Intermountain Health Care

TOSH

Central Processing Remodel

5848 South 300 East
Murray, Utah 84107

Construction Documents

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267857-0301
LICENSED ARCHITECT

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NJRA Project # 19236.00
Construction Documents August 19, 2020

Cover Sheet

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INTERIM LIFE SAFETY MEASURES

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

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

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

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

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

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

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

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

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

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

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

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

INFECTION CONTROL RISK ASSESSMENT

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

INFECTION CONTROL RISK GROUP
Highest:
- Pharmacy

CONSTRUCTION CLASS
Construction Activity Type:

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

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

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

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE FOLLOWING SCOPE OF WORK:

A. EXPANSION OF THE CENTRAL PROCESSING SPACE ALONG WITH PROVIDING DUCTED RETURNS IN ENTIRE AREA.

APPROVALS

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

VICINITY MAP

ABBREVIATIONS

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

DEFERRED SUBMITTALS

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

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

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

SPECIAL INSPECTIONS

NO SPECIAL INSPECTIONS REQUIRED.

DEFINITIONS

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

DRAWING INDEX

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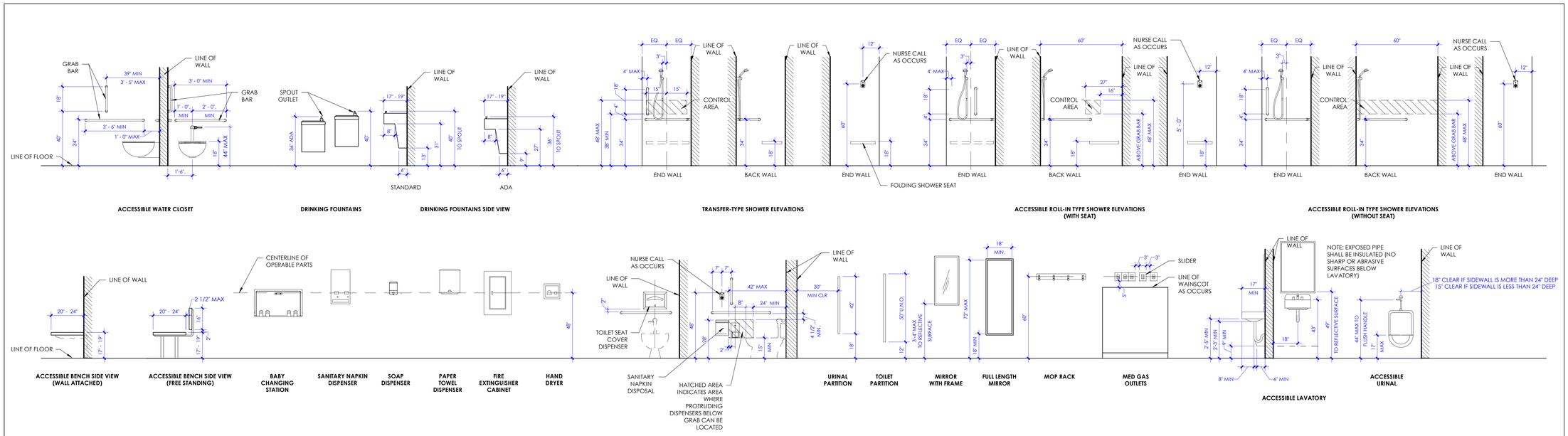
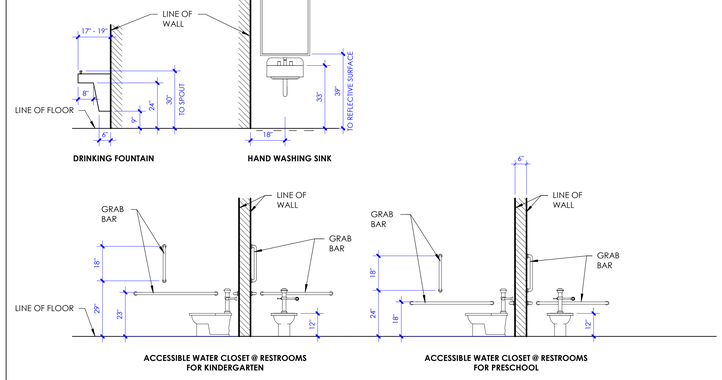


1 Typical Mounting Heights

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

OFFICE-4
155 SF
A324
(O.L. 999)

ROOM COUNT DESIGNATION

DENOTES ROOM AREA OF 155 SQUARE FEET

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

DENOTES OCCUPANT LOAD IN CODE COMPLIANCE PLANS.

DATUM POINT TAG

CEILING HEIGHT TAG

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

B.O.C.
9' - 0"

HEIGHT ABOVE FINISH FLOOR

SPOT 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

T.O.W.
100' - 0"

DENOTES BUILDING REFERENCE ELEVATION

VERTICAL ELEVATION

LEVEL 1
100' - 0"

DENOTES FLOOR LEVEL

DENOTES BUILDING REFERENCE ELEVATION

CENTER LINE

FLOW ARROW

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

FLOOR PLAN MATCHLINE

DETAIL LOCATION NUMBER

SHEET WHERE DRAWN

MATCHLINE

REVISION TAG

CLOUD INDICATES DRAWING REVISION AREA

REVISION NUMBER

KEYED NOTES - PROJECT SPECIFIC

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

DIVISION #

DIVISION NOTE

KEYED NOTES - GENERIC

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

WALL TAG

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

DOOR TAG

DOOR TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

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

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

WINDOW TAG

WINDOWS TAGS ARE INDICATED ON DIMENSION FLOOR PLANS

FLOOR FINISH TAG

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

WALL BASE TAG

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

WALL FINISH TAG

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

CEILING FINISH TAG

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

OTHER FINISH TAG

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

MS1 MM1 WP1 PL1 WC1 AC1

CABINET TAG

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

SIGN TAG

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

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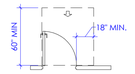
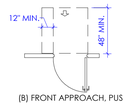
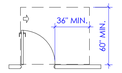
DOORS AND DOORWAYS



