

   A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.

   B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.

   C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE.THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.

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

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

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

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

SITE COORDINATION

THE LOCATION, CAPACITY, AND VOLTAGE OF THE LINES ARE ALL IN ACCORDANCE WITH DATA GIVEN THIS OFFICE BY THE UTILITY COMPANY. COORDINATE WITH THE LOCAL UTILITY COMPANY FOR THE INSTALLATION OF THE ELECTRICAL SERVICE. COMPLY WITH UTILITY REGULATIONS. REPORT DISCREPANCIES TO THE ENGINEER.

<u>ELECTRIC UTILITY</u>

ROCKY MOUNTAIN POWER ADDRESS	PERSON CONTACTED: - DATE: - PHONE NUMBER: - EMAIL: -

<u>TELEPHONE UTILITY</u>

CENTURYLINK	PERSON CONTACTED: - DATE: - PHONE NUMBER: - EMAIL: -

<u>CABLE UTILITY</u>

AT&T BROADBAND SERVICES ADDRESS CITY, STATE, ZIP	PERSON CONTACTED: - DATE: - PHONE NUMBER: - EMAIL: -

<u>TYPE OF UTILITY</u>

NAME OF UTILITY ADDRESS CITY, STATE, ZIP	PERSON CONTACTED: - DATE: - PHONE NUMBER: - EMAIL: -

ELECTRICAL SHEET INDEX

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Intermountain Health
Intermountain Life Flight
Life Flight Simulator

2284 160 N
Salt Lake City, UT 84116

NJRA Project # 25252.00
Construction Documents Dec. 11, 2025

ELECTRICAL COVER SHEET

EE001

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
EM	EMERGENCY.
NL	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
P	PHOTOCELL.
P	PHOTOCELL, WALL MOUNTED.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	CEILING FAN.
	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
a,b	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH. LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
RC	DIGITAL LIGHTING ROOM CONTROLLER
DC	DIGITAL LIGHTING DIMMING CONTROLLER
LC	DIGITAL PLUG LOAD CONTROLLER
LS	LIGHTING NETWORK SWITCH.
NR	LIGHTING NETWORK ROUTER.
SM	LIGHTING NETWORK SEGMENT MANAGER
NB	LIGHTING NETWORK BRIDGE
ET	LIGHTING EMERGENCY TRANSFER DEVICE
L X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
TWO-WAY COMMUNICATIONS	
2WA	TWO-WAY COMMUNICATIONS MAIN CONTROL STATION (ANNUNCIATOR)
RCS	TWO-WAY COMMUNICATIONS REMOTE CALL STATION
	DATA CONNECTION: TWO-WAY EMERGENCY COMMUNICATION SYSTEM.

SYMBOLS LEGEND

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

SYMBOLS LEGEND

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

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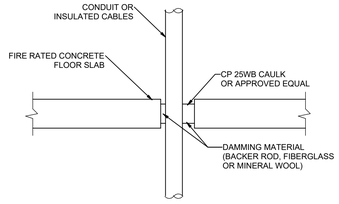
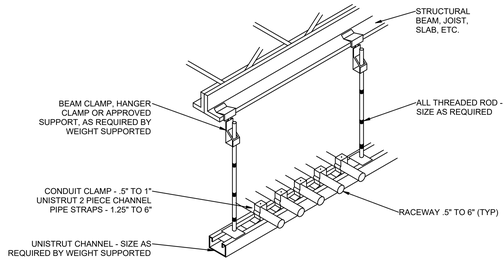
SYMBOLS LEGEND

EE002



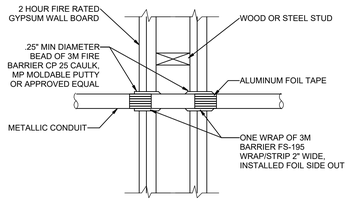
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING

6 SCALE: NTS



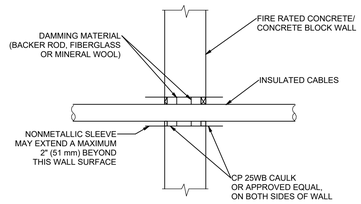
TYPICAL CONDUIT RACK DETAIL

3 SCALE: NTS



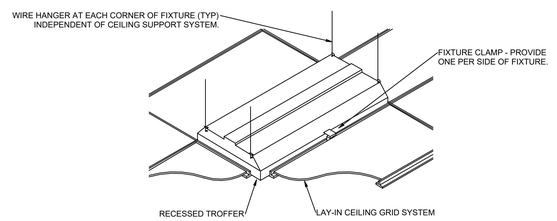
FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD

7 SCALE: NTS



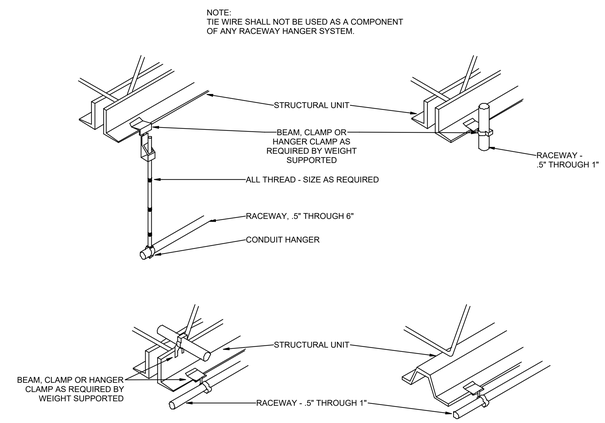
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS

5 SCALE: NTS



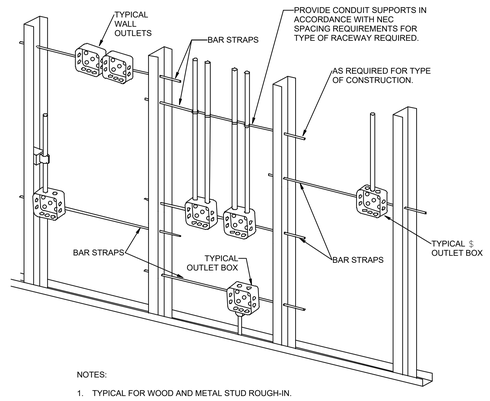
RECESSED FIXTURE MOUNTING DETAIL

2 SCALE: NTS



TYPICAL RACEWAY SUPPORT METHODS DETAIL

4 SCALE: NTS



NOTES:

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

TYPICAL ROUGH-IN REQUIREMENTS DETAIL

1 SCALE: NTS

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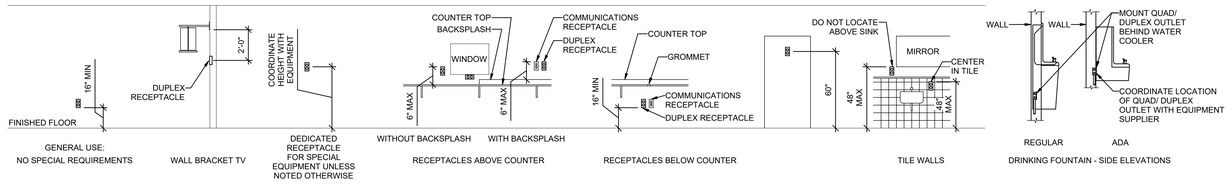
ELECTRICAL DETAILS

