Intermountain Healthcare

Staff Entrance and Toilets Remodel at Central Laundry Facility

1180 West 2600 South
Woods Cross, UT 84054

Bid Set

3/2/2023 4:12:47 PM

DESIGN TEAM	
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ELECTRICAL ENGINEER **Spectrum Engineers** 324 State St Suite 400 Salt Lake City, UT 84111 Phone: 801.328.5151 Contacts: Project Manager: Jason Worthen Email: jason.worthen@speceng.com	

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STATE OF UTAH
SELVAM
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267857-0301
LICENSED ARCHITECT

Intermountain Healthcare
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NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Cover Sheet

G001

INTERIM LIFE SAFETY MEASURES

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

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

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

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

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

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

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

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

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

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

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

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

INFECTION CONTROL RISK ASSESSMENT

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

INFECTION CONTROL RISK GROUP
Highest:
- Pharmacy

CONSTRUCTION CLASS
Construction Activity Type:

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

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

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

PROJECT DESCRIPTION

PROJECT DESCRIPTION:

THIS PROJECT INCLUDES THE REMODEL OF AN EXISTING EMPLOYEE ENTRANCE WITH NEW MILLWORK AND FINISHES. IT ALSO INCLUDES THE DEMOLITION OF AN EXISTING COPY ROOM AND THE ADDITION OF A NEW TEAM ROOM IN THE RECEPTION AREA WITH NEW FINISHES THROUGHOUT. APPROXIMATELY 1,134 SF.

ALSO INCLUDED IN THE PROJECT IS THE REMODEL OF TWO EXISTING BATHROOMS WITH NEW PLUMBING FIXTURES AND FINISHES. APPROXIMATELY 752 SF.

PROJECT SCOPE:
ARCHITECTURAL, MECHANICAL, AND ELECTRICAL WORK AS DEFINED IN THE CONTRACT DOCUMENTS

APPROVALS

Approvers Name, Title — Date

Approvers Name, Title — Date

Approvers Name, Title — Date

Approvers Name, Title — Date

VICINITY MAP

DRAWING INDEX

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
MATL	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MLDG.	MOLDING
MULL.	MULLION
N	
N.G.	NATURAL GRADE
NOM.	NOMINAL
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O	
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.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 C/O DETECTOR LOCATIONS)
- AUTOMATIC FIRE SPRINKLER PLANS
- HOOD FIRE SUPPRESSION
- CLASS 'K' FIRE EXTINGUISHER LOCATION(S)

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

SPECIAL INSPECTIONS

SEE STRUCTURAL DRAWINGS FOR SPECIAL INSPECTIONS REQUIRED.

DEFINITIONS

1. GENERAL: BASIC CONTRACT DEFINITIONS ARE INCLUDED IN THE CONDITIONS OF THE CONTRACT.
2. "APPROVED": WHEN USED TO CONVEY ARCHITECTS ACTION ON CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, "APPROVED" IS LIMITED TO ARCHITECTS 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.

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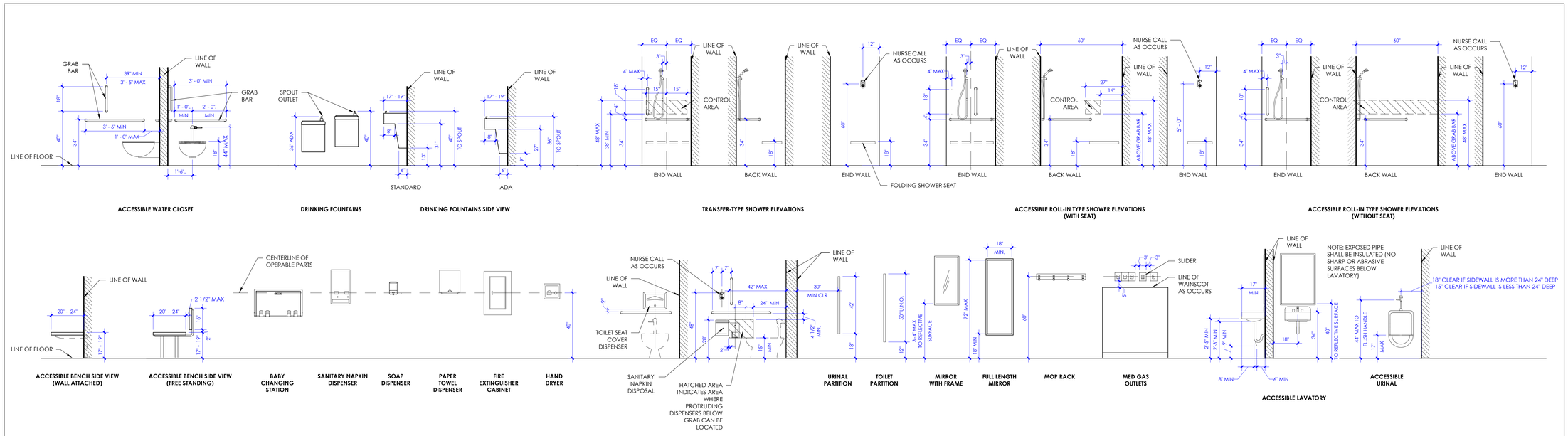
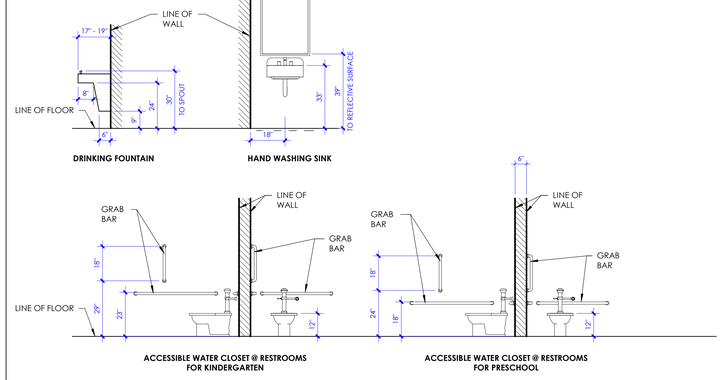


1 Typical Mounting Heights

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



NOTE:
VERIFY WITH ARCHITECT FOR FIXTURES THAT SHALL BE USED PREDOMINANTLY BY CHILDREN IN THIS BUILDING. IF FIXTURE MOUNTING HEIGHT IS NOT INDICATED ON THE INTERIOR ELEVATIONS, VERIFY WITH ARCHITECT.

2 Typical Mounting Heights of Fixtures Used by Children

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.

CABINET TAG

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

SIGN TAG

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

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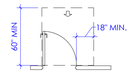
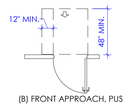
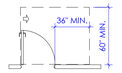
DOORS AND DOORWAYS



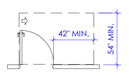
(A) FRONT APPROACH, PULL SIDE



(B) FRONT APPROACH, PUSH SIDE

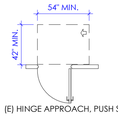


(C) HINGE APPROACH, PULL SIDE

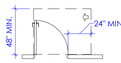


(D) HINGE APPROACH, PULL SIDE

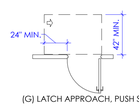
FIG. 404.2.4.1



(E) HINGE APPROACH, PUSH SIDE

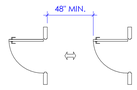


(F) LATCH APPROACH, PULL SIDE

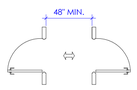


(G) LATCH APPROACH, PUSH SIDE

FIG. 404.2.6
TWO DOORS IN A SERIES



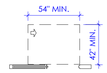
(A)



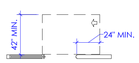
(B)

FIG. 404.2.4.2
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

(A) FRONT APPROACH



(B) POCKET OR HINGE APPROACH

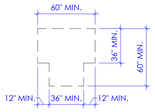


(C) STOP OR LATCH APPROACH

MANEUVERING CLEARANCE AT SWINGING DOORS

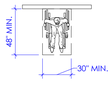
CLEAR FLOOR SPACE

(A) CIRCULAR

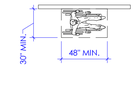


(B) T-SHAPED

FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE

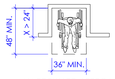


(A) FORWARD

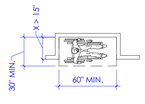


(B) PARALLEL

FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE



(A) FORWARD APPROACH



(B) PARALLEL APPROACH

FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

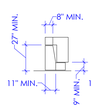


FIG. 306.3
KNEE CLEARANCE

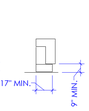


FIG. 306.2
TOE CLEARANCE

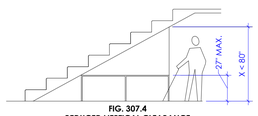


FIG. 307.4
REDUCED VERTICAL CLEARANCE

REACH RANGES

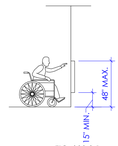


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

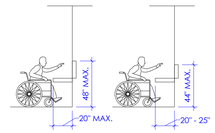


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

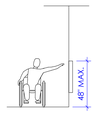


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

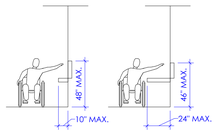


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

GENERAL SITE AND BUILDING ELEMENTS

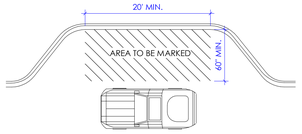


FIG. 503.3
PASSENGER LOADING ZONE ACCESS AISLE

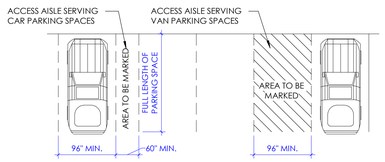


FIG. 502.2/502.3
VEHICLE PARKING SPACE/ PARKING SPACE ACCESS AISLE

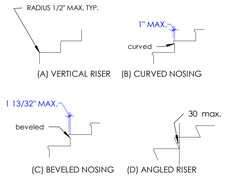


FIG. 504.5
STAIR NOSINGS

FIG. 505.4
HANDRAIL HEIGHT

FIG. 505.5
HANDRAIL CLEARANCE

FIG. 505.7
HANDRAIL CROSS SECTION

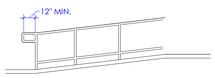


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

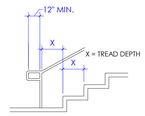


FIG. 505.10.2
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

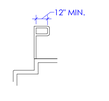


FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

FIG. 504.2
TREADS AND RISERS FOR ACCESSIBLE STAIRWAYS

COMMUNICATION ELEMENTS AND FEATURES

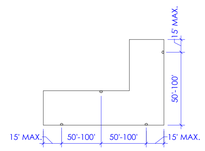


FIG. 702.3.5.1
APPLIANCE SPACING IN CORRIDORS

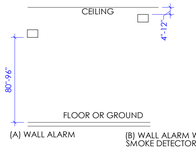


FIG. 702.3.3.1
LOCATION OF WALL-MOUNTED APPLIANCES

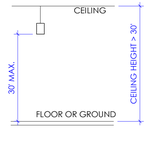


FIG. 702.3.3.2
LOCATION OF CEILING-MOUNTED APPLIANCES

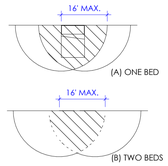


FIG. 702.3.6.2
APPLIANCE LOCATION IN SLEEPING ROOMS

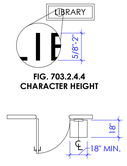


FIG. 703.2.4.4
CHARACTER HEIGHT

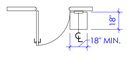


FIG. 703.2.8
MOUNTING LOCATION AT DOORS

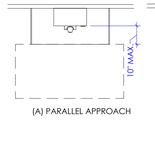


FIG. 704.2.1
CLEAR FLOOR OR GROUND SPACE FOR TELEPHONES

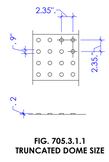


FIG. 705.3.1.1
TRUNCATED DOME SIZE

BUILDING BLOCKS

FIG. 302.3
OPENINGS IN FLOOR OR GROUND SURFACES

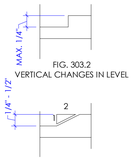


FIG. 303.3
BEVELED CHANGES IN LEVEL

PROTRUDING OBJECTS

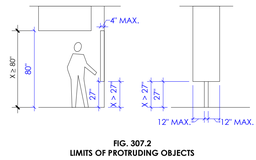


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

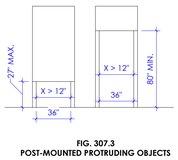


FIG. 307.3
POST-MOUNTED PROTRUDING OBJECTS

PLUMBING ELEMENTS AND FACILITIES

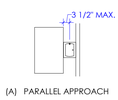


FIG. 602.5
DRINKING FOUNTAIN SPOUT LOCATION

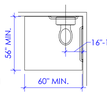


FIG. 604.2/604.3.1
WATER CLOSET LOCATION/ SIZE CLEARANCE

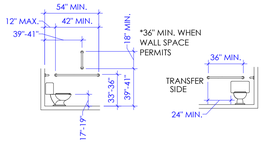


FIG. 604.4/604.5.1
HEIGHT OF WATER CLOSET/ SIDE WALL GRAB BAR FOR WATER CLOSET

FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

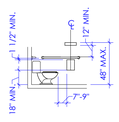


FIG. 604.7
DISPENSER LOCATION

FIG. 604.8.1.1
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

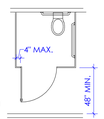
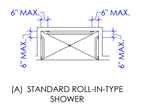
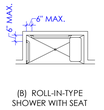


FIG. 604.8.3
TOILET COMPARTMENT DOORS





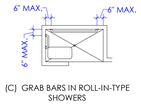


FIG. 608.3.2
GRAB BARS IN ROLL-IN-TYPE SHOWERS

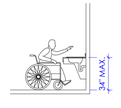


FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS

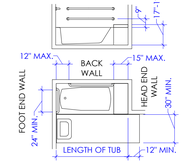


FIG. 607.4.1
GRAB BARS FOR BATHTUBS WITH PERMANENT SEATS (WITH FIG. 607.2 CLEARANCES)

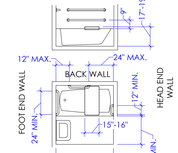


FIG. 607.4.2
GRAB BARS FOR BATHTUBS WITHOUT PERMANENT SEATS (WITH FIG. 607.2 CLEARANCES)

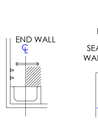


FIG. 607.5
LOCATION OF BATHTUB CONTROLS

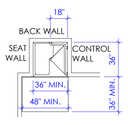


FIG. 608.2.1/608.3.1
TRANSFER-TYPE SHOWER COMPARTMENT WITH GRAB BARS

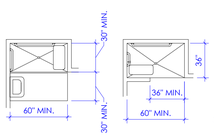
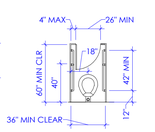
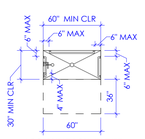


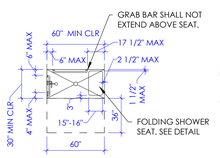
FIG. 608.2.2
STANDARD ROLL-IN-TYPE SHOWER COMPARTMENT



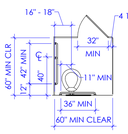
AMBULATORY TOILET COMPARTMENT



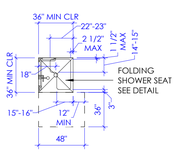
ACCESSIBLE ROLL-IN TYPE SHOWER PLAN (WITHOUT SEAT ADAAG)



ACCESSIBLE ROLL-IN TYPE SHOWER PLAN (WITH SEAT)



ACCESSIBLE TOILET COMPARTMENT



ACCESSIBLE SHOWER PLAN

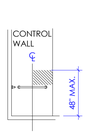


FIG. 608.5
CONTROLS IN TRANSFER-TYPE SHOWERS

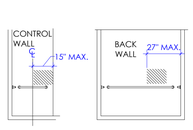


FIG. 608.6
LOCATION OF SHOWER SPRAY UNIT

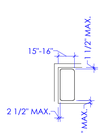


FIG. 610.3.1
RECTANGULAR SHOWER COMPARTMENT SEAT

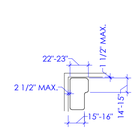


FIG. 610.3.2
L-SHAPED SHOWER COMPARTMENT SEAT

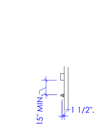
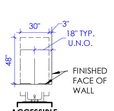
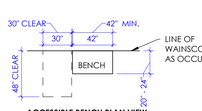


FIG. 609.3
SPACING OF GRAB BARS

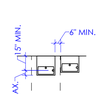
ACCESSIBLE URINAL PLAN



ACCESSIBLE LAVATORY PLAN



ACCESSIBLE BENCH PLAN VIEW



DRINKING FOUNTAINS PLAN VIEW

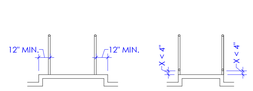
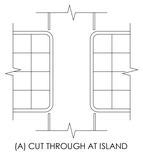


FIG. 405.9
RAMP EDGE PROTECTION



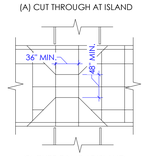


FIG. 406.12
ISLANDS

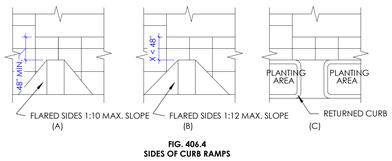


FIG. 406.4
SIDES OF CURB RAMPS

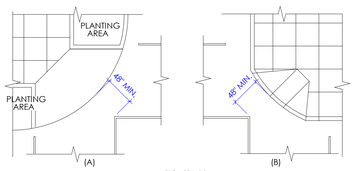


FIG. 406.11
DIAGONAL CURB RAMPS

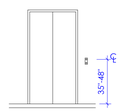


FIG. 407.2.2
ELEVATOR CALL BUTTONS

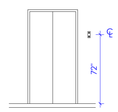


FIG. 407.2.3.2.1
HEIGHT OF ELEVATOR VISIBLE SIGNALS

ACCESSIBLE ROUTES

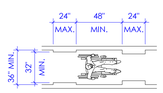


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

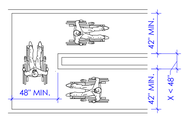


FIG. 403.5.1
CLEAR WIDTH AT TURN

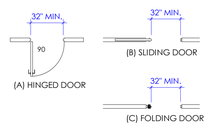


FIG. 404.2.3
CLEAR WIDTH OF DOORWAYS

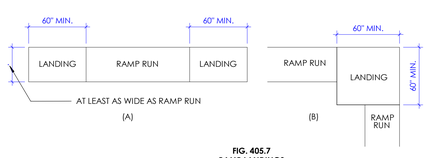


FIG. 405.7
RAMP LANDINGS

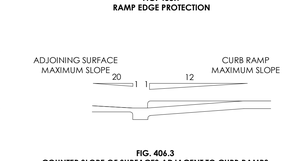


FIG. 406.3
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS

3/2/2023 4:13:03 PM

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

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

NJRA ARCHITECTS

NJRA Architects, Inc.
5272 S. College Drive, Suite104
Murray, Utah 84123
801.364.9259
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Staff Entrance and Toilets Remodel at
Central Laundry Facility

1180 West 2600 South
Woods Cross, UT 84054

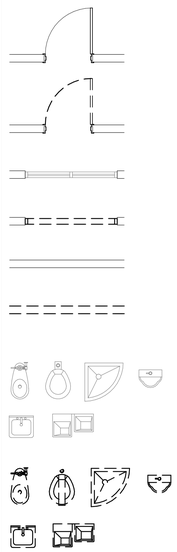
NJRA Project # 22237.00
Bid Set Mar. 8, 2022

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

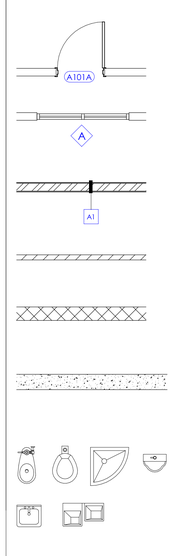
EXISTIING WALL TO BE DEMOLISHED.

EXISTING PLUMBING FIXTURES TO REMAIN

EXISTING PLUMBING FIXTURES TO BE DEMOLISHED

LEGEND - FLOOR & DIMENSION PLANS

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



NEW DOOR IN NEW WALL. SEE DOOR SCHEDULE.

NEW WINDOW. SEE WINDOW TYPES. TAGS ARE PLACED ON THE FRONT SIDE OF WINDOW.

NEW METAL STUD WALL. SEE WALL TAGS ON DIMENSION PLANS AND WALL TYPES SHEET A501A FOR MORE INFORMATION.

NEW BRICK MASONRY WALL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.

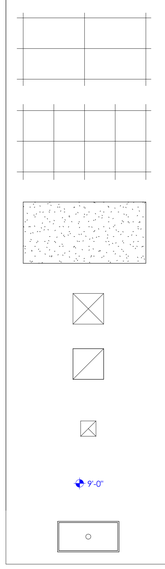
NEW CMU WALL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.

NEW CAST-IN-PLACE CONCRETE WALL. SEE WALL TAGS ON DIMENSION PLANS FOR MORE INFORMATION.

NEW PLUMBING FIXTURES

LEGEND - REFLECTED CEILING PLAN

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



2' X 4' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS **1 / A503A** , **4 / A503A** , **7 / A503A** , **10 / A503A**

2' X 2' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS **1 / A503A** , **4 / A503A** , **7 / A503A** , **10 / A503A**

SUSPENDED GYPSUM BOARD CEILING OR SOFFIT SEE DETAILS **2 / A503A** , **3 / A503A** , **5 / A503A** , **8 / A503A**

NEW SUPPLY AIR GRILLE - SEE MECHANICAL DRAWINGS

NEW RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS

NEW EXHAUST FAN - SEE MECHANICAL DRAWINGS

CEILING HEIGHT ABOVE FINISHED FLOOR

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GENERAL NOTES - DEMOLITION FLOOR PLAN

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

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

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

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

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

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

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

GENERAL NOTES - DEMOLITION SITE PLAN

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

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

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

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

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

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

GENERAL NOTES - 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". 1 / A503A

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 - 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 - REFLECTED CEILING PLAN

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

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

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

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

GENERAL NOTES - INTERIOR ELEVATIONS

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

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

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

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

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

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

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

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

I. COUNTERTOPS ARE TYPICALLY SUPPORTED BY WALLS AND BASE CABINETS. IN PLACES WHERE COUNTERTOP SPAN EXCEEDS 4' - 0", STEEL SUPPORTS SHALL BE PROVIDED AS INDICATED IN DETAILS **-/---** AND **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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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility

1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

General Legend & Notes

G005

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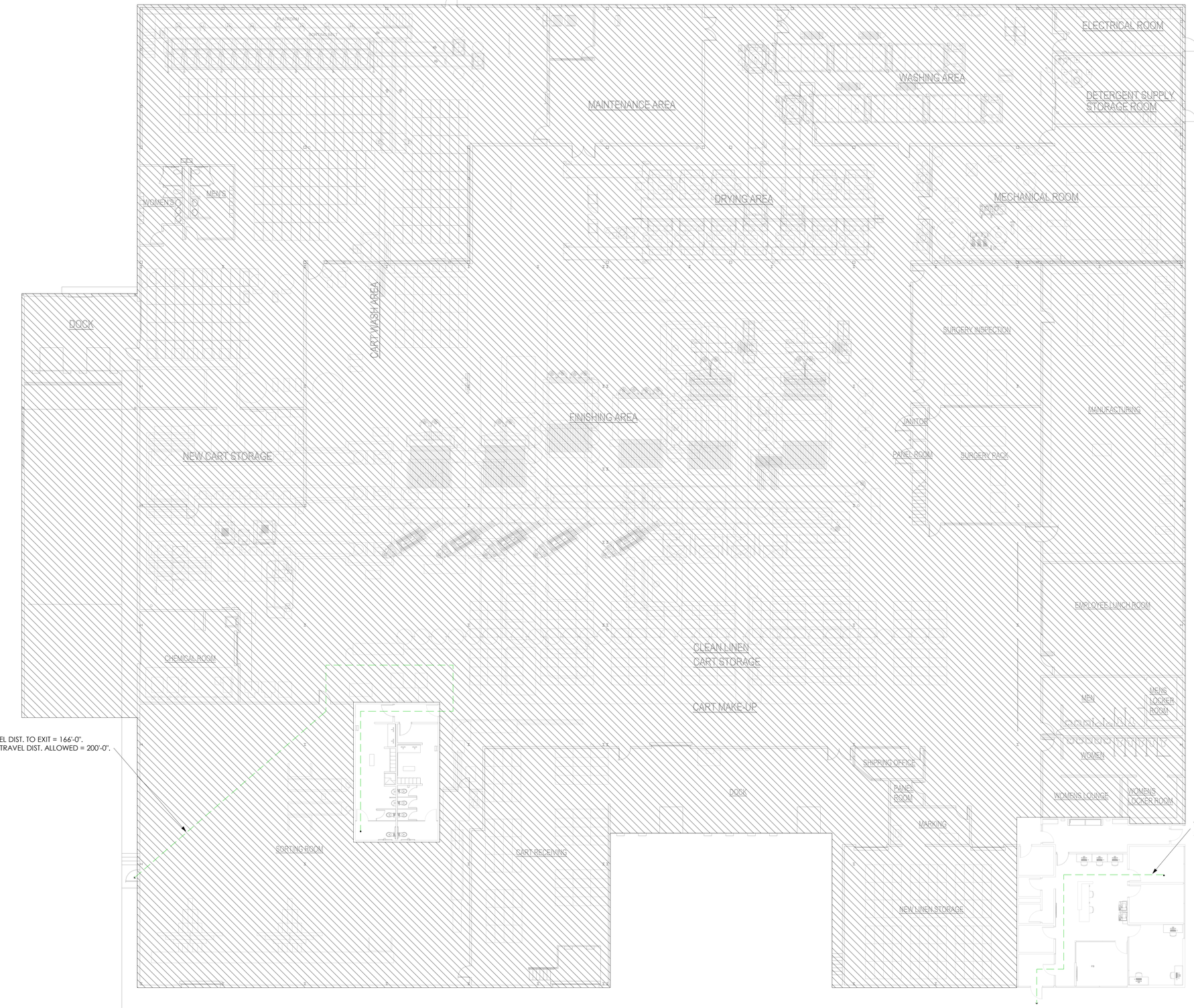

KEYED NOTES

GENERAL

A. SEE SHEET G007 FOR CODE COMPLIANCE GENERAL INFORMATION AND LEGEND.

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Intermountain Healthcare Staff Entrance and Toilets Remodel at Central Laundry Facility

1180 West 2600 South
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NJRA Project #	22237.00
Bid Set	Mar. 8, 2022

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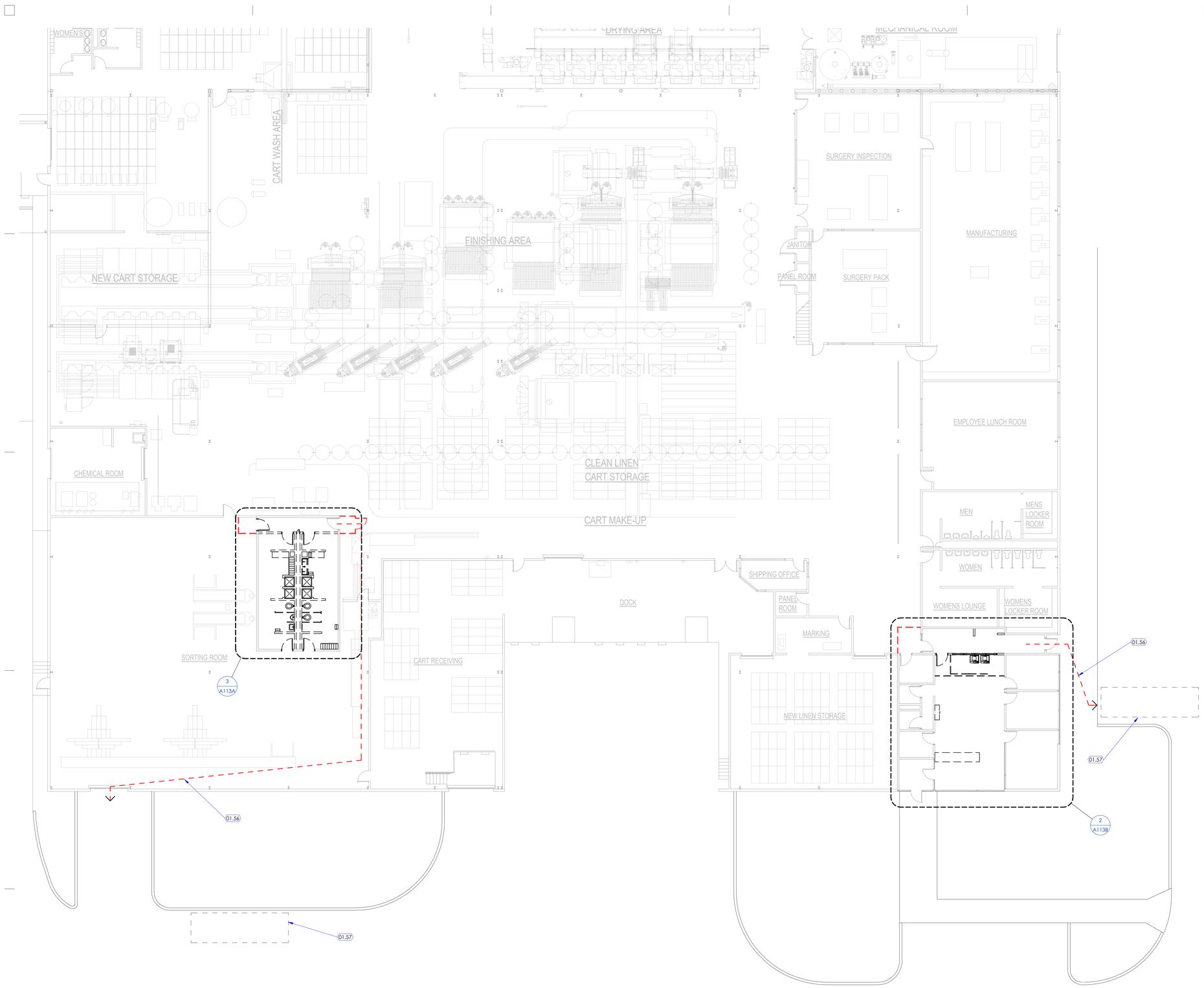
1 Code Compliance Floor Plan Level 1 - Overall
SCALE: 3/32" = 1'-0"

NORTH

VIEW & PRINT THIS SHEET IN COLOR FOR CLARITY

Code Compliance Plan Level 1 - Overall

G111



1 Floor Plan Level 1 - Overall

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

KEYED NOTES

01.56 LINE INDICATES PATH FOR DEMOLISHED MATERIALS AND WASTE. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGING EXISTING FINISHES ALONG THIS PATH. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE ALONG THIS PATH AS A RESULT OF CONSTRUCTION ACTIVITIES OR MATERIALS AND EQUIPMENT DELIVERY. SEE "ICRA" (INFECTION CONTROL RISK ASSESSMENT) REQUIREMENTS ON SHEET G002 AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

01.57 DASHED AREA INDICATES DUMPSTER LOCATION. CONFIRM AND COORDINATE LOCATION OF DUMPSTER WITH OWNER. SEE "ICRA" (INFECTION CONTROL RISK ASSESSMENT) REQUIREMENTS ON SHEET G002 AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

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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NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Site Plan - Overall

A110

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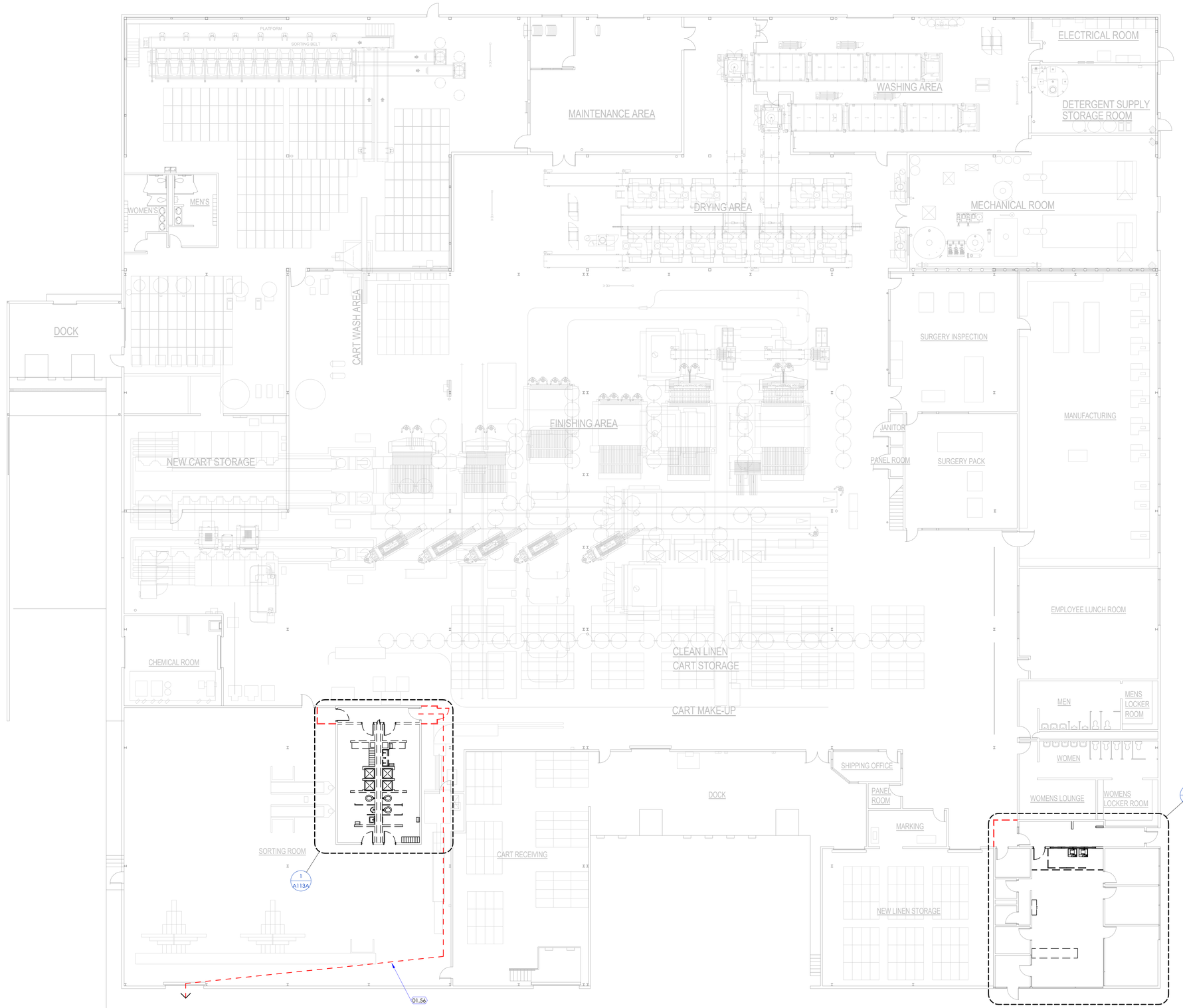

1 Demolition Floor Plan Level 1 - Overall

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

NORTH

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KEYED NOTES

01.56 LINE INDICATES PATH FOR DEMOLISHED MATERIALS AND WASTE. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGING EXISTING FINISHES ALONG THIS PATH. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE ALONG THIS PATH AS A RESULT OF CONSTRUCTION ACTIVITIES OR MATERIALS AND EQUIPMENT DELIVERY. SEE "ICRA" (INFECTION CONTROL RISK ASSESSMENT) REQUIREMENTS ON SHEET G002 AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES