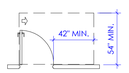
(A) FRONT APPROACH, PULL SIDE



(B) FRONT APPROACH, PUSH SIDE

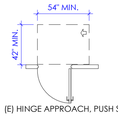


(C) HINGE APPROACH, PULL SIDE

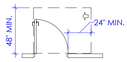


(D) HINGE APPROACH, PULL SIDE

FIG. 404.2.4.1



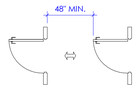
(E) HINGE APPROACH, PUSH SIDE



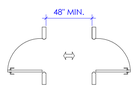
(F) LATCH APPROACH, PULL SIDE

(G) LATCH APPROACH, PUSH SIDE

MANEUVERING CLEARANCE AT SWINGING DOORS

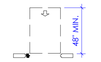


(A)

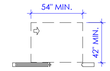


(B)

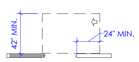
FIG. 404.2.6
TWO DOORS IN A SERIES



(A) FRONT APPROACH



(B) POCKET OR HINGE APPROACH

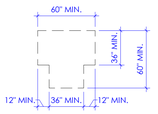


(C) STOP OR LATCH APPROACH

FIG. 404.2.4.2
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

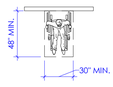
CLEAR FLOOR SPACE

(A) CIRCULAR

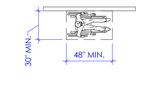


(B) T-SHAPED

FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE

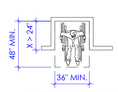


(A) FORWARD

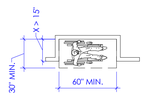


(B) PARALLEL

FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE



(A) FORWARD APPROACH



(B) PARALLEL APPROACH

FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

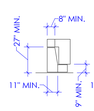


FIG. 306.3
KNEE CLEARANCE

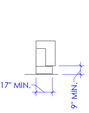


FIG. 306.2
TOE CLEARANCE

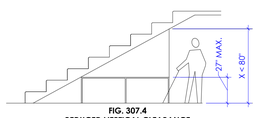


FIG. 307.4
REDUCED VERTICAL CLEARANCE

REACH RANGES

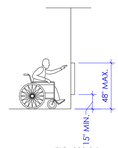


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

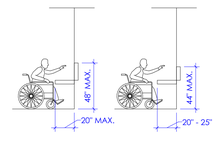


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

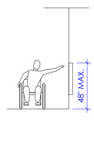


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

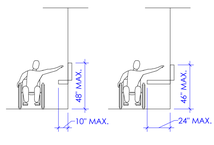


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

GENERAL SITE AND BUILDING ELEMENTS

FIG. 503.3
PASSENGER LOADING ZONE ACCESS AISLE

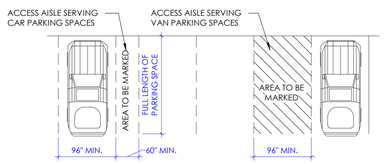
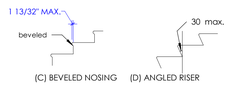


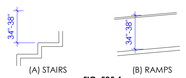
FIG. 502.2/502.3
VEHICLE PARKING SPACE/ PARKING SPACE ACCESS AISLE

(A) VERTICAL RISER (B) CURVED NOSING



(C) BEVELED NOSING (D) ANGLED RISER

FIG. 504.5
STAIR NOSINGS



(A) STAIRS (B) RAMPS

FIG. 505.4
HANDRAIL HEIGHT

FIG. 505.5
HANDRAIL CLEARANCE

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

FIG. 505.7
HANDRAIL CROSS SECTION

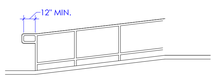


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

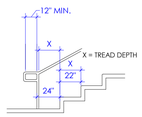


FIG. 505.10.2
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

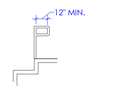


FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

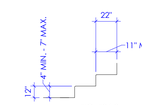


FIG. 504.2
TREADS AND RISERS FOR ACCESSIBLE STAIRWAYS

COMMUNICATION ELEMENTS AND FEATURES

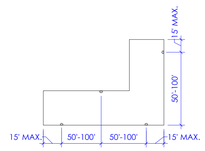
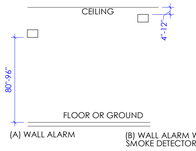


FIG. 702.3.5.1
APPLIANCE SPACING IN CORRIDORS



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

FIG. 702.3.3.1
LOCATION OF WALL-MOUNTED APPLIANCES

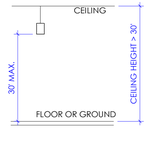
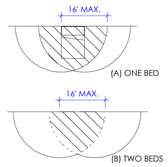


FIG. 702.3.3.2
LOCATION OF CEILING-MOUNTED APPLIANCES



(A) ONE BED (B) TWO BEDS

FIG. 702.3.6.2
APPLIANCE LOCATION IN SLEEPING ROOMS

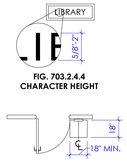
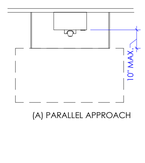


FIG. 703.2.4.4
CHARACTER HEIGHT

FIG. 703.2.8
MOUNTING LOCATION AT DOORS



(A) PARALLEL APPROACH (B) FORWARD APPROACH

FIG. 704.2.1
CLEAR FLOOR OR GROUND SPACE FOR TELEPHONES

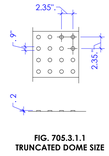


FIG. 705.3.1.1
TRUNCATED DOME SIZE

BUILDING BLOCKS

FIG. 302.3
OPENINGS IN FLOOR OR GROUND SURFACES

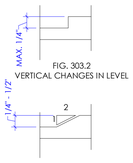


FIG. 303.2
VERTICAL CHANGES IN LEVEL

FIG. 303.3
BEVELED CHANGES IN LEVEL

PROTRUDING OBJECTS

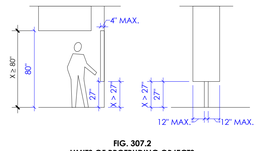


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

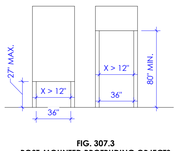
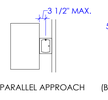


FIG. 307.3
POST-MOUNTED PROTRUDING OBJECTS

PLUMBING ELEMENTS AND FACILITIES



(A) PARALLEL APPROACH (B) FORWARD APPROACH

FIG. 602.5
DRINKING FOUNTAIN SPOUT LOCATION

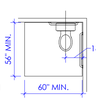
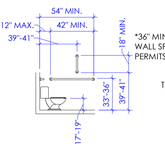