EE501

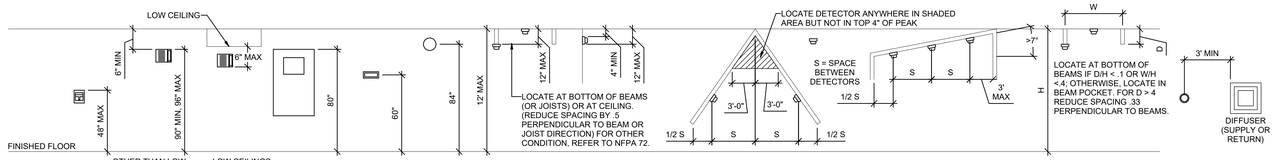
Autodesk Docs://250606 - Intermountain Flight Simulator/250606-Elec Central.rvt
12/10/2025 3:10:00 PM



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

E2 RECEPTACLE MOUNTING DETAILS

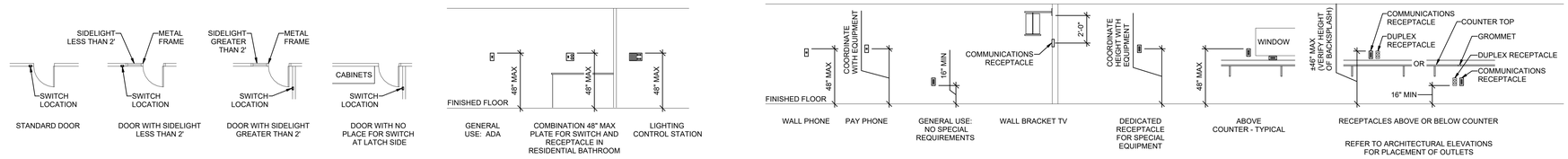
SCALE: NTS



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

D2 FIRE ALARM MOUNTING DETAILS

SCALE: NTS

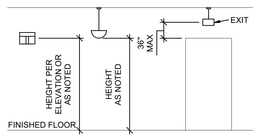


STANDARD DOOR | DOOR WITH SIDELIGHT LESS THAN 2' | DOOR WITH SIDELIGHT GREATER THAN 2' | DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE | GENERAL USE: ADA | COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM | LIGHTING CONTROL STATION | WALL PHONE | PAY PHONE | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | ABOVE COUNTER - TYPICAL | RECEPTACLES ABOVE OR BELOW COUNTER

REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS

C2 SWITCH MOUNTING DETAILS

SCALE: NTS



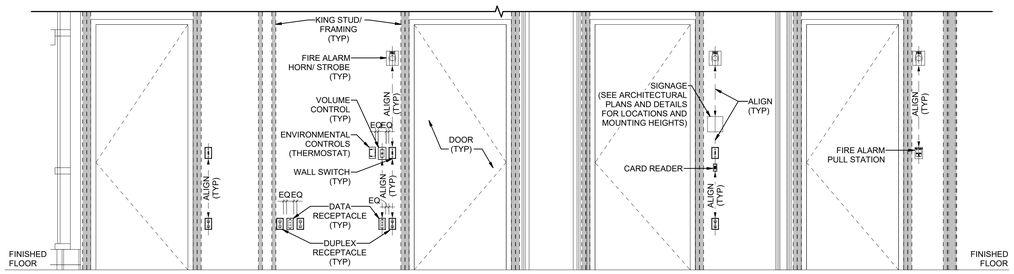
WALL MOUNTED LIGHT FIXTURE | PENDANT LIGHT FIXTURE | PENDANT EXIT SIGNS

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

BOXES ON OPOSITE SIDES OF WALL

C4 COMMUNICATIONS MOUNTING DETAILS

SCALE: NTS



B2 LIGHTING MOUNTING DETAILS

SCALE: NTS

B3 BOX MOUNTING DETAILS

SCALE: NTS

B4 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS

GENERAL SHEET NOTES

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

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

B - EQUIPMENT SHOP DRAWINGS.

C - FIELD INSTRUCTIONS.

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

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

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

5 SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.

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

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

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

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

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TYPICAL MOUNTING DETAILS

EE701

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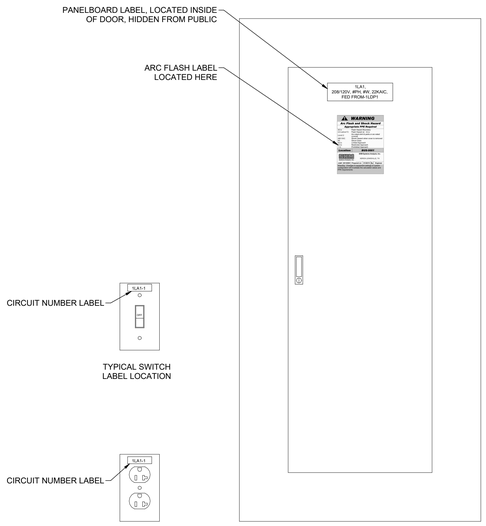

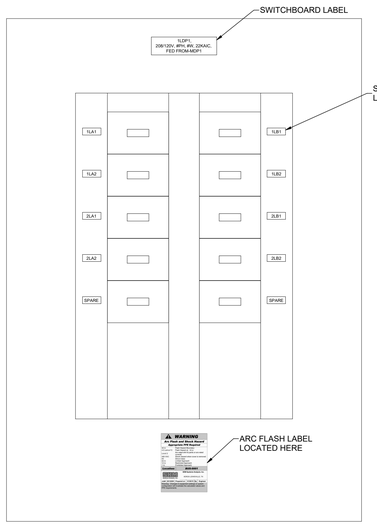

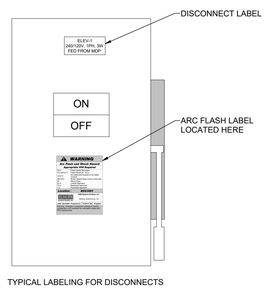

NOTES:
1. LABEL TO BE CENTERED IN EQUIPMENT, PREFERABLE ON FACE OF EQUIPMENT AND TOWARDS THE TOP.
2. REFER TO TYPICAL SWITCH/RECEPTACLE LABELING DETAIL FOR LABEL REQUIREMENTS.
3. DISPOSE OF AN EXISTING PANELBOARD NAME PLATES WHEN INSTALLING NEW NAME PLATES.