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

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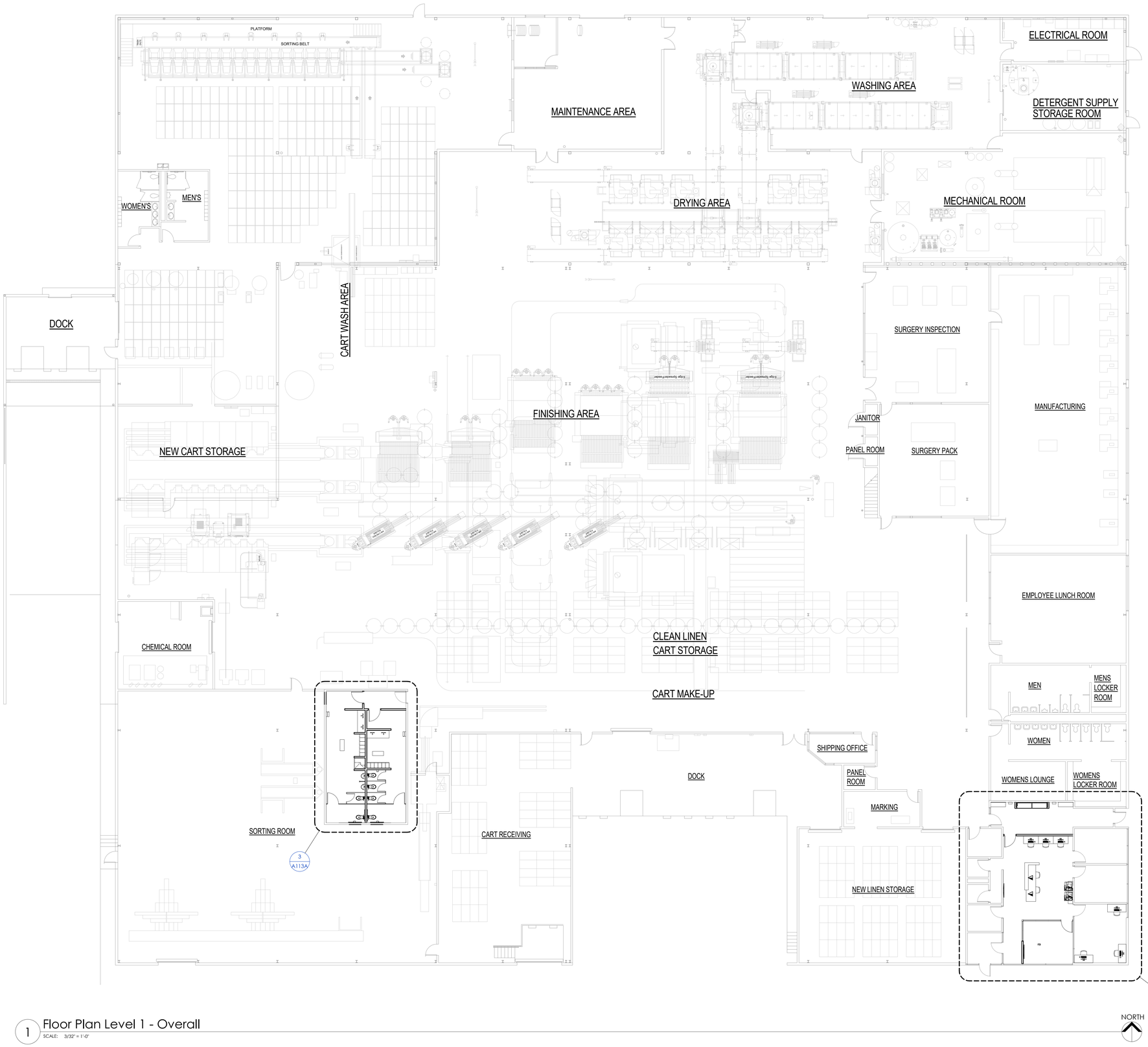
Demolition Floor Plan Level 1 - Overall

A111



1 Floor Plan Level 1 - Overall
SCALE: 3/32" = 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.

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Floor Plan Level 1 - Overall

A113

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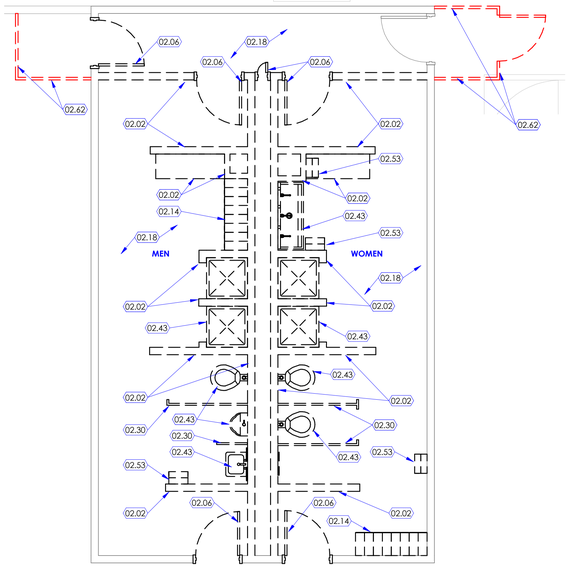

1 Demolition Floor Plan Level 1
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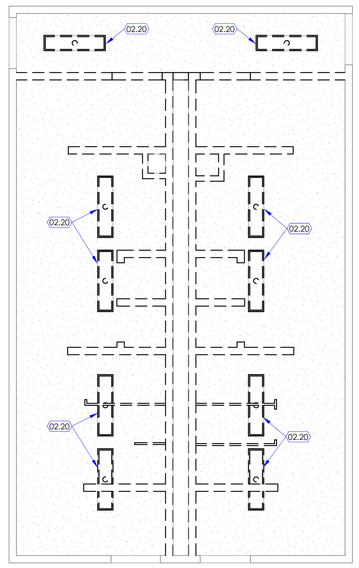

2 Reflected Ceiling Demolition Plan Level 1
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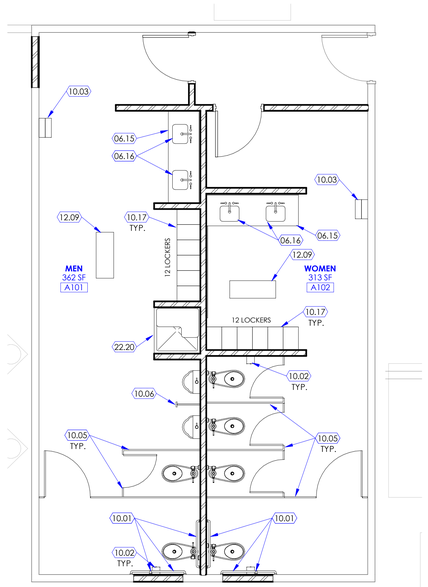
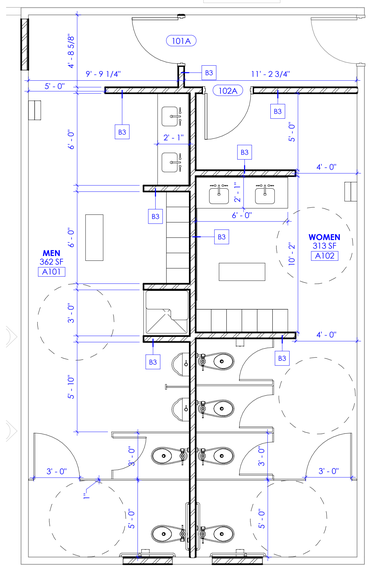
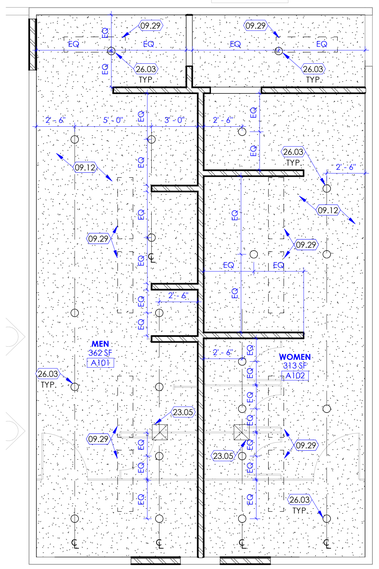


3 Floor Plan Level 1
SCALE: 1/4" = 1'-0"



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



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

KEYED NOTES

02.02 WALL, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
02.06 DOOR AND DOOR FRAME, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED. DOOR FRAME SHALL BE REMOVED UNLESS NOTED OTHERWISE.
02.14 LOCKERS, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
02.18 RESILIENT FLOOR COVERING OR TILE OR CARPET, EXISTING TO BE REMOVED. REMOVE MASTIC, THINSET OR ADHESIVE AND PREP FLOOR TO RECEIVE NEW FLOOR COVERING.
02.20 LIGHT FIXTURE, EXISTING INDICATED IN THIS AREA TO BE REMOVED.
02.30 TOILET PARTITION, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
02.43 PLUMBING FIXTURE, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED
02.53 PAPER TOWEL DISPENSER, EXISTING TO BE REMOVED, CAREFULLY REMOVE AND STORE DURING CONSTRUCTION TO BE REUSED.
02.62 DUST PARTITION (FROM FLOOR TO CEILING) WITH DOORS AS REQUIRED TO ACCESS CONSTRUCTION ZONE. LOCATE AND ALIGN PARTITION WITH CEILING GRID (AND/OR GYPSUM BOARD CEILING WHERE OCCURS) ABOVE AS MUCH AS POSSIBLE FOR A TIGHT SEAL. IF THERE IS A CONFLICT, WHERE PARTITION ABUTS CEILING, MOVE ITEMS MOUNTED ON CEILING SUCH AS EXIT SIGN, FIRE/SMOKE ALARM, LIGHT FIXTURE, DIFFUSER, RETURN AIR GRILLE, SENSOR, ETC., TEMPORARILY AWAY FROM THE LOCATION. PROVIDE ANTE ROOM AS INDICATED. MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE WITH REQUIRED PORTABLE VACUUM MACHINE (OR EXHAUST FANS), WITH HEPA FILTERS. TEMPORARY FLEXIBLE HOSE TYPE DUCTS CONNECTED TO RETURN AIR DUCT IN THE CONSTRUCTION ZONE. DUST PARTITION SHALL BE FIRE RATED, POLYCARBONATE, TRANSLUCENT, PLASTIC PANELS WITH METAL FRAMES ON ALL SIDES. INSTALL PARTITION PER MANUFACTURER'S RECOMMENDATIONS. PARTITION MANUFACTURER SHALL BE "EDGE-GUARD" OR EQUIVALENT. MOVE ACCESS DOOR TO THE CONSTRUCTION ZONE AS REQUIRED DURING THE CONSTRUCTION PHASE. SEE "ICRA" (INFECTION CONTROL RISK ASSESSMENT) REQUIREMENTS AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
06.15 SOLID SURFACE COUNTERTOP. SEE FINISH SCHEDULE.
06.16 SOLID SURFACE INTEGRAL SINK. SEE DETAIL 4/A505C. SEE FINISH SCHEDULE.
09.12 GYPSUM BOARD CEILING, PAINTED. SEE FINISH SCHEDULE.
09.29 WHERE EXISTING LIGHT HAS BEEN REMOVED, PATCH AND REPAIR GYPSUM BOARD CEILING AS REQUIRED.
10.01 GRAB BAR. PROVIDE GRAB BARS REQUIRED FOR WATER CLOSET, SHOWER, ETC. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
10.02 TOILET PAPER DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING IN WALL AS REQUIRED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
10.03 PAPER TOWEL DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED, TO BE INSTALLED AT EACH TOILET. AT FRAMED WALLS, CONTRACTOR SHALL PROVIDE BACKING IN WALL AS REQUIRED. AT TOILET PARTITIONS, MOUNT PER MFG. RECOMMENDATIONS. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
10.05 STAINLESS STEEL TOILET PARTITION. SECURELY ATTACH AT TOP, BOTTOM, AND CENTER OF PARTITION. PROVIDE BACKING AS REQUIRED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
10.06 STAINLESS STEEL URINAL SCREEN. ATTACH SCREEN SECURELY TO WALL AT TOP, BOTTOM, AND CENTER OF SCREEN. PROVIDE BACKING AS REQUIRED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
10.17 METAL LOCKERS, 12"W X 18"D X 74"H, PROVIDE SLOPED TOP AND BUILT-UP CONCRETE BASE. CONTRACTOR TO CONFIRM COLOR SELECTION WITH ARCHITECT FROM MANUFACTURER'S COLOR SELECTION CHART.
12.09 FURNITURE, NOT IN CONTRACT, OWNER FURNISHED OWNER INSTALLED.
22.20 SHOWER. SEE PLUMBING DRAWINGS.
23.05 EXHAUST FAN. SEE MECHANICAL DRAWINGS.
26.03 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

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Floor Plan
Level 1 - Toilet Area

A113A

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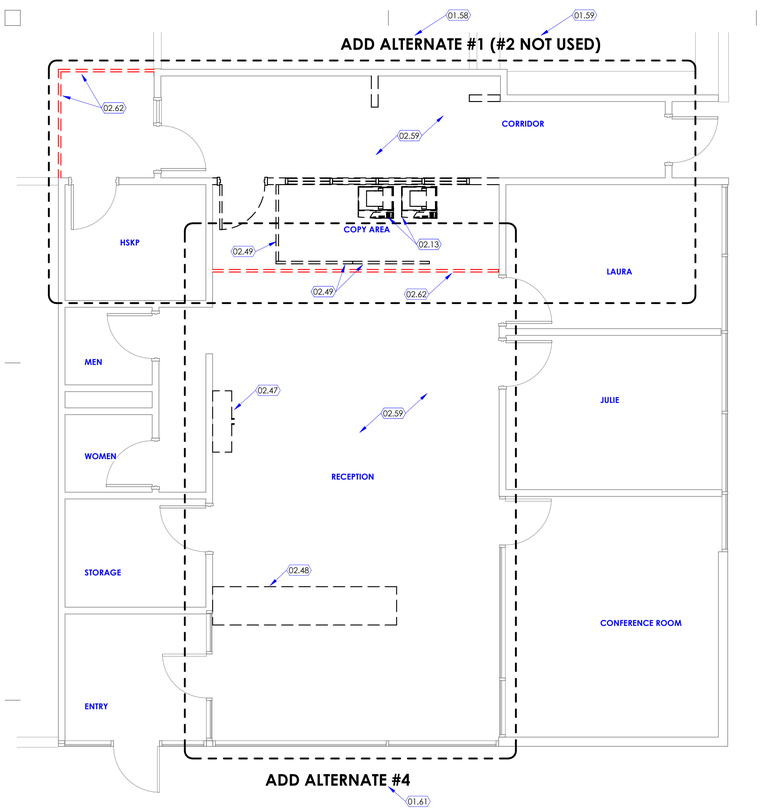

1 Demolition Floor Plan Level 1
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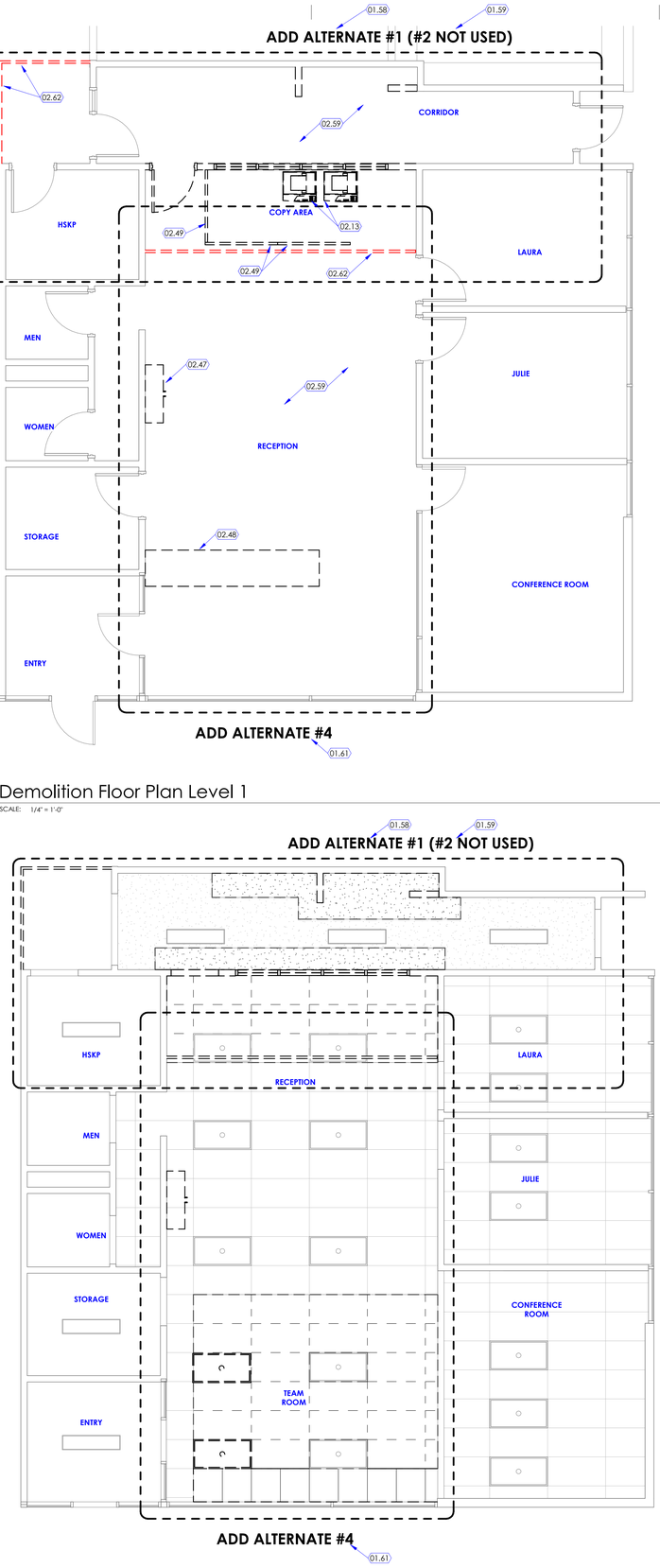

3 Reflected Ceiling Demolition Plan Level 1
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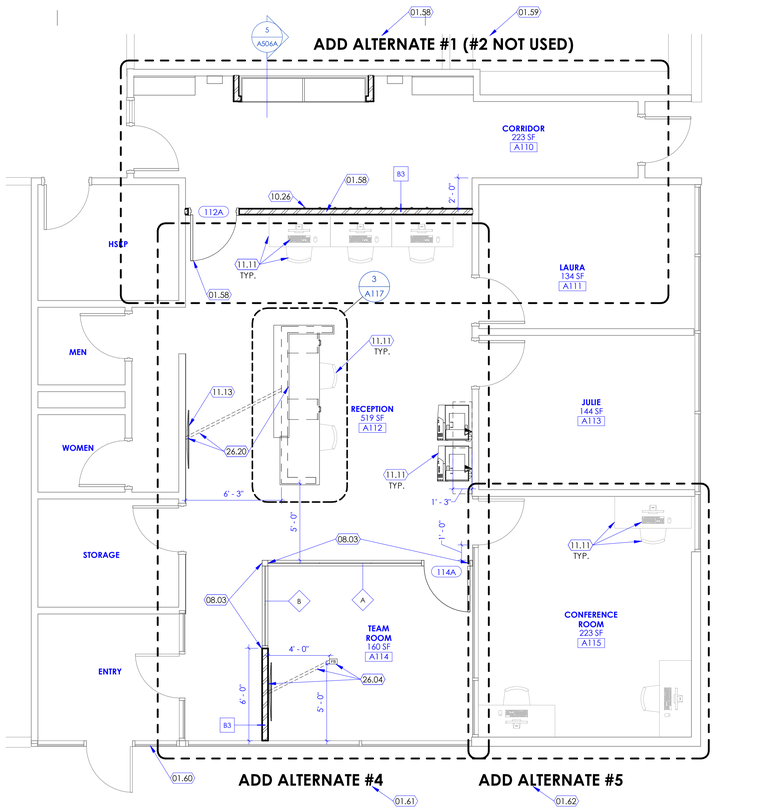
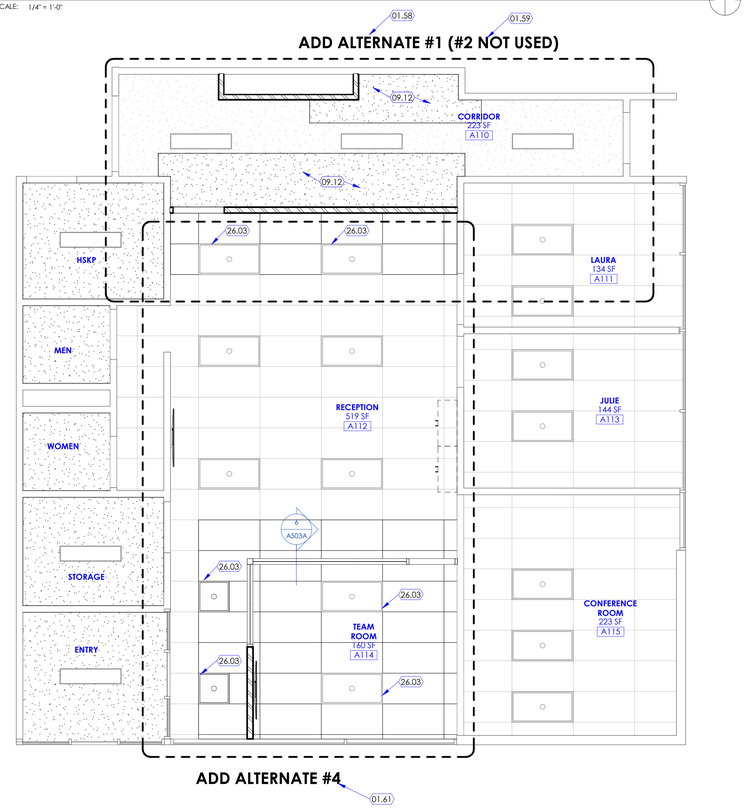


2 Floor Plan Level 1
SCALE: 1/4" = 1'-0"



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

KEYED NOTES

01.58 BASE BID FOR THIS PROJECT INCLUDES ARCHITECTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED IN THE CONSTRUCTION DOCUMENTS. AS PART OF ADD ALTERNATE #1, DEMO EXISTING COPY PARTITION WALLS AND FRAMED WALL. REMOVE EXISTING DOOR AND STORE FOR REUSE IN NEW CONSTRUCTION. DEMO GYPSUM BOARD CEILING AND LAY-IN CEILING AS REQUIRED TO MOVE WALL. PROVIDE NEW FRAMED WALL AS INDICATED. RELOCATE AND REINSTALL EXISTING DOOR FROM PREVIOUS DEMO PHASE. CONSTRUCT NEW OR PATCH FRAMED GYPSUM BOARD CEILING AND LAY-IN CEILING AS REQUIRED. ADD OR MOVE EXISTING POWER AND DATA IN WALL AS REQUIRED. SEE ELECTRICAL DRAWINGS.

01.59 BASE BID FOR THIS PROJECT INCLUDES ARCHITECTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED IN THE CONSTRUCTION DOCUMENTS. ADD ALTERNATE #2 NOT USED.

01.60 BASE BID FOR THIS PROJECT INCLUDES ARCHITECTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED IN THE CONSTRUCTION DOCUMENTS. AS PART OF ADD ALTERNATE #3, ADD NEW SECURITY CAMERAS AND DOOR CHIME AT RECEPTION AREA. PROVIDE AND PULL NEW CABLING FOR CAMERAS AND CHIME. SEE ELECTRICAL DRAWINGS.

01.61 BASE BID FOR THIS PROJECT INCLUDES ARCHITECTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED IN THE CONSTRUCTION DOCUMENTS. AS PART OF ADD ALTERNATE #4, DEMO RECEPTION AREA DESK AND MILLWORK AND FINISHES AS INDICATED. CONSTRUCT NEW RECEPTION DESK, ADD MILLWORK AS INDICATED, CONSTRUCT NEW TEAM ROOM (A114) WITH NEW GLASS STOREFRONT SYSTEM, FRAMED WALL AND HEADERS, NEW DOOR AND DOOR HARDWARE, ADD SCHEDULED FINISHES AND NEW MECHANICAL AND ELECTRICAL AS INDICATED. SEE ELECTRICAL DRAWINGS. SEE MECHANICAL DRAWINGS.

01.62 BASE BID FOR THIS PROJECT INCLUDES ARCHITECTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED IN THE CONSTRUCTION DOCUMENTS. AS PART OF ADD ALTERNATE #5, ADD OR MOVE POWER AND DATA IN THIS CONFERENCE ROOM (A115) AS INDICATED. SEE ELECTRICAL DRAWINGS.

02.13 EQUIPMENT, REMOVE AND RETURN TO OWNER.

02.47 CABINET, EXISTING TO BE REMOVED.

02.48 COUNTERTOP AND CABINET, EXISTING TO BE REMOVED.

02.49 COPY ROOM PARTITION, EXISTING TO BE REMOVED.

02.59 FLOORING, EXISTING IN THIS AREA TO BE REMOVED BY OWNER'S ASBESTOS ABATEMENT CONTRACTOR. FLOORING REMOVAL NOT IN CONTRACT. AFTER ASBESTOS ABATEMENT (BY OTHERS) PREP BARE FLOOR FOR NEW FLOORING. SEE FINISH SCHEDULE.

02.62 DUST PARTITION (FROM FLOOR TO CEILING) WITH DOORS AS REQUIRED TO ACCESS CONSTRUCTION ZONE. LOCATE AND ALIGN PARTITION WITH CEILING GRID (AND/OR GYPSUM BOARD CEILING WHERE OCCURS) ABOVE AS MUCH AS POSSIBLE FOR A TIGHT SEAL. IF THERE IS A CONFLICT, WHERE PARTITION ABUTS CEILING, MOVE ITEMS MOUNTED ON CEILING SUCH AS EXIT SIGN, FIRE/SMOKE ALARM, LIGHT FIXTURE, DIFFUSER, RETURN AIR GRILLE, SENSOR, ETC. TEMPORARILY AWAY FROM THE LOCATION. PROVIDE ANTE ROOM AS INDICATED. MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE WITH REQUIRED PORTABLE VACUUM MACHINE (OR EXHAUST FANS). WITH HEPA FILTERS. TEMPORARY FLEXIBLE HOSE TYPE DUCTS CONNECTED TO RETURN AIR DUCT IN THE CONSTRUCTION ZONE. DUST PARTITION SHALL BE FIRE RATED, POLYCARBONATE, TRANSLUCENT, PLASTIC PANELS WITH METAL FRAMES ON ALL SIDES. INSTALL PARTITION PER MANUFACTURER'S RECOMMENDATIONS. PARTITION MANUFACTURER SHALL BE "EDGE-GUARD" OR EQUIVALENT. MOVE ACCESS DOOR TO THE CONSTRUCTION ZONE AS REQUIRED DURING THE CONSTRUCTION PHASE. SEE "ICRA" (INFECTION CONTROL RISK ASSESSMENT) REQUIREMENTS AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

08.03 ALUMINUM-FRAMED STOREFRONT SYSTEM. WINDOW SYSTEM SHALL BE 2" X 4 1/2" FRAMES. GLAZING SHALL BE CENTERED. FRAMES SHALL HAVE BAKED FINISH. CONTRACTOR TO SELECT COLOR FROM MANUFACTURER'S COLOR CHART WHICH SHALL MATCH OTHER EXISTING STOREFRONT FRAMES IN ADJACENT AREAS AND BE CONFIRMED BY ARCHITECT. PROVIDE HEAVY DUTY FRAMES AROUND DOORS.

09.12 GYPSUM BOARD CEILING, PAINTED. SEE FINISH SCHEDULE.

10.26 COAT HOOK, PROVIDE BACKING. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.

11.11 EQUIPMENT, NOT IN CONTRACT, OWNER FURNISHED OWNER INSTALLED.

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.

26.03 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

26.04 POWER AND DATA OUTLETS IN FLOOR BOX. RECESS FLOOR BOX IN CONCRETE FLOOR SLAB ON GRADE. PROVIDE 1 1/2" CONDUIT CONNECTION BETWEEN FLOOR BOX AND ADJACENT T.V. TERMINATE CONDUIT AT T.V. WITH SINGLE GANG BOX AND BRUSH WALL PLATE. SEE ELECTRICAL DRAWINGS.

26.20 PROVIDE 1 1/2" CONDUIT CONNECTION BETWEEN RECEPTION DESK AND TELEVISION OPPOSITE OF DESK. TERMINATE CONDUIT AT EACH END WITH SINGLE GANG BOX AND BRUSH WALL PLATE. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

NJRA ARCHITECTS
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267857-0301
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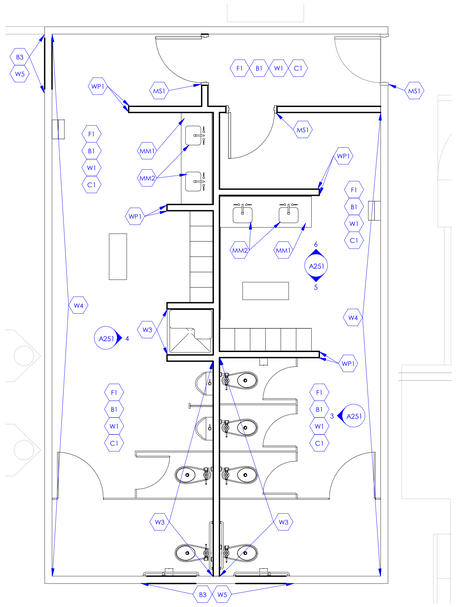
Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility
1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

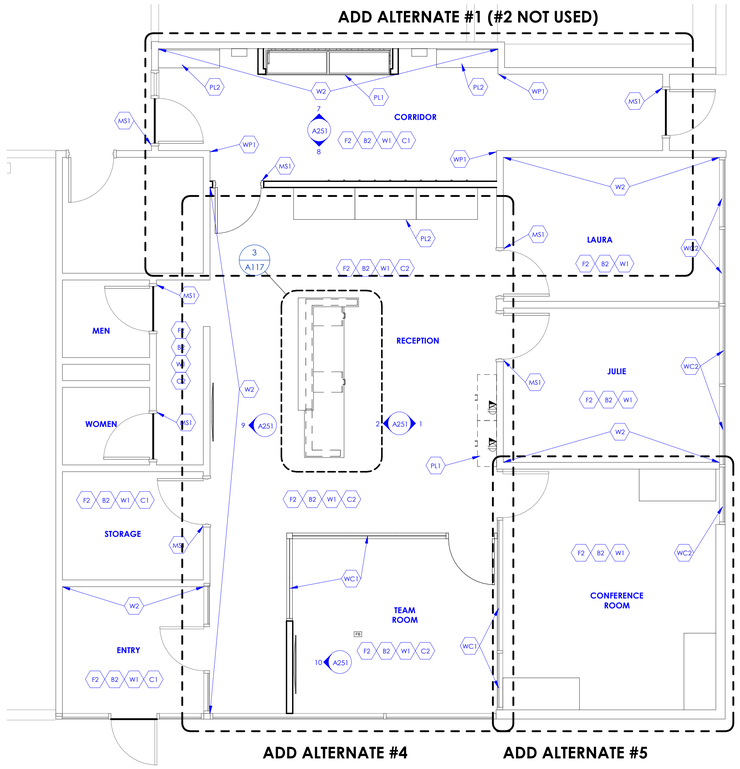
Floor Plan - Level 1 Reception and Staff Entrance
A113B

3/2/2023 4:11:45 PM



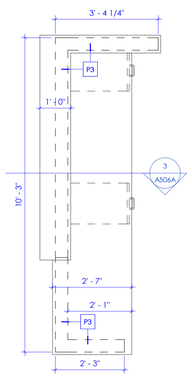
1 Finish Floor Plan Level 1 - Area A
SCALE: 1/4" = 1'-0"

NORTH



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

NORTH



3 Reception Desk
SCALE: 1/2" = 1'-0"

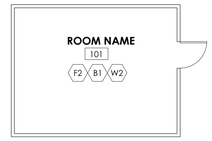
NORTH

3/2/2023 4:21:01 PM

KEYED NOTES

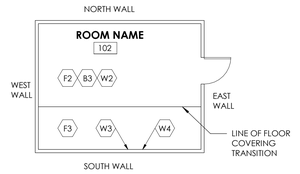
SAMPLE LAYOUTS

SAMPLE LAYOUT 1



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

SAMPLE LAYOUT 2



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

GENERAL NOTES

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

KEY PLAN

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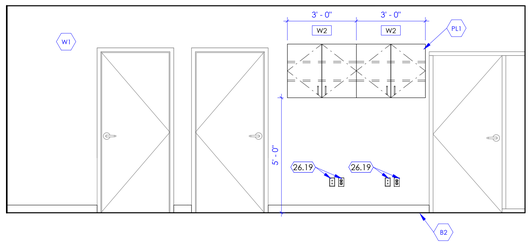
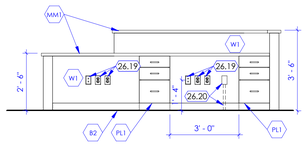
NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Finish and Enlarged Plans Level 1

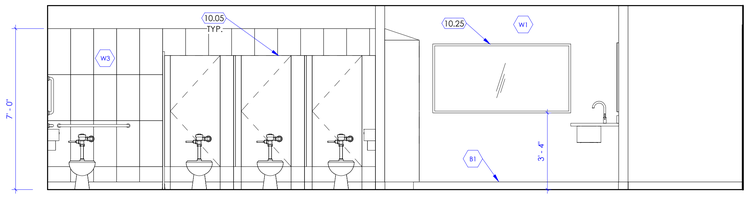
A117



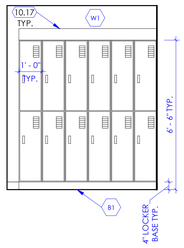
1 Reception
SCALE: 3/8" = 1'-0"



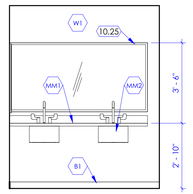
2 Reception Desk
SCALE: 3/8" = 1'-0"



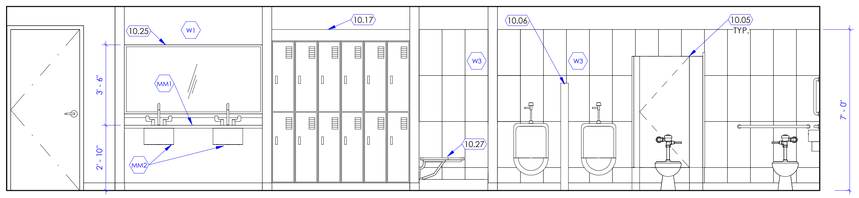
3 Women
SCALE: 3/8" = 1'-0"



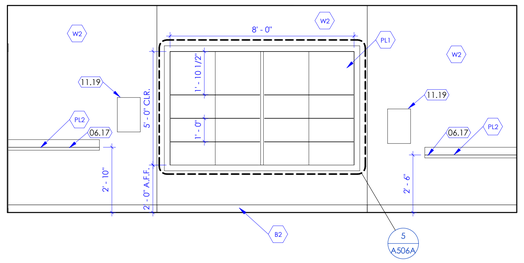
5 Women
SCALE: 3/8" = 1'-0"



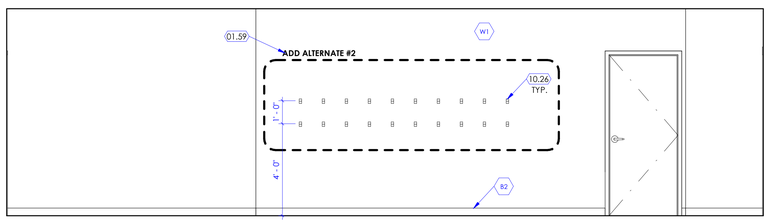
6 Women
SCALE: 3/8" = 1'-0"



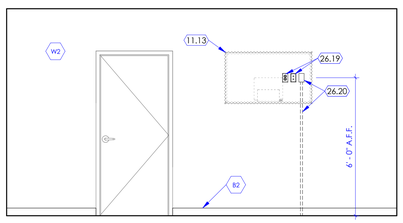
4 Men
SCALE: 3/8" = 1'-0"



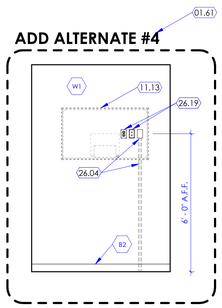
7 Staff Entrance
SCALE: 3/8" = 1'-0"



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



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



10 Team Room
SCALE: 3/8" = 1'-0"

KEYED NOTES

01.59 BASE BID FOR THIS PROJECT INCLUDES ARCHITECTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED IN THE CONSTRUCTION DOCUMENTS. ADD ALTERNATE #2 NOT USED.