FIG. 604.2/604.3.1
WATER CLOSET LOCATION/ SIZE CLEARANCE



*36" MIN. WHEN WALL SPACE PERMITS

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

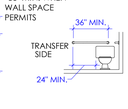


FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

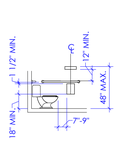
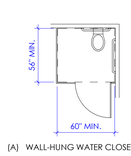


FIG. 604.7
DISPENSER LOCATION



(A) WALL-HUNG WATER CLOSET

(B) FLOOR-MOUNTED WATER CLOSET

FIG. 604.8.1.1
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

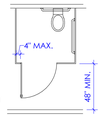
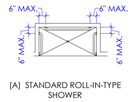
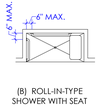


FIG. 604.8.3
TOILET COMPARTMENT DOORS

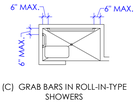


(A) STANDARD ROLL-IN-TYPE SHOWER



(B) ROLL-IN-TYPE SHOWER WITH SEAT

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



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

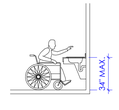


FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS

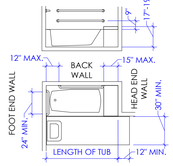


FIG. 607.4.1
GRAB BARS FOR BATHTUBS WITH PERMANENT SEATS (WITH FIG. 607.2 CLEARANCES)

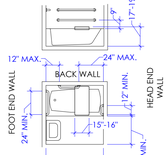


FIG. 607.4.2
GRAB BARS FOR BATHTUBS WITHOUT PERMANENT SEATS (WITH FIG. 607.2 CLEARANCES)

FIG. 607.5
LOCATION OF BATHTUB CONTROLS

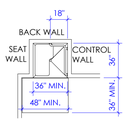


FIG. 608.2.1/608.3.1
TRANSFER-TYPE SHOWER COMPARTMENT WITH GRAB BARS

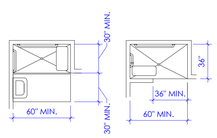
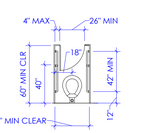
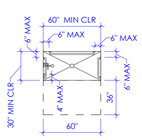


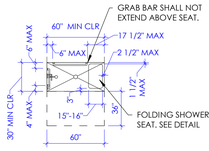
FIG. 608.2.2
STANDARD ROLL-IN-TYPE SHOWER COMPARTMENT



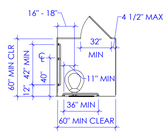
AMBULATORY TOILET COMPARTMENT



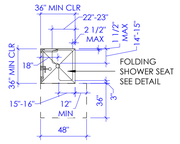
ACCESSIBLE ROLL-IN TYPE SHOWER PLAN (WITHOUT SEAT ADAAG)



ACCESSIBLE ROLL-IN TYPE SHOWER PLAN (WITH SEAT)



ACCESSIBLE TOILET COMPARTMENT



ACCESSIBLE SHOWER PLAN

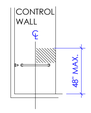
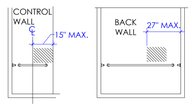


FIG. 608.5
CONTROLS IN TRANSFER-TYPE SHOWERS



(A) (B)

FIG. 608.6
LOCATION OF SHOWER SPRAY UNIT

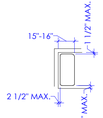


FIG. 610.3.1
RECTANGULAR SHOWER COMPARTMENT SEAT

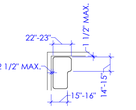


FIG. 610.3.2
L-SHAPED SHOWER COMPARTMENT SEAT

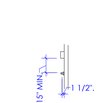
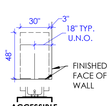
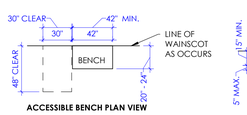


FIG. 609.3
SPACING OF GRAB BARS

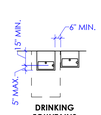
ACCESSIBLE URINAL PLAN



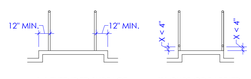
ACCESSIBLE LAVATORY PLAN



ACCESSIBLE BENCH PLAN VIEW

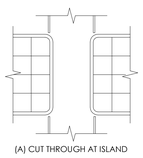


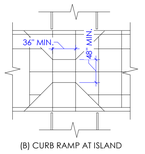
DRINKING FOUNTAINS PLAN VIEW



(A) EXTENDED SURFACE (B) CURB OR BARRIER

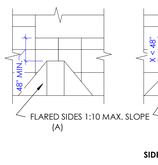
FIG. 405.9
RAMP EDGE PROTECTION


(A) CUT THROUGH AT ISLAND



(B) CURB RAMP AT ISLAND

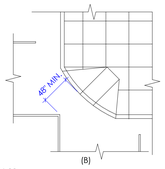
FIG. 406.12
ISLANDS



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

FIG. 406.4
SIDES OF CURB RAMPS

(A)



(B)

FIG. 406.11
DIAGONAL CURB RAMPS

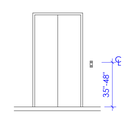


FIG. 407.2.2
ELEVATOR CALL BUTTONS

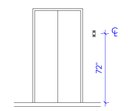


FIG. 407.2.3.2.1
HEIGHT OF ELEVATOR VISIBLE SIGNALS

ACCESSIBLE ROUTES

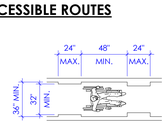


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

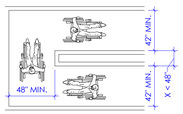
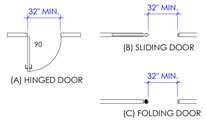
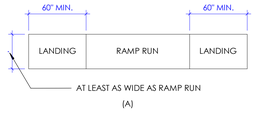


FIG. 403.5.1
CLEAR WIDTH AT TURN

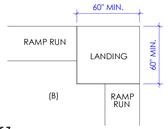


(A) HINGED DOOR (B) SLIDING DOOR (C) FOLDING DOOR

FIG. 404.2.3
CLEAR WIDTH OF DOORWAYS



(A)



(B)

FIG. 405.7
RAMP LANDINGS

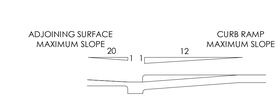


FIG. 406.3
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS

8/19/2020 3:40:11 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
www.njraarchitects.com