A3 TYPICAL SWITCH, RECEPTACLE AND PANELBOARD/SWITCHBOARD LABELING LOCATION DETAIL
SCALE: NTS

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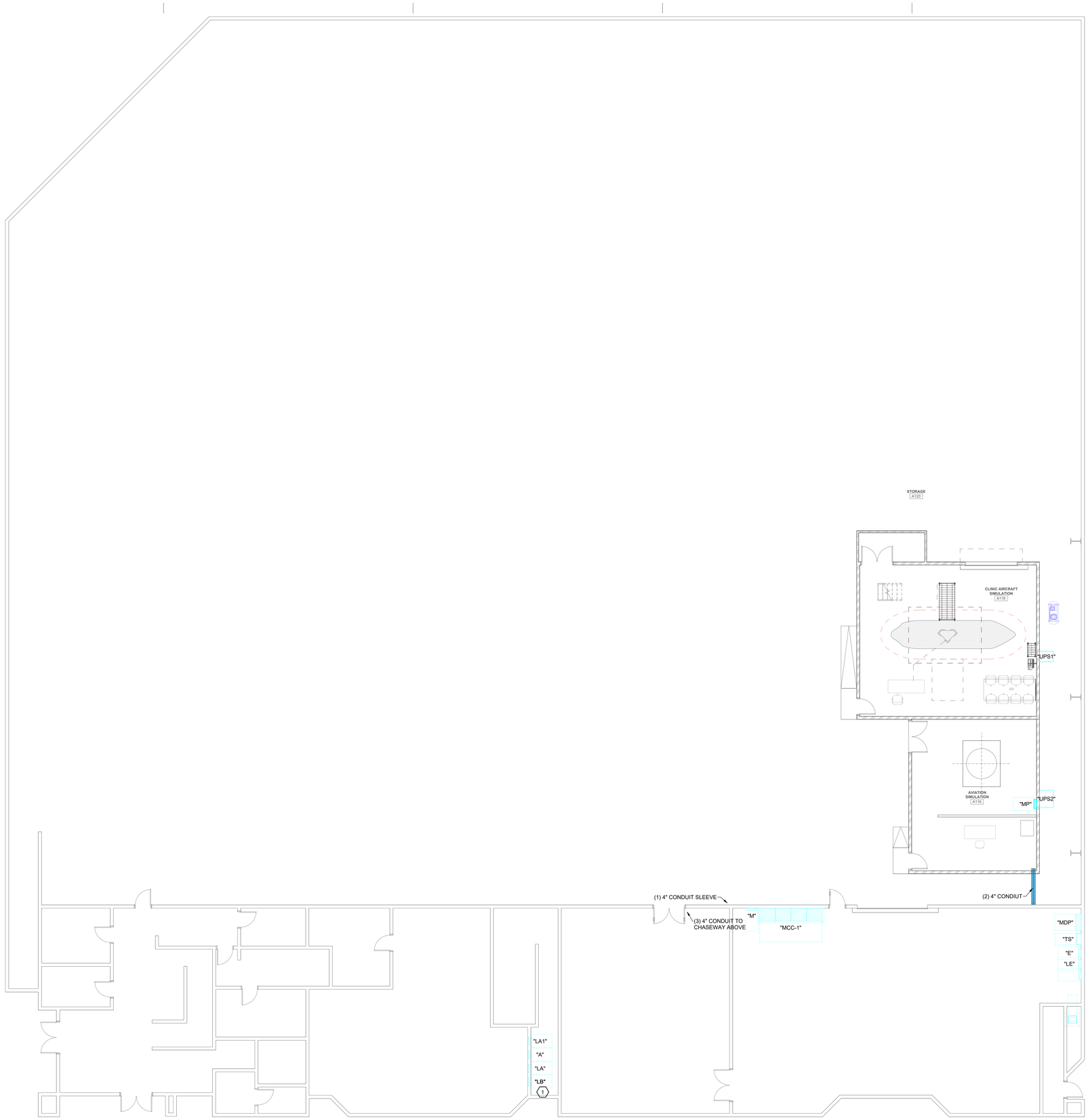
TYPICAL LABELING DETAILS

EE702



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

GENERAL SHEET NOTES

1 PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.

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

3 UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE ALL DISCONNECTS AND MAKE FINAL EQUIPMENT CONNECTIONS. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT VENDORS AND ALL EQUIPMENT INSTALLATION REQUIRMENTS.

SHEET KEYNOTES

1 PROVIDE NEW 20A/2P CIRCUIT BREAKER IN EXISTING SIEMENS PANEL.

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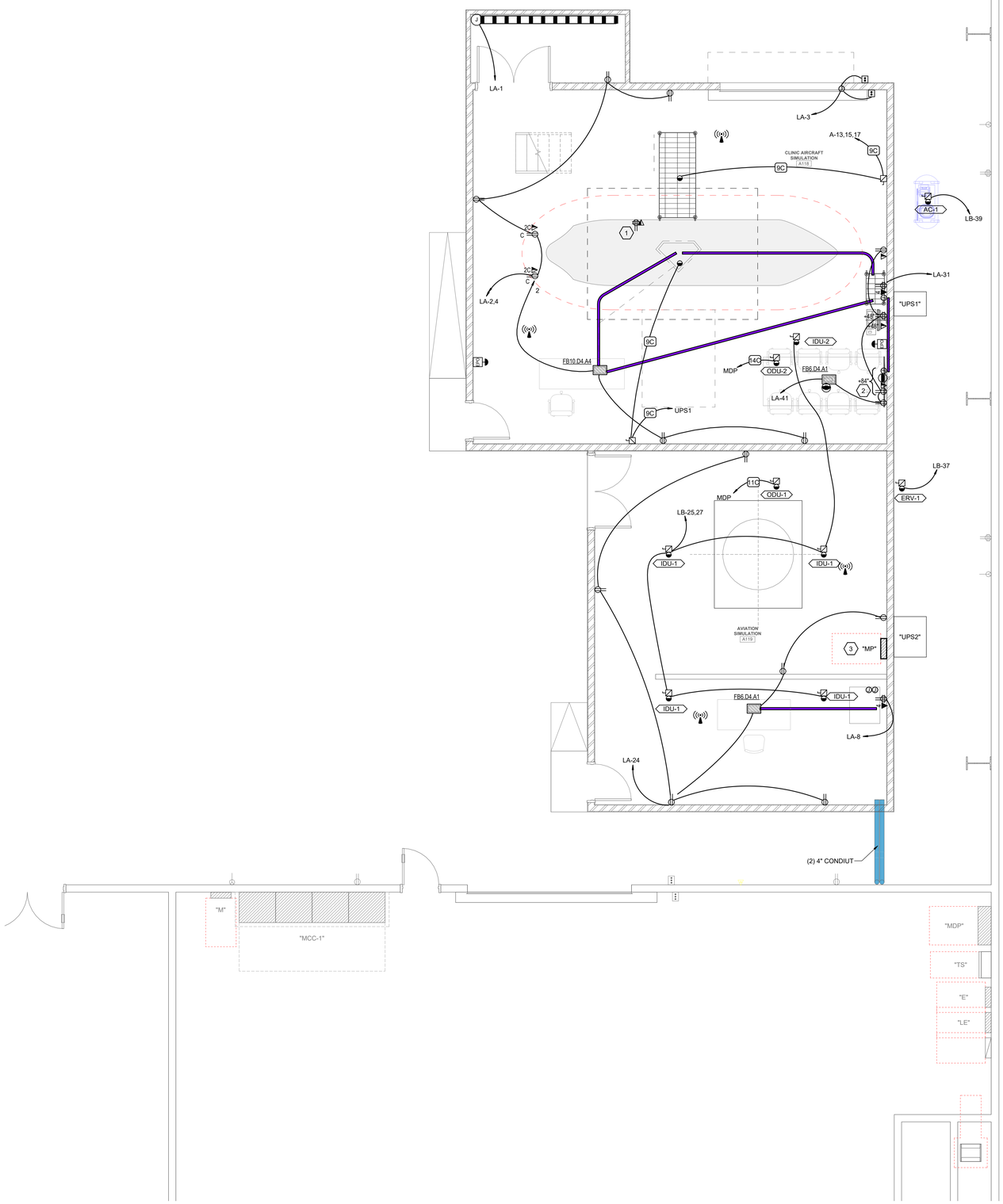
LEVEL 1
OVERALL
POWER PLAN