01.61 BASE BID FOR THIS PROJECT INCLUDES ARCHITECTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED IN THE CONSTRUCTION DOCUMENTS. AS PART OF ADD ALTERNATE #4, DEMO RECEPTION AREA DESK AND MILLWORK AND FINISHES AS INDICATED. CONSTRUCT NEW RECEPTION DESK, ADD MILLWORK AS INDICATED, CONSTRUCT NEW TEAM ROOM (A114) WITH NEW GLASS STOREFRONT SYSTEM, FRAMED WALL AND HEADERS, NEW DOOR AND DOOR HARDWARE. ADD SCHEDULED FINISHES AND NEW MECHANICAL AND ELECTRICAL AS INDICATED. SEE ELECTRICAL DRAWINGS. SEE MECHANICAL DRAWINGS.

06.17 PLASTIC LAMINATE COUNTERTOP. SEE TYPICAL DETAILS 6/A505B. PROVIDE COUNTERTOP SUPPORTS PER DETAIL 5/A505B. SEE FINISH SCHEDULE

10.05 STAINLESS STEEL TOILET PARTITION. SECURELY ATTACH AT TOP, BOTTOM, AND CENTER OF PARTITION. PROVIDE BACKING AS REQUIRED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.

10.06 STAINLESS STEEL URINAL SCREEN. ATTACH SCREEN SECURELY TO WALL AT TOP, BOTTOM, AND CENTER OF SCREEN. PROVIDE BACKING AS REQUIRED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.

10.17 METAL LOCKERS, 12"W X 18"D X 74"H. PROVIDE SLOPED TOP AND BUILT-UP CONCRETE BASE. CONTRACTOR TO CONFIRM COLOR SELECTION WITH ARCHITECT FROM MANUFACTURER'S COLOR SELECTION CHART.

10.25 MIRROR, 6'-0" WIDE X 3'-0"HIGH. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.

10.26 COAT HOOK. PROVIDE BACKING. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.

10.27 SHOWER SEAT. PROVIDE BACKING. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.

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.

11.19 EMPLOYEE TIME CLOCK. SEE ELECTRICAL DRAWINGS. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.

26.04 POWER AND DATA OUTLETS IN FLOOR BOX. RECESS FLOOR BOX IN CONCRETE FLOOR SLAB ON GRADE. PROVIDE 1 1/2" CONDUIT CONNECTION BETWEEN FLOOR BOX AND ADJACENT T.V. TERMINATE CONDUIT AT T.V. WITH SINGLE GANG BOX AND BRUSH WALL PLATE. SEE ELECTRICAL DRAWINGS.

26.19 POWER AND DATA OUTLETS. SEE ELECTRICAL DRAWINGS.

26.20 PROVIDE 1 1/2" CONDUIT CONNECTION BETWEEN RECEPTION DESK AND TELEVISION OPPOSITE OF DESK. TERMINATE CONDUIT AT EACH END WITH SINGLE GANG BOX AND BRUSH WALL PLATE. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

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Interior Elevations

A251

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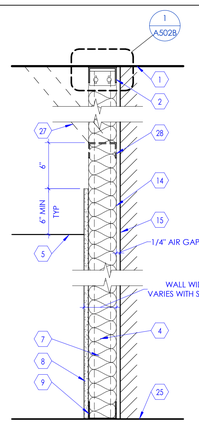
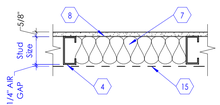


SECTION VIEW

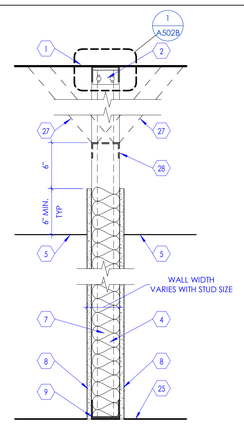


PLAN VIEW

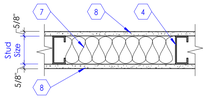
WALL TYPE	STUD SIZE	WALL WIDTH
A1	1 1/2"	2 1/8"
A2	2 1/2"	3 1/8"
A3	3 5/8"	4 1/4"
A6	6"	6 5/8"

Type - A

Metal Stud
Furring Wall



SECTION VIEW

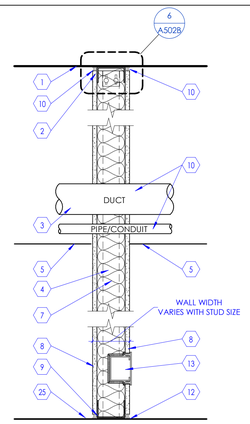


PLAN VIEW

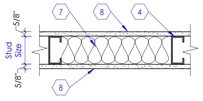
WALL TYPE	STUD SIZE	WALL WIDTH
B2	2 1/2"	3 3/4"
B3	3 5/8"	4 7/8"
B6	6"	7 1/4"

Type - B

Typical Metal
Stud Wall



SECTION VIEW



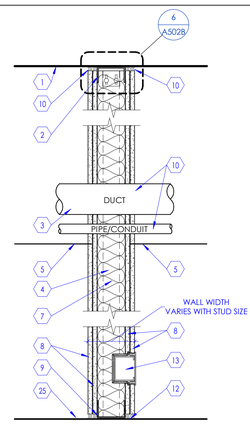
PLAN VIEW

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

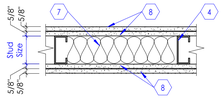
Type - C

1 Hour Fire Rated

UL DESIGN #: U465



SECTION VIEW



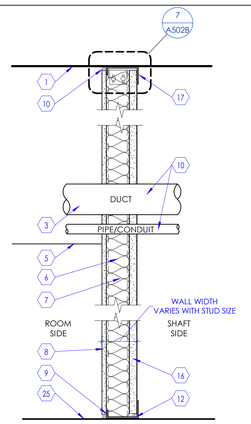
PLAN VIEW

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

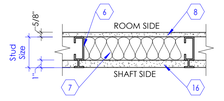
Type - D

2 Hour Fire Rated

UL DESIGN #: U411



SECTION VIEW



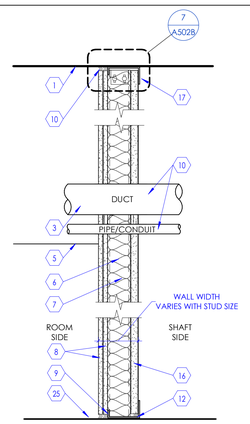
PLAN VIEW

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

Type - E

1 Hour Fire Rated
Shaft Wall

UL DESIGN #: U415 SYS. A



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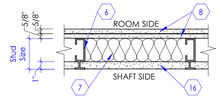


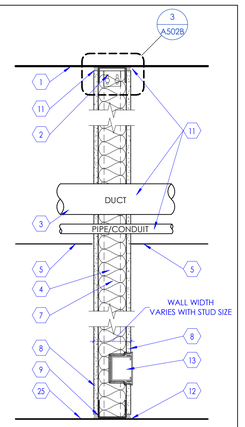
PLAN VIEW

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

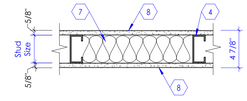
Type - F

2 Hour Fire Rated
Shaft Wall

UL DESIGN #: U415 SYS. A



SECTION VIEW

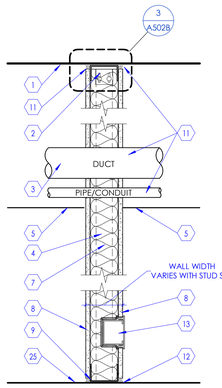


PLAN VIEW

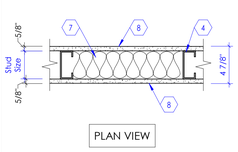
WALL TYPE	STUD SIZE	WALL WIDTH
G2	2 1/2"	3 3/4"
G3	3 5/8"	4 7/8"
G4	4"	5 1/4"
G6	6"	7 1/4"

Type - G

Smoke Partition



SECTION VIEW



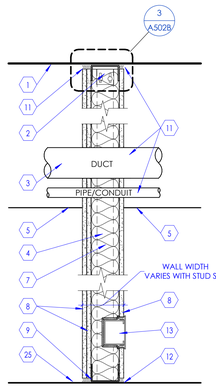
PLAN VIEW

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

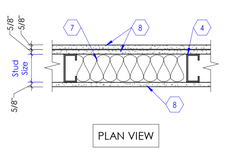
Type - H

Sound Barrier 40 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



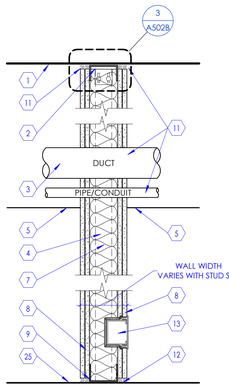
PLAN VIEW

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

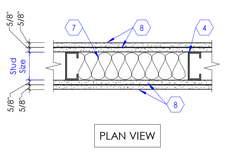
Type - J

Sound Barrier 45 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



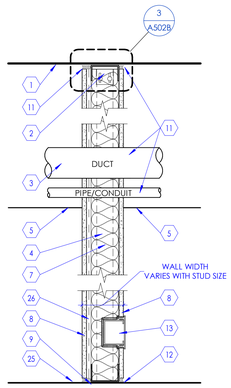
PLAN VIEW

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

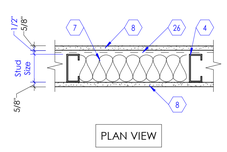
Type - K

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



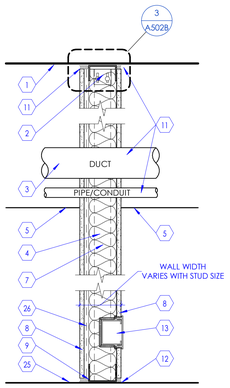
PLAN VIEW

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

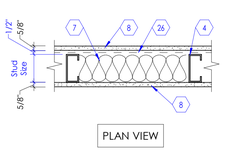
Type - L

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



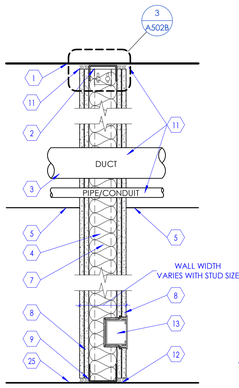
PLAN VIEW

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

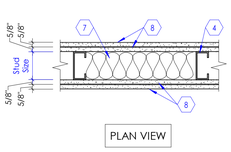
Type - M

1 Hour Fire Rated
Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



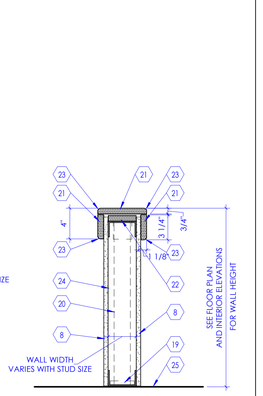
PLAN VIEW

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

Type - N

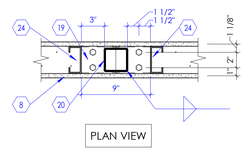
2 Hour Fire Rated
Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW

SECTION VIEW



PLAN VIEW

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

Type - P

Partial Height Wall

KEYED NOTE

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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"

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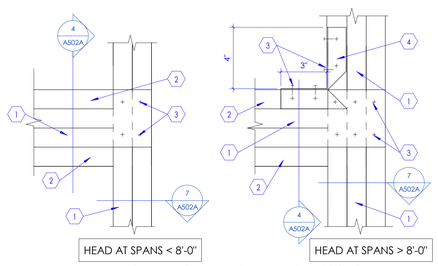
Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility

1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Wall Types

A501A

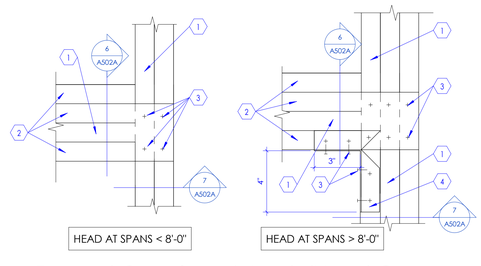


KEYED NOTES

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"

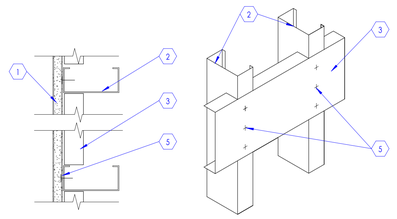


KEYED NOTES

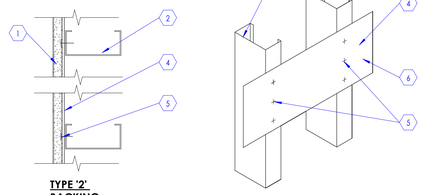
1. METAL STUDS. SEE DETAIL **6 / A502A**
2. METAL TRACK. SEE DETAIL **6 / A502A**
3. SHEET METAL SCREWS 4 #12 EA. SIDE.
4. BENT TRACK - 18 GA MIN. COPE WEB AT JAMB-HEADER CONDITION.

2 Framed Opening at Jamb/Head Corner

SCALE: 3" = 1'-0"



TYPE '1' BACKING



TYPE '2' BACKING

KEYED NOTES

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

GENERAL NOTES

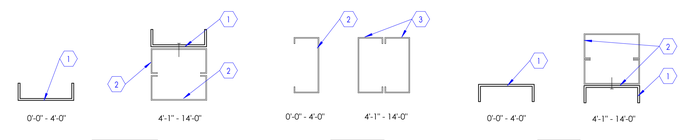
1. EXTEND BACKING PLATE TO NEXT STUD BEYOND SIDE OF FIXTURE OR ACCESSORIES - BOTH SIDES.
2. PROVIDE METAL SLEEVES THROUGH WALL FINISH AT FIXTURE AND EQUIPMENT FASTENING.
3. FOR MECHANICAL WORK ANCHORAGE SEE MECHANICAL DRAWINGS.

5 Backing Plate Schedule

SCALE: 3" = 1'-0"

KEYED NOTES

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



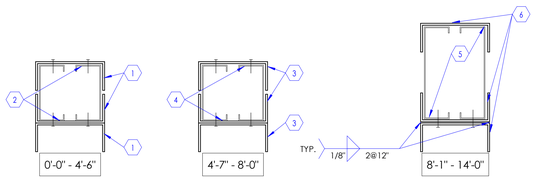
3 Typical Duct Opening

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.



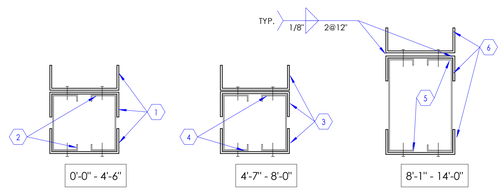
4 Typical Window Opening Framing at Sill

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.



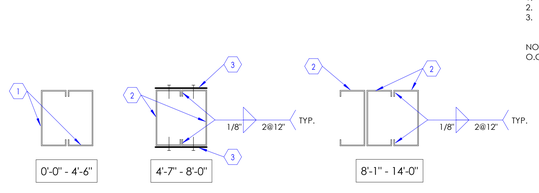
6 Typical Door and Window Opening Framing at Header

SCALE: 3" = 1'-0"

KEYED NOTES

1. METAL 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.

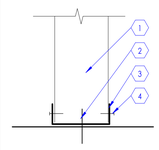


7 Typical Door and Window Opening Framing at Jamb

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.

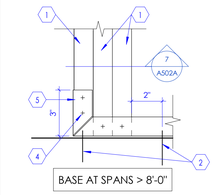


8 Base Track Detail

SCALE: 3" = 1'-0"

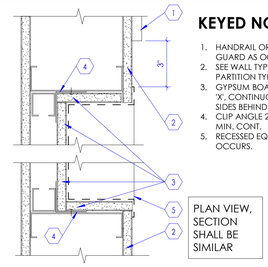
KEYED NOTES

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"

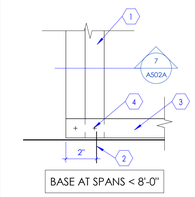


KEYED NOTES

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.

9 Detail at Recessed Equip.

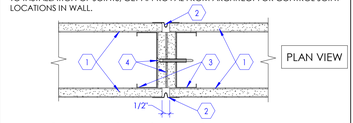
SCALE: 3" = 1'-0"



KEYED NOTES

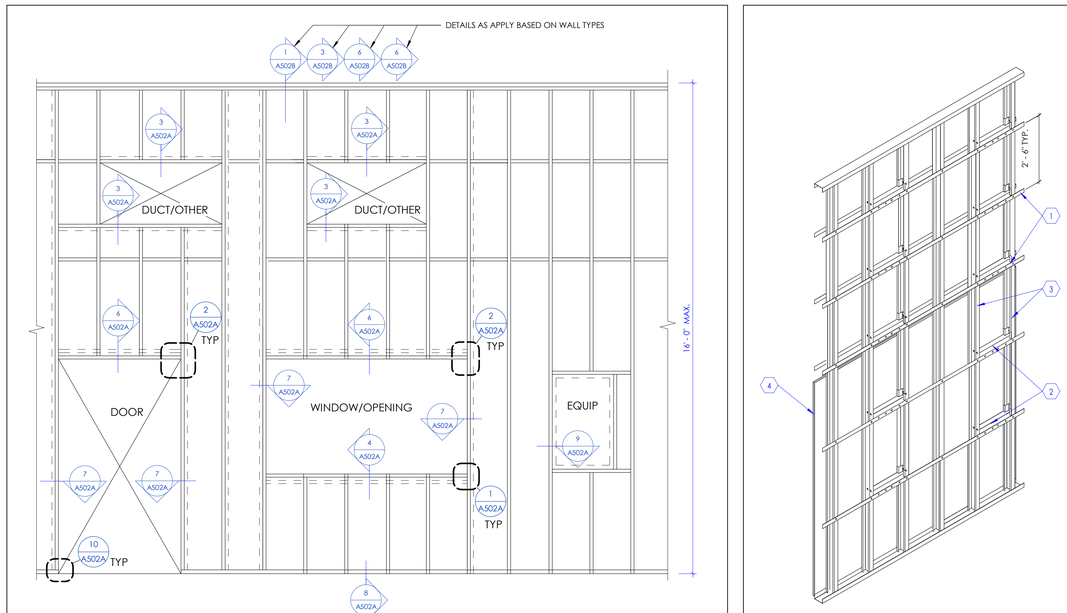
1. GYPSUM BOARD, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES AND WALL SECTIONS FOR GYPSUM BOARD TYPE.
2. EXPANSION JOINT (TE-Z STRIP, V-SHAPED VINYL EXPANSION JOINT BY NATIONAL GYPSUM COMPANY OR EQUIVALENT) ATTACHED TO GYPSUM BOARD.
3. METAL STUDS. SEE WALL TYPES AND WALL SECTIONS FOR STUD SIZE, THICKNESS, 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"



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

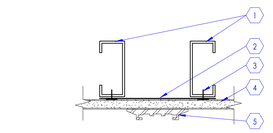
1. WHERE NO GYP. BD. OCCURS EITHER SIDE PROVIDE:
   A. METAL STUD BLOCKING AT ENDS AND 8'-0" O.C., HORIZONTALLY AND 2'-6" O.C. VERTICALLY.
   B. 20 GA. X 2" STRAP CONT. EACH SIDE AT 2'-6" O.C. MAX.
2. WHERE GYP. BD OCCURS ONE SIDE ONLY PROVIDE:
   A. 20 GA X 2" STRAP CONT. OPPOSITE SIDE FROM GYP BD.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

12 Typical Bracing at One Sided Partition

SCALE: 3" = 1'-0"

KEYED NOTES

1. METAL TRACK. 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"

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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility

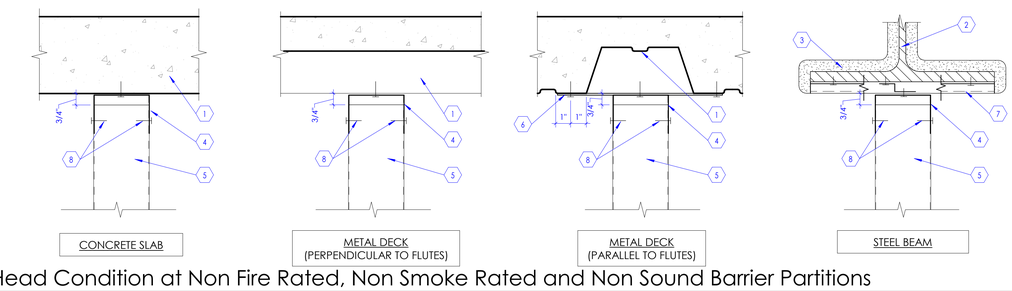
1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Wall Details

A502A

3/2/2023 4:12:11 PM

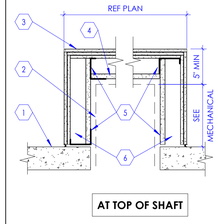


KEYED NOTES

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

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

SCALE: 3" = 1'-0"



KEYED NOTES

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

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

2 2-HR Enclosure at Top of Shaft

SCALE: 1" = 1'-0"

KEYED NOTES

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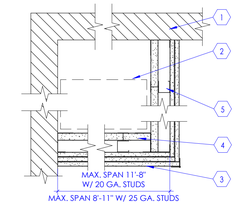
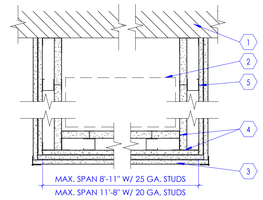


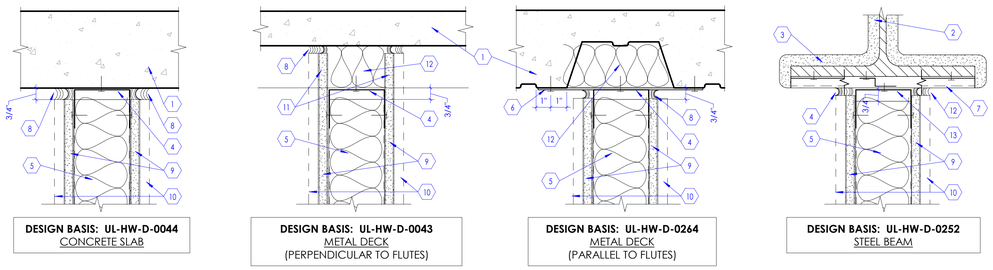
RATING INFORMATION:
HORIZONTAL FIRE
RATING - 2 HOUR TEST:
WHI-495 PSH 0154/0167



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

5 2-HR Horizontal Assembly

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

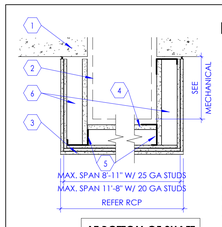


KEYED NOTES

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

3 Head Condition at Smoke Partitions and Sound Barrier Walls

SCALE: 3" = 1'-0"



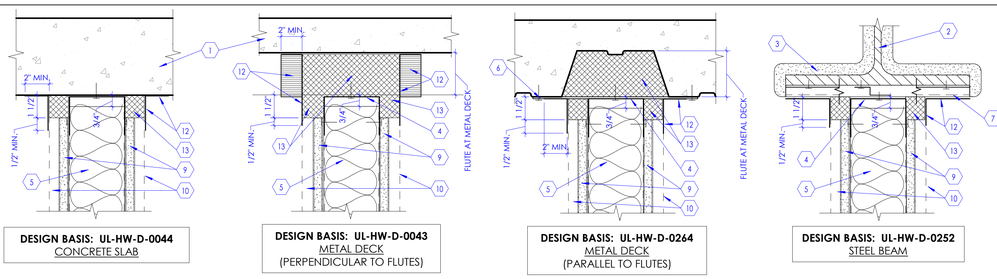
KEYED NOTES

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

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

4 2-HR Enclosure at B.O. Shaft

SCALE: 1" = 1'-0"

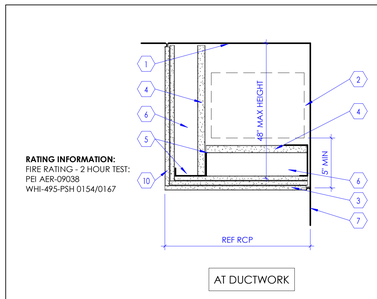


KEYED NOTES

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

6 Head Condition at Fire Rated Partitions

SCALE: 3" = 1'-0"



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

KEYED NOTES

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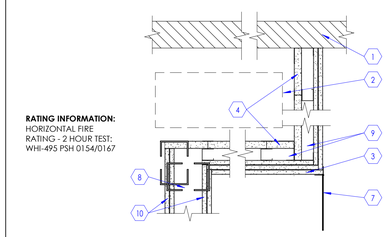
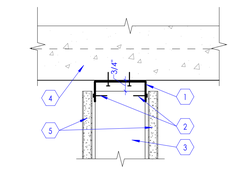
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. J-RUNNERS.
6. 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501A.
7. WALL BEYOND.
8. METAL STUD FRAMING: SEE PLANS FOR STUD SIZE.
9. SHAFT WALL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



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

8 2-HR Horizontal Enclosure

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



ISOMETRIC VIEW OF SLOTTED TOP TRACK

KEYED NOTES

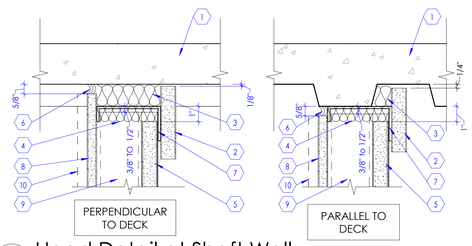
1. SLOTTED DEEP LEG DEFLECTION TRACK, 16GA CONTINUOUS. SECURE TO SUPERSTRUCTURE ABOVE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 3/4" OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
2. SLIP CONNECTION. SECURE VERTICAL STUDS TO SLOTTED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

GENERAL NOTES

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

9 Slip Connection Detail

SCALE: 3" = 1'-0"

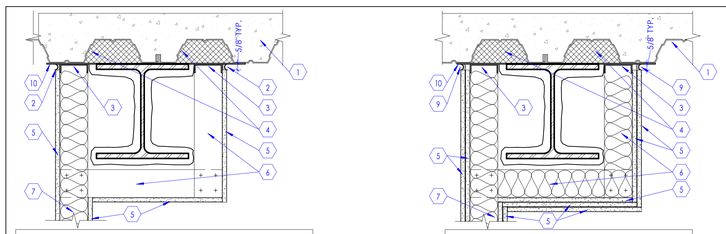


KEYED NOTES

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

7 Head Detail at Shaft Wall

SCALE: 3" = 1'-0"



KEYED NOTES

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

10 Alternate Framing Details at Rated Walls

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

NJRA ARCHITECTS
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Murray, Utah 84123
801.364.9259
www.njraarchitects.com

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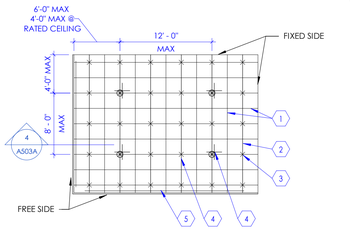


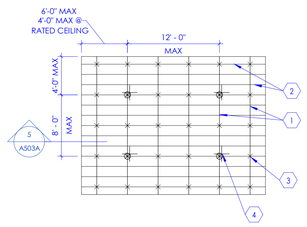
KEYED NOTES

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

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

1 Typical Acoustical Ceiling Suspension

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

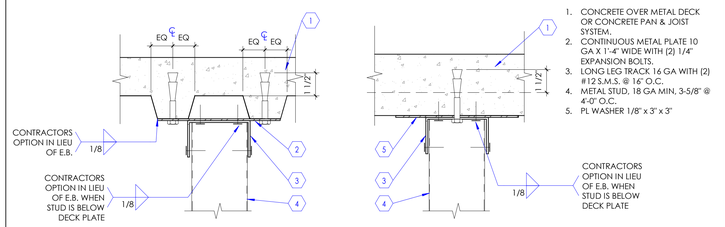


KEYED NOTES

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

2 Typical Gypsum Bd Ceiling Suspension

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

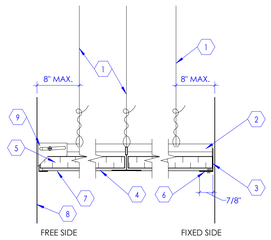


KEYED NOTES

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

3 Typical Suspended Stud Attachment To Concrete Deck

SCALE: 3" = 1'-0"



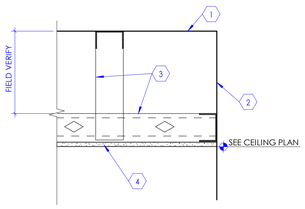
KEYED NOTES

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

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

4 Ceiling Grid Detail

SCALE: 3" = 1'-0"

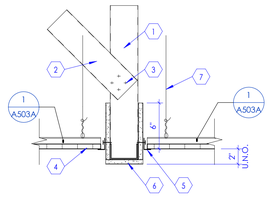


KEYED NOTES

1. LINE OF STRUCTURE ABOVE.
2. LINE OF WALL.
3. METAL STUD FRAMING (3-5/8" THICK, 18 GAUGE, METAL STUDS AT 16" O.C.) SUSPENDED FROM STRUCTURE ABOVE (OR WALL WHERE OCCURS). CROSS BRACE FRAMING AS REQUIRED FOR STRUCTURAL RIGIDITY.
4. ATTACH 5/8" THICK, TYPE 'X', GYPSUM BOARD TO METAL STUD FRAMING.

5 Ceiling Detail

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



KEYED NOTES

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

6 Gypsum Board Header

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

KEYED NOTES

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

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

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

7 Ceiling Detail

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

KEYED NOTES

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

8 Gypsum Board Ceiling Seismic Restraint Detail

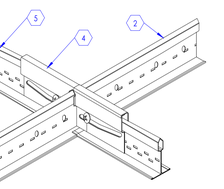
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

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

9 Gypsum Board Soffit

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



KEYED NOTES

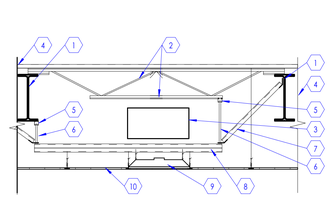
1. EXPANSION SLEEVE 4"x15/16". BASIS OF DESIGN: ARMSTRONG ES4, COLOR-WHITE.
2. MAIN BEAM. BASIS OF DESIGN: ARMSTRONG PRELUDE 15/16"XL EXPOSED TEE SYSTEM.
3. SEISMIC SEPARATION JOINT CLIP. BASIS OF DESIGN: ARMSTRONG SJMR-4'x1".
4. SEISMIC SEPARATION JOINT CLIP. BASIS OF DESIGN: ARMSTRONG SJCG-5'x1-1/2".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

AT CROSS TEE

AT MAIN BEAM

10 Seismic Separation Joint Clip Detail

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



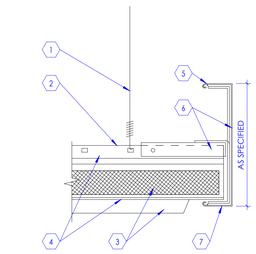
KEYED NOTES

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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STATE OF UTAH
SELVAM
RAJAVELU
267857-0301
LICENSED ARCHITECT

Intermountain Healthcare
Staff Entrance and Toilets Remodel at
Central Laundry Facility

1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Ceiling Details

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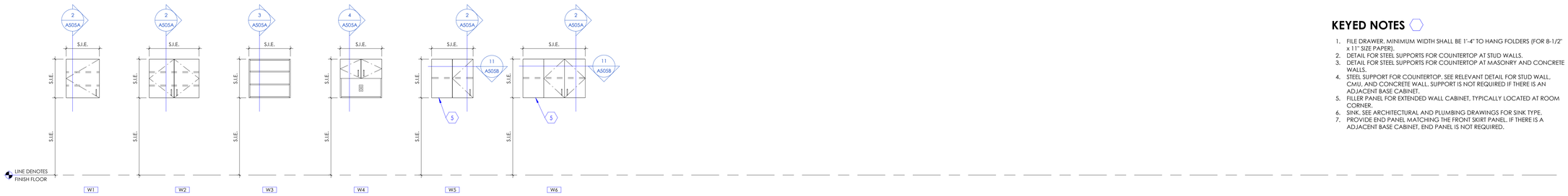
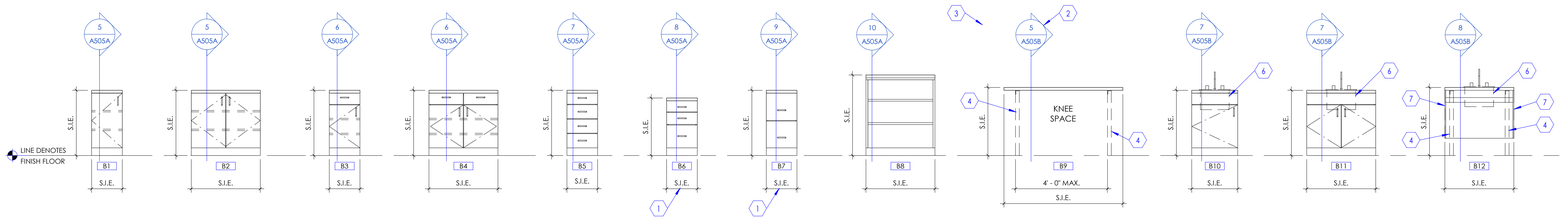




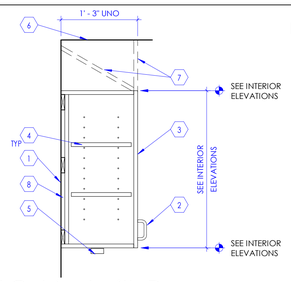
KEYED NOTES

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.