STATE OF UTAH
SELVAM RAJAVELU
267857-0301
LICENSED ARCHITECT

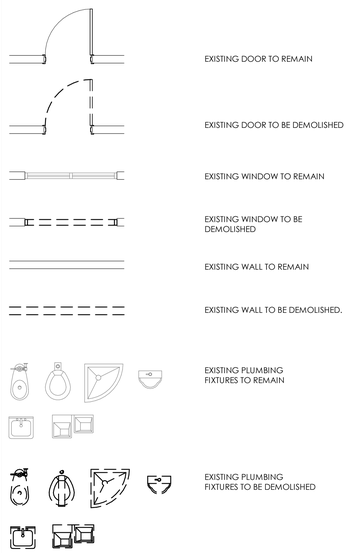
Intermountain Health Care
TOSH Central Processing Remodel
5848 South 300 East
Murray, Utah 84107

NJRA Project # 19236.00
Construction Documents August 19, 2020

American National Standard Institute Requirements
G004

LEGEND - DEMOLITION FLOOR PLAN

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



EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE DEMOLISHED

EXISTING WINDOW TO REMAIN

EXISTING WINDOW TO BE DEMOLISHED

EXISTING WALL TO REMAIN

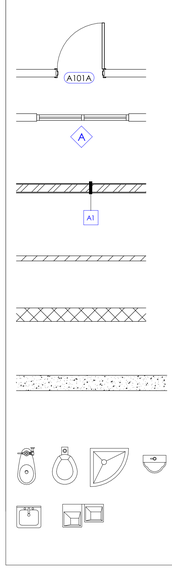
EXISTING WALL TO BE DEMOLISHED.

EXISTING PLUMBING FIXTURES TO REMAIN

EXISTING PLUMBING FIXTURES TO BE DEMOLISHED

LEGEND - FLOOR & DIMENSION PLANS

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



NEW DOOR IN NEW WALL. SEE DOOR SCHEDULE.

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

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

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

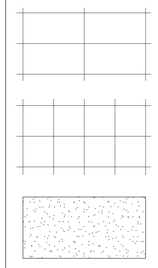
NEW CMU WALL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.

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

NEW PLUMBING FIXTURES

LEGEND - REFLECTED CEILING PLAN

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



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

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

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

NEW SUPPLY AIR GRILLE - SEE MECHANICAL DRAWINGS

NEW RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS

NEW EXHAUST FAN - SEE MECHANICAL DRAWINGS

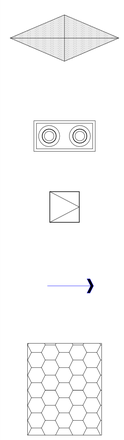
9'-0"

CEILING HEIGHT ABOVE FINISHED FLOOR

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

LEGEND - ROOF PLAN

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



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

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

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

SLOPE DOWN DIRECTION FOR WATER FLOW TOWARD ROOF DRAINS.

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GENERAL NOTES - DEMOLITION FLOOR PLAN

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

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

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

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

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

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

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

GENERAL NOTES - FLOOR & DIM. PLANS

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

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

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

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

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

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

G. VERIFY WITH ARCHITECT FOR DIMENSIONS NOT SHOWN.

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

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

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

K. SEE FINISH SCHEDULE AND STRUCTURAL DRAWINGS AND PROVIDE RECESS IN CONCRETE FLOOR SLAB AS REQUIRED TO 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 **11 / A503A** .

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

GENERAL NOTES - WALL SECTIONS

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

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

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

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

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

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

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

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

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

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

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

GENERAL NOTES - ROOF PLAN

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

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

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

GENERAL NOTES - INTERIOR ELEVATIONS

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

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

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

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

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

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

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

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

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

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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General Legend & Notes

G005

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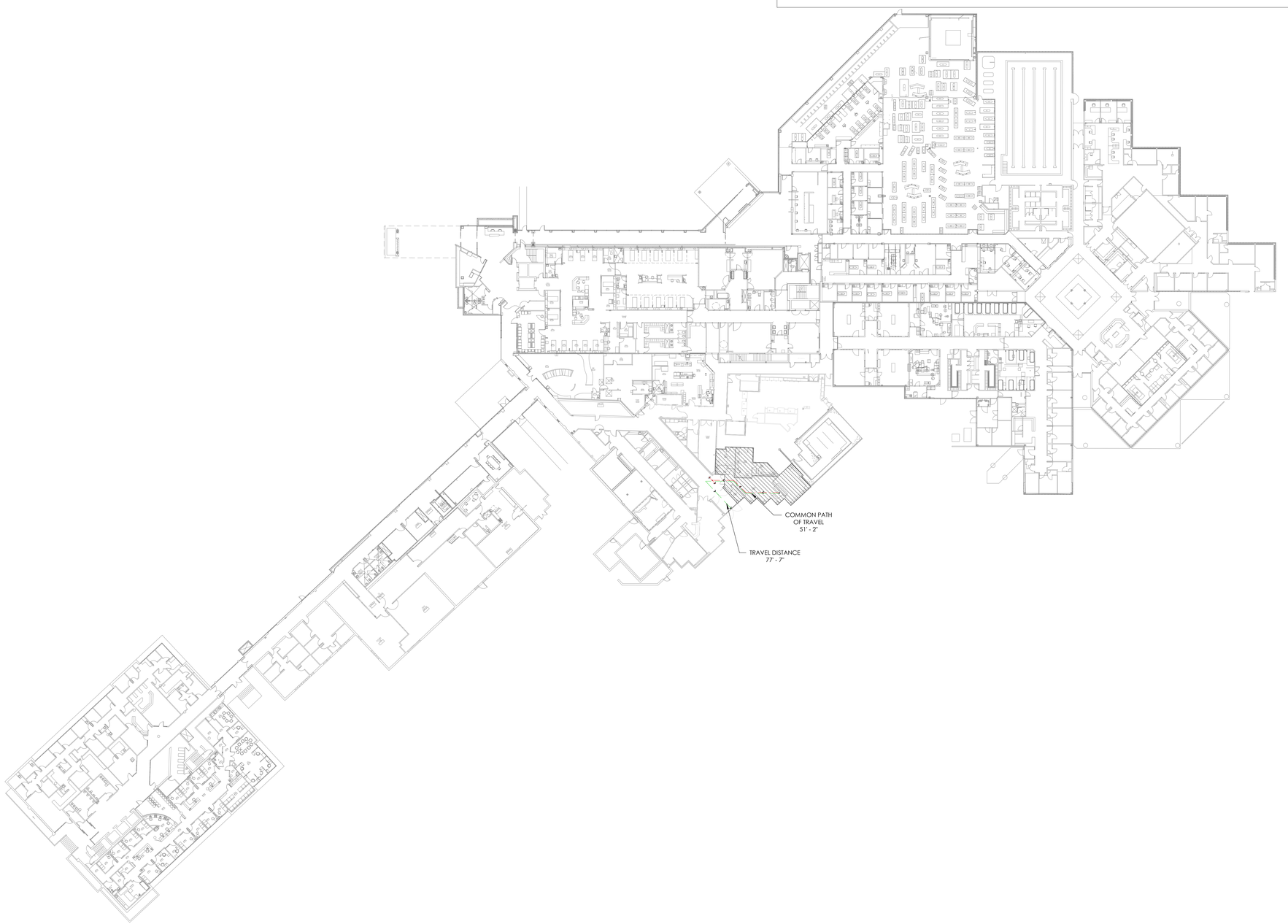
LEGEND