EP100



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

GENERAL SHEET NOTES

1 PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.

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

3 UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE ALL DISCONNECTS AND MAKE FINAL EQUIPMENT CONNECTIONS. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT VENDORS AND ALL EQUIPMENT INSTALLATION REQUIRMENTS.

SHEET KEYNOTES

1 PROVIDE RECEPTACLES AND DATA NEAR BASE OF FUSELAGE. RUNNING POWER/DATA INTO THE FUSELAGE WILL NEED TO BE COORDINATED WITH OWNER.

2 PROVIDE FSR PWB-100 RECESSED TV BACKBOX FOR POWER/DATA RECEPTACLES BEHIND TV.

3 PANEL MP WILL BE FURNISHED BY EQUIPMENT VENDOR CONTRACTOR TO CONNECT POWER TO PANEL. LOAD SIDE CONNECTIONS TO THE SIMULATION EQUIPMENT WILL BE INSTALLED BY THE VENDOR.

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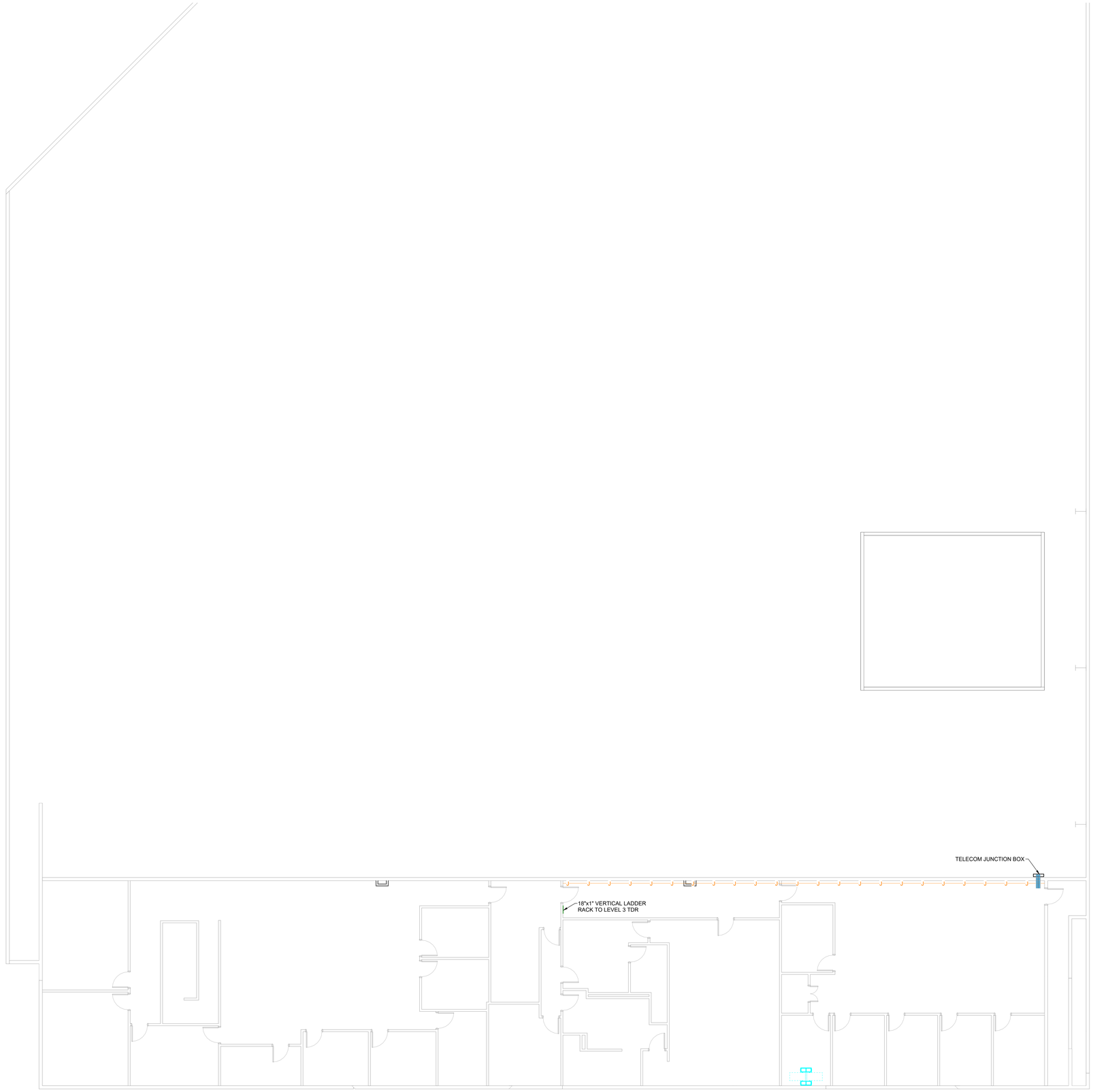
LEVEL 1
POWER PLAN

EP101



1 LEVEL 2 POWER PLAN
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

1 PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.

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

3 UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE ALL DISCONNECTS AND MAKE FINAL EQUIPMENT CONNECTIONS. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT VENDORS AND ALL EQUIPMENT INSTALLATION REQUIRMENTS.