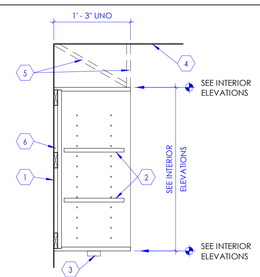


KEYED NOTES

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"



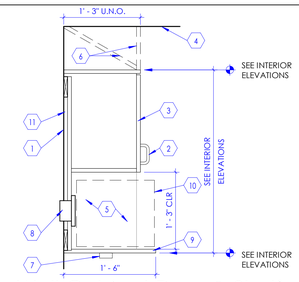
KEYED NOTES

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"

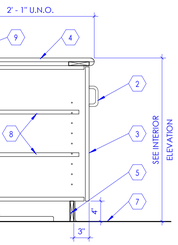


KEYED NOTES

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"

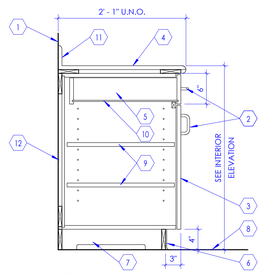


KEYED NOTES

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"

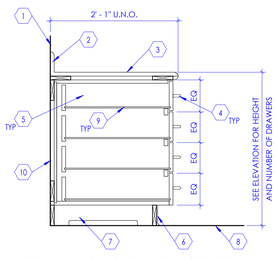


KEYED NOTES

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"

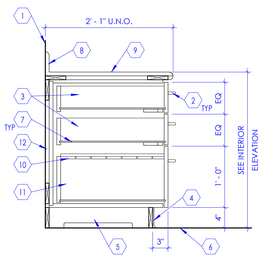


KEYED NOTES

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"

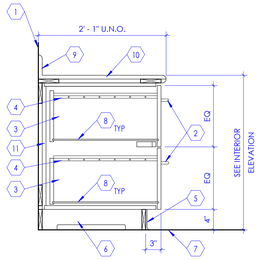


KEYED NOTES

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"

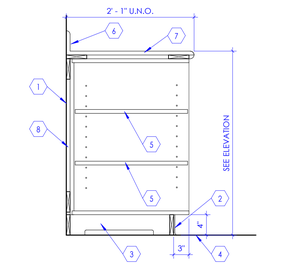


KEYED NOTES

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"

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NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Cabinet Legend & Details

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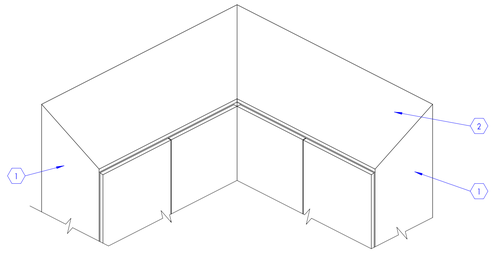
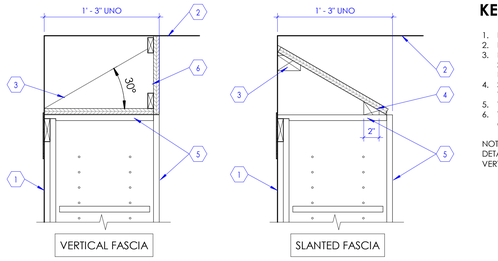


KEYED NOTES

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"



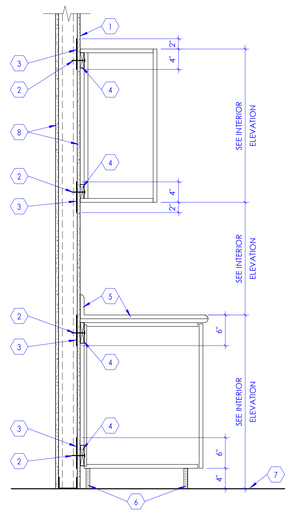
KEYED NOTES

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.

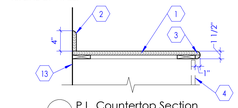
NOTE: WHEN CABINETS ARE MOUNTED TO CONCRETE WALL OR MASONRY (CMU BLOCKS) WALL, BACKING PLATES ARE NOT REQUIRED. PROVIDE COMPATIBLE MASONRY WALL ANCHORS AND FASTENERS TO ATTACH THE CABINETS.

3 Typical Cabinet Body Attachment to Walls

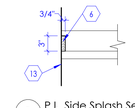
SCALE: 1" = 1'-0"

KEYED NOTES

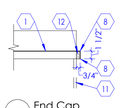
1. COUNTERTOP. PLASTIC LAMINATE WRAPPED OVER WOOD SUBSTRATE, 3/4" THICK. SUBSTRATE SHALL BE AS PER ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS FOR "PREMIUM" GRADE. PROVIDE FULL ROUND EDGE AS INDICATED. WHERE PLASTIC LAMINATE COUNTERTOP IS CALLED OUT AT SINK LOCATIONS, USE EXTERIOR GRADE MARINE PLYWOOD 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 **-/ - - -** 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.



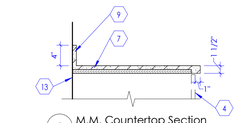
A P.L. Countertop Section



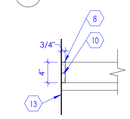
B P.L. Side Splash Section



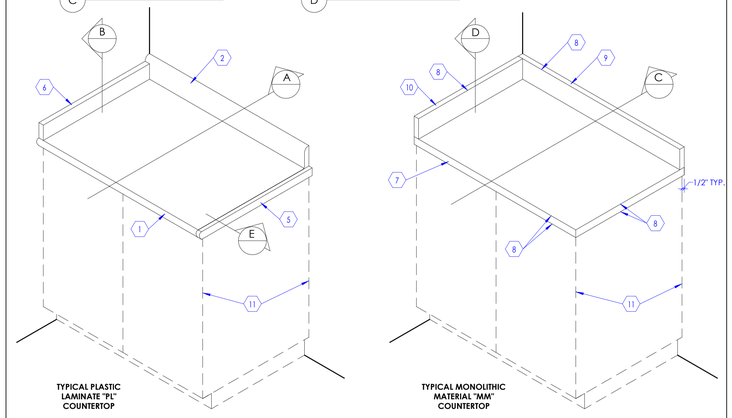
E End Cap



C M.M. Countertop Section



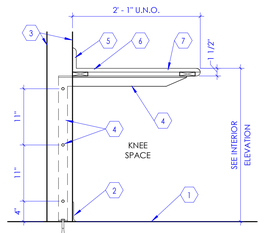
D M.M. Side Splash Section



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"

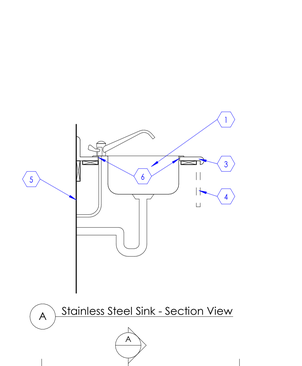


KEYED NOTES

1. LINE OF FLOOR.
2. WALL BASE. SEE FINISH SCHEDULE.
3. 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**

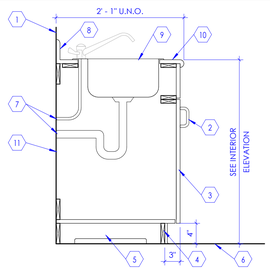
5 Steel Support for Countertop at Stud Wall

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**



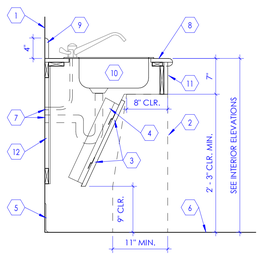
7 Sink with Base Cabinet

SCALE: 1" = 1'-0"

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.



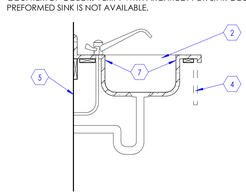
8 Sink without Base Cabinet

SCALE: 1" = 1'-0"

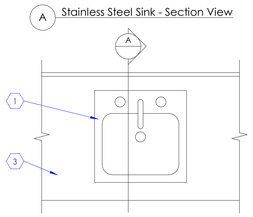
KEYED NOTES

1. 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.

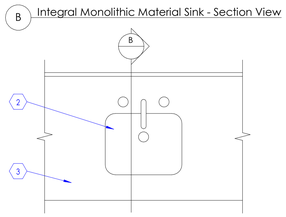
A Stainless Steel Sink - Section View



B Integral Monolithic Material Sink - Section View



Stainless Steel Sink - Plan View



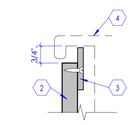
Integral Monolithic Material Sink - Plan View

9 Typical Sink Detail

SCALE: 1" = 1'-0"

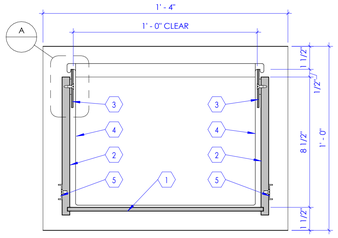
KEYED NOTES

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



A File Drawer Edge

SCALE: 6" = 1'-0"

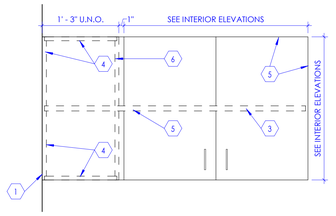


10 File Drawer Section

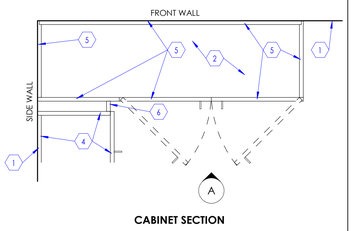
SCALE: 3" = 1'-0"

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"

NJRA ARCHITECTS

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STATE OF UTAH
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267857-0301
LICENSED ARCHITECT

Intermountain Healthcare
Staff Entrance and Toilets Remodel at
Central Laundry Facility

1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Cabinet Details

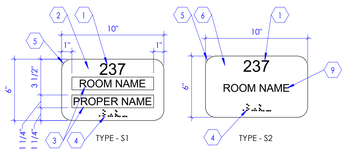
A505B

3/2/2023 4:12:32 PM

KEYED NOTES

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

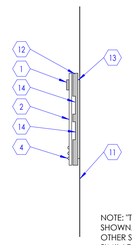
NOTE:
A. PROVIDE ROOM SIGN AT EACH DOORWAY OR A WALL OPENING LEADING TO A ROOM. SEE FINISH FLOOR PLAN FOR REQUIRED NUMBER OF SIGNS, SIGN TYPE, ROOM NAMES, ETC.
B. SIGN CONTRACTOR SHALL COORDINATE WITH OWNER AND PROVIDE TEXT INSERTS FOR OCCUPANTS PROPER NAME FOR ALL "TYPE-S1" WALL SIGNS.
C. ALL COLORS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



TYPE - S1 | TYPE - S2 | TYPE - S3 | TYPE - S4 | TYPE - S5 | TYPE - S6

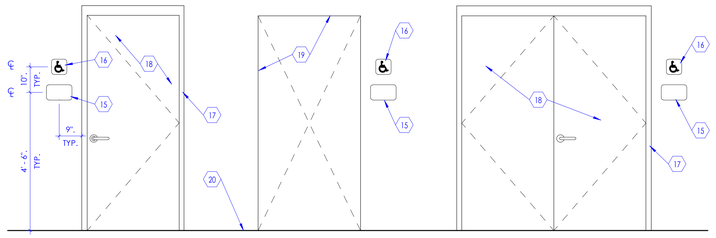
NOTE: VERIFY WITH ARCHITECT FOR ACTUAL OCCUPANT LOAD

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



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

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



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

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

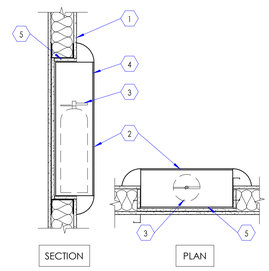
WHERE DOUBLE DOORS OCCUR, MOUNT SIGNS ALONG THE RIGHT SIDE OF THE RIGHT-HAND DOOR.

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

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

KEYED NOTES

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

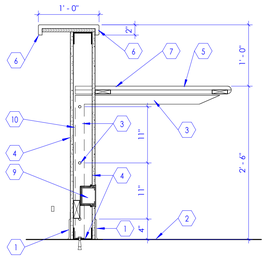


SECTION | PLAN

AT GYPSUM BOARD WALL

FIRE EXTINGUISHER RECESSED CABINET AT GYPSUM BOARD WALL

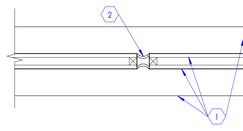
2 Fire Extinguisher Cabinet Detail
SCALE: 1" = 1'-0"



KEYED NOTES

1. WALL BASE. SEE FINISH SCHEDULE.
2. LINE OF FLOOR.
3. COUNTERTOP SUPPORT, PAINTED. SEE DETAIL **5 / A505B**
4. PARTIAL HEIGHT (SHORT) WALL. METAL STUD FRAMING (3-5/8" THICK, 16 GAUGE, METAL STUDS AT 16" O.C.) ANCHORED TO FLOOR SLAB SIMILAR TO WALL. PROVIDE 5/8" THICK GYPSUM BOARD AS INDICATED OVER METAL STUD FRAMING. RUN CONDUITS AND LOCATE JUNCTION BOX FOR POWER, DATA, ETC. INSIDE WALL.
5. COUNTERTOP. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS. SEE TYPICAL COUNTERTOP DETAIL
6. TRANSACTION COUNTER. SEE FINISH FLOOR PLAN AND INTERIOR ELEVATIONS FOR REQUIRED MATERIAL AT DIFFERENT LOCATIONS.
7. PROVIDE GROMMETS AT COMPUTER MONITOR LOCATIONS, KNEE SPACES, COUNTERTOP EQUIPMENT, ETC.
8. NOT USED.
9. JUNCTION BOX AS OCCURS FOR POWER, DATA, ETC., SEE ELECTRICAL DRAWINGS.
10. PROVIDE STEEL SUPPORT FOR PARTIAL HEIGHT (SHORT) WALL FOR RIGIDITY AS INDICATED IN WALL TYPE "P", SHEET A501A.

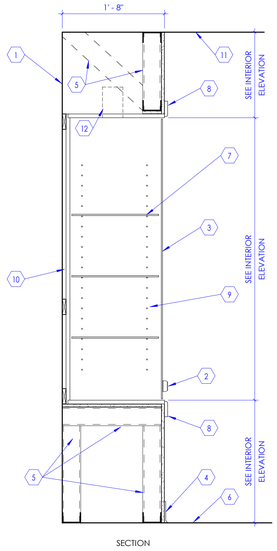
3 Reception Counter
SCALE: 1" = 1'-0"



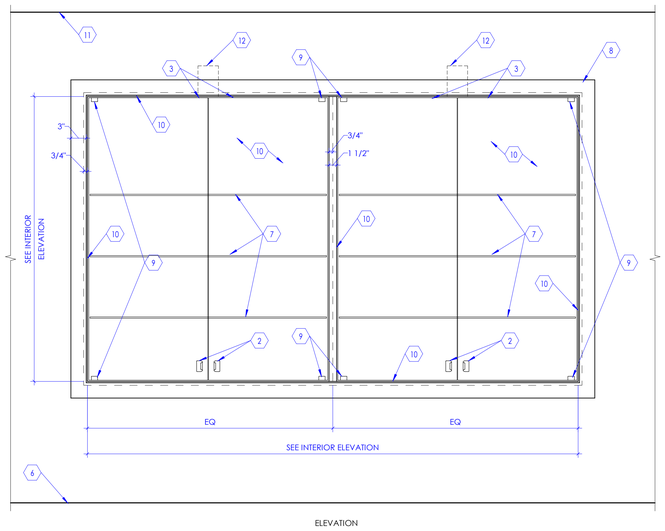
KEYED NOTES

1. ALUMINUM STOREFRONT SYSTEM. SEE WINDOW TYPES.
2. PROVIDE CLEAR STRUCTURAL SILICONE SEALANT WHERE GLAZING ABUTS, TYPICAL.

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



SECTION



ELEVATION

KEYED NOTES

1. LINE OF WALL.
2. DOOR PULL.
3. GLASS DOOR. GLASS SHALL BE 1/4" THICK FRAMELESS. GRIND ALL EDGES OF GLASS SMOOTH.
4. WALL BASE. SEE FINISH SCHEDULE.
5. STEEL STUD FRAMING.
6. LINE OF FLOOR.
7. ADJUSTABLE GLASS SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS. PROVIDE A MINIMUM OF THREE GLASS SHELVES.
8. TRIM. TRIM SHALL MATCH DISPLAY CASE BODY.
9. PIVOT STYLE HINGE AT TOP AND BOTTOM OF GLASS.
10. DISPLAY CASE BODY. BODY SHALL BE CONSTRUCTED OF 3/4" PRESSURE TREATED PLYWOOD WITH PLASTIC LAMINATE FINISH. ALL EXPOSED EDGES SHALL BE FINISHED WITH EDGE BANDING. SEE FINISH SCHEDULE. SEE SHEET ATTACH TO WALL PER TYPICAL DETAIL **3 / A505B**
11. LINE OF CEILING. SEE REFLECTED CEILING PLAN.
12. DOWNLIGHT. SEE ELECTRICAL DRAWINGS

5 Display Case
SCALE: 1" = 1'-0"

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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility

1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Details

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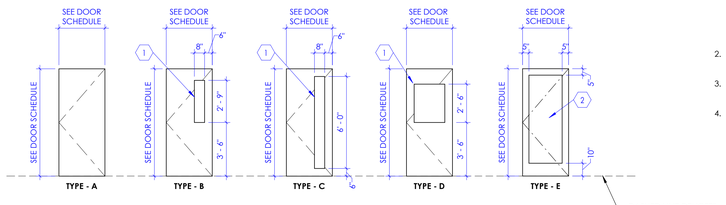


1 Door Types

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

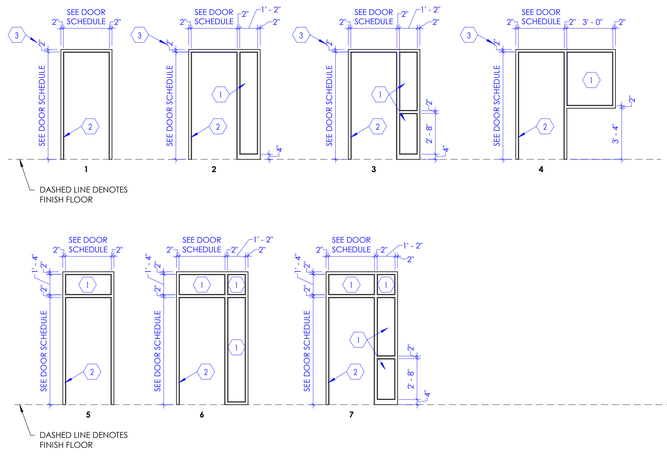
1. VISION PANEL. GLAZING IN VISION PANEL SHALL BE 1/4" THICK, CLEAR, TEMPERED, GLAZING. FOR WOOD DOOR, PROVIDE WOOD TRIM FRAME FLUSH WITH THE FACE OF THE DOOR, AROUND THE VISION PANEL OPENING. STAIN AND SPECIES OF WOOD TRIM SHALL MATCH WOOD DOOR. FOR HOLLOW METAL DOOR, PROVIDE METAL TRIM AROUND VISION 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.

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)										
101A	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	6/A601A	6/A601A	-	101A	NA	SEE NOTES	3
102A	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	6/A601A	6/A601A	-	102A	NA	SEE NOTES	3
112A	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	6/A601A	6/A601A	-	112A	NA	SEE NOTES	1
114A	1	3' - 0"		8' - 10"	1 3/4"	AL	A	-		AL	-	-	-	114A	NA	BY MFG.	2, 4

COMMENTS

1. REUSE EXISTING DOOR, FRAME AND HARDWARE.
2. HARDWARE BY STOREFRONT MFG. INCLUDE AS PART OF ADD ALTERNATE #4
3. PROVIDE ROCKWOOD 71A STAINLESS STEEL PUSH PLATE AND 102x70B HAND PULL, NORTON 7500 SERIES DOOR CLOSER, MCKINNEY T4A3381 HINGES AND ROCKWOOD 608-RKW DOOR SILENCERS
4. INCLUDE DOOR AS PART OF ADD ALTERNATE #4.



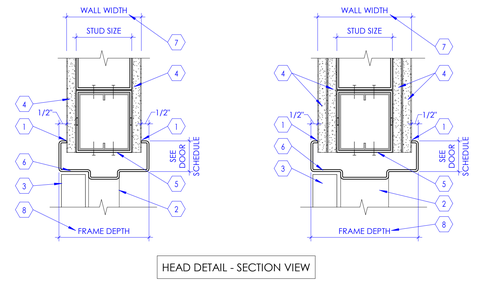
2 Frame Types

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

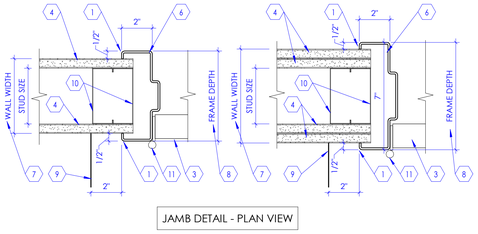
NOTE: REFER TO "DOOR SCHEDULE" FOR FRAME TYPES REQUIRED FOR THIS PROJECT. SOME FRAME TYPE ELEVATIONS INDICATED ABOVE MAY NOT BE APPLICABLE TO THIS PROJECT.

KEYED NOTES

1. GLAZING SHALL BE CLEAR, TEMPERED, AND 1/4" THICK.
2. 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.



HEAD DETAIL - SECTION VIEW



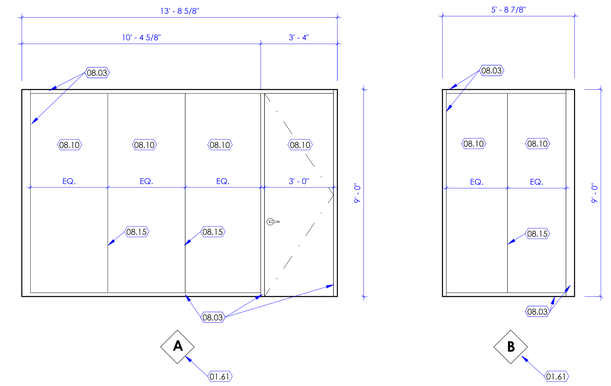
JAMB DETAIL - PLAN VIEW

KEYED NOTES

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

6 Door Frame in Stud Wall

SCALE: 3" = 1'-0"



KEYED NOTES

01.61 BASE BID FOR THIS PROJECT INCLUDES ARCHITECTURAL, MECHANICAL AND ELECTRICAL WORK AS DEFINED IN THE CONSTRUCTION DOCUMENTS. AS PART OF ADD ALTERNATE #4, DEMO RECEPTION AREA DESK AND MILLWORK AND FINISHES AS INDICATED. CONSTRUCT NEW RECEPTION DESK, ADD MILLWORK AS INDICATED, CONSTRUCT NEW TEAM ROOM (A114) WITH NEW GLASS STOREFRONT SYSTEM, FRAMED WALL AND HEADERS, NEW DOOR AND DOOR HARDWARE, ADD SCHEDULED FINISHES AND NEW MECHANICAL AND ELECTRICAL AS INDICATED. SEE ELECTRICAL DRAWINGS. SEE MECHANICAL DRAWINGS.

08.03 ALUMINUM-FRAMED STOREFRONT SYSTEM. WINDOW SYSTEM SHALL BE 2" X 4 1/2" FRAMES. GLAZING SHALL BE CENTERED. FRAMES SHALL HAVE BAKED FINISH. CONTRACTOR TO SELECT COLOR FROM MANUFACTURER'S COLOR CHART WHICH SHALL MATCH OTHER EXISTING STOREFRONT FRAMES IN ADJACENT AREAS AND BE CONFIRMED BY ARCHITECT. PROVIDE HEAVY DUTY FRAMES AROUND DOORS.

08.10 GLAZING SHALL BE 1/2" THICK, CLEAR AND TEMPERED.

08.15 BUTT JOINT IN GLAZING WITHOUT VERTICAL FRAME BEHIND. SEE DETAIL 4/A506A

3 Window Types

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

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STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility
1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Door Schedule and Window Types

A601A

FINISH SCHEDULE

TAG	FINISH TYPE	SIZE	MATERIAL DESCRIPTION	MANUFACTURER	STYLE	MODEL #	COLOR	COMMENTS
F1	FLOOR FINISH		RESINOUS FLOORING	SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING	RESUFLOR DECO FLAKE BC	1/4" FLAKE	CRESCENT MOON	-
F2	FLOOR FINISH	18" X 18"	LUXURY VINYL TILES	MANNINGTON COMMERCIAL	FIERA	MSC224	PYRITE	3
B1	WALL BASE	4" HIGH	COVED RESINOUS FLOORING	SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING	RESUFLOR DECO FLAKE BC	1/4" FLAKE	CRESCENT MOON	-
B2	WALL BASE	4" HIGH	RUBBER BASE	ROPPE	PINNACLE STANDARD TOE	114	LUNAR DUST	-
B3	WALL BASE		RUBBER BASE	ROPPE	-	-	-	1
W1	WALL FINISH		PAINT	SHERWIN WILLIAMS	SATIN FINISH	SW 7005	PURE WHITE	-
W2	WALL FINISH		PAINT - ACCENT	SHERWIN WILLIAMS	SATIN FINISH	SW 0023	PEWTER TANKARD	-
W3	WALL FINISH	12" X 24"	PORCELAIN TILE	CROSSVILLE	NOTORIOUS	NTR05 HON	LEADING MAN	4, 5
W4	WALL FINISH		PAINT - ACCENT	SHERWIN WILLIAMS	SATIN FINISH	SW 6243	DISTANCE	-
W5	WALL FINISH		PAINT - MATCH EXISTING	SHERWIN WILLIAMS	SATIN FINISH	-	-	1
C1	CEILING FINISH		PAINTED GYPSUM BOARD CEILING	SHERWIN WILLIAMS	FLAT FINISH	SW 7005	PURE WHITE	-
C2	CEILING FINISH	24" x 48"	ACOUSTICAL CEILING TILES AND GRID	-	-	-	-	1, 2
MS1	MISC. SURFACE FINISH		LIQUID APPLIED - PAINT	SHERWIN WILLIAMS	SEMI-GLOSS FINISH	SW 7005	PURE WHITE	-
PL1	PLASTIC LAMINATE FINISH		PLASTIC LAMINATE SHEET OVER SUBSTRATE	WILSONART	LINEARITY FINISH	7970K-18	HIGH LINE	-
PL2	PLASTIC LAMINATE FINISH		PLASTIC LAMINATE SHEET OVER SUBSTRATE	WILSONART	MATTE FINISH	1573-60	FROSTY WHITE	-
MM1	MONOLITHIC MATERIAL		SOLID SURFACE COUNTERTOP	CORIAN SOLID SURFACE	-	-	WHITE JASMINE	-
MM2	MONOLITHIC MATERIAL		SOLID SURFACE INTEGRAL SINK	STARON SOLID SURFACE	-	BW 010	BRIGHT WHITE	-
WP1	WALL PROTECTION	2" LEGS	CORNER GUARDS	CONSTRUCTION SPECIALTIES	ACROVYN CORNER GUARDS	SSM-20	949 WHITE	-
WC1	WINDOW COVERINGS		WINDOW FILM	DECORATIVE FILMS	-	SXGF-0097 DEEP ETCH	WHITE	-
WC2	WINDOW COVERINGS		MANUAL ROLLER SHADE	MECHO	DOUBLE SHADES	MECHO 5	ACOUSTIVEIL 0891 WHITE, SOHO 1901 WHITE	-

COMMENTS

1. MATCH EXISTING FINISH STYLE AND COLOR.
2. SEE REFLECTED CEILING PLAN FOR GRID LAYOUT.
3. LVT FLOORING TO BE INSTALLED IN A SQUARE JOINT PATTERN 2/A603A.
4. WALL TILES TO BE INSTALLED IN A RECTANGULAR JOINT PATTERN 3/A603A. ALL EXPOSED EDGES OF WALL TILE TO BE FINISHED WITH A SCHLUTER STRIP JOLLY PROFILE.
5. USE MAPEI GROUT COLOR #02 PEWTER OR SIMILAR.

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.

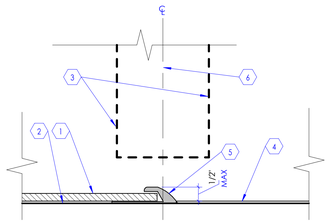
G. IN ROOMS AND AREAS WHERE GYPSUM BOARD CEILING IS INDICATED, PAINT CEILING WITH THE SAME COLOR AND TYPE AS ADJACENT WALLS. IN WET ROOMS (LIKE RESTROOM, KITCHEN, ETC.) WHERE EPOXY PAINT IS INDICATED AS A REQUIREMENT ON WALLS, PAINT CEILINGS AND SOFFITS WITH EPOXY TYPE PAINT. ALL GYPSUM BOARD SOFFITS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

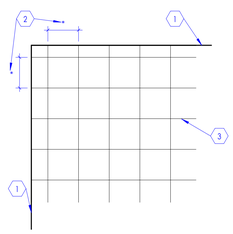


RESILIENT FLOOR COVERING (VCT, LVT) TO FINISH SUBSTRATE (CONCRETE, GYPCRETE, WOOD)

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.

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

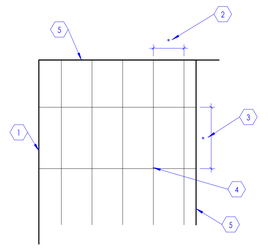


KEYED NOTES

1. LINE OF WALL.
2. DIMENSION TO BE 8" FOR CERAMIC TILE, 24" FOR CARPET TILE, 18" FOR LVT, ETC. SEE FINISH SCHEUDLE.
3. SQUARE JOINT PATTERN.

NOTE: FLOORING PIECE NOT TO BE SMALLER THAT 1" X 1".

2 JP-1 (Square) Detail
SCALE: 3/4" = 1'-0"



KEYED NOTES

1. LINE OF WALL.
2. DIMENSION TO BE 12" FOR PORCELAIN TILE. SEE FINISH SCHEUDLE.
3. DIMENSION TO BE 24" FOR PORCELAIN TILE. SEE FINISH SCHEDULE.
4. RECTANGLE JOINT PATTERN.
5. EXPOSED EDGE TO BE FINISHED WITH A SHLUTER STRIP JOLLY PROFILE.

NOTE: FLOORING OR WALL PIECE NOT TO BE SMALLER THAT 1" X 1".

3 JP-2 (Rectangular) Detail
SCALE: 3/4" = 1'-0"

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STATE OF UTAH
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267857-0301
LICENSED ARCHITECT

Intermountain Healthcare
Staff Entrance and Toilets Remodel at
Central Laundry Facility
1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2022

Finish Schedule & Details

A603A

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SYMBOL LEGEND - PIPING

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

SYMBOL	DESCRIPTION
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTOMATIC 2-WAY VALVE
	AUTOMATIC 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI VALVE
	BALANCING OR PLUG COCK
	FLOW SETTER
	EXPANSION VALVE
	GAS COCK
MAV	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	PIPE REDUCER
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEGREE ELBOW UP
	90 DEGREE ELBOW DOWN
	90 DEGREE TEE UP
	90 DEGREE TEE DOWN
	PIPE UNION
	PIPE CAP
	PIPE ANCHOR
	FLOAT AND THERMOSTATIC TRAP

SYMBOL LEGEND - MECH

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

SYMBOL	DESCRIPTION
	SQUARE OR RECTANGULAR SUPPLY DIFFUSER
	SQUARE OR RECTANGULAR RETURN DIFFUSER
	SQUARE OR RECTANGULAR EXHAUST DIFFUSER
	ROUND DIFFUSER
	LINEAR SLOT GRILLE OR DIFFUSER
	FLEXIBLE DUCT
	SIDEWALL GRILLE OR REGISTER
	DUCT HIGH EFFICIENCY TAKE OFF WITH BALANCING DAMPER
	BALANCING DAMPER
	FIRE DAMPER
	FIRE / SMOKE COMBINATION DAMPER
T S H	THERMOSTAT - SENSOR - HUMIDISTAT

SYMBOL LEGEND - DUCTWORK

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

SYMBOL	DESCRIPTION
	RECTANGULAR SUPPLY DUCT UP
	RECTANGULAR SUPPLY DUCT DOWN
	RECTANGULAR RETURN DUCT UP
	RECTANGULAR RETURN DUCT DOWN
	RECTANGULAR EXHAUST DUCT UP
	RECTANGULAR EXHAUST DUCT DOWN
	ROUND SUPPLY DUCT UP
	ROUND SUPPLY DUCT DOWN
	ROUND RETURN DUCT UP
	ROUND RETURN DUCT DOWN
	ROUND EXHAUST DUCT UP
	ROUND EXHAUST DUCT DOWN
	OVAL SUPPLY DUCT UP
	OVAL SUPPLY DUCT DOWN
	OVAL RETURN DUCT UP
	OVAL RETURN DUCT DOWN
	OVAL EXHAUST DUCT UP
	OVAL EXHAUST DUCT DOWN
	SPIRAL OVAL DUCT
	SPIRAL ROUND DUCT
	DUCT INSULATION
	DUCT LINING
	90° RECTANGULAR ELBOW WITH TURNING VANES
	90° ROUND RADIUS ELBOW
	GORED OVAL RADIUS ELBOW
	DUCT SIZE OR SHAPE TRANSITION
	DUCT TO BE DEMOLISHED

PIPING LEGEND

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

ABBREVIATION	DESCRIPTION
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
C02	CARBON DIOXIDE
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
FP	FIRE PROTECTION
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
HPC	HIGH PRESSURE CONDENSATE
MPC	MEDIUM PRESSURE CONDENSATE
LPC	LOW PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
LPS	LOW PRESSURE STEAM
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
LPG	LIQUID PROPANE GAS
LPS	LOW PRESSURE STEAM
MA	MEDICAL AIR
NG	NATURAL GAS
NO	NITROUS OXIDE
O	OXYGEN
PC	PUMPED CONDENSATE
RG	REFRIGERANT GAS
RL	REFRIGERANT LIQUID
SMR	SNOW MELT RETURN
SMS	SNOW MELT SUPPLY
VAC	VACUUM

SYMBOL LEGEND - MISC

REFERENCE LINES AND SYMBOLS

SYMBOL	DESCRIPTION
	VIEW OR DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE VIEW OR DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR: # INDICATES VIEW NUMBER, SHEET INDICATES DRAWING SHEET WHERE VIEW IS SHOWN.
NAME	ROOM / SPACE INDICATOR
#	KEYNOTE INDICATOR
A	REVISION INDICATOR
XX-##	PLUMBING FIXTURE INDICATOR
XX-##	EQUIPMENT INDICATOR
TAG CFM	REGISTER, GRILLE, OR DIFFUSER INDICATOR
OR	BREAKLINE
MATCH LINE SEE XX/XXX	MATCHLINE INDICATOR
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE
	NEW CONNECTION TO EXISTING
	POINT OF DEMOLITION

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

(E)	EXISTING
(F)	FUTURE
AC	AIR CONDITION(-ING,-ED)
APD	AIR PRESSURE DROP
BD	BALANCING DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU/HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
DP	DEPTH, DEEP, OR DROP IN PRESSURE
EA	EXHAUST AIR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
ENT	ENTERING
EVAP	EVAPORAT(-E, -ING, -ED, -OR)
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERNAL
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HG	MERCURY
HP	HORSEPOWER
HR	HOUR
HTG	HEATING
HZ	HERTZ (FREQUENCY)
IN	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LH	LATENT HEAT
LRA	LOCKED ROTOR AMPS
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MFR	MANUFACTUR(-ER, -ED)
NC	NORMALLY CLOSED OR NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OZ	OUNCE
PD	PRESSURE DROP OR DIFFERENCE
PG	PROPOLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
RA	RETURN AIR
RECIRC	RECIRCULATE (-ER, -ED, -ING)
REFR	REFRIGERATION
REQD	REQUIRED
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SCFM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFT COLD WATER
SH	SENSIBLE HEAT
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
SW	SOIL, WASTE
TA(R)	TRANSFER AIR (RETURN)
TA(S)	TRANSFER AIR (SUPPLY)
TD	TEMP. DROP OR DIFF.
TEMP	TEMPERATURE
TOT	TOTAL
TSTAT	THERMOSTAT
V	VOLT, VOLTAGE OR VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VTR	VENT THROUGH ROOF
WB	WET BULB TEMP
WC	WATER COLUMN
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
WTR	WATER

MECHANICAL GENERAL NOTES

1. THE MECHANICAL DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT, & EXTENT OF THE MECHANICAL SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS, OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE & OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT.
2. MAJOR DEVIATIONS SUCH AS CHANGES IN SIZES, WEIGHTS, QUANTITIES, OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.
3. THE DRAWINGS & SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER & SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE & NOT THE OTHER BEING FURNISHED & INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH DOCUMENTS.
4. THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES. MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, & ALL OTHER APPLICABLE CITY, COUNTY, STATE, & FEDERAL CODES & REGULATIONS IN EFFECT.
5. THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO ALL CODES, RULES, REGULATIONS, & REQUIREMENTS OF THE BUILDING OWNER.
6. ALL MECHANICAL COMPONENTS AND EQUIPMENT SHALL BE INSTALLED TO CONFORM WITH ANY APPLICABLE LOCAL SEISMIC REQUIREMENTS.
7. PRIOR TO FABRICATION & INSTALLATION OF ANY MECHANICAL COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
8. VERIFY ALL REQUIRED SERVICE CONNECTIONS, INCLUDING ELECTRICAL CHARACTERISTICS, FOR ALL EQUIPMENT PRIOR TO ORDERING OR FABRICATING MECHANICAL EQUIPMENT AND COMPONENTS.
9. THE SPACE ABOVE CEILINGS IS LIMITED. CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED &/OR INSTALLED. ANY CONFLICTS &/OR CHANGES FOUND DURING INSTALLATION THAT RESULTS FROM THE LACK OF COORDINATION BY THE CONTRACTORS DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL MECHANICAL INFORMATION IS NOT SHOWN ON THE MECHANICAL DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW & USE, WHERE APPROPRIATE, ALL THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. ALL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURAL MEMBERS. STRUCTURAL ELEMENTS SHOWN IN DETAILS MAY OR MAY NOT PERTAIN TO ANY PORTION OF THE BUILDING. COORDINATE ALL MOUNTING REQUIREMENTS WITH ARCHITECTURAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS.
13. ALL MECHANICAL COMPONENTS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER RECOMMENDATIONS.
14. ALL SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER. AIR INLETS & OUTLETS OF SIMILAR TYPES SHALL BE OF THE SAME MANUFACTURER.
15. ANY PART OF THE MECHANICAL INSTALLATION THAT FAILS, IS DEEMED UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EQUIPMENT CHECK-IN, SAFEKEEPING, & DAMAGE.
16. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS & GRILLES.
17. CONTRACTOR SHALL OPERATE INSTALLED &/OR MODIFIED SYSTEMS & DEMONSTRATE ALL ASPECTS OF THE SYSTEM TO THE ENGINEER &/OR OWNER TO PROVE ALL ASSOCIATED SYSTEMS ARE OPERATIONAL.
18. DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAWINGS AT THE PROJECT SITE. ALL CHANGES OR DEVIATIONS IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, & ACCESSORIES SHALL BE RECORDED. THESE REDLINED DRAWINGS SHALL BE GIVEN TO THE ARCHITECT / ENGINEER AFTER THE FINAL INSPECTION IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

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.