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

KEYED NOTES



1 Code Compliance Floor Plan Level 1 - Overall
SCALE: 1" = 30'-0"

NORTH

CODE REVIEW

APPLICABLE CODES

International Building Code (IBC)	2018
International Fire Code (IFC)	2018
International Mechanical Code (IMC)	2018
International Plumbing Code (IPC)	2018
ANSI/ASHRAE/IES Standard 90.1	2010
National Electric Code (NEC)	2014
NFPA 101	2018
ANSI 117.1	2009

FIRE RESISTANCE RATING FOR BUILDING ELEMENTS (TABLE 601)

	Required	Provided
Non-Bearing Walls:		
Interior	0	0

OCCUPANCY : I-2 (Hospital)

CONSTRUCTION TYPE : Existing

OTHER CODE REQUIREMENTS

Travel Distance	: Unchanged
Common Path of Travel	: Unchanged
Minimum Corridor Width	: Unchanged
Roof Covering Classification	: Unchanged

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

OCCUPANT LOADS:
Business (Institutional) : 150 Sq. Ft. Gross per Occupant

Total Occupant Load **: Unchanged**

Egress width required : Unchanged
Egress width provided : Unchanged

BUILDING AREA
Allowable Area (per floor): Unchanged

Actual Area (per floor): Unchanged

NUMBER OF STORIES
Allowable Stories : Unchanged
Actual Stories : Unchanged

BUILDING HEIGHT
Allowable Height : Unchanged
Actual Height : Unchanged

PLUMBING FIXTURES REQUIRED: Unchanged

PLUMBING FIXTURES PROVIDED: Unchanged

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Code Compliance Plan Level 1 - Overall

G111

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VIEW & PRINT THIS SHEET IN COLOR FOR CLARITY

KEYED NOTES

02.01 REMOVE EXISTING LVT FLOORING AND COVED RUBBER BASE FROM ENTIRE ROOMS AS INDICATED. PREP FLOOR TO RECEIVE NEW FINISHES - FLOAT AS REQUIRED.

02.02 EXISTING WOOD DOOR AND HOLLOW METAL FRAME TO REMAIN. PROTECT DURING CONSTRUCTION.

02.03 REMOVE EXISTING PLASTIC LAMINATE BUILT-IN CABINETRY COMPLETELY AS INDICATED. PREP WALLS TO RECEIVE NEW FINISHES.

02.04 REMOVE EXISTING WOOD CRASH RAIL ABOVE RUBBER BASE AS INDICATED. PREP WALLS TO RECEIVE NEW FINISHES.

02.05 REMOVE EXISTING PAINED WOOD DOUBLE WALL TRIM AT WINDOW HEAD HEIGHT AS INDICATED. PREP WALLS TO RECEIVE NEW FINISHES.

02.06 REMOVE EXISTING WOOD VALANCE PANEL AND ROLLER BLINDS AT WINDOW HEAD AS INDICATED.

02.07 REMOVE EXISTING PATIENT PRIVACY CURTAIN AND TRACK AS INDICATED. SALVAGE AND RETURN TO OWNER.

02.08 REMOVE PORTION OF EXISTING METAL STUD DRYWALL PARTITION AS REQUIRED. WALL TO BE REMOVED FROM FLOOR TO 9' - 0" HIGH. PARTITION ABOVE THIS TO REMAIN., PREP WALLS TO RECEIVE NEW FINISHES.

02.09 REMOVE EXISTING WALL MOUNTED HANDWASH SINK AS INDICATED. CAP PLUMBING LINES INSIDE WALL - WATER LINES TO BE REMOVED BACK TO MAIN LINE CONNECTION. PREP WALLS TO RECEIVE NEW FINISHES.

02.10 REMOVE EXISTING WALL MOUNTED PAPER TOWEL DISPENSER AS INDICATED. SALVAGE AND RETURN TO OWNER. PREP WALLS TO RECEIVE NEW FINISHES.

02.11 EXISTING THERMOSTAT TO REMAIN - SEE MECHANICAL DRAWINGS.

02.12 EXISTING FIRE EXTINGUISHER, SIGNAGE, AND CABINET TO REMAIN. PROTECT DURING CONSTRUCTION.

02.13 EXISTING FIRE HORN/STROBE TO REMAIN AS INDICATED - SEE ELECTRICAL DRAWINGS.

02.14 REMOVE EXISTING WALL MOUNTED TACK BOARD AS INDICATED. SALVAGE AND RETURN TO OWNER.

02.15 REMOVE EXISTING SOAP DISPENSER AS INDICATED. SALVAGE AND RETURN TO OWNER. PREP WALLS TO RECEIVE NEW FINISHES.

02.16 REMOVE EXISTING DOUBLE LIGHT SWITCH AS INDICATED - SEE ELECTRICAL DRAWINGS.

02.17 REMOVE EXISTING WALL MOUNTED MAGAZINE RACK AS INDICATED. SALVAGE AND RETURN TO OWNER. PREP WALLS TO RECEIVE NEW FINISHES.