SHEET KEYNOTES

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LEVEL 2
POWER PLAN

EP102

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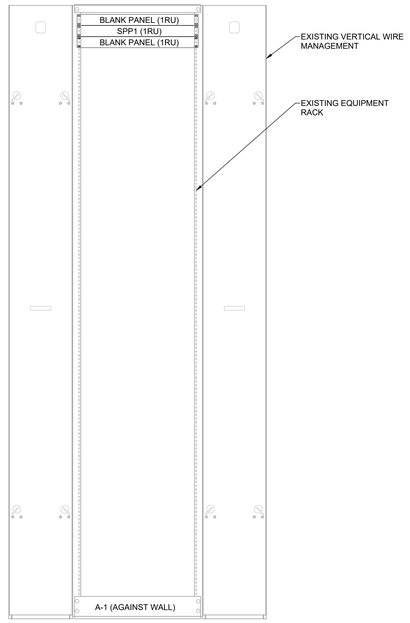
TELECOM EQUIPMENT RACK ELEVATIONS

EP550

DATA DEVICE DROP SCHEDULE - LEVEL 2 TDR				
DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	NUM. OF DROPS
Level 1				
CEILING DATA (2-DROP)		EXISTING TDR	2	4
CEILING WIRELESS ACCESS POINT (2-DROP)		EXISTING TDR	4	8
FLOOR DATA (4-DROP)		EXISTING TDR	3	12
WALL DATA (2-DROP)		EXISTING TDR	4	8
WALL DATA (4-DROP)		EXISTING TDR	2	8
Grand total			15	40



1 TYPICAL EQUIPMENT RACK ELEVATION DETAIL, EXISTING TDR

SCALE: NTS

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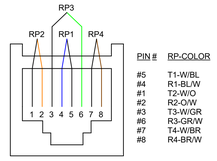
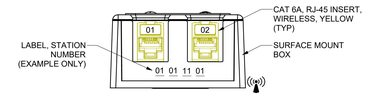
PINNING (T568B)



PIN #	RP-COLOR
#5	T1-W/BL
#4	R1-BL/W
#1	T2-W/O
#2	R2-O/W
#3	T3-W/GR
#6	R3-GR/W
#7	T4-W/BR
#8	R4-BR/W

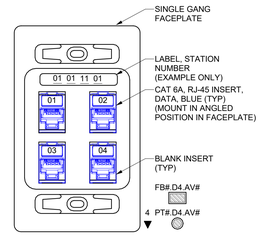
4 TYPICAL VOICE/DATA OUTLET PINNING DETAIL

SCALE: NTS



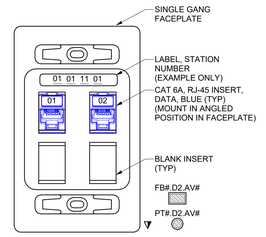
3 TYPICAL 2-PORT WIRELESS ACCESS POINT

SCALE: NTS



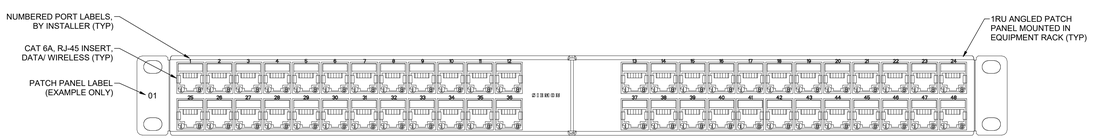
2 TYPICAL 4-PORT WALL DATA OUTLET

SCALE: NTS



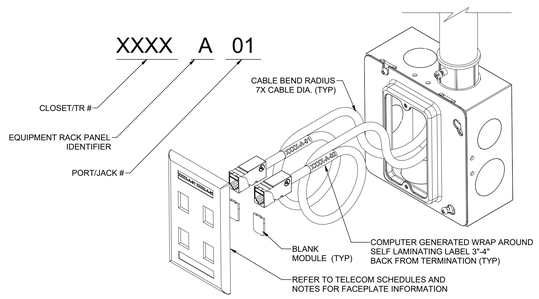
1 TYPICAL 2-PORT WALL DATA OUTLET

SCALE: NTS



6 STATION PATCH PANEL DETAIL (SPP1)

SCALE: NTS



5 TYPICAL CABLE IDENTIFICATION WRAP AROUND DETAIL

SCALE: NTS

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TELECOM DETAILS

EP551

BRANCH CIRCUIT CONDUCTOR AND CONDUIT SIZING TABLE

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

NOTES:

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

EQUIPMENT NAMEPLATE SCHEDULE

EQUIPMENT ID SCHEME	FIRST DIGIT - BUILDING LEVEL (0, 1, 2, ETC) SECOND DIGIT - PANEL TYPE M - MECHANICAL H - (277/480) L - (120/208) E - EMERGENCY S - STANDBY Q - EQUIPMENT U - UPS K - KITCHEN (120/208) THIRD DIGIT - BUILDING AREA (A, B, C, ETC) FOURTH DIGIT - SEQUENCE # (1,2,3,...)
LABEL FORMAT	[NAME] [SYSTEM] [VOLTAGE] [FED FROM] [SOURCE(S)]
LABEL EXAMPLE	PANEL "4LA1" STANDBY POWER 120/208V FED FROM BUS-A / XFMR 4TA
BUSWAY	LABEL BUSWAY EVERY 6' WHERE EXPOSED TO VIEW AND EVERY 15' WHERE NOT EXPOSED TO VIEW
OTHER	

COLOR SCHEME

		NAMEPLATE COLOR	
SYSTEM	EQUIPMENT	TEXT	BACKGROUND
NORMAL POWER	ALL GEAR NOT INCLUDED BELOW	WHITE	BLACK
STANDBY POWER	MDPS1 AND ALL DOWNSTREAM GEAR, EXCEPT UPS GEAR AS NOTED	WHITE	ORANGE
EMERGENCY POWER	GDP1, GDP2, ATS-E AND ALL DOWNSTREAM GEAR	WHITE	RED
LEGALLY-REQUIRED STANDBY POWER	ATS-S AND ALL DOWNSTREAM GEAR	RED	WHITE
UPS "A" POWER	UPSA AND ALL DOWNSTREAM GEAR	WHITE	BLUE
UPS "B" POWER	UPSB AND ALL DOWNSTREAM GEAR	BLACK	YELLOW

GENERAL SHEET NOTES

1. PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
2. REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
3. ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
4. PROVIDE PERFORMANCE TESTING FOR GROUND-FAULT PROTECTION SYSTEMS ON SITE WITH A WRITTEN RECORD OF THIS TEST SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PER NEC 230.95(C).

SHEET KEYNOTES

1. PROVIDE NEW BREAKER IN EXISTING SIEMENS PANEL.

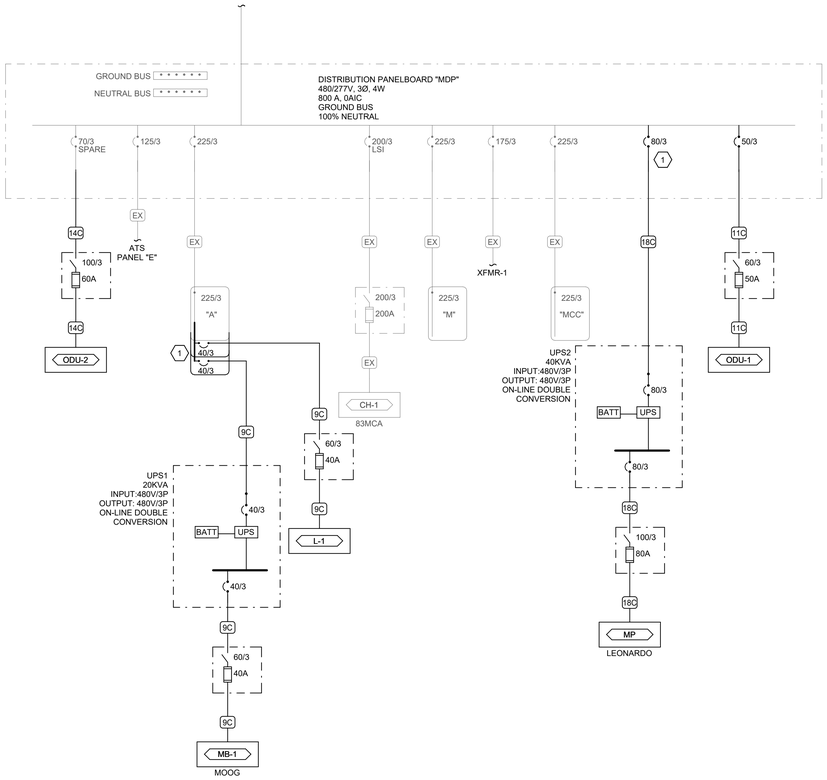
COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER
SUBSCRIPT (NOTE 5)
(E.G. 5C IG)