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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.

MECHANICAL SHEET INDEX

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Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility
1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2023

MECHANICAL COVER SHEET

M001

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MECHANICAL SPECIFICATIONS

230100 - BASIC MECHANICAL REQUIREMENTS

1. COORDINATE THE LOCATION OF ALL NEW ROOF OPENINGS AND THE LOCATION OF ALL NEW AND RELOCATED ROOF MOUNTED EQUIPMENT WITH THE EXISTING STRUCTURE AND ARCHITECTURAL PLANS PRIOR TO ANY INSTALLATION.

2. V-BELT DRIVES SHALL BE OF FABRIC AND RUBBER CONSTRUCTION. BELT GUARDS SHALL BE PROVIDED FOR ALL EXPOSED BELTS AND DRIVES.

3. PROVIDE 6" CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED EQUIPMENT.

4. PROPERLY LUBRICATE ALL PIECES OF EQUIPMENT BEFORE TURNING THE SYSTEM OVER TO THE OWNER.

5. INSTALL DUCT MOUNTED SUPPLY AND RETURN AIR SMOKE DETECTORS IN ALL ROOFTOP, FAN-COIL, AIR-HANDLING, AND OTHER SUPPLY AIR SYSTEMS, WITH A CAPACITY GREATER THAN 2000 CFM. SMOKE DETECTORS ARE PURCHASED AND WIRED BY THE DIVISION 16 CONTRACTOR.

230548 - VIBRATION ISOLATION AND SEISMIC BRACING

1. ALL MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING MUST BE VIBRATION ISOLATED AND SEISMICALLY BRACED FOR THE SITE SPECIFIC SEISMIC DESIGN CATEGORY AND SEISMIC USE GROUP, IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE IBC, UBC, ASHRAE, AND SMACNA. PROVIDE SEISMIC PRODUCTS BY AMBER-BOOTH OR MASON INDUSTRIES.

2. IN GENERAL, PROVIDE SPRING MOUNTS TO ATTENUATE LOW FREQUENCY SOUND AND VIBRATION AND NEOPRENE PADS TO ATTENUATE HIGH FREQUENCY SOUND AND VIBRATION. SEISMIC BRACING/MOUNTING CAN BE COMBINED WITH VIBRATION ISOLATION AS APPLICABLE.

3. CONTRACTOR MANUFACTURED SEISMIC BRACING/RESTRAINT METHODS ARE NOT ACCEPTABLE. PROVIDE A SIGNED AND STAMPED LETTER FROM A PROFESSIONAL ENGINEER CERTIFYING THAT THE SUPPLIED PRODUCTS ARE CORRECT FOR THE APPLICATION AND THAT THE INSTALLATION IS IN COMPLIANCE WITH ALL APPLICABLE CODES.

230553 - MECHANICAL IDENTIFICATION

1. PIPE MARKERS:
   PLASTIC TAPE: PROVIDE MANUFACTURER'S STANDARD COLOR-CODED PRESSURE-SENSITIVE (SELF ADHESIVE) VINYL TAPE, NOT LESS THAN 3 MILS THICK. 1-1/2" WIDE TAPE MARKERS ON PIPES WITH OUTSIDE DIAMETERS LESS THAN 6" (INCLUDING INSULATION, IF ANY); 2-1/2" WIDE TAPE FOR LARGER PIPES.

2. DUCT MARKERS:
   PROVIDE MANUFACTURER'S STANDARD LAMINATED PLASTIC; COLOR CODED DUCT MARKERS.

3. COLOR:
   COMPLY WITH ANSI A13.1

4. LETTERING:
   MANUFACTURER'S STANDARD PRE-PRINTED NOMENCLATURE WHICH BEST DESCRIBES PIPING OR DUCT SYSTEM IN EACH INSTANCE OR AS SELECTED BY ARCHITECT OR ENGINEER IN CASES OF VARIANCE WITH NAMES AS SHOWN.

5. ARROWS:
   PRINT EACH MARKER WITH ARROWS INDICATING DIRECTION OF FLOW.

6. VALVE TAGS:
   PROVIDE PLASTIC LAMINATE VALVE TAGS: MANUFACTURER'S STANDARD 3/32" THICK ENGRAVED TAGS WITH PIPING SYSTEM ABBREVIATION IN 1/4" HIGH LETTERS AND SEQUENCED VALVE NUMBERS 1/2" HIGH, WITH 5/32" HOLE FOR FASTENER. PROVIDE 1-1/2" SQUARE BLACK TAGS WITH WHITE LETTERING.

7. VALVE TAG FASTERNERS:
   PROVIDE MANUFACTURER'S STANDARD SOLID BRASS CHAIN (WIRE LINK OR BEADED TYPE), OR SOLID BRASS S-HOOKS OF THE SIZED REQUIRED FOR PROPER ATTACHEMENT OF TAGS TO VALVES, AND MANUFACTURED SPECIFICALLY FOR THAT PURPOSE.

230593 - TESTING, ADJUSTING, AND BALANCING

OBTAIN THE SERVICES OF AN INDEPENDENT TESTING AND BALANCING AGENCY TO BALANCE AND ADJUST THE SYSTEM. THIS SHALL BE DONE BY PERSONS FULLY FAMILIAR WITH SYSTEMS OF THIS TYPE. BALANCING SHALL BE DONE IN ACCORDANCE TO AABC OR NEBB STANDARDS. ALL DATA SHALL BE RECORDED AND A REPORT SUBMITTED TO THE ENGINEER PRIOR TO JOB CLOSE OUT.

230700 - MECHANICAL INSULATION

1. PIPE INSULATION TO BE SNAP-ON GLASS FIBER TYPE WITH VAPOR JACKET. SEAL ALL ENDS AND JOINTS TO PROVIDE A COMPLETELY SEALED SYSTEM. ALTERNATIVELY, USE FLEXIBLE UNICELLULAR ASTM 534 TYPE 1 INSULATION. USE 1" THICKNESS FOR PIPE UP TO 2"Ø, AND 1 1/2" FOR PIPE OVER 2"Ø.

2. WRAP ALL SUPPLY AND RETURN DUCTWORK WITH 1-1/2" THICK FOIL FACED FIBERGLASS INSULATION. WRAP INSULATION TIGHTLY ON THE DUCT WITH ALL CIRCUMFERENTIAL JOINTS BUTTED AND LONGITUDINAL JOINTS OVERLAPPED A MIN. OF 2". COVER ALL JOINTS WITH FOIL-REINFORCED "KRAFT" TAPE, 3" WIDE.

3. NO RETURN AIR DUCT INSULATION IS REQUIRED IF THE RETURN AIR PLENUM TEMPERATURE DIFFERENCE IS LESS THAN 10°F.

4. OUTDOOR DUCTWORK EXPOSED TO THE WEATHER SHALL HAVE 2" INSULATION AND SHALL BE FITTED WITH 0.016 EMBOSSED ALUMINUM JACKET POP-RIVETED FOR A TIGHT WEATHERPROOF FIT.

5. SEE 233113 FOR LINED RECTANGULAR DUCTWORK.

233300 - DUCTWORK ACCESSORIES

1. FLEXIBLE DUCTWORK:
   THE FINAL 5 FOOT CONNECTION TO GRILLES AND DIFFUSERS IN LAY-IN CEILINGS, OR TO FLOOR MOUNTED GRILLES, MAY BE MADE WITH FLEXIBLE DUCT, FLEXMASTER TYPE 5M ONLY. ENDS SHALL BE SEALED.

2. SQUARE/RECTANGULAR ELBOWS SHALL BE PROVIDED WITH TURNING VANES.

3. PROVIDE FLEXIBLE CONNECTIONS NOT LESS THAN 4" WIDE CONSTRUCTED OF HEAVY, WATERPROOF, WOVEN PLASTIC COATED GLASS FABRIC AT SUPPLY AND RETURN CONNECTIONS TO FURNACES, AIR HANDLING, ROOFTOP, MAKE-UP AIR OR FAN-COIL UNITS. CORNERS SHALL BE SEWN TIGHT. CONNECTIONS SHALL BE 20 OUNCE VENTFABRICS OR EQUAL.

4. COMBINATION FIRE AND SMOKE DAMPERS OR FIRE DAMPERS IN DUCTWORK THROUGH ALL FLOORS AND FIRE WALLS SHALL BE FURNISHED AND INSTALLED AS REQUIRED TO CONFORM TO THE LATEST NFPA BULLETIN CONCERNING THIS TYPE OF BUILDING AND SHALL BEAR THE U.L. LABEL. DAMPERS, COMPLETE WITH MOUNTING ANGLES, SHALL BE MULTI-BLADE, FUSIBLE LINK, SPRING ACTING WITH 11 GAUGE SLEEVE. FUSIBLE LINK SHALL BE RATED AT 165°F.

5. DUCT MOUNTED BALANCING DAMPERS SHALL BE USED TO CONTROL SUPPLY AIR TO EACH DIFFUSER AND GRILLE. AN OPERATING HEAD SHALL BE PLACED ON THE SIDE OF THE DUCT WITH A POSITIVE LOCKING QUADRANT. DAMPERS SHALL BE PROVIDED IN RETURN AND EXHAUST AIR DUCTS WHERE SHOWN ON DRAWINGS. COORDINATE THE LOCATION OF CEILING ACCESS PANELS.

6. PROVIDE CEILING ACCESS DOORS AT ALL LOCATIONS OF BALANCING DAMPERS, FIRE DAMPERS, FIRE/SMOKE DAMPERS, VALVES, ETC., WHERE THERE IS NOT A LIFT-OUT TYPE CEILING. ACCESS DOORS SHALL BE HINGED OF METAL CONSTRUCTION WITH SCREWDRIVER LATCHES.

7. AT FIRE DAMPERS, A DUCT MOUNTED SHEET METAL HINGED DOOR SHALL BE PROVIDED AND INSTALLED WITH POSITIVE LOCKING HANDLE. WHERE DUCTS ARE INSULATED, COVERS SHALL BE INSULATED.

8. GRAVITY OR BACKDRAFT DAMPERS SHALL BE ALL ALUMINUM CONSTRUCTION, INTERCONNECTED AND BLADED, PRESSURE DROP THROUGH DAMPERS SHALL NOT EXCEED 0.04 INCH W.G.

233713 - GRILLES, DIFFUSER AND LOUVERS

1. ALL GRILLES, DIFFUSERS, AND REGISTERS SHALL BE COMPLETE WITH FRAMES AND RUBBER GASKETS. FINISH FOR ALL REGISTERS, DIFFUSERS, AND GRILLES SHALL BE WHITE.

2. MANUFACTURERS:
   A. KRUEGER
   B. TITUS
   C. PRICE
   D. NAILOR

3. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL LIGHTING LAYOUT, AND ARCHITECTURAL ELEVATIONS.

4. LOUVERS SHALL HAVE MINIMUM FREE AREA AND MAXIMUM PRESSURE DROP AS LISTED IN THE SCHEDULES. LOUVER SHALL HAVE FRAME AND SILLS COMPATIBLE WITH ADJACENT SUBSTRATE AND FIT ACCURATELY FOR WEATHERPROOF INSTALLATION. LOUVERS SHALL BE COMPLETE WITH 1/2" MESH ANODIZED ALUMINUM BIRD SCREEN.

MECHANICAL SPECIFICATIONS

230900 - AUTOMATIC TEMPERATURE CONTROL SYSTEM

FURNISH AND INSTALL A COMPLETE ELECTRONIC AUTOMATIC TEMPERATURE CONTROL SYSTEM, TO PROVIDE THE FOLLOWING FUNCTIONS:

1. BUILDING HVAC CONTROL SYSTEM:
   A. KITCHEN EXHAUST FAN CONTROL:
      ELECTRICAL (DIV. 16) SHALL PROVIDE THE FOLLOWING 120V CONTROL SYSTEM: PROVIDE FOR MANUAL START OF KITCHEN EXHAUST FAN(S) FROM SWITCH ON EXHAUST HOOD. ACTIVATE KITCHEN MAKE-UP AIR SYSTEM WHEN ANY KITCHEN EXHAUST FAN STARTS. PROVIDE SEPARATE DELAY TIMER FOR EXHAUST FAN TO KEEP EXHAUST FAN ENERGIZED FOR 2-HOUR PERIOD (ADJUSTABLE) AFTER MANUAL SWITCH HAS BEEN PLACED IN OFF POSITION. PROVIDE INTERLOCK FROM EACH EXHAUST FAN TO MAKE-UP AIR UNIT, TO MAINTAIN OPERATION OF MAKE-UP UNIT FOR ENTIRE 2 HOUR PERIOD. EXHAUST FAN TO RUN WHEN FIRE ALARM SYSTEM IS ACTIVATED.

   B. KITCHEN MAKE-UP AIR UNIT CONTROL:
      PROVIDE RELAY TO ENERGIZE MAKE-UP AIR UNIT WHEN EXHAUST FAN(S) ARE ENERGIZED. OPEN OUTSIDE AIR DAMPER AND MAINTAIN FIXED DISCHARGE TEMPERATURE OF 72°F (ADJUSTABLE) CONTROLLING HEAT INPUT FROM DISCHARGE AIR CONTROLLER. IF COMPANION FAN IS EQUIPPED WITH DELAY TIMER, MAINTAIN MAKE-UP AIR UNIT IN OPERATION FOR ENTIRE PERIOD. ON A CALL FOR HEATING THE DUCT FURNACE ENTIRE PERIOD. ON A CALL FOR HEATING THE DUCT FURNACE BE OFF. ON A CALL FOR COOLING THE EVAPORATIVE COOLER PUMP SHALL BE CYCLED TO MAINTAIN SPACE TEMPERATURE SETPOINT. WHEN THE FANS ARE OFF, THE DAMPERS SHALL BE CLOSED. SUPPLY FAN SHALL SWITCH OFF WHEN FIRE ALARM SYSTEM IS ACTIVATED.

   C. ROOFTOP HEATING AND AIR CONDITIONING UNITS:
      EACH ROOFTOP UNIT SHALL BE PROVIDED WITH A THERMOSTAT, INSTALLED WHERE SHOWN ON PLANS. FULL ECONOMIZER AND MINIMUM OUTDOOR AIR CONTROL SHALL BE PROVIDED BY THE ROOFTOP MANUFACTURER AS A PART OF THE UNIT.

   D. TOILET EXHAUST FANS:
      SHALL BE ACTIVATED BY THE TOILET ROOM LIGHT SWITCH, OR MOTION SENSOR, OR RUN CONSTANTLY DURING OPERATING HOURS (BY ELECTRICAL).

   E. DISHWASHER EXHAUST FAN:
      ELECTRICAL SHALL PROVIDE THE FOLLOWING 120V CONTROL SYSTEM: PROVIDE MANUAL START OF DISHWASHER HOOD EXHAUST FAN FROM SWITCH ON EXHAUST HOOD.

   F. THERMOSTATS:
      PROVIDE A KEY LOCKING GUARD OR AN ACCESS CODE LOCKOUT.

233113 - METAL DUCTWORK

1. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATION AND PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED BYTHE SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATIONS, (SMACNA).

2. TRANSITION ALL NEW DUCTWORK TO CONNECT TO EXISTING, AS REQUIRED.

3. DUCTWORK SHALL BE GALVANIZED STEEL THROUGHOUT, FABRICATED AND INSTALLED SO THAT NO VIBRATION OR NOISE RESULTS. IT SHALL BE MADE FROM THE BEST GRADE OF GALVANIZED MILLED STEEL SHEETS OF U.S. STANDARD GUASGE AND BE FREE FROM BLISTERS, SLIVERS, AND PITS. ALL SEAMS SHALL BE AIRTIGHT, THE CONSTRUCTION OF ALL DUCTWORK, INCLUDING GAUGES OF METAL, BRACING LAYOUT, ETC., SHALL BE IN ACCORDANCE WITH SMACNA. SLEEVES FOR FIRE DAMPERS AND DUCT SECTIONS FORMING AN EXTENSION OF THE FIRE WALL SHALL BE 10 GAUGE STEEL.

4. SEAL DUCTWORK ACCORDING TO THE FOLLOWING SMACNA DUCT SEALING CLASS:

DUCT LOCATION	DUCT TYPE			
	SUPPLY		EXHAUST	RETURN
	<2in. Wg.	>2in. Wg.		
OUTDOORS	A	A	A	A
UNCONDITIONED SPACES	B	A	B	B
CONDITIONED SPACES	C	B	B	B
(CONCEALED DUCTWORK) CONDITIONED SPACES (EXPOSED DUCTWORK)	A	A	B	B

5. HANGERS FOR DUCTS UP TO 18" IN WIDTH OR DIAMETER SHALL BE PLACED ON NOT MORE THAN 8 FOOT CENTERS. DUCTS 19" AND OVER IN WIDTH OR DIAMETER SHALL BE SUPPORTED ON NOT MORE THAN 4 FOOT CENTERS. DUCT HANGERS SHALL BE CONSTRUCTED OF GALVANIZEDBAND IRON 1-1/8" FOR DUCTS UP TO 36" IN WIDTH OR DIAMETER. HANGERS SHALL EXTEND DOWN SIDES AND A MINIMUM OF 1" UNDER RECTANGULAR DUCTS, AND WRAP COMPLETELY AROUND ROUND DUCTS. ALL DUCTS SHALL BE RIGIDLY SUPPORTED.

6. ALL DUCTWORK SHALL BE CLEANED PRIOR TO THE INSTALLATION OF CEILING AND DIFFUSERS. OPERATE FANS TO BLOW OUT DUCTWORK.

7. RECTANGULAR LOW-PRESSURE SUPPLY AND RETURN AIR DUCTWORK SHALL BE LINED WITH 1" FACED FIBERGLASS INSULATION SECURELY BUTTONED OR LAPPED AND SEALED. INSULATION SHALL BE 1-1/2 POUBLE DENSITY.

8. OUTDOOR DUCTWORK EXPOSED TO THE WEATHER SHALL BE LINED WITH MINIMUM R-5 FACED FIBERGLASS INSULATION SECURELY BUTTONED OR LAPPED AND SEALED, AND SHALL BE FITTED WITH A 0.016 EMBOSSED ALUMINUM JACKET POP RIVETED FOR A WEATHERPROOF FIT.

9. DUCT DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE CLEAR AREA AND SHALL BE INCREASED TO ACCOMODATE INSULATION. DUCT LINER TO BE BY KNAUF GmbH, JOHN-MANSVILLE OR SCHULLER INTERNATIONAL.

10. DUCTOWRK FOR EVAPORATOR COOLERS AND EVAPORATIVELY COOLED MAKE-UP AIR UNITS SHALL BE FABRICATED FROM ALUMINUM SHEETS. ALL SEAMS SHALL BE AIRTIGHT, THE CONSTRUCTION OF ALL DUCTWORK, INCLUDING GAUGES OF METAL, BRACING, LAYOUT, ETC. SHALL BE IN ACCORDANCE WITH SMACNA.

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NJRA Project # 22237.00
Bid Set Mar. 8, 2023

MECHANICAL SPECIFICATIONS

M002

REGISTER - GRILLE- DIFFUSER SCHEDULE

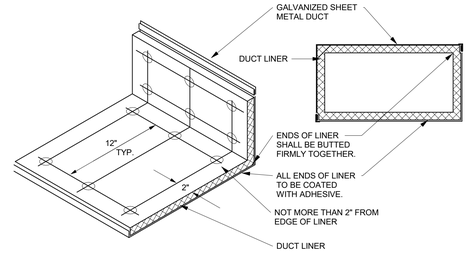
ACCEPTABLE MANUFACTURERS:

KRUEGER
TUTTLE & BAILEY
TITUS
PRICE

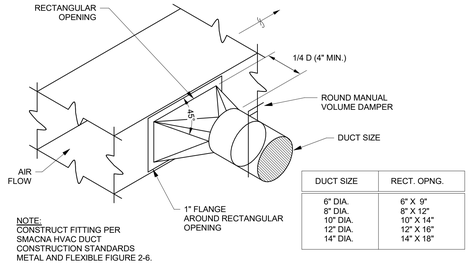
REMARKS:

(1) REGISTERS AND GRILLES SHALL BE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STD 70.
(2) NC VALUES ARE BASED ON OCTAVE BAND SOUND POWER LEVELS MINUS A ROOM ABSORPTION OF 10 dB, RE 10(-12) WATTS.
(3) COORDINATE EXACT COLOR SELECTION WITH OWNER AND ARCHITECT.
(4) EXISTING, MAKE AND MODEL ARE SIMILAR BUT MAY NOT BE EXACT.

LABEL	TYPE	MAX AIR FLOW (CFM)	FACE SIZE	NECK SIZE	BLOW PATTERN	PD (IN-WG)	THROW(S) (FT)	MAX NC	MANUFACTURER	MODEL	REMARKS
(E)EG	EGG CRATE GRILLE	500	12" X 12"	10" Ø	N/A	0.047	N/A	35	PRICE INDUSTRIES	80	ALL
(E)LD	LINEAR SLOT SUPPLY	595	4'-1 SLOT	SEE PLANS	LINEAR	0.240	23-28-40	30	PRICE INDUSTRIES	CFP SERIES	ALL
(E)R-11	PERFORATED RETURN GRILLE	200	12" X 12"	SEE PLANS	N/A	0.231	N/A	30	PRICE INDUSTRIES	PDDR	ALL
(E)R-20	PERFORATED RETURN GRILLE	2690	24" X 24"	SEE PLANS	N/A	0.172	N/A	30	PRICE INDUSTRIES	PDDR	ALL
(E)S-1	SQUARE CONE DIFFUSER	545	24" X 24"	10" Ø	4-WAY	0.122	5-8-12	30	PRICE INDUSTRIES	SCD	ALL
(E)S-2	SQUARE CONE DIFFUSER	235	12" X 12"	6" Ø	4-WAY	0.162	5-8-11	30	PRICE INDUSTRIES	SCD	ALL
R-19	PERFORATED RETURN GRILLE	1040	24" X 24"	SEE PLANS	N/A	0.231	N/A	30	PRICE INDUSTRIES	PDDR	(1)(2)(2)
S-3	SQUARE CONE DIFFUSER	965	24" X 24"	14" Ø	4-WAY	0.131	7-11-16	30	PRICE INDUSTRIES	SCD	(1)(2)(3)



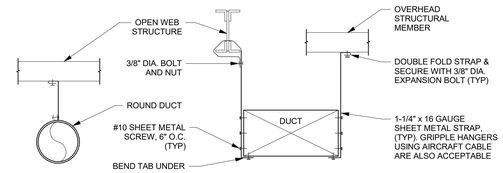
4 DUCT LINER
SCALE: NTS



NOTE:
CONSTRUCT FITTING PER SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE FIGURE 2-6.

DUCT SIZE	RECT. OPNG.
6" DIA.	6" X 9"
8" DIA.	8" X 12"
10" DIA.	10" X 14"
12" DIA.	12" X 16"
14" DIA.	14" X 18"

3 DUCT HIGH EFFICIENCY TAKE-OFF
SCALE: NTS

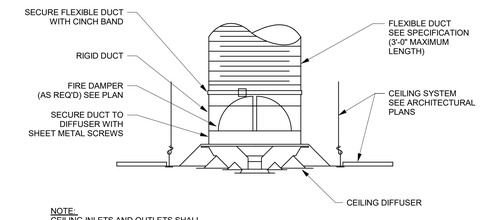


NOTE:
USE SPECIFIED SPACING AND NOT LESS THAN ONE SUPPORT PER BRANCH.

NOTE:
ONE HANGER REQUIRED DUCT 24" DIA. AND SMALLER. TWO HANGERS REQUIRED FOR DUCTS 26" DIA. AND LARGER.

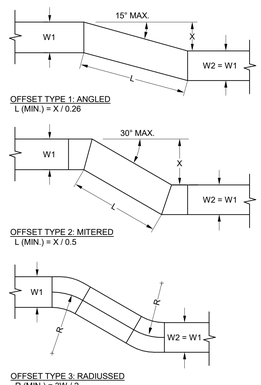
NOTE:
REFER TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE - THIRD EDITION FOR ALL REQUIREMENTS

2 DUCT HANGERS DETAIL
SCALE: NTS



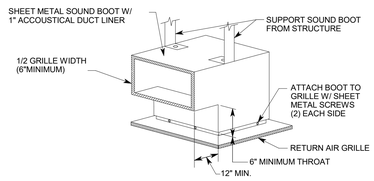
NOTE:
CEILING INLETS AND OUTLETS SHALL BE INDEPENDENTLY SUPPORTED.

1 CEILING DIFFUSER LAY-IN
SCALE: NTS



NOTES:
1. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.
2. ALL OFFSETS SHOWN ON DRAWINGS MADE BE MADE WITH ANY OF THE 3 OFFSET TYPES ABOVE.

6 DUCT OFFSETS
SCALE: NTS



5 RETURN AIR GRILLE W/ SOUND BOOT
SCALE: NTS

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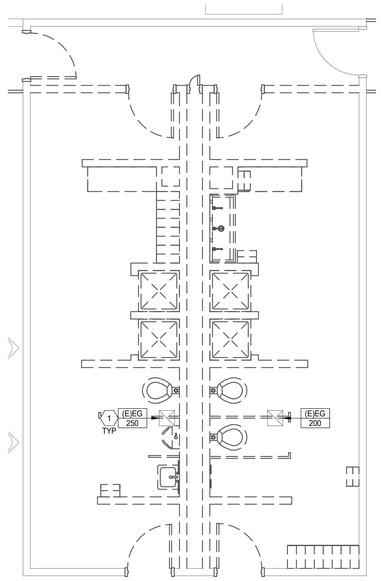
Intermountain Healthcare
Staff Entrance and Toilets Remodel at
Central Laundry Facility

1180 West 2600 South
Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2023

MECHANICAL SCHEDULES AND DETAILS

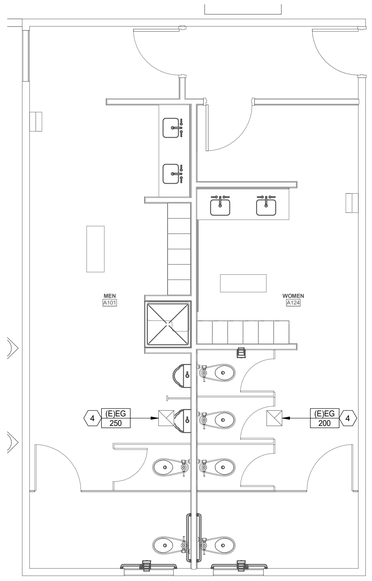
M601



1 LEVEL 1 TOILET AREA MECHANICAL DEMOLITION PLAN

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

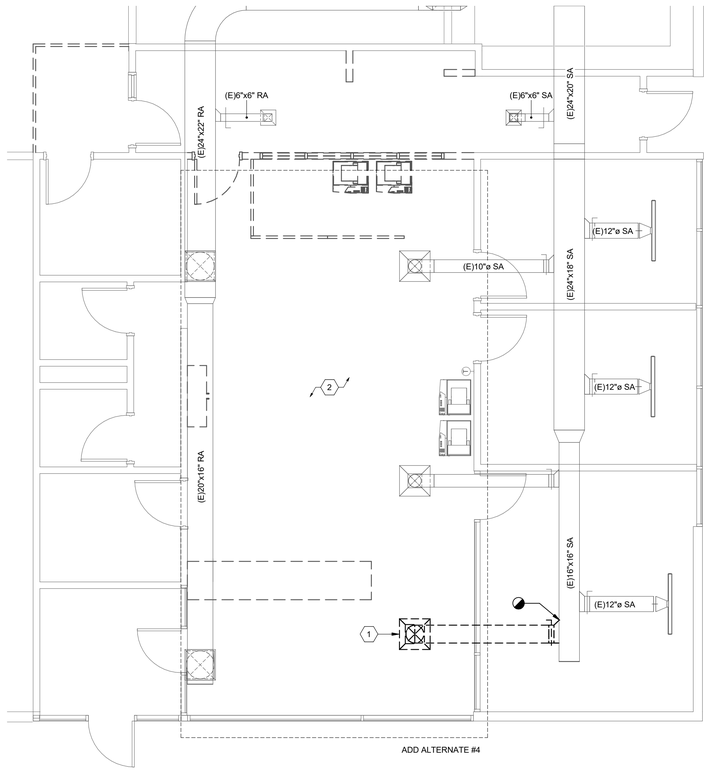
NORTH



2 LEVEL 1 TOILET AREA MECHANICAL PLAN

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

NORTH

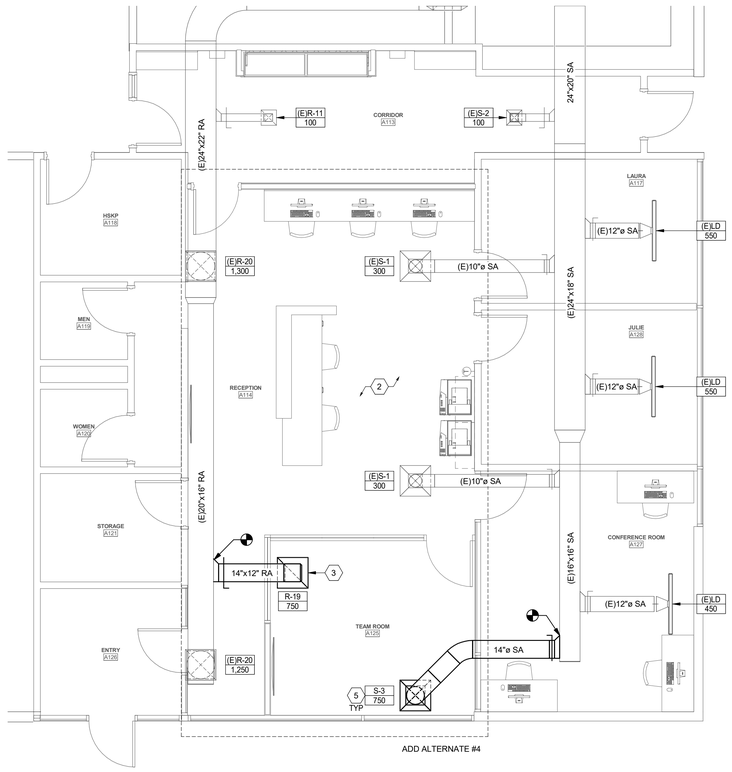


ADD ALTERNATE #4

3 LEVEL 1 RECEPTION AND STAFF ENTRANCE AREA MECHANICAL DEMO PLAN

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

NORTH



ADD ALTERNATE #4

4 LEVEL 1 RECEPTION AND STAFF ENTRANCE AREA MECHANICAL PLAN

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

NORTH

SHEET KEYNOTES

1. REMOVE, CLEAN, AND SALVAGE EXISTING DIFFUSERS AND GRILLES. BROKEN OR DAMAGED DIFFUSERS AND GRILLES ARE TO BE REPLACED WITH LIKE-IN KIND.
2. CONTRACTOR TO PROVIDE A PRE-CONSTRUCTION TEST OF THE AIRFLOWS FOR EACH DIFFUSER, GRILLE, AND EXHAUST GRILLE. (EXHAUST, SUPPLY, AND RETURN SHOULD BE SPECIFICALLY DELINEATED IN THE REPORT). SEND REPORT TO DESIGN TEAM FOR REVIEW PRIOR TO DEMOLITION, PROCUREMENT, AND OR CONSTRUCTION.
3. PROVIDE RETURN GRILLE AND EXTEND DUCT TO EXISTING MAIN. ASSUMED LENGTH OF DUCT IS APPROXIMATELY 8'. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO BALANCE RESTROOM EXHAUST TO FLOW RATE INDICATED.
5. CONTRACTOR TO BALANCE SUPPLY DIFFUSERS AND GRILLES TO FLOW INDICATED ON MECHANICAL PLAN.

GENERAL SHEET NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE OWNER OF ANY DISCREPANCY IMMEDIATELY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS.

   ADDITIONAL COSTS WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS AND FOR FAILING TO REPORT ANY DISCREPENCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS.