02.18 EXISTING AUTOMATIC DOOR OPERATOR SWITCH AND TOILET ROOM SIGNAGE TO REMAIN. PROTECT DURING CONSTRUCTION.

02.28 EXISTING CERAMIC TILE FLOORING TO REMAIN. PROTECT DURING CONSTRUCTION.

02.29 EXISTING SHEET VINYL FLOORING AND BASE TO REMAIN. PROTECT DURING CONSTRUCTION.

02.30 CONTRACTOR TO CUT AND REMOVE EXISTING SHEET VINYL BASE AT WALL SECTION TO BE REMOVED. SHEET VINYL FLOORING TO BE CUT AS CLOSE TO WALL AS POSSIBLE AND PROTECTED FOR CONNECTION TO NEW FLOORING AND BASE TIE-IN.

02.31 CONTRACTOR TO CUT AND REMOVE EXISTING SHEET VINYL FLOORING AT DOOR TRANSITION. SHEET VINYL FLOORING TO BE PROTECTED FOR CONNECTION TO NEW FLOORING.

02.51 EXISTING NURSE CALL LIGHT TO REMAIN - PROTECT DURING CONSTRUCTION.

02.52 EXISTING MILLWORK TO REMAIN - PROTECT DURING CONSTRUCTION.

02.53 REMOVE EXISTING SECTION OF DRYWALL PARTITION COMPLETELY AS INDICATED.

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.

NOTE:
CONTRACTOR TO COMPLY WITH ICRA STANDARDS IN KEEPING AREAS OF DEMOLITION AND CONSTRUCTION SEPARATED FROM SURROUNDING SPACES AT ALL TIMES DURING WORK. COORDINATE WITH OWNER AND CREATE SEPARATED CONSTRUCTION ZONES AS REQUIRED BY THE WORK AND MAINTAIN APPROPRIATE DUST BARRIERS AND/OR CONSTRUCTION WALLS REQUIRED TO KEEP NEGATIVE AIR ZONES AND NOT EMIT DEMOLITION/CONSTRUCTION DUST INTO CLEAN AREAS. THIS WORK IS OCCURING IN CLEAN AREAS OF THE HOSPITAL AND IT IS ESSENTIAL THAT CONTRACTOR MAINTAINS THIS SEPARATION AND CLEANLINESS REQUIRED.

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

NORTH

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Demolition Floor Plan Level 1 - Overall

A111

1 Reflected Ceiling Demolition Plan Level 1

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

NORTH

KEYED NOTES

02.06 REMOVE EXISTING WOOD VALANCE PANEL AND ROLLER BLINDS AT WINDOW HEAD AS INDICATED.

02.07 REMOVE EXISTING PATIENT PRIVACY CURTAIN AND TRACK AS INDICATED. SALVAGE AND RETURN TO OWNER.

02.19 REMOVE EXISTING LAY-IN ACOUSTICAL CEILING SYSTEM COMPLETELY AS INDICATED.

02.20 REMOVE EXISTING CEILING CAN LIGHTS - SEE ELECTRICAL DRAWINGS.

02.21 REMOVE EXISTING CONCEALED UPLIGHTING FIXTURES IN COFFERS - SEE ELECTRICAL DRAWINGS.

02.22 EXISTING WALL MOUNTED EXIT LIGHT TO REMAIN - SEE ELECTRICAL DRAWINGS.

02.23 REMOVE EXISTING FIRE SPRINKLER HEADS - SEE PLUMBING DRAWINGS.

02.24 REMOVE EXISTING LAY-IN FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.

02.25 REMOVE LOWER COFFER DRYWALL CEILING SYSTEM COMPLETELY AS INDICATED. PREP WALLS TO RECEIVE NEW FINISHES.

02.26 EXISTING DRYWALL HEADER TO REMAIN. PREP WALLS TO RECEIVE NEW FINISHES.

02.27 EXISTING LAY-IN ACOUSTICAL CEILING SYSTEM, LIGHTS, DIFFUSERS, AND SPRINKLER HEADS TO REMAIN.

02.54 REMOVE SECTIONS OF EXISTING LAY-IN CEILING SYSTEM AS REQUIRED FOR REMOVAL OF DRYWALL PARTITION.

02.55 REMOVE EXISTING CEILING TILES IN AREAS INDICATED - SALVAGE TILES FOR REINSTALLATION. CONTRACTOR TO COORDINATE REMOVAL AND EXTENT OF REMOVAL OF CEILING TILES AS REQUIRED TO ACCOMMODATE THE MECHANICAL WORK - COORDINATE WITH MECHANICAL DRAWINGS. EXISTING TILES THAT ARE VINYL FACED AND CAULKED CLEAN ROOM TYPE SYSTEM ARE TO BE REINSTALLED AND RE-CAULKED IF ORIGINALLY CAULKED

02.56 EXISTING CEILING RETURN AIR GRILLE OR SUPPLY AIR DIFFUSER TO BE REMOVED - SEE MECHANICAL DRAWINGS.

02.57 CUT AND REMOVE SECTION OF EXISTING DRYWALL CEILING SYSTEM REQUIRED FOR INSTALLATION OF NEW RA GRILLE AND DUCTWORK - COORDINATED WITH MECHANICAL DRAWINGS.