CONDUCTOR AND CONDUIT SCHEDULE NOTES

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

SYM	AMP	HH AMPS	CONDUIT SIZE	CONDCUTOR (NOTE 1) QTY	SIZE	G	IG/HH	SE	NOTES
1C	20	-	0.75	2	12	12	12	8	2
2C	20	-	0.75	3	12	12	12	8	2
3C	20	24	0.75	4	12	12	12	8	2
4C	30	-	0.75	2	10	10	10	8	2
5C	30	-	0.75	3	10	10	10	8	2
6C	30	32	0.75	4	10	10	10	8	2
7C	40	-	1	2	8	10	8	6	2
8C	40	-	1	3	8	10	8	6	2
9C	40	44	1	4	8	10	8	6	2
10C	55	-	1	2	6	10	8	4	2
11C	55	-	1	3	6	10	8	4	2
12C	55	60	1.25	4	6	10	8	4	2
13C	70	-	1	2	4	8	4	2	2
14C	70	-	1.25	3	4	8	4	2	2
15C	70	76	1.25	4	4	8	4	2	2
16C	85	-	1.25	2	3	8	3	2	2
17C	85	-	1.25	3	3	8	3	2	2
18C	85	92	1.25	4	3	8	3	2	2
19C	95	-	1.25	3	2	8	2	2	2
20C	95	104	1.5	4	2	8	2	2	2
21C	130	-	1.5	3	1	6	2	2	2
22C	130	116	1.5	4	1	6	2	2	2
23C	150	-	2	3	1/0	6	2	1/0	2
24C	150	136	2	4	1/0	6	2	1/0	2
28C	200	180	2.5	4	3/0	6	2	2/0	2
29C	230	-	2.5	3	4/0	4	2	2/0	2
30C	230	208	2.5	4	4/0	4	2	2/0	2
34C	310	280	3	4	350	3	1/0	3/0	2
35C	380	-	3.5	3	500	3	3/0	3/0	2
37C	400	-	2 EA 2	3	3/0	3	3/0	3/0	2
38C	400	360	2 EA 2.5	4	3/0	3	3/0	3/0	2
42C	620	560	2 EA 3	4	350	1/0	4/0	3/0	2
52C	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4
53C	1675	1520	5 EA 4	4	400	4/0	4/0	4/0	4



A1 ONE-LINE DIAGRAM - NORMAL
SCALE: NTS

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ONE-LINE DIAGRAM

EP601

FLOORBOX SCHEDULE

USE

CFG CONCRETE FLOOR, ON GRADE

CONNECTIONS

C1 RECESSED CABLE CONNECTIONS BELOW FLOOR WITH HINGED LID FOR ACCESS THAT CAN BE CLOSED WHILE IN USE.

COVER

CV1 FLANGED WITH CARPET INSERT FOR CARPET AREAS, FLANGELESS FLUSH GRAY BRUSHED ALUMINUM LID

FINISH

AL ALUMINUM

NO...

1

2

			DEVICE / GANGS										
ID	DESCRIPTION	SIZE (NOMINAL)	DUPLEX	FURNITURE	DATA CABLES	DATA GANGS	A/V GANGS	SPARE	USE	CONNECTION	COVER	FINISH	MANUFACTURER (CATALOG SERIES)	NOTES
FB6.D4.A1	6 GANG POWER/DATA & A/V FLOORBOX	LENGTH:12" WIDTH: 10" DEPTH: 6"	4		4	1	1	0	CFG	C1	CV1	AL	WIREMOLD (RFBA6R300G) HUBBELL (CFB45GS5CRE) FSR (FL-500)	
FB10.D4.A4	10 GANG POWER/DATA FLOORBOX	LENGTH:12" WIDTH: 10" DEPTH: 6"	4		4	1	4	1	CFG	C1	CV1	AL	WIREMOLD (RFBA10R55OG) HUBBELL (CFB10GS5CRE) FSR (FL-600)	

EQUIPMENT SCHEDULE

EQUIPMENT SCHEDULE KEY

E - DIVISION 26
Q - FURNISHED WITH EQUIPMENT, INSTALLED BY DIV.26

NOTES:

1. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL.
2. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP.
3. INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.

GENERAL NOTES:

1. LOCATE ELECTRICAL EQUIPMENT IN ACCESSIBLE LOCATION, SUCH THAT IT IS WITHIN SIGHT OF THE EQUIPMENT IT IS SERVING, AND COMPLIES WITH N.E.C. REQUIRED CLEARANCES.
2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED.
3. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.
4. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.

			LOAD DATA							OCPD		DISCONNECT		MOTOR CONTROLLER			NEMA ENCLOSURE RATING	
LABEL	QTY	DESCRIPTION	HP	kW	MCA	FLA	V	PH	WIRE AND CONDUIT SIZE	DEVICE	FED FROM	PROVIDED BY	DEVICE	PROVIDED BY	DEVICE	SIZES		NOTES
AC-1	1	AIR COMPRESSOR	2	-	-	15	120	1	2 #12, #12 GR 0.75" CND	20/1 CB		E	30A/1P FRS-20	E	-	-	-	
ERV-1	1	ENERGY RECOVERY VENTILATOR	-	-	15	12	120	1	2 #12, #12 GR 0.75" CND	20/1 CB		E	30A/1P FRS-15	E	-	-	-	
IDU-1	4	INDOOR UNIT	-	-	-	2	208	1	2 #12, #12 GR 0.75" CND	20/2 CB		E	30A/2P FRS-10	E	-	-	-	
IDU-2	1	INDOOR UNIT	-	-	-	2	208	1	2 #12, #12 GR 0.75" CND	20/2 CB		E	30A/2P FRS-10	E	-	-	-	
ODU-1	1	OUTDOOR UNIT	-	-	30	24	480	3	3 #6, #10 GR 1" CND	50/3 CB		E	60A/3P FRS-50	Q	-	-	-	
ODU-2	1	OUTDOOR UNIT	-	-	38	31	480	3	3 #4, #8 GR 1.25" CND	70/3 CB		E	100A/3P FRS-60	Q	-	-	-	

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ELECTRICAL EQUIPMENT AND FLOORBOX SCHEDULES

EP602

SHEET KEYNOTES

1 CONTRACTOR TO PROVIDE SLEEVES THROUGH ALL WALLS FOR CABLE PATHWAYS. ALL FIRE-RATED WALLS REQUIRE A FIRE-RATED SLEEVE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL SMOKE/ NON-RATED WALLS REQUIRE A CONDUIT SLEEVE WITH BUSHINGS AND ARE REQUIRED TO BE SEALED WITH FIRE-RATED CAULK AND PUTTY. CONTRACTOR TO DETERMINE FINAL NUMBER OF SLEEVES FOR PENETRATIONS THROUGH WALLS.