   CONTRACTOR TO PROVIDE A PRELIMINARY AIRFLOW TEST FOR THE ENTIRE SCOPE AREA PRIOR TO DEMOLITION WORK. PROVIDE COPY TO ENGINEER AND ARCHITECT FOR REVIEW.
2. ALL RETURN DUCTWORK TO BE ACCOUSTICALLY LINED.
3. LOUVERED FACE RETURNS ONLY.
4. ALL EXPOSED DUCTWORK TO BE SPIRAL ROUND WITH CLEAN JOINTS. EXPOSED DUCTING WILL NOT BE PAINTED. USE SLIP JOINTS TO SEAL EXPOSED DUCT SECTIONS TOGETHER (SURE SEAL GASKET OR OTHER SIMILAR SLIP JOINT).
5. FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET.
6. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
7. GRILLES AND DUCTWORK ARE SIZED INDEPENDENTLY. THE NECK SIZE OF GRILLES MAY NOT MATCH THE ASSOCIATED DUCT SIZE. PROVIDE TRANSITION TO GRILLES AS NECESSARY.
8. PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH BRANCH DUCT FOR BALANCING. INCLUDING SUPPLY, RETURN, AND EXHAUST.
9. PROVIDE REMOTE CABLE OPERATED DAMPERS FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE.
10. GC TO HIRE NEBB CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. TAB CONTRACTOR SHALL VERIFY THE OUTSIDE AIR AT EACH RTU IS AS SCHEDULED. FOLLOW PROCEDURES AS LAID FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS.
11. GREASE DUCT SERVING TYPE I HOODS SHALL BE 16 GAGE STEEL DUCT WITH TWO LAYERS OF FIRE WRAP TO PROVIDE ZERO INCH CLEARANCE TO COMBUSTIBLE. DIMENSIONS SHOWN ARE INSIDE CLEAR DIAMETER. GREASE DUCT REQUIRES AN ADDITIONAL 6" FROM DIMENSION SHOWN. FIELD VERIFY CLEARANCES PRIOR TO ORDERING. A FIRE RATED CHASE OR FACTORY BUILT UL 1978 APPROVED GREASE DUCT ARE APPROVED SUBSTITUTES TO GREASE DUCT. GREASE DUCT TO SLOPE 1/4" PER FOOT.
12. PROVIDE CAPTURE & CONTAINMENT TESTS PRIOR TO FINAL INSPECTION AND GIVE RESULTS TO BUILDING DEPARMTENT.
13. COORDINATE ALL AIR DEVICE LOCATIONS WITH REFLECTED CEILING PLANS AND ELECTRICAL DRAWINGS.
14. ALL RTU'S, MAU'S, HOODS, EF'S AND DIFFUSERS MUST BE BALANCED TO THE VALUES INDICATED ON THE FLOOR PLANS. PROVIDE BALANCE REPORT TO ENGINEER PRIOR TO PROJECT CLOSEOUT.
15. CONTRACTOR SHALL PROVIDE SUBMITTALS ON ITEMS LISTED IN MECHANICAL EQUIPMENT LIST TO THE ENGINEER FOR REVIEW PRIOR TO THE ORDER, PURCHASE OR INSTALLATION.
16. CONTRACTOR SHALL USE SMACNA DUCT CONSTRUCTION STANDARDS FOR SHEET METAL DUCTS. ALL DUCTWORK (UNLESS OTHERWISE NOTED ON FLOOR PLANS) SHALL BE CONSTRUCTED OF 1.5" W.C. SEAL CLASS "A".
17. CONTRACTOR SHALL FIELD VERIFY ALL MECHANICAL ITEMS PRIOR TO STARTING NEW WORK. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS.
18. ALL TAKE-OFF'S THROUGHOUT THE ENTIRE BUILDING SHALL BE HIGH EFFICIENCY TAKE-OFF'S (HET's). NO EXCEPTIONS TAKEN.
19. PIPING AND DUCTWORK SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING AND DUCTWORK WITHIN 12" FROM SUPPORTING STRUCTURE.
20. HVAC DUCTS WITH A DISTRIBUTED WEIGHT GREATER THAN 20LBS/FT, OR THAT HAVE CROSS SECTIONAL AREA 6 SQ FT OR GREATER REQUIRE SEISMIC RESTRAINT. IN ADDITION, DUCT CONVEYING HAZARDOUS MATERIAL, PIPES (OTHER THAN NATURAL GAS, MEDICAL GAS, STEAM OR HIGH PRESSURE HOT WATER PIPING) THAT ARE 3" DIAMETER TRADE SIZE OR GREATER THAT ARE SUSPENDED MORE THAN 12" FROM SUPPORTING STRUCTURE REQUIRE SEISMIC RESTRAINTS. PIPES WITH A DIAMETER OF 3" TRADE SIZE OR GREATER SUSPENDED LESS THAN 12" FROM SUPPORT THAT EXCEED A TOTAL LOAD SUPPORTED BY A ANY SINGLE VERTICAL ROD IN EXCESS OF 100 POUNDS REQUIRE SEISMIC RESTRAINT (ALL OTHER DUCTWORK AND PIPING IS EXEMPT FROM SEISMIC BRACING). CONTRACTOR SHALL BE RESPONSIBLE FOR SEISMICALLY RESTRAINING SUCH DUCTS & PIPES, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND PRODUCT DATA BASED ON THE NONSTRUCTURAL SEISMIC BRACING NOTES, DRAWINGS AND DETAILS PROVIDED IN THE CONTRACT DOCUMENTS FOR REVIEW BY SEISMIC BRACING ENGINEER.
21. ALL THERMOSTAT LOCATIONS ON THE PLANS SHALL BE COORDINATED WITH FURNITURE PLANS AND VERIFIED WITH OWNER PRIOR TO ROUGH IN. IF THERMOSTAT NEEDS TO BE INSTALLED IN A LOCATION OTHER THAN SHOWN ON THE PLANS, THIS CONTRACTOR SHALL MAKE ADJUSTMENTS AT NO ADDITIONAL COST.
22. THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH KITCHEN EQUIPMENT, ELECTRICAL, ARCHITECTURAL AND BUILDING STRUCTURE.
23. DUCTWORK AND PIPE ROUTING AS SHOWN ON DRAWINGS IS DIAGRAMMATIC AND IS NOT TO BE SCALED. WHERE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS ARE REQUIRED FOR COORDINATION OF WORK, THIS CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIONAL COSTS.
24. M.C. MUST PROVIDE AND INSTALL ALL ACCESS DOORS FOR VALVES, FLOW METERS, ETC. COORDINATE LOCATION WITH GENERAL CONTRACTOR. ACCESS PANELS SHALL NOT BE VISIBLE TO CUSTOMERS AND SHALL BE PAINTED TO MATCH THE WALL IN WHICH THEY ARE INSTALLED.
25. WHERE THE JURISDICTION REQUIRES, CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEISMIC RESTRAINT AND SUPPORT ENGINEERED BY A LICENSED STRUCTURAL ENGINEER. PROVIDE DESIGN DRAWINGS TO AUTHORITY HAVING JURISDICTION AND MECHANICAL ENGINEER FOR REVIEW.
26. DUCTWORK SHALL BE INSULATED AS FOLLOWS:

	WRAPPED/LINED	R-VALUE
HIGH PRESSURE DUCT:	WRAPPED	R-6
ROUND DUCT:	WRAPPED	R-6
LOW PRESS. RECT. DUCT:	LINED	R-6
ROUND FLEX. DUCT(MAX 6'):	N/A	R-6
EXTERIOR DUCT:	DOUBLE WALL	R-12

ALL INSULATION TO MEET NFPA 90 PER UL 181-CLASS 1. NO. DUCTBOARD ALLOWED.

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Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility
1180 West 2600 South
Woods Cross, UT 84054

N.JRA Project # 22237.00
Bid Set Mar. 8, 2023

ENLARGED MECHANICAL PLANS

M112A

SYMBOL LEGEND - MISC

REFERENCE LINES AND SYMBOLS

SYMBOL	DESCRIPTION
- ---	VIEW OR DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE VIEW OR DETAIL IS SHOWN.
- ---	ELEVATION OR SECTION INDICATOR: # INDICATES VIEW NUMBER, SHEET INDICATES DRAWING SHEET WHERE VIEW IS SHOWN.
NAME	ROOM / SPACE INDICATOR
#	KEYNOTE INDICATOR
#	REVISION INDICATOR
XX-##	PLUMBING FIXTURE INDICATOR
XX-##	EQUIPMENT INDICATOR
TAG / CFM	REGISTER, GRILLE, OR DIFFUSER INDICATOR
OR	BREAKLINE
MATCH LINE SEE XX/XXX	MATCHLINE INDICATOR
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE
	NEW CONNECTION TO EXISTING
	POINT OF DEMOLITION

SYMBOL LEGEND - PIPING

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

SYMBOL	DESCRIPTION
	HOSE BIBB / WALL HYDRANT
	CLEANOUT TO GRADE
	FLOOR CLEANOUT
	WALL CLEANOUT
	FLOOR DRAIN
	FLOOR SINK

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.

PIPING LEGEND

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

ABBREVIATION	DESCRIPTION
——160——	160°F HOT WATER
——160R——	160°F HOT WATER RETURN / CIRCULATION
——180——	180°F HOT WATER
——180R——	180°F HOT WATER RETURN / CIRCULATION
——AW——	ACID WASTE
——AV——	ACID VENT
——C02——	CARBON DIOXIDE
——CWV——	COMBINATION WASTE AND VENT
——CA——	COMPRESSED AIR
——CD——	CONDENSATE DRAIN
——DCW——	DOMESTIC COLD WATER
——DHW——	DOMESTIC HOT WATER
——DHWR——	DOMESTIC HOT WATER RECIRCULATION
——DI——	DEIONIZED WATER
——DSW——	DOMESTIC SOFT WATER
	DEMOLISHED PIPING
——FP——	FIRE PROTECTION
——FOR——	FUEL OIL RETURN
——FOS——	FUEL OIL SUPPLY
——FOV——	FUEL OIL VENT
——GW——	GREASE WASTE
——HPC——	HIGH PRESSURE CONDENSATE
——MPC——	MEDIUM PRESSURE CONDENSATE
——LPC——	LOW PRESSURE CONDENSATE
——ICW——	INDUSTRIAL COLD WATER
——IHW——	INDUSTRIAL HOT WATER
——IW——	IRRIGATION WATER
——LPG——	LIQUID PROPANE GAS
——MA——	MEDICAL AIR
——NG——	NATURAL GAS
——NO——	NITROUS OXIDE
——O——	OXYGEN
——PC——	PUMPED CONDENSATE
——RW——	RAINWATER / STORM DRAIN
——SRW——	SECONDARY RAINWATER / STORM DRAIN
——SS——	SANITARY SEWER
——VAC——	VACUUM
——V——	VENT

SYMBOL LEGEND - PIPING

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

SYMBOL	DESCRIPTION
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTOMATIC 2-WAY VALVE
	AUTOMATIC 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI VALVE
	BALANCING OR PLUG COCK
	FLOW SETTER
	EXPANSION VALVE
	GAS COCK
MAV	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	PIPE REDUCER
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEGREE ELBOW UP
	90 DEGREE ELBOW DOWN
	90 DEGREE TEE UP
	90 DEGREE TEE DOWN
	PIPE UNION
	PIPE CAP
	PIPE ANCHOR
	FLOAT AND THERMOSTATIC TRAP

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

(E)	EXISTING
(F)	FUTURE
AC	AIR CONDITION(-ING,-ED)
APD	AIR PRESSURE DROP
BD	BALANCING DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU/HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
DP	DEPTH, DEEP, OR DROP IN PRESSURE
EA	EXHAUST AIR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
ENT	ENTERING
EVAP	EVAPORAT(-E, -ING, -ED, -OR)
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERNAL
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HG	MERCURY
HP	HORSEPOWER
HR	HOUR
HTG	HEATING
HZ	HERTZ (FREQUENCY)
IN	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LH	LATENT HEAT
LRA	LOCKED ROTOR AMPS
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MFR	MANUFACTUR(-ER, -ED)
NC	NORMALLY CLOSED OR NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OZ	OUNCE
PD	PRESSURE DROP OR DIFFERENCE
PG	PROPOLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
RA	RETURN AIR
RECIRC	RECIRCULATE (-ER, -ED, -ING)
REFR	REFRIGERATION
REQD	REQUIRED
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SCFM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFT COLD WATER
SH	SENSIBLE HEAT
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
SW	SOIL, WASTE
TA(R)	TRANSFER AIR (RETURN)
TA(S)	TRANSFER AIR (SUPPLY)
TD	TEMP. DROP OR DIFF.
TEMP	TEMPERATURE
TOT	TOTAL
TSTAT	THERMOSTAT
V	VOLT, VOLTAGE OR VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VTR	VENT THROUGH ROOF
WB	WET BULB TEMP
WC	WATER COLUMN
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
WTR	WATER

PLUMBING GENERAL NOTES

1. THE PLUMBING DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT AND EXTENT OF THE PLUMBING SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.
2. THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
3. THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT.
4. THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS OF THE BUILDING OWNER.
5. PRIOR TO FABRICATION AND INSTALLATION OF ANY PLUMBING COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
6. ALL PLUMBING INFORMATION IS NOT SHOWN ON THE PLUMBING DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW AND USE, WHERE APPROPRIATE, ALL THE PLUMBING DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE PLUMBING SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. ANY PART OF THE PLUMBING INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
9. PROVIDE PROPER PROVISIONS FOR EXPANSION, CONTRACTION, OR MOVEMENT OF ALL PIPING.
10. PROVIDE LARGE ENOUGH PIPE SLEEVES THROUGH WALL OR FLOOR TO ALLOW FOR ANTICIPATED DIFFERENTIAL MOVEMENT.
11. ALL PIPING SHALL BE SUPPORT WITH CLEVIS HANGERS (MSS TYPE 1). PERFORATED METAL STRAPS OR PLASTIC STRAPPING (PLUMBER TAPE) SHALL NOT BE USED TO SUPPORT OR BRACE ANY PIPE.
12. PROVIDE PIPE HANGERS WITHIN 18-INCHES OF ALL CHANGES OF DIRECTION.
13. PROVIDE SWAY BRACING FOR ALL PIPING 4" AND LARGER AT ALL CHANGES IN DIRECTION GREATER THAN 45-DEGREES.
14. ALL STEEL CLEVIS HANGERS USED TO SUPPORT COPPER PIPING SHALL BE COPPER OR PLASTIC COATED.
15. COPPER PIPING SHALL NOT COME IN CONTACT WITH FIRE TREATED LUMBER. PROVIDE ½" THICK SLIP-ON CLOSED CELL INSULATION WHERE COPPER PIPING IS ADJACENT TO FIRE TREATED LUMBER. CLOSED CELL INSULATION SHALL EXTEND A MINIMUM OF 1-1/2" PAST LUMBER.
16. ALL EXPOSED PIPING SHALL BE INSTALLED IN A NEATLY ARRANGED MANNER PARALLEL TO THE BUILDING STRUCTURE.
17. ALL EXPOSED DOMESTIC WATER PIPE IN OCCUPIED SPACES SHALL BE POLISHED CHROME PLATED.
18. ALL EXPOSED DRAINAGE PIPING IN OCCUPIED SPACES INCLUDING TRAPS UNDER SINKS SHALL BE POLISHED CHROME PLATED.
19. DRAWINGS SHOW GENERAL ARRANGEMENT OF THE DRAIN WASTE AND VENT SYSTEM WITH THE REQUIRED CLEANOUTS. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL CLEANOUTS AS REQUIRED BY THE PLUMBING CODE.
20. ALL SANITARY DRAINAGE SYSTEM PIPING 3" AND LARGER SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/8" PER FOOT.
21. ALL SANITARY DRAINAGE SYSTEM PIPING SMALLER THAN 3" SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/4" PER FOOT.
22. SLOPE VENT SYSTEM TOWARDS DRAINAGE SYSTEM.
23. SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.
24. ALL EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE JOB SITE ELEVATION.
25. FIXTURE AND EQUIPMENT MODEL NUMBERS SHOWN IN PLUMBING FIXTURE SCHEDULE AND PLUMBING EQUIPMENT SCHEDULE ARE SHOWN TO ESTABLISH THE TYPE OF PRODUCT THAT SHALL BE USED. THE SELECTED PRODUCT SHALL MEET THE SCHEDULED PERFORMANCE DATA SHOWN ON THE SCHEDULE EVEN IF A DIFFERENT MODEL IS SUPPLIED THAT IS DIFFERENT THAN THAT SCHEDULED.
26. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY FITTINGS, TRANSITIONS, VALVES AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
27. SEE "PLUMBING FIXTURE SCHEDULE" FOR INDIVIDUAL TRAPS, WASTE, VENT, AND DOMESTIC WATER PIPING FOR INDIVIDUAL FIXTURES.
28. ALL PLUMBING EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY.
29. FIXTURES, EQUIPMENT AND PIPING INSTALLATION SHALL MEET NSF STANDARDS.

PLUMBING SHEET INDEX

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NJRA Project # 22237.00
Bid Set Mar. 8, 2023

PLUMBING
COVER SHEET

P001

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PLUMBING SPECIFICATIONS

220100 - BASIC PIPING MATERIALS & METHODS

1. CORE CUT ALL PIPE PENETRATION OF EXISTING MASONRY OR CONCRETE WALLS AND FLOORS. SLEEVE ALL PENETRATIONS THROUGH NEW WALLS AND FLOORS. SEAL ALL PENETRATIONS WATER TIGHT WITH SILICONE SEALANT. USE FIRE RATED SEALANT (3M "FIRE BARRIER" OR EQUAL) FOR 1 HOUR OR 2 HOUR PENETRATIONS.
2. CAULK AROUND ALL PIPING THAT PASSES THROUGH FIRE-RATED PARTITIONS WITH A NON-HARDENING CAULKING SIMILAR TO 3M "FIRE BARRIER".
3. SEAL ALL PIPING THROUGH WALLS AIR TIGHT.

220548 - VIBRATION ISOLATION AND SEISMIC

1. ALL PLUMBING EQUIPMENT AND PIPING MUST BE VIBRATION ISOLATED AND SEISMICALLY BRACED FOR THE SITE SPECIFIC SEISMIC DESIGN CATEGORY AND SEISMIC USE GROUP, IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE BUILDING CODES AND ASHRAE. PROVIDE SEISMIC PRODUCTS BY AMBER-BOOTH OR MASON INDUSTRIES.
2. IN GENERAL, PROVIDE SPRING MOUNTS TO ATTENUATE LOW FREQUENCY SOUND AND VIBRATION. PROVIDE NEOPRENE PADS TO ATTENUATE HIGH FREQUENCY SOUND.
3. VIBRATION: SEISMIC BRACING/MOUNTING CAN BE COMBINED WITH VIBRATION ISOLATION AS APPLICABLE.
4. CONTRACTOR MANUFACTURED SEISMIC BRACING/RESTRAINT METHODS ARE NOT ACCEPTABLE.
5. PROVIDE A SIGNED AND STAMPED LETTER FROM A PROFESSIONAL ENGINEER CERTIFYING THAT THE SUPPLIED PRODUCTS ARE CORRECT FOR THE APPLICATION AND THAT THE INSTALLATION IS IN COMPLIANCE WITH ALL APPLICABLE CODES.

220719 - INSULATION

1. PIPE INSULATION: SNAP-ON GLASS FIBER TYPE WITH VAPOR JACKET. SEAL ALL ENDS AND JOINTS TO PROVIDE A COMPLETELY SEALED SYSTEM. ALTERNATIVELY, FOR INTERIOR WATER PIPING, USE FLEXIBLE UNICELLULAR ASTM 534 TYPE 1 INSULATION. USE 1" THICKNESS FOR PIPE UP TO 2"∅ AND 1-1/2" FOR PIPE OVER 2"∅.
2. PROVIDE ADA COMPLIANT FIXTURES WITH SNAP ON ADA ARTICLE 4.19 22FF COMPLIANT WHITE INSULATION. TRUEBRO LAV GUARD, BASIN GUARD OR LAV SHIELD.

221116 - WATER DISTRIBUTION PIPING

1. UNDERGROUND WATER PIPING:

   2" AND SMALLER:
   ASTM 88 TYPE "K" COPPER WITH A MINIMUM NUMBER OF SOLDERED JOINTS. USE B95-5 TIN ANTIMONY COPPER SOLDER.

   2-1/2" AND LARGER:
   PVC AWWA 900 CLASS 100 WITH SOLVENT CEMENTED JOINTS, OR PB PLASTIC PIPE ASTM D3309 SDR 11 WITH HEAT FUSION JOINTS.

2. NO TYPE "M" OR "DWV" COPPER IS TO BE USED IN THIS PROJECT.
3. ALL ABOVE GROUND HOT AND COLD WATER PIPING:
   ASTM B 88 TYPE "L" COPPER, WITH WROUGHT COPPER FITTINGS AND SOLDERED WITH 95-5 TIN-ANTIMONY SOLDER.
4. INSTALL PIPE HANGERS WITH THE FOLLOWING MINIMUM ROD SIZES AND MAXIMUM SPACING. UPON COMPLETION OF HANGER INSTALLATION, ALL ADJUSTMENTS HAVING THE POSSIBILITY OF TURNING SHALL BE LOCKED SECURELY IN PLACE BY DOUBLE NUTTING AT THE HANGER ROD ATTACHMENT TO THE STRUCTURE, AND AT THE PIPE HANGER.

NOM. PIPE SIZE-INCHES	MAX SPAN-FT.	MIN. ROD SIZE-INCHES
1	7	3/8
1-1/2	9	3/8
2	10	3/8
3	12	1/2
4	14	5/8
6	17	3/4

5. ALL PIPE HANGERS AND EQUIPMENT SUPPORTS SHALL BE LOCATED A MINIMUM DISTANCE OF 2" FROM ANY REFRIGERANT PIPE.
6. ALL PLUMBING FIXTURES CONNECTED TO A POTABLE WATER SYSTEM WITH HOSE CONNECTIONS ON THE OUTLET SIDE AND OWNER FURNISHED EQUIPMENT WITH DIRECT CONNECTIONS, SHALL BE PROVIDED WITH BACKFLOW PREVENTION.

221316 - DRAINAGE AND VENT SYSTEMS

1. UNDERGROUND BUILDING DRAIN PIPE AND FITTINGS:
   A. NO HUB ABS OR PVC PLASTIC PIPE AND FITTINGS PER ASTM D2661 WITH ASTM D2235 SOLVENT
      OR
   B. ASTM A74 SERVICE WEIGHT, HUB AND SPIGOT CAST IRON SOIL PIPE, OR ASTM A888 (OR CISPI 301) HUBLESS CAST IRON SOIL PIPE WITH ASTM C564 HEAVY DUTY SHIELDED STAINLESS STEEL COUPLINGS.

      NO ASTM D2729 PIPE SHALL USED UNDERGROUND.

2. ABOVE GROUND SANITARY DRAINAGE AND VENT PIPING, IN ALL AREAS EXCEPT AIR PLENUMS AND EXCEPT IN A FIRE RATED BUILDING, SHALL BE ABS TYPE DWV PLASTIC PIPE AND FITTINGS PER ASTM D2661 WITH ASTM D2255 SOLVENT, OR PVC PLASTIC PIPE AND FITTINGS PER ASTM D2665 WITH ASTM D2564 SOLVENT, OR SERVICE WEIGHT, NO HUB CAST IRON COUPLED PIPE AND FITTINGS WITH COMPRESSION TYPE NEOPRENE GASKETS AND STAINLESS STEEL BANDS.
3. FORCE SEWER MAINS UP TO 4" SHALL BE TYPE L HARD COPPER TUBE WITH WROUGHT COPPER PRESSURE FITTINGS AND SOLDERED JOINTS, OR DUCTILE IRON PIPE AND FITTINGS WITH MECHANICAL JOINTS.
4. ALL SANITARY DRAINAGE AND VENT PIPING INSIDE AIR PLENUMS AND ANYWHERE IN A FIRE RATED BUILDING SHALL BE NO HUB SERVICE WEIGHT CAST IRON COUPLED PIPE AND FITTINGS WITH COMPRESSION TYPE NEOPRENE GASKETS AND STAINLESS STEEL BANDS. ASTM B306 COPPER PIPE MAY BE USED WITH SOLDERED JOINTS FOR PIPE 3" AND SMALLER.
5. ABOVE GROUND ROOF DRAIN LINES, EXCEPT IN AIR PLENUMS AND ANYWHERE IN A FIRE RATED BUILDING, SHALL BE ABS TYPE DWV PLASTIC PIPE AND FITTINGS PER ASTM D2661 WITH ASTM D2255 SOLVENT, OR PV C PLASTIC PIPE PER ASTM D2665 WITH ASTM D2564 SOLVENT.
6. INSTALL SANITARY DRAIN LINES 2-1/2" AND LESS WITH A SLOPE OF 2%. INSTALL SANITARY DRAIN LINES 3"-6" WITH A SLOPE OF NOT LESS THAN 1%.
7. CLEANOUTS:
   A. FINISHED WALL CLEANOUTS:
      SMITH FIGURE 4472 COMPLETE WITH CAST BRONZE TAPER THREADED PLUG, STAINLESS STEEL COVER AND SCREW.
   B. FLOOR CLEANOUTS (UNFINISHED AREAS):
      SMITH FIGURE 4223 DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORIATED SECURED CAST IRON TOP, TAPER THREADED BRONZE PLUG AND SPIGOT OUTLET.
   C. FINISHED FLOOR CLEANOUTS (CONCRETE FLOORS):
      SMITH FIGURE 4023 DUCO CAST IRON CLEANOUT WITH ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP, TAPER THREADED CAST BRONZE PLUG AND SPIGOT OUTLET.
   D. FINISHED FLOOR CLEANOUTS (CARPETED FLOORS):
      SMITH FIGURE 4023-Y SAME AS CONCRETE FLOORS WITH CARPET MARKER.
   E. FINISHED FLOOR CLEANOUTS (TILE FLOORS):
      SMITH FIGURE 4163 DUCO CAST IRON CLEANOUT WITH SQUARE ADJUSTABLE SECURED NICKEL BRONZE TOP WITH 1/8" RECESS, TAPER THREADED BRONZE PLUG AND SPIGOT OUTLET.
   F. EXTERIOR CLEANOUTS (CLEANOUT TO GRADE):
      SMITH FIGURE 4253 DUCO CAST IRON CLEANOUT AND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE, TAPER THREADED BRONZE PLUG AND SPIGOT OUTLET.
8. FLOOR DRAINS:
   A. D-1 FLOOR DRAIN:
      SMITH FIGURE 2010-BP CAST IRON BODY AND FLASHING COLLAR WITH PROTECTIVE CAP AND SQUARE NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED SQUARE HOLE GRATE, AND TRAP PRIMER CONNECTION.
   B. D-2 MECHANICAL ROOM DRAIN:
      SMITH FIGURE 2110-NB MEDIUM DUTY FLOOR DRAIN. CAST IRON BODY AND FLASHING COLLAR WITH NICKEL BRONZE BAR GRATE.

PLUMBING SPECIFICATIONS

224213 - PLUMBING FIXTURES

1. PROVIDE AND INSTALL CARRIERS AS REQUIRED FOR FLOOR OR WALL MOUNTED PLUMBING FIXTURES. INSTALL ALL FIXTURES WITH ACCESSORIES AS REQUIRED TO PROVIDE A COMPLETE, WORKABLE INSTALLATION.
2. PLUMBING FIXTURES SHALL INCLUDE COMPRESSION STOPS ABOVE FLOOR IN SUPPLIES TO ALL FIXTURES AND A MINIMUM 17 GAUGE P-TRAP.
3. ALL LAVATORIES AND HAND SINKS WILL HAVE A COMBINATION FAUCET OR PREMIXING FAUCET CAPABLE OF SUPPLYING WARM WATER FOR A MINIMUM OF 10 SECONDS.
4. ALL JANITORIAL SINK FAUCETS MUST BE PROVIDED WITH AN APPROVED BACKFLOW PREVENTION DEVICE.
5. FLOOR DRAINS AND FLOOR SINKS ARE SHOWN IN THE APPROXIMATE LOCATION. COORDINATE FINAL LOCATION WITH EQUIPMENT AND DRAINAGE REQUIREMENTS. PROVIDE BLOCKOUTS AS NECESSARY.

DEFINITIONS

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.

APPROVE: 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 TO MAKE THE ITEM FULLY OPERATIONAL."

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.

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Intermountain Healthcare
Staff Entrance and Toilets Remodel at Central Laundry Facility

1180 West 2600 South
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NJRA Project # 22237.00
Bid Set Mar. 8, 2023

PLUMBING SPECIFICATIONS

P002

WATER HAMMER ARRESTER SCHEDULE

ACCEPTABLE MANUFACTURERS:	NOTES:
SIOUX CHIEF "HYDRA-ARRESTER" MIFAB "MWH" PPP "SC" WATTS LF02	(1) ANSI / ASSE 1010 LISTED (2) LEAD FREE CONSTRUCTION (3) COPPER TUBE BODY; POLY PISTON, EDPM O-RING (4) MIP THREADED INLET

SYMBOL	INLET SIZE (INCHES)	PDI SYMBOL	CAPACITY (DFU)	BASIS OF DESIGN MANUFACTURER & MODEL
WHA-A	1/2	A	1-11	SIOUX CHIEF 652-A
WHA-B	3/4	B	12-32	SIOUX CHIEF 653-B
WHA-C	1	C	22-60	SIOUX CHIEF 654-C
WHA-D	1	D	61-113	SIOUX CHEIF 655-D
WHA-E	1	E	114-154	SIOUX CHIEF 656-E
WHA-F	1	F	155-330	SIOUX CHIEF 657-F

SANITARY SEWER DEMAND

BASIS FOR DESIGN	
2018 INTERNATIONAL PLUMBING CODE - MINIMUM SLOPE = 1/8" PER FOOT	4"
CHAPTER 7 - SANITARY DRAINAGE- REQUIRED PIPE SIZE =	
TABLE 710.1(1) - BUILDING DRAINS AND SEWERS - 180 DFU'S PERMITTED ON MAIN	

EQUIPMENT	QUANTITY	INDIVIDUAL DRAINGE FIXTURE UNIT	TOTAL DRAINAGE FIXTURE UNITS
FLOOR DRAINS	7	2	14
LAVATORY	8	1	8
URINAL	3	4	12
WATER CLOSET, FLUSHOMETER TANK, PUBLIC OR PRIVATE	6	3	18
WATER CLOSET, PUBLIC (1.6 GPF)	4	4	16
TOTAL	28		68

PIPE INSULATION REQUIREMENTS

SERVICE	PIPE SIZE	PIPE INSULATION MATERIAL
DOMESTIC COLD WATER	ALL	1" PREFORMED FIBERGLASS WITH ALL SERVICE JACKET PREFORMED PVC FITTING COVERS
DOMESTIC HOT WATER		

PLUMBING FIXTURE SCHEDULE

REFER TO PLUMBING SPECIFICATIONS FOR COMPLETE FIXTURE COMPONENTS

LABEL	DESCRIPTION	WASTE	VENT	CW	HW	MANUFACTURER	MODEL	REMARKS
(E)FCO	FLOOR CLEANOUT	0"	0"	0"	0"	ZURN	Z1400 SERIES	SIZE TO MATCH PIPE BEING SERVED
(E)FD	FLOOR DRAIN	2"	2"	0"	0"	FIXTURE: ZURN TRAP SEAL: RECTORSEAL	FIXTURE: Z415-BZ1 TRAP SEAL: SURESEAL	TRAP SEAL TO MATCH FD SIZE
(E)LAV-A	WALL MOUNTED LAVATORY (ACCESSIBLE)	1 1/4"	1 1/2"	1/2"	1/2"	FIXTURE: KOHLER FAUCET: KOHLER INSULATION: TRUEBRO TMV: WEBSTONE	FIXTURE: K-2035-1 FAUCET: K013461 INSULATION: LAVGUARD 2 TMV: H-77211W-TG	MOUNT AT ADA HEIGHT SET TMV AT 110 DEG. F.
(E)SHR-A	SHOWER (ACCESSIBLE)	0"	0"	1/2"	1/2"	KOHLER	K-10827-4	MOUNT FOR ADA REQUIREMENTS
(E)UR	URINAL	2"	2"	1"	0"	FIXTURE: KOHLER FLUSH VALVE: ZURN	FIXTURE: K-5452-ET FLUSH VALVE: ZER6003AV-CP	
(E)WC	WALL MOUNT FLUSH VALVE WATER CLOSET	3"	2"	1 1/2"	0"	FIXTURE: KOHLER FLUSH VAVLE: ZURN SEAT: BEMIS	FIXTURE: K-4325-SS FLUSH VALVE: ZER6000-CP-WS1 SEAT: 1955CTJ	
(E)WC-A	WALL MOUNT FLUSH VALVE WATER CLOSET (ACCESSIBLE)	3"	2"	1 1/2"	0"	FIXTURE: KOHLER FLUSH VAVLE: ZURN SEAT: BEMIS	FIXTURE: K-4325-SS FLUSH VALVE: ZER6000-CP-WS1 SEAT: 1955CTJ	
LAV-A	COUNTERTOP LAVATORY (ACCESSIBLE)	1 1/4"	1 1/2"	1/2"	1/2"	FIXTURE: KOHLER FAUCET: KOHLER INSULATION: TRUEBRO TMV: WEBSTONE	FIXTURE: K-2839-1 FAUCET: K-13461 INSULATION: LAV GAURD 2 TMV: H-77211W-TG	SET TMV AT 110 DEG. F.
UR-A	URINAL (ACCESSIBLE)	2"	2"	1"	0"	FIXTURE: KOHLER FLUSH VALVE: ZURN	FIXTURE: K-5452-ET FLUSH VALVE: ZER6003AV-CP	MOUNT AT ADA HEIGHT
WC	FLOOR MOUNT TANK WATER CLOSET	3"	2"	3/4"	0"	FIXTURE: KOHLER SEAT: BEMIS	FIXTURE: K-3519 SEAT: 1955CTJ	
WC-A	FLOOR MOUNT TANK WATER CLOSET (ACCESSIBLE)	3"	2"	1"	0"	FIXTURE: KOHLER SEAT: BEMIS	FIXTURE: K-3519 SEAT: 1955CTJ	
WCO	WALL CLEANOUT	0"	0"	0"	0"	ZURN	Z1440	SIZE TO MATCH PIPE BEING SERVED

PLUMBING PIPE MATERIAL SCHEDULE

SERVICE	PIPE MATERIAL	FITTINGS	JOINTS	NOTES
DOMESTIC WATER DISTRIBUTION	TYPE "L" COPPER TUBING	CAST COPPER-ALLOY SOLDER JOINT OR WROUGHT COPPER SOLDER JOINT	LEAD FREE SOLDER	
	CROSS-LINKED POLYETHYLENE (PEX) SDR 9	LEAD FREE BRASS INSERT OR ENGINEERED PLASTIC INSERT	COPPER CRIMP RING OR COLD EXPANSION	FITTING AND JOINING METHOD APPROVED BY PIPE MANUFACTURER PROVIDE A 2-FT x 3-FT THERMAL EXPANSION LOOP FOR EVERY 60 FT OF LINEAR HOT WATER PIPE SECTION
DRAIN WASTE AND VENT (BELOW GRADE)	SCHEDULE 40 RIGID POLYVINYL CHLORIDE (PVC)	SCHEDULE 40 RIGID PVC JOINT	PIPE JOINT COMPOUND	
DRAIN WASTE AND VENT (ABOVE GRADE)	SCHEDULE 40 RIGID POLYVINYL CHLORIDE (PVC)	SCHEDULE 40 RIGID PVC JOINT	PIPE JOINT COMPOUND	
NATURAL GAS	SCHEDULE 40 BLACK STEEL	CLASS 150 MALLEABLE IRON OR BUTT WELDED STEEL	THREADED TEFLON TAPE	
CONDENSATE DRAIN	SCHEDULE 40 POLYVINYL CHLORIDE (PVC)	PVC SOCKET JOINT	PURPLE PRIMER SOLVENT CEMENT	