02.58 EXISTING DRYWALL CEILING SYSTEM TO REMAIN.

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 Ceiling Plan - Overall

A112

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KEYED NOTES

02.02 EXISTING WOOD DOOR AND HOLLOW METAL FRAME TO REMAIN. PROTECT DURING CONSTRUCTION.
02.12 EXISTING FIRE EXTINGUISHER, SIGNAGE, AND CABINET TO REMAIN. PROTECT DURING CONSTRUCTION.
02.18 EXISTING AUTOMATIC DOOR OPERATOR SWITCH AND TOILET ROOM SIGNAGE TO REMAIN. PROTECT DURING CONSTRUCTION.
02.28 EXISTING CERAMIC TILE FLOORING TO REMAIN. PROTECT DURING CONSTRUCTION.
02.52 EXISTING MILLWORK TO REMAIN - PROTECT DURING CONSTRUCTION.
05.01 NEW STAINLESS STEEL CORNER GUARD 4'-0" HIGH MOUNTED ABOVE BASE.
09.02 PATCH AND REPAIR EXISTING CONCRETE FLOOR SLAB AS REQUIRED FOR NEW FLOOR FINISH. PROVIDE AND INSTALL NEW SHEET VINYL FLOORING AND INTEGRAL COVED BASE IN ROOM INDICATED.
09.03 PREPARE EXISTING SHEET VINYL FLOORING AND BASE AS REQUIRED TO RECEIVE TIE-IN TO THE NEW SHEET VINYL FLOORING AND INTEGRAL COVED BASE. PROVIDE NEW WELDED SEAMING AS REQUIRED AT FLOORING AND BASE TO PROVIDE SMOOTH TRANSITION BETWEEN NEW AND EXISTING MATERIALS.
09.04 PREPARE EXISTING SHEET VINYL FLOORING AS REQUIRED TO RECEIVE TIE-IN TO THE NEW SHEET VINYL FLOORING. PROVIDE NEW WELDED SEAMING AS REQUIRED AT FLOORING TO PROVIDE SMOOTH TRANSITION BETWEEN NEW AND EXISTING MATERIALS.
09.05 PREPARE EXISTING CONCRETE FLOOR SURFACE AND FLOAT SURFACE AS REQUIRED TO RECEIVE LEVEL TIE-IN BETWEEN THE NEW SHEET VINYL FLOORING AND EXISTING CERAMIC TILE FLOORING.
09.06 2" WIDE SHEET VINYL "RED LINE" INSET INTO NEW FLOORING.
09.07 PATCH AND REPAIR ALL WALL SURFACES AS REQUIRED TO MATCH EXISTING WALL SURFACE FINISH. PREPARE AND REPAINT WALLS AS INDICATED. PAINT TO BE 2 PART EPOXY PAINT IN COLOR TO MATCH EXISTING WALL COLOR IN CENTRAL PROCESSING AREA.
09.08 PROVIDE AND INSTALL METAL STUDS AND DRYWALL PARTITION AT THE TOP OF THE EXISTING PONY WALL INDICATED. NEW PARTITION TO CONTINUE TO ABOVE FINISH CEILING LEVEL.
09.11 PREPARE AND MODIFY EXISTING METAL STUD FRAMING AS REQUIRED TO PROVIDE 16" MAX. STUD SPACING. PROVIDE AND INSTALL NEW 5/8" DRYWALL AND FINISH TO MATCH EXISTING WALL SURFACES.
09.12 PREPARE CONCRETE SLAB AND FLOAT LEVEL TO ACCEPT NEW FLOORING. PROVIDE AND INSTALL NEW SHEET VINYL FLOORING AND INTEGRAL BASE TO MATCH EXISTING. WELD NEW VINYL FLOORING AND BASE TO EXISTING.
09.13 PREPARE AND REPAINT ALL WALL SURFACES IN ROOM AS INDICATED.
09.14 PREPARE AND PAINT/REPAINT DRYWALL SURFACES AS INDICATED.
09.18 PATCH, REPAIR AND PREPARE WALL AT DEMOLISHED HANDSINK REMOVAL. WALL SURFACE TO MATCH EXISTING DRYWALL SURFACE AND BE PAINTED.

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.

NORTH

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

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Intermountain Health Care
TOSH
Central Processing Remodel
5848 South 300 East
Murray, Utah 84107

NJRA Project # 19236.00
Construction Documents August 19, 2020

Floor Plan
Level 1 -
Overall

A113

1 Reflected Ceiling Plan Level 1

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

NORTH

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KEYED NOTES

01.00	DIVISION 01 - GENERAL REQUIREMENTS
02.22	EXISTING WALL MOUNTED EXIT LIGHT TO REMAIN - SEE ELECTRICAL DRAWINGS.
02.27	EXISTING LAY-IN ACOUSTICAL CEILING SYSTEM, LIGHTS, DIFFUSERS, AND SPRINKLER HEADS TO REMAIN.
02.58	EXISTING DRYWALL CEILING SYSTEM TO REMAIN.
09.07	PATCH AND REPAIR ALL WALL SURFACES AS REQUIRED TO MATCH EXISTING WALL SURFACE FINISH. PREPARE AND REPAINT WALLS AS INDICATED. PAINT TO BE 2 PART EPOXY PAINT IN COLOR TO MATCH EXISTING WALL COLOR IN CENTRAL PROCESSING AREA.
09.08	PROVIDE AND INSTALL METAL STUDS AND DRYWALL PARTITION AT THE TOP OF THE EXISTING PONY WALL INDICATED. NEW PARTITION TO CONTINUE TO ABOVE FINISH CEILING LEVEL.
09.09	PROVIDE AND INSTALL NEW VINYL FACED CLEAN ROOM 2' X 2' LAY-IN CEILING TILE SYSTEM.
09.10	PATCH AND REPAIR EXISTING DRYWALL SURFACE AT AREAS OF REMOVED WINDOW VALANCE AND ROLLER SHADES AS REQUIRED TO MATCH EXISTING FINISHES.
09.15	PROVIDE AND INSTALL NEW VINYL FACED CLEAN ROOM 2' X 2' LAY-IN CEILING TILE SYSTEM TO MATCH EXISTING AT EXTENSION OF ROOM.
09.17	REINSTALL EXISTING CEILING TILES IN AREAS THAT WERE REMOVED FOR INSTALLATION OF NEW DUCTING. REPLACE ANY DAMAGED TILES AND/OR CEILING GRID SYSTEM AS NEEDED. COORDINATE WITH MECHANICAL DRAWINGS.
09.19	NEW DRYWALL HEADER AT ELEVATION TO MATCH EXISTING HEADER TO REMAIN. PROVIDE DRYWALL AT EXISTING FRAMING AS REQUIRED TO MATCH EXISTING WALL FINISH. PREPARE AND PAINT ENTIRE HEADER WALL SURFACES.
09.20	PROVIDE REQUIRED DRYWALL AND SUSPENSION SYSTEM AS REQUIRED TO PATCH AND REPAIR EXISTING CEILING SYSTEM AFTER INSTALLATION OF NEW RA DUCTWORK AND EQUIPMENT. PATCH AND REPAIR AS REQUIRED AND REPAINT CEILING WITH 2 PART EPOXY SEMI GLOSS PAINT TO MATCH EXISTING COLOR.
23.01	NEW RETURN AIR GRILLES AND SUPPLY AIR DIFFUSERS - SEE MECHANICAL DRAWINGS