2 CONTRACTOR TO STUB CONDUIT TO NEAREST ACCESSIBLE J-HOOK PATHWAY. MAXIMUM SPACING OF J-HOOKS TO BE 48" ON-CENTER.

GENERAL SHEET NOTES

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

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

3 A SINGLE BEND CANNOT BE GREATER THAN 90 DEGREES.

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

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

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

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

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

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

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

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

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

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

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

15 ALL VERTICAL SLEEVES MUST BE PROPERLY SEALED AFTER USE.

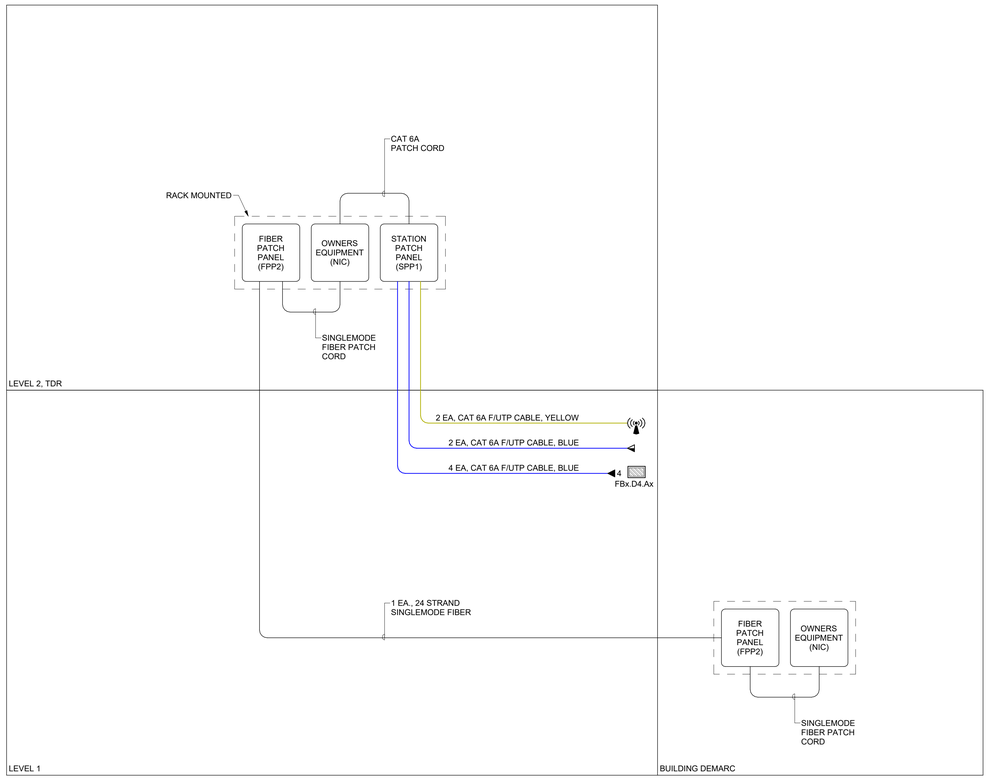
16 ALL CONDUIT SHOULD HAVE A PULL CORD INSTALLED WITH A MINIMUM TEST RATING OF 200 LBS.

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

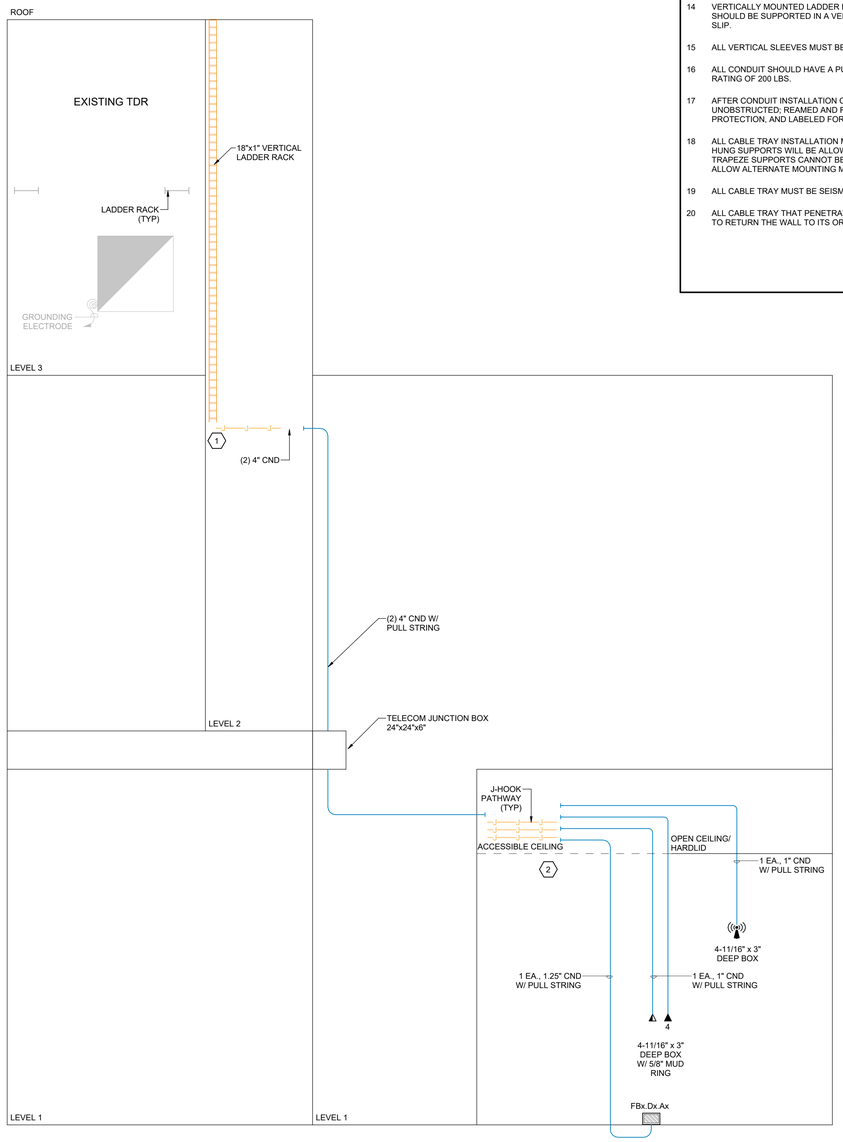
18 ALL CABLE TRAY INSTALLATION MUST UTILIZE TRAPEZE MOUNTING. NO CENTER HUNG SUPPORTS WILL BE ALLOWED. NO WALL MOUNTS WILL BE ALLOWED. IF TRAPEZE SUPPORTS CANNOT BE USED, A REQUEST MUST BE SUBMITTED TO ALLOW ALTERNATE MOUNTING METHODS.