ALL PLUMBING MATERIALS SHALL COMPLY WITH THE LATEST APPLICABLE ASTM, CISPI CODES

WATER HEATER (ELECTRIC)

ACCEPTABLE MANUFACTURERS:	REMARKS:
EEMAX AO SMITH BRADFORD WHITE RHEEM PRIOR APPROVED EQUAL	(1) MOUNT WITHIN 2 FT. OF FIXTURE. (2) FIELD SERVICEABLE ELEMENTS. (3) SELECTABLE DISPLAY SETPOINT (F°), FLOW RATE (GPM), INLET AND OUTLET TEMPERATURE (F°). (4) DIAGNOSTIC FEATURES TO INCLUDE ERROR/FAULT DISPLAY. (5) CONTROL BOARD TO MAINTAIN ERROR/FAULT HISTORY OF 5 EVENTS. (6) MOUNTABLE IN ANY DIRECTION

LABEL	LOCATION	FLOW RATE (GPM)	TEMPERATURE RISE (F°)	ELECTRICAL VOLTS	PHASE	Hz	kW	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
EWH-1	MEN'S RESTROOM	0.5	75	240 V	1	60 Hz	5.5	4	Eemax Inc.	SPEX55T	ALL
EWH-2	MEN'S RESTROOM	0.5	75	240 V	1	60 Hz	5.5	4	Eemax Inc.	SPEX55T	ALL
EWH-3	WOMEN'S RESTROOM	0.5	75	240 V	1	60 Hz	5.5	4	Eemax Inc.	SPEX55T	ALL
EWH-4	WOMEN'S RESTROOM	0.5	75	240 V	1	60 Hz	5.5	4	Eemax Inc.	SPEX55T	ALL

DOMESTIC COLD WATER DEMAND

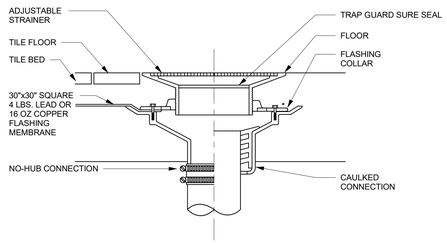
2018 INTERNATIONAL PLUMBING CODE - TABLE E103.3(3) ESTIMATED DEMAND (GPM):	65
PIPE SIZE (WATER SUPPLY TO BUILDING):	2"
2018 INTERNATIONAL PLUMBING CODE - FIGURE E103.3(5) PIPE FRICTION (PSI / 100 FT):	3.8
PIPE VELOCITY (10 FEET / SECOND):	6

EQUIPMENT	OCCUPANCY	TYPE OF SUPPLY CONTROL	QUANTITY	COMBINED WATER SUPPLY FIXTURE UNITS (WSFU)	TOTAL WATER SUPPLY FIXTURE UNITS (WSFU)
			1		0
LAVATORY	PUBLIC	FAUCET	8	2	16
SHOWER HEAD	PRIVATE	MIXING VALVE	5	1.4	7
URINAL	PUBLIC	3/4" FLUSHOMETER VALVE	3	5	15
WATER CLOSET, FLUSHOMETER TANK, PUBLIC OR PRIVATE	PUBLIC	FLUSH TANK	6	2.2	13.2
WATER CLOSET, PUBLIC (1.6 GPF)	PUBLIC	FLUSHOMETER VALVE	4	10	40
TOTAL			27		91.2

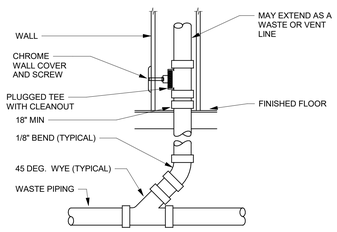
DOMESTIC HOT WATER DEMAND

2018 INTERNATIONAL PLUMBING CODE - TABLE E103.3(3) ESTIMATED DEMAND (GPM):	18.4
PIPE SIZE (WATER SUPPLY TO BUILDING):	1"
2018 INTERNATIONAL PLUMBING CODE - FIGURE E103.3(5) PIPE FRICTION (PSI / 100 FT):	11
PIPE VELOCITY (10 FEET / SECOND):	6.5

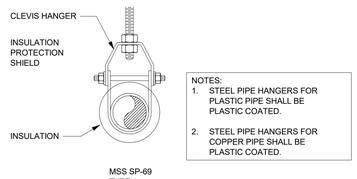
EQUIPMENT	OCCUPANCY	TYPE OF SUPPLY CONTROL	QUANTITY	COMBINED WATER SUPPLY FIXTURE UNITS (WSFU)	TOTAL WATER SUPPLY FIXTURE UNITS (WSFU)
			1		0
LAVATORY	PUBLIC	FAUCET	8	1.5	12
SHOWER HEAD	PRIVATE	MIXING VALVE	5	1	5
TOTAL			14		17



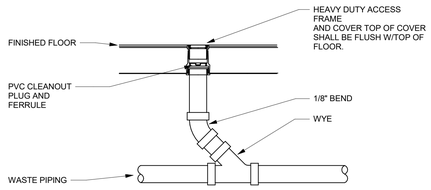
3 FLOOR DRAIN
SCALE: NTS



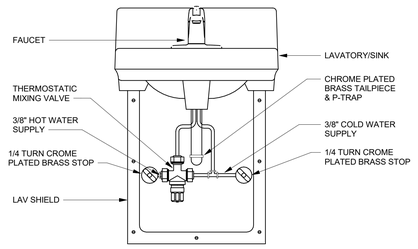
5 WALL CLEANOUT
SCALE: NTS



2 PIPE HANGER
SCALE: NTS



4 FLOOR CLEANOUT
SCALE: NTS



1 THERMOSTATIC MIXING VALVE
SCALE: NTS

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NJRA Project # 22237.00
Bid Set Mar. 8, 2023

PLUMBING SCHEDULES AND DETAILS

P601

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SHEET KEYNOTES

1 DOMESTIC PIPING IS SHOWN DIAGRAMMATICALLY. DOMESTIC WATER PIPING IS LOCATED IN SERVICE SHAFT BETWEEN RESTROOMS.

2 UNDERGROUND PIPING IS NOT EXACT AND WILL NEED TO BE COORDINATED CAREFULLY WHILE IN FIELD.

3 REMOVE EXISTING PLUMBING FIXTURES AND THEIR ASSOCIATED PIPING BACK TO MAINS LOCATED WITHIN THE PLUMBING SHAFT.

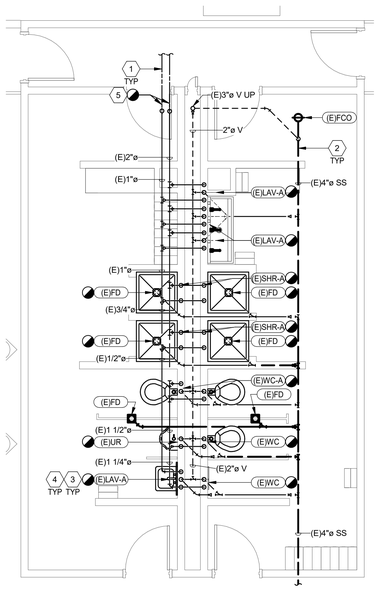
4 REMOVE OF FIXTURES AND THEIR ASSOCIATED SANITARY MAINS MAY REQUIRE SAW CUTTING.

5 REMOVE EXISTING DOMESTIC WATER PIPING TO POINT INDICATED. NEW PIPING IS TO RUN ABOVE CEILING. SEE 2/P112A FOR CONTINUATION.

6 PROVIDE CLEAN OUT WITHIN WALL. CONCEAL CLEAN OUT UNDER LAVATORY COUNTER.

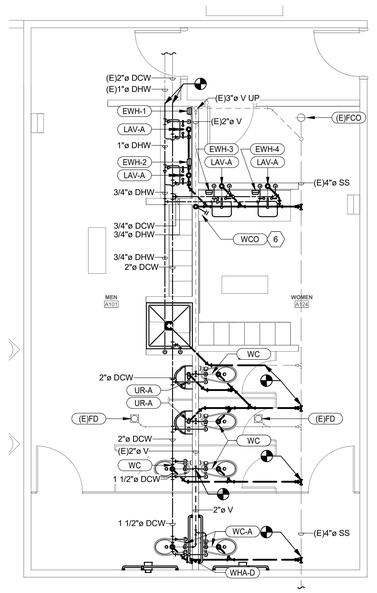
GENERAL SHEET NOTES

1. PC SHALL COORDINATE FIXTURE CONNECTION ELEVATIONS WITH KITCHEN EQUIPMENT CONTRACTOR'S PLANS.
2. WATER LINES FOR DRINK DISPENSING SHALL HAVE BACKFLOW PROTECTION THAT MEETS THE ASSE 1022 STANDARD.
3. PLUMBING CONTRACTOR SHALL PROVIDE / INSTALL DRANE COOLERS FOR ALL DISH, PAN, AND UTENSIL WASHERS. TEMPERED WATER TO BE LESS THAN 140°F.
4. PROVIDE HOT / COLD WATER CHECK VALVES FOR ALL MOP SINKS, 3-COMPARTMENT SINKS, PREP SINKS, AND ANY SINK WITH AN OVERHEAD SPRAYER.
5. ANY PIPING WHICH PENETRATES A COUNTER TOP SHALL BE ROUTED THROUGH A STAINLESS STEEL GROMMET WHICH IS TO BE ADHERED TO THE COUNTER TOP WITH A CLEAR, NON-SHRINKING, MILDEW RESISTANT SILICONE.
6. MAIN PIPE ROUTING SHALL BE ABOVE CEILING. WHERE DROPS OCCUR, PIPES SHALL BE CONCEALED INSIDE WALLS.
7. PROVIDE WATER HAMMER ARRESTORS AT ALL FIXTURES WITH QUICK ACTING WATER SHUT OFF INCLUDING ICE MAKERS, DISHWASHERS, METER FAUCETS, ETC.
8. RUN ALL WATER AND FIRE PROTECTION PIPING ABOVE CEILING INSIDE TRUSS WEBBING.
9. OWNER DOES NOT REQUIRE INSULATION ON PEX PIPING WHERE MULITPLE FIXTURES IN CLOSE PROXIMITY ARE SERVED BY THE SAME WATER LINE, PROVIDE MANIFOLD SECURELY FASTENED TO WALL WITH ISOLATION VALVES.
10. INSPECTION AND PERMIT BY STATE OR COUNTY HEALTH DEPARTMENT IS REQUIRED FOR CHEMICAL DISPENSER STATIONS AT MOP SINK AND 3-COMP SINK. INSTALLATION MUST CONFORM TO THE STATE OF UTAH AMENDMENT TO THE 2018 IPC.
11. ALL ACCESS COVERS IN RESTROOMS TO BE LOCATED BENEATH SINKS OR ADJACENT TO TOILETS, HIDDEN FROM VIEW WHERE POSSIBLE, PAINTED BLACK. ANY ACCESS COVERS OUTSIDE OF THESE REQUIREMENTS SHALL BE STAINLESS STEEL.
12. DISSIMILAR METAL PIPING CONNECTIONS SHALL HAVE DIELECTRIC ISOLATORS.
13. BALL VALVES SHALL BE FULL PORT AND LEAD FREE. PROVIDE WITH HANDLE/STEM EXTENSIONS FOR PROPER FUNCTION WHEN FULLY INSULATED. EXTENSIONS TO BE SEALED AND VAPOR PROOF.
14. ALL DOMESTIC WATER PIPING TO BE LOCATED ON WARM SIDE OF BUILDING ENVELOPE.
15. PROVIDE BALANCE REPORT OF DOMESTIC WATER RECIRCULATING SYSTEM TO ENGINEER. PROVIDE P&T PORTS AND PRESSURE GAUGES ON EACH SIDE OF RECIRCULATING PUMP. PROVIDE THERMOMETER ON DISCHARGE SIDE OF PUMP.
16. COORDINATE NECESSARY SAW CUTTING, BACKFILL, AND NEW CONCRETE WITH GENERAL.
17. PROVIDE A SAND BED WITH SIX (6") INCHES MINIMUM COVERAGE AROUND ALL BELOW GRADE PIPES. PROVIDE BACKFILL FREE OF BOULDERS LARGER THAN TWO (2") INCHES, COMPACT AND TEST ALL BACKFILL ACCORDING TO ASTM COMPACTION STANDARDS OR PROVIDE PEA GRAVEL BACKFILL. PROVIDE MINIMUM TRENCH WIDTH OF NOT LESS THAN 1.5 TIMES THE PIPE OUTSIDE DIAMETER PLUS 12 INCHES.
18. ALL PIPING THROUGH A FOUNDATION WALL OR UNDER A FOOTING TO BE PROVIDED WITH PIPE SLEEVE 2 PIPE SIZES LARGER THAN PIPE PASSING THROUGH WALL OR UNDER FOOTING. SEAL WITH CAULK OR FOAM. PIPE SLEEVE UNDER FOOTING TO BE A MINIMUM OF 2" BELOW FOOTING. PIPE TO BE IRON AND EXTEND BEYOND THE WIDTH OF THE FOOTING AT A 45 DEGREE ON BOTH SIDES OF FOOTING.
19. PIPING SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING WITHIN 12" FROM SUPPORTING STRUCTURE.
20. CONTRACTOR SHALL FIELD VERIFY ALL PLUMBING ITEMS PRIOR TO STARTING NEW WORK. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS.
21. DUCTWORK AND PIPE ROUTING AS SHOWN ON DRAWINGS IS DIAGRAMMATIC AND IS NOT TO BE SCALED. WHERE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS ARE REQUIRED FOR COORDINATION OF WORK, THIS CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIONAL COSTS.
22. THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH KITCHEN EQUIPMENT, ELECTRICAL, ARCHITECTURAL AND BUILDING STRUCTURE.
23. INSULATE PIPING WITH FIBERGLASS PIPE COVERING WITH ALL SERVICE JACKET AND SELF-CAP SEAL. FITTINGS SHALL BE MITERED PIPING COVERING OF GLASS FIBER MOLDED FITTINGS FOR USE IN A RETURN AIR PLENUM. THERMAL CONDUCTIVITY SHALL BE A MAXIMUM OF .25/INCH THICKNESS AT 75°F.
24. P.C. MUST PROVIDE AND INSTALL ALL ACCESS DOORS FOR VALVES, FLOW METERS, ETC. COORDINATE LOCATION WITH GENERAL CONTRACTOR. ACCESS PANELS SHALL NOT BE VISIBLE TO CUSTOMERS AND SHALL BE PAINTED TO MATCH THE WALL IN WHICH THEY ARE INSTALLED.
25. ALL PIPING EXPOSED TO THE OUTDOORS IS TO BE INSULATED AND WEATHERPROOFED.
26. WHERE THE JURISDICTION REQUIRES, CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEISMIC RESTRAINT AND SUPPORT ENGINEERED BY A LICENSED STRUCTURAL ENGINEER. PROVIDE DESIGN DRAWINGS TO AUTHORITY HAVING JURISDICTION AND MECHANICAL ENGINEER FOR REVIEW.
27. TEST WASTE AND VENT PIPING FOR LEAKAGE. AFTER PLUMBING FIXTURES HAVE BEEN SET AND TRAPS FILLED WITH WATER, TEST CONNECTIONS AND PROVE THEY ARE GASTIGHT AND WATERTIGHT. PLUG VENT-STACK OPENINGS ON ROOF AND BUILDING DRAINS WHERE THEY LEAVE BUILDING. INTRODUCE AIR INTO PIPING SYSTEM EQUAL TO PRESSURE OF 1-INCH WG. USE U-TUBE OR MANOMETER INSERTED IN TRAP OF WATER CLOSET TO MEASURE THIS PRESSURE. AIR PRESSURE MUST REMAIN CONSTANT WITHOUT INTRODUCING ADDITIONAL AIR THROUGHOUT PERIOD OF INSPECTION. INSPECT PLUMBING FIXTURE CONNECTIONS FOR GAS AND WATER LEAKS. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTION THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED. PREPARE REPORTS FOR TESTS AND REQUIRED CORRECTIVE ACTION.
28. ALL WASTE AND VENT PIPING SHALL BE ABS. ALL ROOF AND OVERFLOW DRAINAGE PIPING TO BE PVC.



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

NORTH



2 LEVEL 1 TOILET AREA PLUMBING PLAN
SCALE: 1/4" = 1'-0"

NORTH

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LEVEL 1 TOILET AREA PLUMBING PLANS

P112A

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.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
MATCH LINE SEE XA/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
WIRING METHODS	
	WIRING.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. 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.
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.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
H	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
E	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
H E	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
GF	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
H GF	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
H GF E	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.
2	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
2 E	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
H 2	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
H 2 E	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
2 GF	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
S	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
H S	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
FB#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
D	SWITCH, DIMMER.
X $	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
X $3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
X $4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
$WP	SWITCH, WEATHERPROOF.
T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
H GF	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
H GF E	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
USB	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
CCTV	
P	CCTV CABLE, POWER.
V	CCTV CABLE, VIDEO SIGNAL.
CCTV	CCTV HEADEND EQUIPMENT.
M	CCTV MONITOR.
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
PTZ	CCTV CAMERA WITH PAN, TILT AND ZOOM.
360°	PANNING CAMERA TRANSVERSE ANGLE.
SECURITY	
X	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
ACC	ACCESS CONTROL HEADEND EQUIPMENT.
#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
CR	CARD READER.
KCR	KEYPAD/CARD READER COMBINATION.
RL	REMOTE DOOR RELEASE BUTTON.
P	PANIC DURESS SWITCH.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
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, MOLDED CASE (ONE-LINE DIAGRAM).
#AF #AT	CIRCUIT BREAKER, ADJUSTABLE TRIP. "225AF" REPRESENTS THE RATING AND "150AT" REPRESENTS THE TRIP SETTING. (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
	WYE CONNECTION (ONE-LINE DIAGRAM).
"1DPHA"	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (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).
225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
P	PHOTOCELL.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, 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
X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
225/3 "1H" 225/3	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).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
M	METER.
VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	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)
FIRE ALARM	
FAA	FIRE ALARM ANNUNCIATOR PANEL.
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
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, DUCT WITH HOUSING AND SAMPLING TUBE.
SD	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
FSD	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
CO	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2/C	TWO-CONDUCTOR
2WAY	TWO-WAY
3/C	THREE-CONDUCTOR
3WAY	THREE-WAY
4OUT	QUADRUPLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
AC	ARMORED CABLE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB	BUCK-BOOST TRANSFORMER
XFMR	
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
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dBA	UNIT OF SOUND LEVEL
DPDT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
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
PAIR	PR
PB	PUSHBUTTON
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PNM	PLENUM
PS	POWER SUPPLY
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RPM	REVOLUTIONS PER MINUTE
RPP	RISER PATCH PANEL
RR	REMOVE AND RELOCATE
S/S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SF	SQUARE FOOT (FEET)
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATION
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	TELECOMMUNICATIONS 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
VWM	VERTICAL WIRE MANAGEMENT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WPP	WIRELESS PATCH PANEL
XFMR	TRANSFORMER

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.

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..

ELECTRICAL SHEET INDEX

NJRA ARCHITECTS

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Woods Cross, UT 84054

NJRA Project # 22237.00
Bid Set Mar. 8, 2023

SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
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CLINIC/HOSPITAL - CABLE/OUTLET COLOR SCHEDULE

COLOR	TYPE
BLACK	TV COAX
BLUE	ANALOG PHONE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
GREY	SECURITY CARD READERS
ORANGE	CLINICAL ENGINEERING / NURSE CALL
RED	FIRE SYSTEMS
RED	FORESEER
WHITE	PUBLIC ADDRESS
YELLOW	WIRELESS
GREEN	VENDOR NETWORK

COPPER PATCH CORD SCHEDULE

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

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

COPPER PATCH CORD SCHEDULE

(CATEGORY 5E CABLES W/RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	BLUE	560	
7'	BLUE	560	
10'	BLUE	480	

FIBER PATCH CORD SCHEDULE

(SINGLE-MODE W/LC CONNECTORS)

LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
-	-	-	-
3	YELLOW	250	-
5	YELLOW	250	-

WIRELESS PATCH CORD PATCH CORD SCHEDULE

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

LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
7'	YELLOW	100% OF TOTAL PORTS IN TDR'S	

CLINICAL ENGINEERING PATCH CORD SCHEDULE

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

LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
5'	ORANGE	70% OF TOTAL PORTS IN TDR'S	
7'	ORANGE	30% OF TOTAL PORTS IN TDR'S	

CLINIC/HOSPITAL - EQUIPMENT/CABLE LIST

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

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, BLUE, DATA	SIEMON 9A6R4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, YELLOW, WIRELESS DATA	SIEMON 9A6R4-A5-05-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, ORANGE, CLINICAL ENGINEERING	SIEMON 9A6R4-A5-09-R1A
	STATION CABLE, DATA - CATEGORY 5E RISER, ORANGE, NURSE CALL	SIEMON 9CR4-E2-09-RXA
	STATION CABLE, DATA - CATEGORY 5E RISER, GREEN, VENDOR NETWORK	SIEMON 9C5R4-E2-07-R1A
	50 PAIR CATEGORY 3 RISER CABLE, GRAY	GENERAL CABLE 2133161.99 OR EQUAL
	25 PAIR CATEGORY 3 RISER CABLE, GRAY	GENERAL CABLE 2133033.99 OR EQUAL
	FORESEER CABLE, 2 PAIR	BELDEN 88723
	FIBER OPTIC CABLE, MULTIMODE, OM3, 12 STRAND, ARMORED, RISER CABLE, AQUA	SIEMON 9BC5R012G-T312A
	FIBER OPTIC CABLE, SINGLEMODE, 4 STRAND, 2 COND., 14 AWG, INDOOR/OUTDOOR CABLE, BLACK	CORNING 004ZDF-21X01M20
	FIBER OPTIC CABLE, SINGLEMODE, 6 STRAND, ARMORED, INDOOR/ OUTDOOR CABLE, BLACK	SIEMON 9BG8R006D-E201A
	FIBER OPTIC CABLE, SINGLEMODE, 12 STRAND, ARMORED, RISER CABLE, YELLOW	SIEMON 9BC8R012L-E205A
	FIBER OPTIC CABLE, SINGLEMODE, 24 STRAND, ARMORED, RISER CABLE, YELLOW	SIEMON 9BC8R024L-E205A
W	VOICE OUTLET, SINGLE GANG FACEPLATE, WHITE W/WALL HUNG PHONE MOUNTING STUDS, ONE POSITION W/CATEGORY 6A INSERT	SIEMON MX-WP-Z6AS-SS
E	VOICE OUTLET, TWO GANG BOX MOUNTED	VIKING ELECTRONICS E-1600-02A
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
F	DATA OUTLET, FURNITURE FACEPLATE, BLACK	SIEMON MX-UMA-01
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK MODULE, BLACK	SIEMON MX-BL-01
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
4	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
C	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - DATA, YELLOW	SIEMON Z6A-S05
M	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, ORANGE	SIEMON Z6A-S09
	BLANK INSERT, WHITE	SIEMON MX-BL-02
M	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, ORANGE	SIEMON Z6A-S09
	BLANK INSERT, WHITE	SIEMON MX-BL-02
M	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, ORANGE	SIEMON Z6A-S09
	BLANK INSERT, WHITE	SIEMON MX-BL-02
TR2	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - TOTGUARD DATA, ORANGE	SIEMON Z6A-S09
TE	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - TOTGUARD DATA, ORANGE	SIEMON Z6A-S09
TRC	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - TOTGUARD DATA, ORANGE	SIEMON Z6A-S09
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
F	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	FIBER INSERT, DUPLEX LC, SINGLEMODE	SIEMON MX-F1-LCU-02C
	DUPLEX PHOENIX POWER CONNECTOR	CORNING 1LAN-D600-SPK-WH
	MEDIA CONVERTER, UNMANAGED, HARDENED, POE+ INJECTOR/CONVERTER	TRANSITION NETWORKS SI-IES-111D-LRT
	MEDIA CONVERTER, SFP, SINGLEMODE, 1550 NM W/CONNECTORS	TRANSITION NETWORKS TN-GLC-ZX-SM-RGD
C	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
SPP1	48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
RPP1	48 PORT, 2RU ANGLE PATCH PANEL, 110 STYLE	SIEMON HD5-48A
SPP2	48 PORT, 1RU FLAT PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PNL-U48K
SPP3	24 PORT, 1RU FLAT PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PNL-U24K
RPP2	24 PORT, 1RU FLAT PATCH PANEL, 110 STYLE	SIEMON HD5-24
CEPP1	48 PORT, 1RU ANGLED PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
NCPP1	48 PORT, 2RU ANGLED PATCH PANEL WITH OUTLETS	SIEMON HD5-48A
TGPP	48 PORT, 1RU ANGLED PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
PPP	24 PORT, 1RU ANGLED PATCH PANEL, 110 STYLE	SIEMON HD5-24A
FPP1	FIBER PATCH PANEL, EXPANDED UNIT FOR FIBER SPLICE TRAY CAPACITY, 3RU	SIEMON RIC3-E-48-01
	SIX POSITION, 12 STRAND, FIBER SPLICE MODULE, LC	SIEMON FSM2-12-LCSM-01
	FIBER SPLICE TRAY	SIEMON TRAY-3
	BLANK ADAPTER PLATE, BLACK	SIEMON RIC-F-BLNK-01
FPP2	FSP ADAPTER PANEL, 12 PORT DUPLEX LC, SINGLEMODE	HUBBELL FSPLCDS6
	FIBER OPTIC BRACKET	HUBBELL REKFP
FPP3	FIBER PATCH PANEL, 3RU	SIEMON RIC3-48-01
	SIX POSITION FIBER ADAPTER PANEL, SC	SIEMON RIC-F-SC12-01
	BLANK ADAPTER PLATE, BLACK	SIEMON RIC-F-BLNK-01
FPP4	FIBER PATCH PANEL, WALL MOUNT	SIEMON SWIC3G-CC-01
	SIX POSITION FIBER ADAPTER PANEL, ST	SIEMON RIC-F-LCU12-01C
	BLANK ADAPTER PLATE, BLACK	SIEMON RIC-F-BLNK-01
	SC CONNECTOR, APC, SIMPLEX, SINGLEMODE	SIEMON FC1-LB-SCA-9GR
	ST CONNECTOR, SIMPLEX, MULTIMODE, OM3	SIEMON FC1-SA-MM-B80
HWM1	HORIZONTAL WIRE MANAGERS, 4RU	PANDUIT NCMHAEF4
HWM2	HORIZONTAL WIRE MANAGERS, FRONT ONLY, 2RU, BLACK	PANDUIT NCNHAEF2
VWM	VERTICAL WIRE MANAGERS, 10" WIDTH, DOUBLE SIDED, BLACK, 8'	CHATSWORTH 40096-715
PSU	POWER SUPPLY UNIT, 12 PORT, 1RU	CORNING PSU6-1U
	MODULAR POWER SUPPLY, 57 VDC	CORNING PSM-I
	EQUIPMENT RACK 19" x 8', 52 RU, BLACK	CHATSWORTH 55053-715
	DATA CENTER CABINETS 23.6" x 47.3" x 7', 45RU x 600mm x 1200mm, BLACK, WITH 2 SIDES	DCE E4562121122001S
	DATA CENTER CABINET, 45RU x 600mm x 1200mm, BLACK, WITH 1 SIDE	DCE E4562122122001S
	DATA CENTER CABINET, 45RU x 600mm x 1200mm, BLACK	DCE E4562120122001S
	DATA CENTER CABINETS 27.6" x 47.3" x 7', 45RU x 700mm x 1200mm, BLACK, WITH 2 SIDES	DCE E4572121122001S
	DATA CENTER CABINET, 45RU x 700mm x 1200mm, BLACK, WITH 1 SIDE	DCE E4572122122001S
	DATA CENTER CABINET, 45RU x 700mm x 1200mm, BLACK	DCE E4572120122001S
	WALL MOUNTED CABINET, 48"(H) x 24"(D), 26RU, BLACK, SOLID METAL DOOR	CHATSWORTH 11840-748
	WALL MOUNTED RACK, 53.6" H x 17" D, 26RU, BLACK	CHATSWORTH 11807-718
	HEAVY DUTY SWING GATE KIT	CHATSWORTH 12795-701
	CABLE RUNWAY - 24", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-724
	CABLE RUNWAY - 18", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-718
	BUTT SPLICE KIT, BLACK	CHATSWORTH 11301-701
	JUNCTION SPLICE KIT, BLACK	CHATSWORTH 11302-701
	FOOT KIT, BLACK	CHATSWORTH 11309-701
	6" CHANNEL RACK TO RUNWAY, BLACK	CHATSWORTH 12409-724
	TRIANGLE BRACKETS, BLACK	CHATSWORTH 11746-724
	END CLOSING KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11700-724
	WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11421-724
	CABLE RUNWAY ELEVATION KIT, 6"	CHATSWORTH 10506-706
	CABLE RUNWAY RADIUS DROP	CHATSWORTH 12100-712
	PLYWOOD BACKBOARD, 4' X 8', GRADE AC, FIRE TREATED & PAINTED	
	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR	-
	TELECOMMUNICATIONS GROUNDING BUS BAR	-

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

CLINIC/HOSPITAL - GENERAL PROJECT NOTES

1. UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
2. PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
3. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
4. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
5. IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
6. GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
7. FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15' ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
8. PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
9. RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT RACK ALLOCATION PLEASE CALL BOE SAUSEDO AT 801-707-3805.
10. COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT, OR INCIDENTAL OVERSPRAY.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

A	AUGMENTED
CAT	CATEGORY
E	ENHANCED
EA	EACH
ER	EQUIPMENT ROOM
FPP	FIBER PATCH PANEL
GIG	GIGA HERTZ
HWM	HORIZONTAL WIRE
NIC	MANAGEMENT
OE	NOT IN CONTRACT
PNM	OWNER ELECTRONICS
PR	PLENUM
PS	PAIR
RPP	POWER SUPPLY
SPP	RISER PATCH PANEL
TDR	STATION PATCH PANEL
TYP	TELECOMMUNICATIONS ROOM
VWM	TYPICAL
	VERTICAL WIRE MANANGEMENT

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.

APPROVE: 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.

ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC 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...

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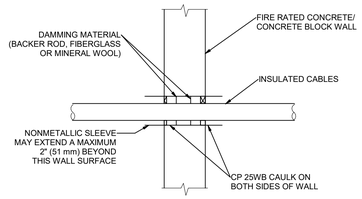
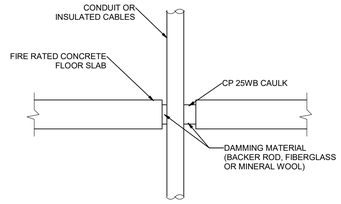
TELECOM SCHEDULES AND NOTES



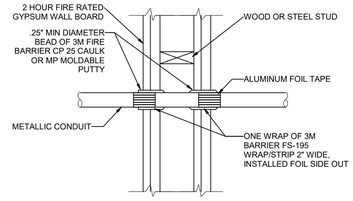
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS1

5 SCALE: NTS



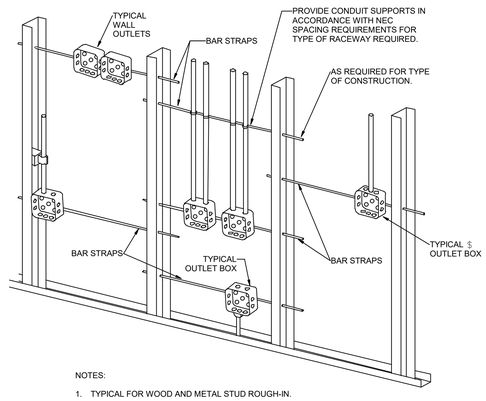
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING1

6 SCALE: NTS



FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD1

7 SCALE: NTS

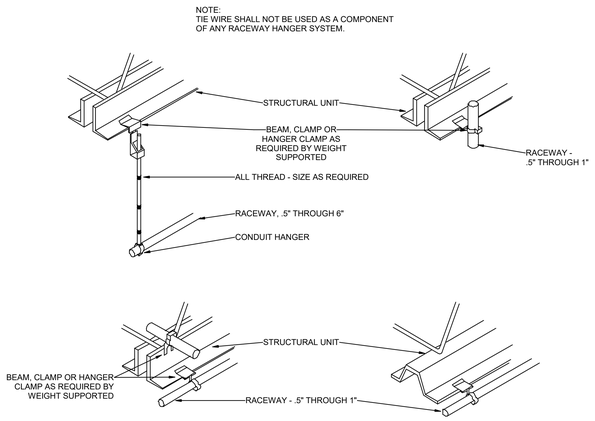


NOTES:

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.

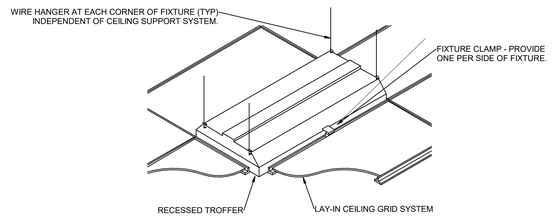
TYPICAL ROUGH-IN REQUIREMENTS DETAIL1

1 SCALE: NTS



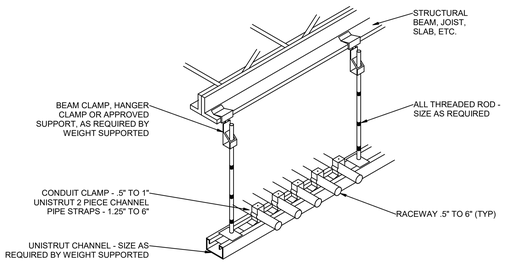
TYPICAL RACEWAY SUPPORT METHODS DETAIL1

2 SCALE: NTS



RECESSED FIXTURE MOUNTING DETAIL1

4 SCALE: NTS



TYPICAL CONDUIT RACK DETAIL1

3 SCALE: NTS

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ELECTRICAL DETAILS

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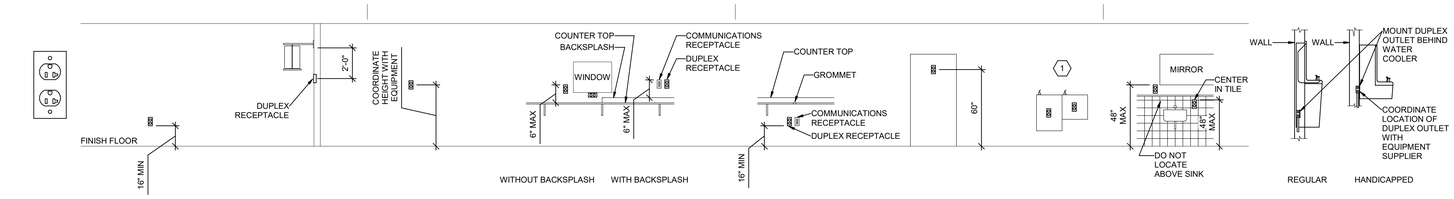
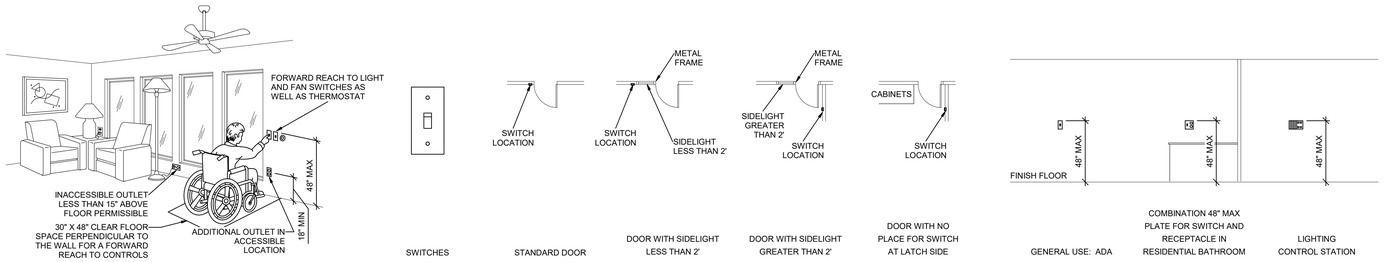


REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

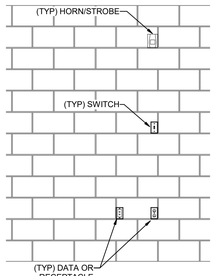
9 RECEPTACLE MOUNTING DETAILS

SCALE: NTS



7 ADA DETAIL

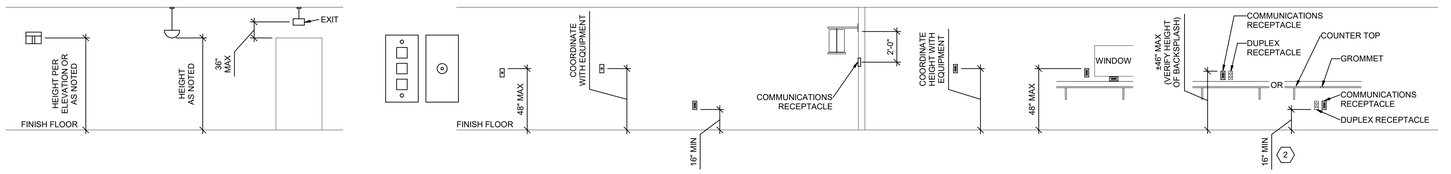
SCALE: NTS



NOTE: ALL DEVICES SHALL BE INSTALLED AND LOCATED IN THE BLOCK CONSISTENTLY THROUGH OUT THE BUILDING.