19 ALL CABLE TRAY MUST BE SEISMICALLY BRACED.

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



2 TELECOM CABLE RISER DIAGRAM
SCALE: NTS



1 TELECOM CONDUIT RISER DIAGRAM
SCALE: NTS

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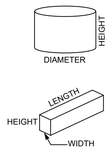
TELECOM
RISER
DIAGRAMS

EP650

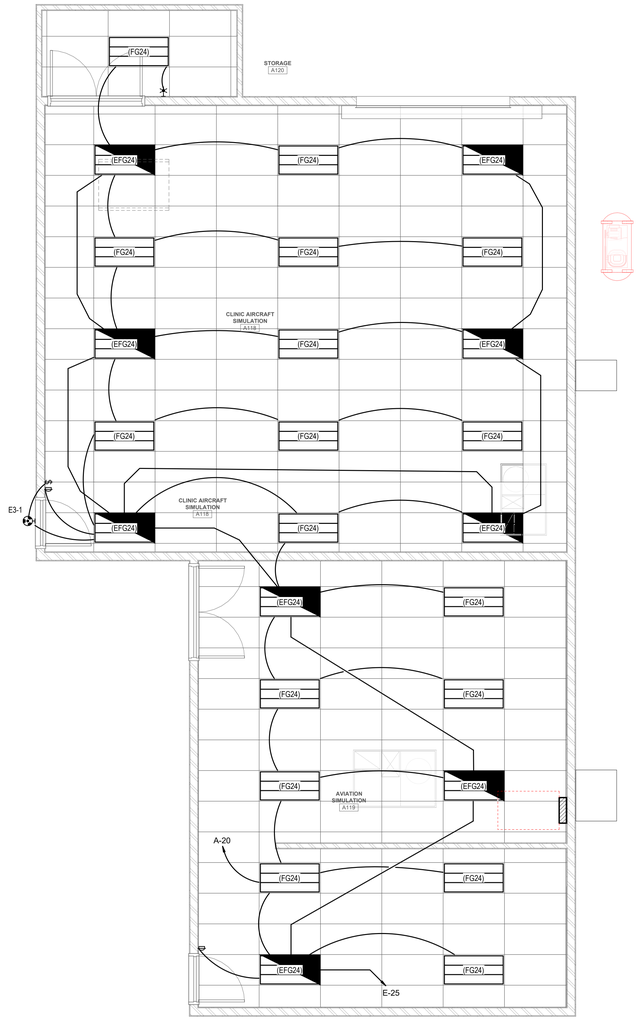
INTERIOR LIGHTING FIXTURE SCHEDULE



GENERAL NOTES

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

			LUMINAIRE				DRIVER			
ID	DESCRIPTION	SIZE (NOMINAL)	DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	MANUFACTURER (CATALOG SERIES)
(EFG24)	DESCRIPTION: 2' X 4' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: GENERATOR TRANSFER DEVICE	LENGTH: 4' - 0" WIDTH: 2' - 0" DEPTH: -	4,300		4000K	80	0-10V DIMMING (1%)	120/277	50	DAYBRITE (2FPZ43L8354DSUNV DIM/BODINE GTD10DIM) LITHONIA (CPANL/IOTA ETS-DR) METALUX (24CGTX 45 GTRD L835)
(FG24)	DESCRIPTION: 2' X 4' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 4' - 0" WIDTH: 2' - 0" DEPTH: -	4,300		4000K	80	0-10V DIMMING (1%)	120/277	50	DAYBRITE (2FPZ43L8354DSUNV DIM) LITHONIA (EPANL) METALUX (24CGTX 45 L835)
E3-1	DESCRIPTION: IN-USE LIGHT MOUNTING: UNIVERSAL FINISH: SCBA OPTICS: - OPTIONS: - EM: AC ONLY	LENGTH: WIDTH: DEPTH: DIAMETER:			RED		NO DIMMING	120/277	3	KENALL (METMSU MW R IN USE DT) LITHONIA (LQM P W 1 R 120-277 IN USE) CHLORIDE (AMS GW IN USE RFR) EMERGENSEE (SEEXEL-1-G-C-A-CUST OM-IN USE)



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

GENERAL SHEET NOTES

SHEET KEYNOTES

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LEVEL 1
LIGHTING
PLAN

EL101

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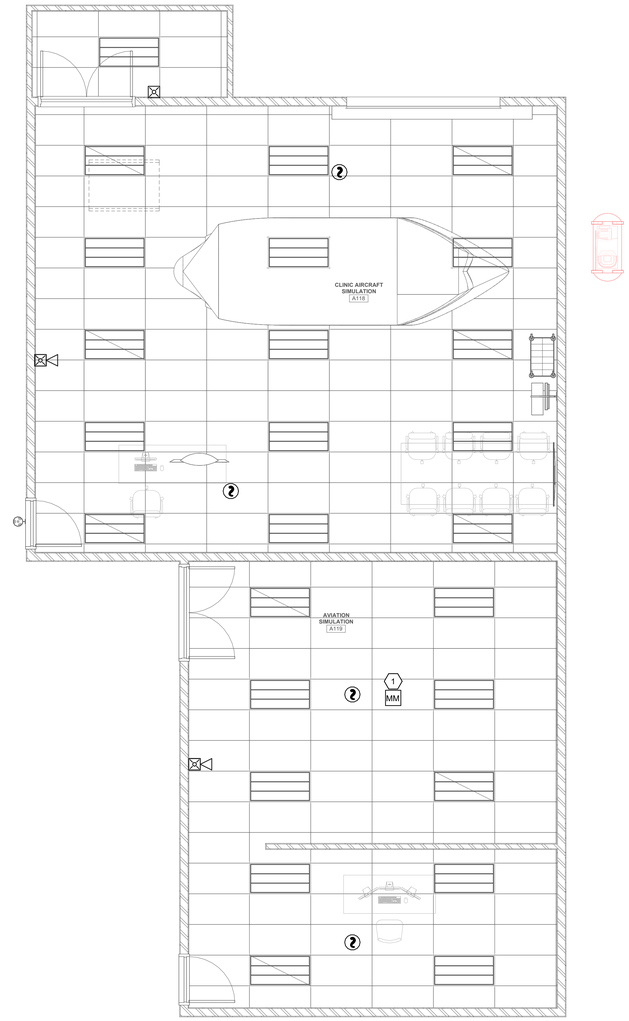

1 LEVEL 1 AUXILIARY PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

1 PROVIDE MONITOR MODULE FOR SIMULATION EQUIPMENT TO TRANSMIT FIRE WARNING SIGNALS TO THE BUILDING FIRE ALARM SYSTEM.

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LEVEL 1
AUXILIARY
PLAN

EY101