8 SWITCH MOUNTING DETAILS

SCALE: NTS



4 CMU DEVICE MOUNTING ALIGNMENT DETAIL

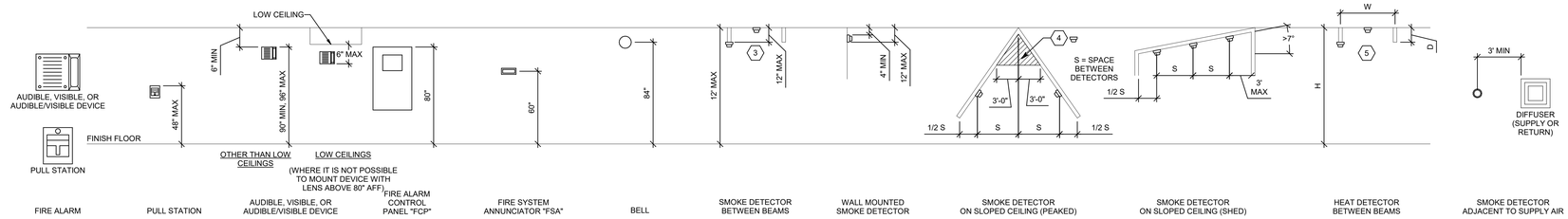
SCALE: NTS

5 LIGHTING MOUNTING DETAILS

SCALE: NTS

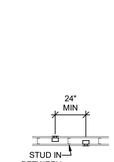
6 COMMUNICATIONS MOUNTING DETAILS

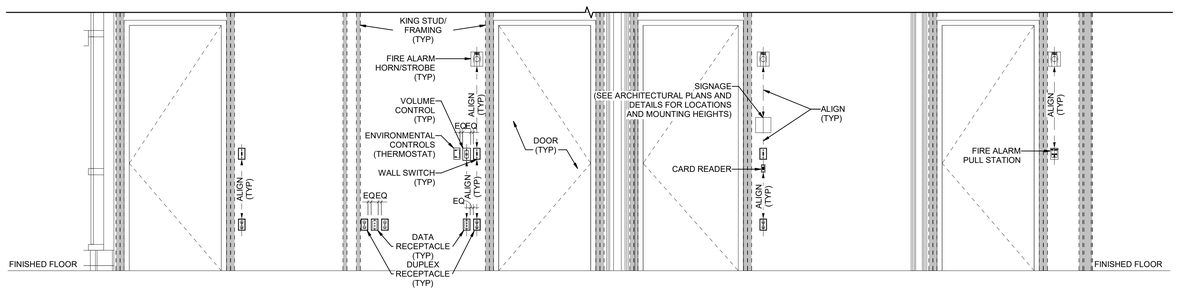
SCALE: NTS



3 FIRE ALARM MOUNTING DETAILS

SCALE: NTS





1 BOX MOUNTING DETAILS

SCALE: NTS

2 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS

GENERAL SHEET NOTES

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

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

   2 - EQUIPMENT SHOP DRAWINGS.

   3 - FIELD INSTRUCTIONS.
2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
3. MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
6. LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
7. VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
8. LOCATE 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.

SHEET KEYNOTES

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

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TYPICAL MOUNTING HEIGHT DETAILS

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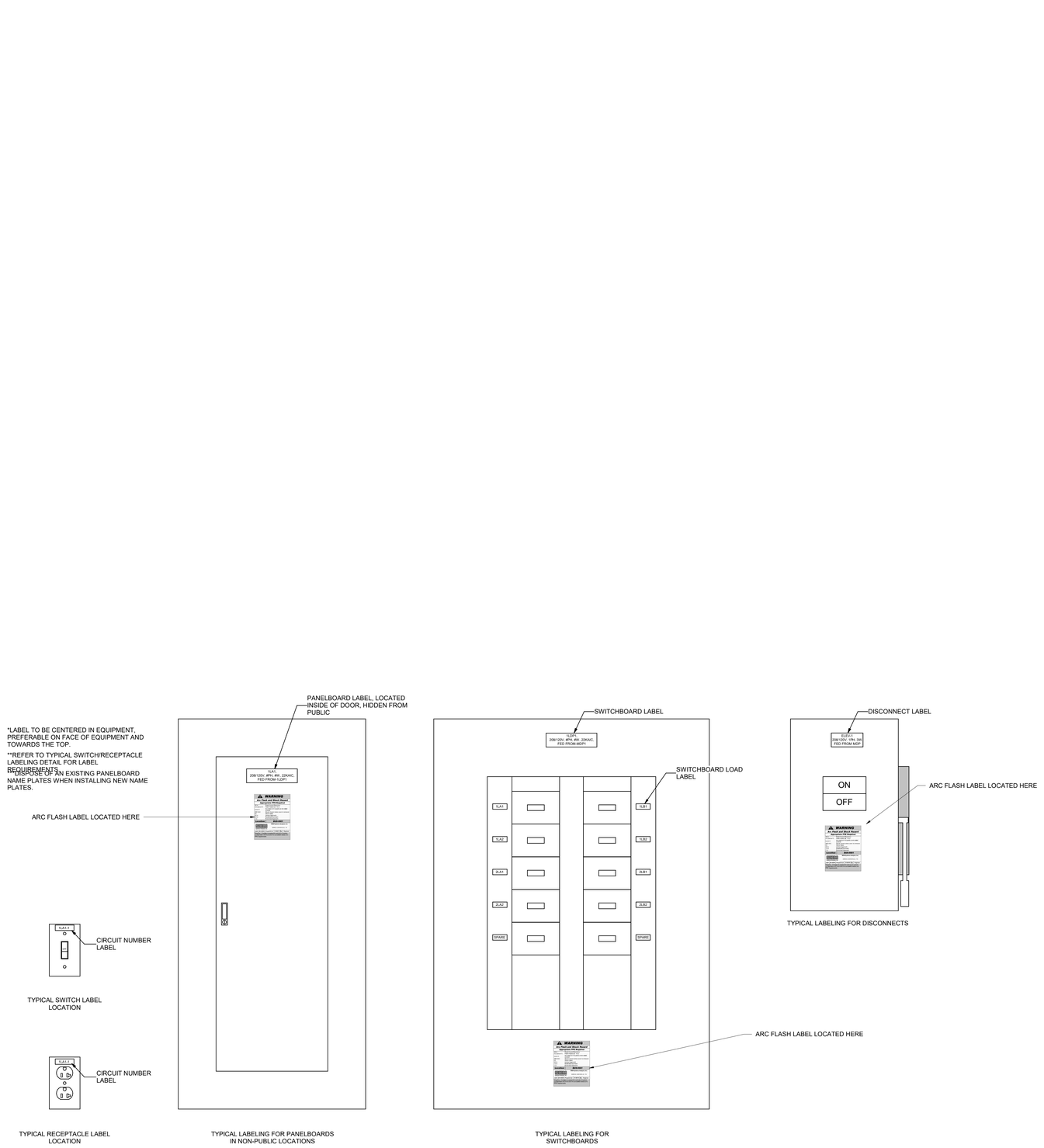

1 TYPICAL SWITCH, RECEPTACLE AND PANELBOARD/SWITCHBOARD LABELING LOCATION DETAIL
SCALE: NTS

TYPICAL LABELING DETAILS

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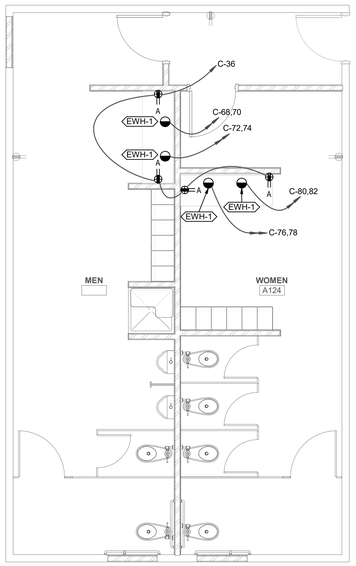
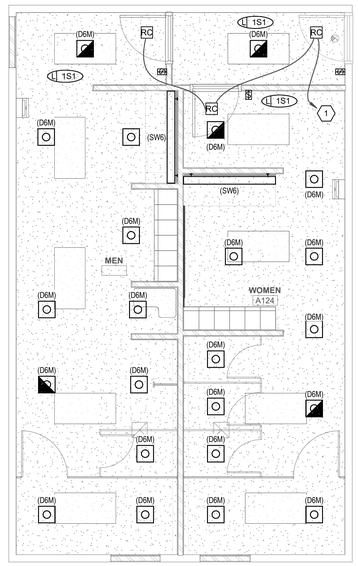
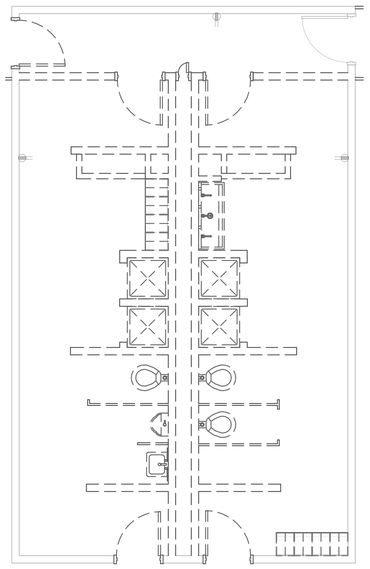


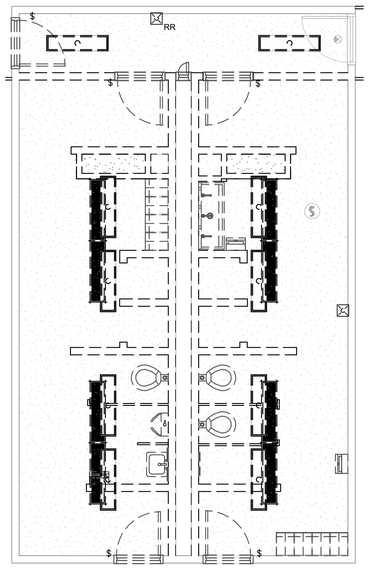
3 LEVEL 1 POWER PLAN - TOILET
SCALE: 1/4" = 1'-0"



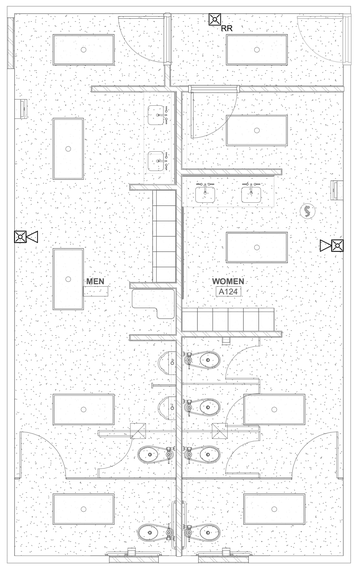
4 LEVEL 1 LIGHTING PLAN - TOILET
SCALE: 1/4" = 1'-0"



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



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



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

GENERAL SHEET NOTES

SHEET KEYNOTES

1 CONNECT TO EXISTING LIGHTING CIRCUIT.

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ELECTRICAL PLAN - TOILET AREA

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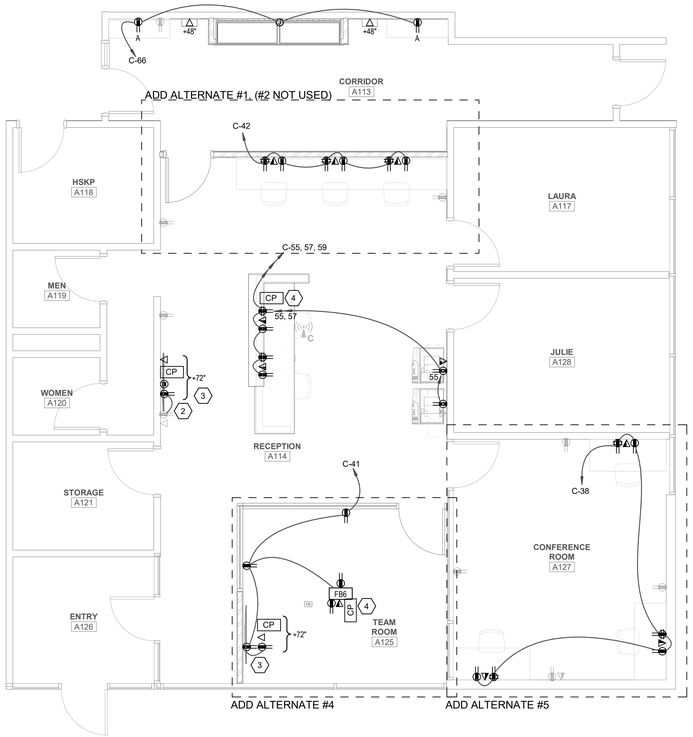
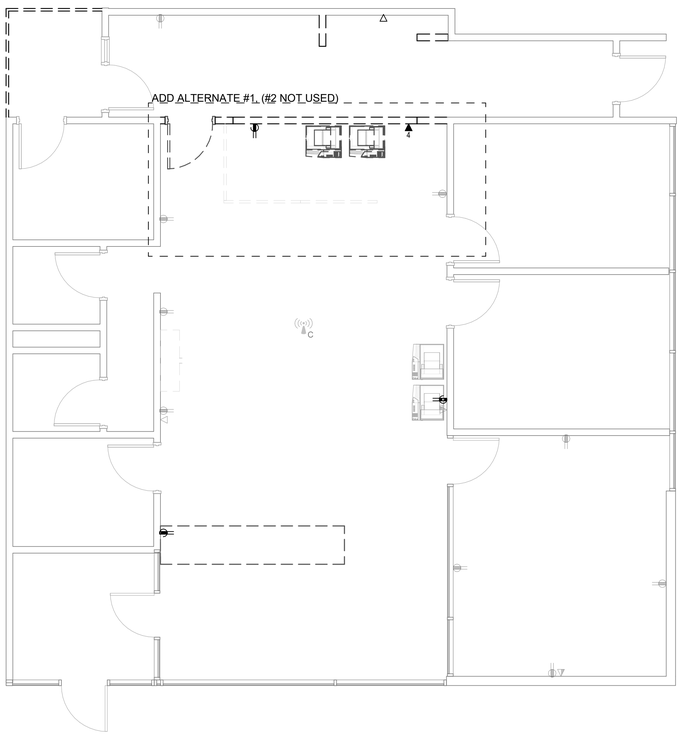


4 LEVEL 1 POWER PLAN - STAFF ENTRANCE

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

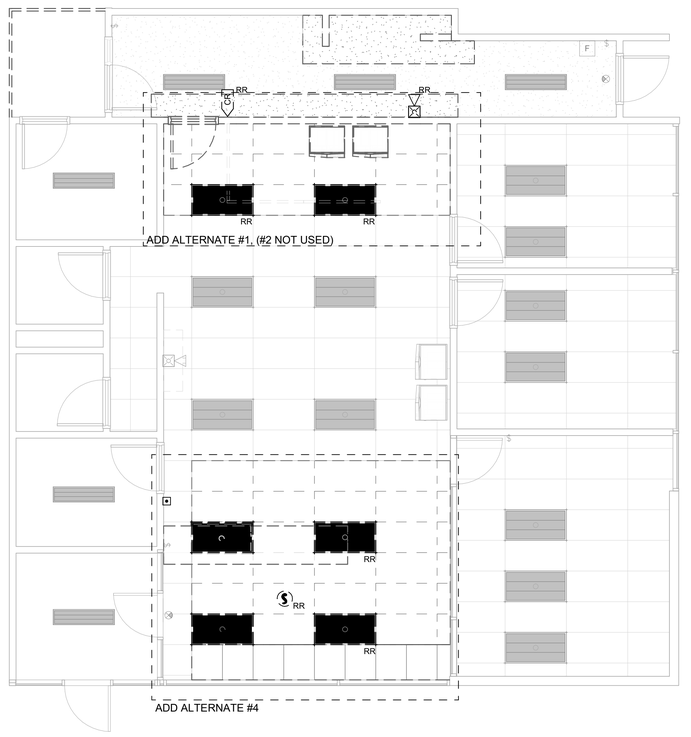
5 LEVEL 1 LIGHTING PLAN - STAFF ENTRANCE

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



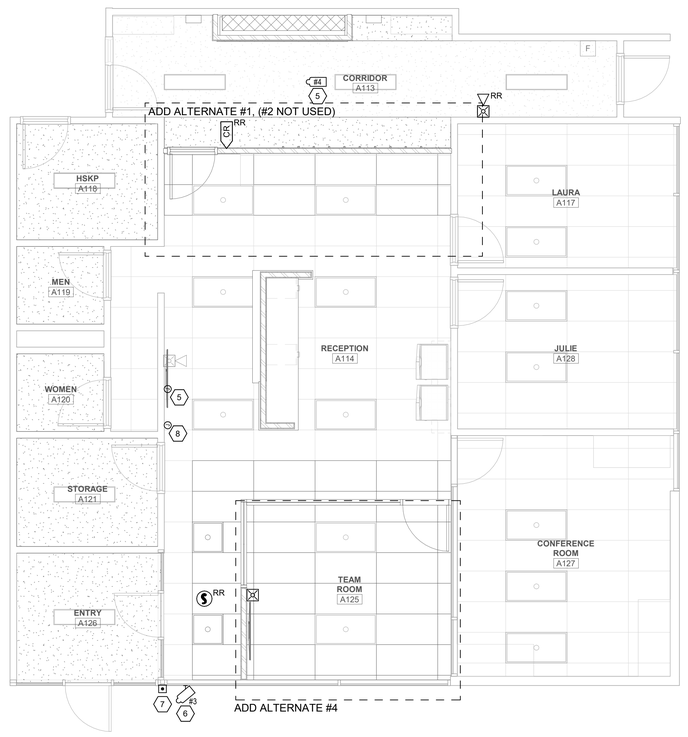
1 LEVEL 1 ELECTRICAL DEMOLITION PLAN - STAFF ENTRANCE

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



2 LEVEL 1 CEILING DEMOLITION PLAN - STAFF ENTRANCE

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



3 LEVEL 1 AUXILIARY PLAN - STAFF ENTRANCE

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

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GENERAL SHEET NOTES

SHEET KEYNOTES

1. CONNECT TO EXISTING LIGHTING CIRCUIT.
2. CONNECT TO EXISTING 120V RECEPTACLE CIRCUIT.
3. PROVIDE A FSR PWB-100 BEHIND TV'S/MONITORS. PROVIDE HDMI RECEPTACLE, WITH SINGLE GANG BACKBOX AND 1.25" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING. RUN HDMI CABLE FROM BEHIND TV TO INPUT LOCATION.
4. PROVIDE HDMI RECEPTACLE WITH 1.25" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING. RUN HDMI CABLE FROM THIS LOCATION TO THE HDMI RECEPTACLE BEHIND THE MONITOR.
5. PROVIDE AN AXIS T8705 VIDEO DECODER BEHIND THE MONITOR SO THE INTERCOM CAMERA AND CORRIDOR CAMERA CAN BE DISPLAYED ON THIS MONITOR. INCLUDE AS ADD ALTERNATE #3.
6. INCLUDE AS ADD ALTERNATE #3.
7. PROVIDE DOORBELL CONNECTED TO CHIME IN RECEPTION AREA. INCLUDE AS PART OF ADD ALTERNATE #3.
8. PROVIDE DOORBELL CHIME AND TRANSFORMER CONNECTED TO DOOR BELL AT FRONT DOOR. CONNECT TO NEAREST 120V RECEPTACLE CIRCUIT. INCLUDE AS PART OF ADD ALTERNATE #3.

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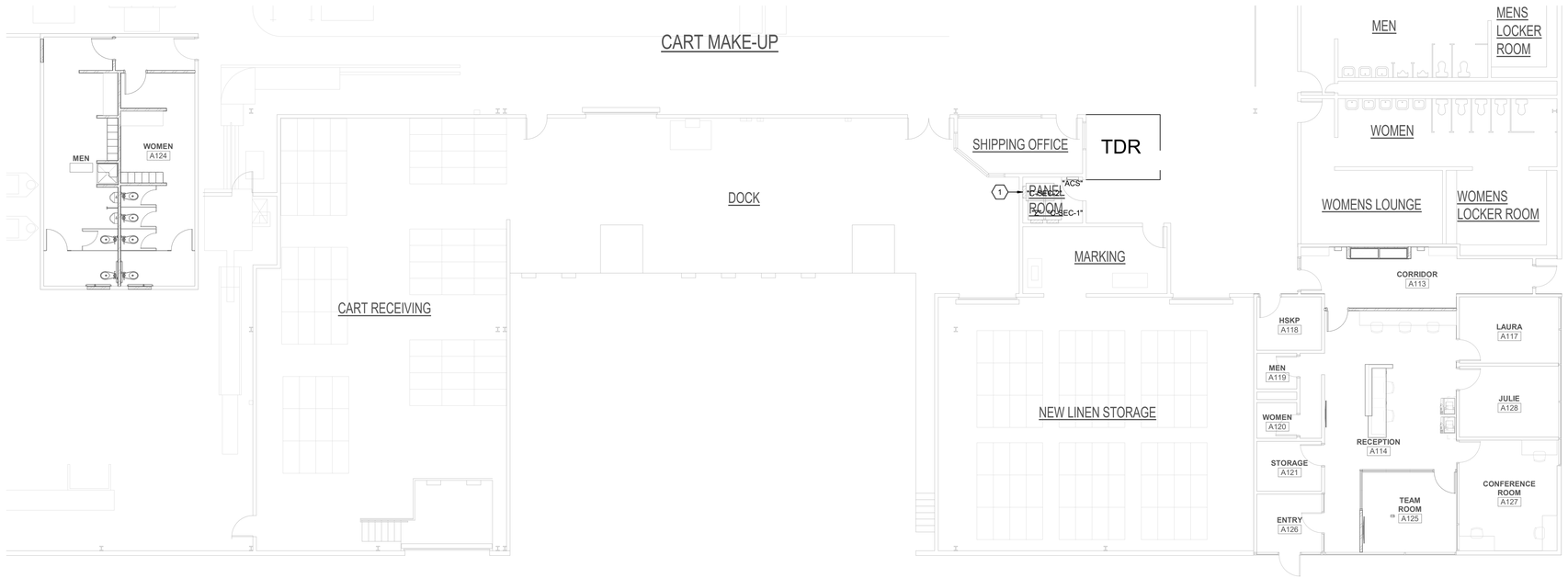
ELECTRICAL PLAN - STAFF ENTRANCE

EP102

EQUIPMENT SCHEDULE

MARK	ITEM DESCRIPTION	LOAD DATA							WIRE AND CONDUIT SIZE	COND. AND CONDUIT SCHED.	OVERCURRENT PROTECTION			DISCONNECT			STARTER DATA																NOTES	MARK
		HP	kW	MCA	FLA	VOLT	PH	Hz			FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	SIZE	SPEED	CTRL VOLT	SELECTOR SWITCH	PUSH BUTTON	PILOT LAMP	NORMALLY OPEN CONTACTS	NORMALLY CLOSED CONTACTS	PHASE FAILURE RELAY	SCHEMATIC REFERENCE	REMOTE CTRL	EMG PWER		
EWH-1	ELECTRIC WATER HEATER		5.5	23		208	1	60	2 #10, #10 GR 0.75" CND	4	E	30A/2P CB	PANEL	E	30A/2P FRN-25	ADJ TO EQUIP																		EWH-1



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

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GENERAL SHEET NOTES

SHEET KEYNOTES

1 REMOVE THREE 20A 3P BREAKERS. REPLACE WITH FOUR 30A 2P SIEMENS BREAKERS AND ONE 20A 1P SIEMENS BREAKER.

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POWER PLAN - OVERALL

EP103

LIGHTING/SPACE CONTROL TYPE SCHEDULE

WIRING LEGEND

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

APPROVED MANUFACTURERS

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

LIGHTING CONTROL ID

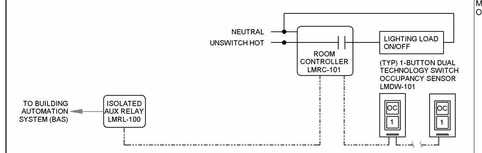
1. # = NUMBER OF ZONES
2. D = DIMMING, S = SWITCHING
3. P = DAYLIGHT PHOTOCELL
4. L = PLUG LOAD CONTROLLER
5. # = INSTANCE

GENERAL NOTES

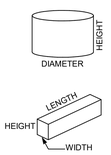
1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH,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

GENERAL NOTES

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

ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN.)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
1S1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	ON/OFF	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNTION: PRESS-ON PRESS-OFF LABEL ID:"ON/OFF"	-	-	-	-	-	-	-	-	

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.

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE LUMENS	LUMINAIRE COLOR TEMP	LUMINAIRE CRI	DRIVER TYPE	DRIVER VOLTAGE	DRIVER WATTS	MANUFACTURER (CATALOG SERIES)
(D6M)	DESCRIPTION: 6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR MOUNTING: CEILING, RECESSED FINISH: WHITE TRIM FINISH OPTICS: - OPTIONS: - EM: -	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 6"	2,000	3500K		0-10V DIMMING (1%)	120/277	23	GOTHAM (EVO 35/15 AR LSS MWD MVOLT GZ1 TRW) HALO (HC615D010HM612835 61MDHWF) LIGHTOLIER (6RNP6RDL15835CC210U)
(FG22)	DESCRIPTION: 2' X 2' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: 2' - 0" DEPTH: -	3,400	3500K		0-10V DIMMING (1%)	120/277	40	DAYBRITE (2FPZ38L840WDSUNVDIM) LITHONIA (EPANL) TRULY GREEN SOLUTIONS (882440-35-S-F)
(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		0-10V DIMMING (1%)	120/277	50	DAYBRITE (2FPZ43L8354DSUNV DIM) LITHONIA (EPANL) TRULY GREEN SOLUTIONS (882440-35-S-F)
(SW6)	DESCRIPTION: 2' LED VANITY LIGHT, SATIN CHROME FINISH, 2.25" WIDE MOUNTING: SURFACE, WALL FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: 0' - 2.25" DEPTH: -	2,000	3500K		NO DIMMING	120/277	19	EDGE LIGHT (TW12-S11-1RE-36"-35K-CH) EUREKA (3541-35-LED-17.40-120/277-SC-WH) LBL (LW496-OP-XX-LED-277) WAC (WS-77363) BIRCHWOOD (NOL-LED-225)

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LIGHTING SCHEDULES

EL601

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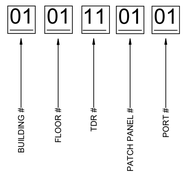

8 TYPICAL CABLE ID EXAMPLE DETAIL
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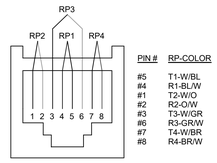
PINNING (T568B)



9 TYPICAL VOICE/DATA OUTLET PINNING DETAIL
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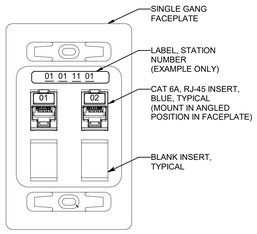

6 TYPICAL 2-PORT WALL DATA OUTLET
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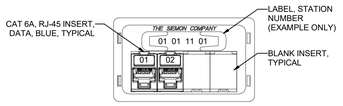

5 TYPICAL 2-PORT FURNITURE DATA OUTLET
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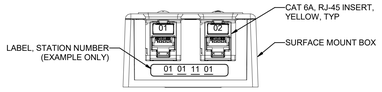

7 TYPICAL 2-PORT WIRELESS ACCESS POINT
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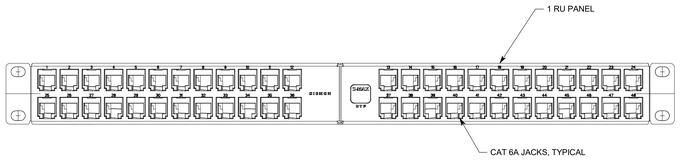
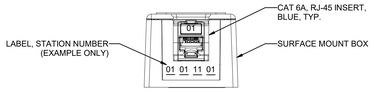
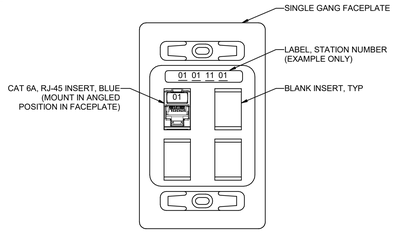


1 STATION PATCH PANEL (SPP1) DETAIL, TDR
SCALE: NTS



2 TYPICAL 1-PORT POE & CAMERA DATA OUTLET
SCALE: NTS



3 TYPICAL 1-PORT WALL DATA OUTLET
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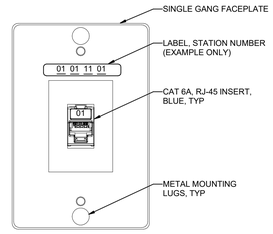

4 TYPICAL 1-PORT WALL PHONE OUTLET
SCALE: NTS

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TELECOM DETAILS

ET501

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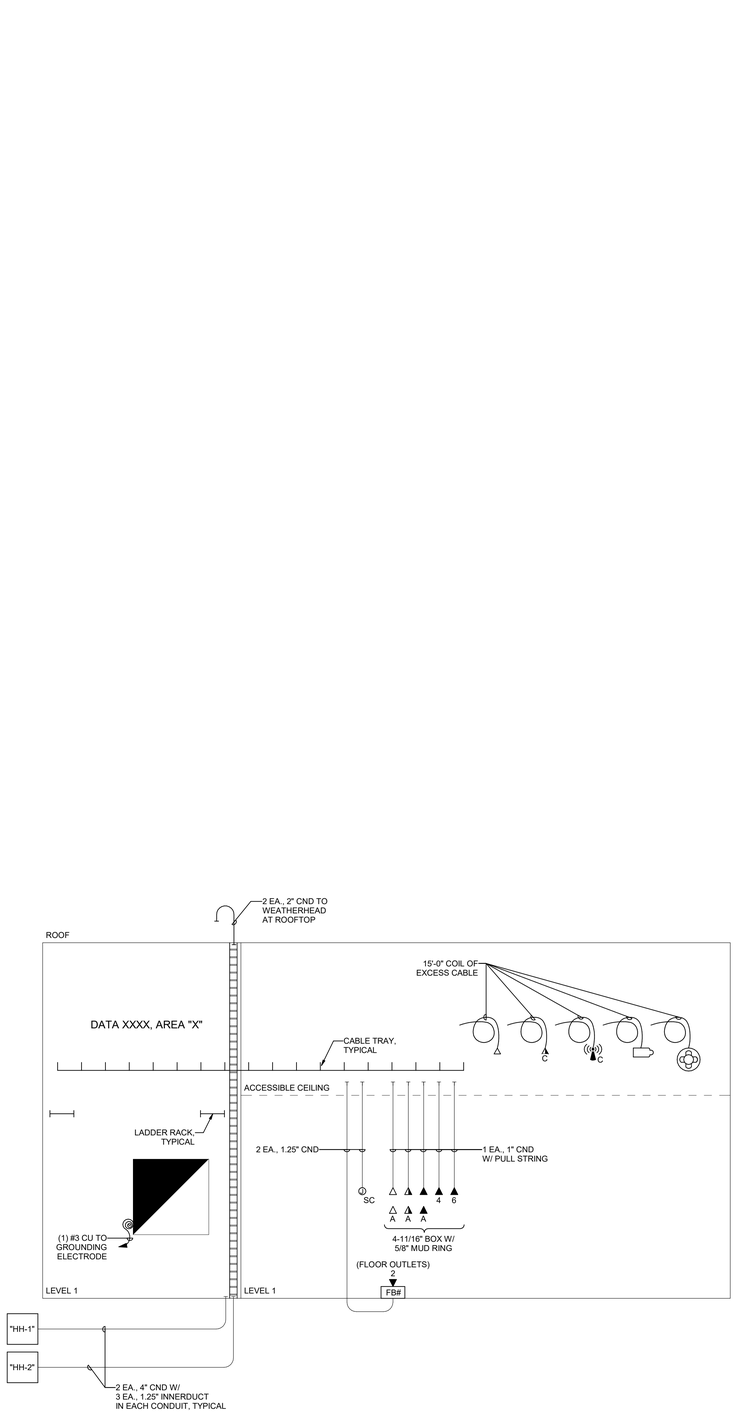

1 TELECOM CONDUIT RISER DIAGRAM

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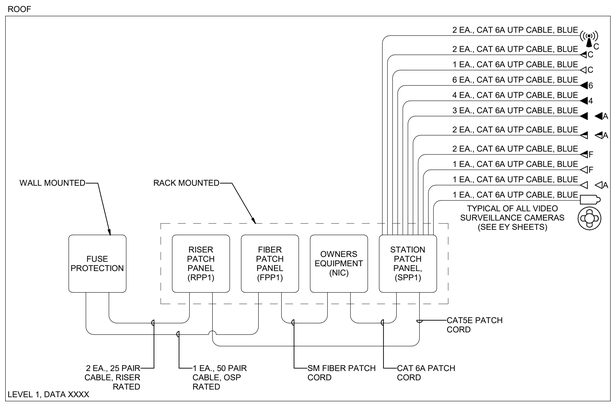

2 TELECOM CABLE RISER DIAGRAM

SCALE: NTS

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TELECOM RISER DIAGRAMS

ET601