GENERAL NOTES

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

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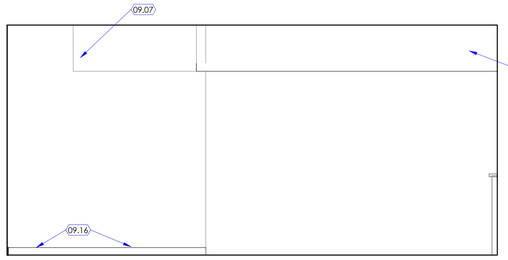
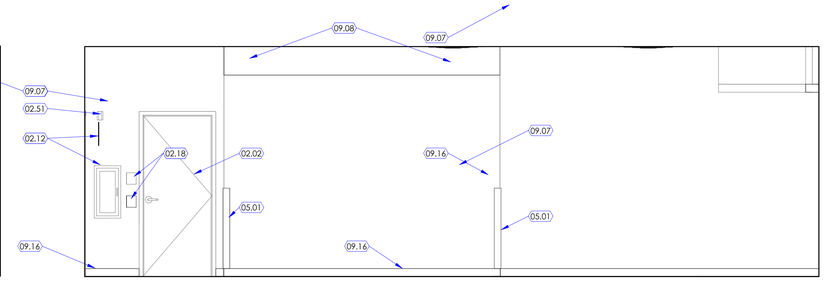
Reflected Ceiling Plan Level 1 - Overall

A115



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



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

KEYED NOTES

02.02 EXISTING WOOD DOOR AND HOLLOW METAL FRAME TO REMAIN. PROTECT DURING CONSTRUCTION.
02.12 EXISTING FIRE EXTINGUISHER, SIGNAGE, AND CABINET TO REMAIN. PROTECT DURING CONSTRUCTION.
02.18 EXISTING AUTOMATIC DOOR OPERATOR SWITCH AND TOILET ROOM SIGNAGE TO REMAIN. PROTECT DURING CONSTRUCTION.
02.51 EXISTING NURSE CALL LIGHT TO REMAIN - PROTECT DURING CONSTRUCTION.
05.01 NEW STAINLESS STEEL CORNER GUARD 4'-0" HIGH MOUNTED ABOVE BASE.
09.07 PATCH AND REPAIR ALL WALL SURFACES AS REQUIRED TO MATCH EXISTING WALL SURFACE FINISH. PREPARE AND REPAINT WALLS AS INDICATED. PAINT TO BE 2 PART EPOXY PAINT IN COLOR TO MATCH EXISTING WALL COLOR IN CENTRAL PROCESSING AREA.
09.08 PROVIDE AND INSTALL METAL STUDS AND DRYWALL PARTITION AT THE TOP OF THE EXISTING PONY WALL INDICATED. NEW PARTITION TO CONTINUE TO ABOVE FINISH CEILING LEVEL.
09.16 NEW INTEGRAL 4" HIGH SHEET VINYL BASE.

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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Interior Elevations

A251

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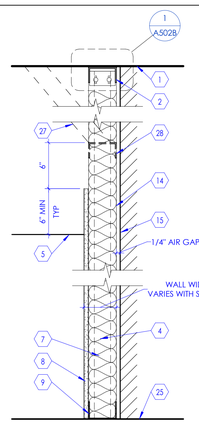
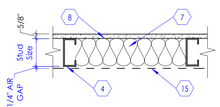


SECTION VIEW

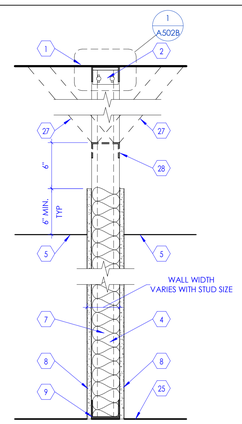


PLAN VIEW

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



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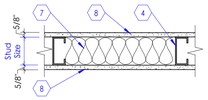
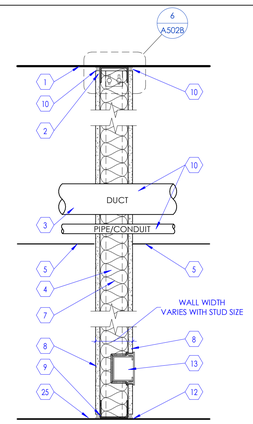


PLAN VIEW

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

Type - B

Typical Metal
Stud Wall



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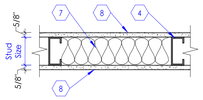


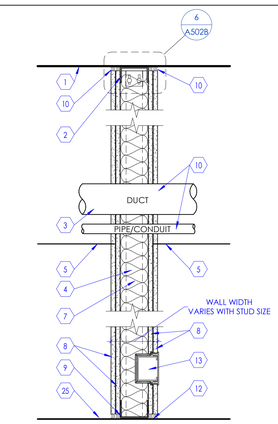
PLAN VIEW

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

Type - C

1 Hour Fire Rated

UL DESIGN #: U465



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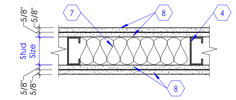


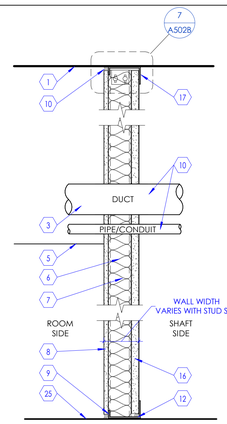
PLAN VIEW

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

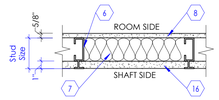
Type - D

2 Hour Fire Rated

UL DESIGN #: U411



SECTION VIEW



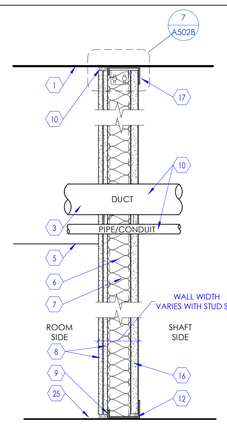
PLAN VIEW

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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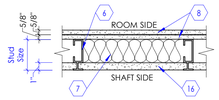


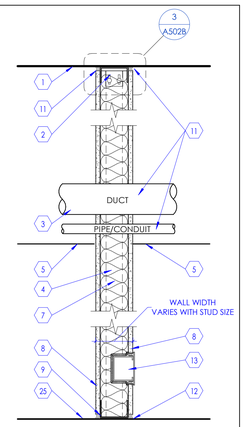
PLAN VIEW

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

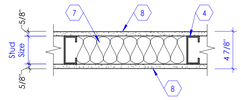
Type - F

2 Hour Fire Rated
Shaft Wall

UL DESIGN #: U415 SYS. A



SECTION VIEW

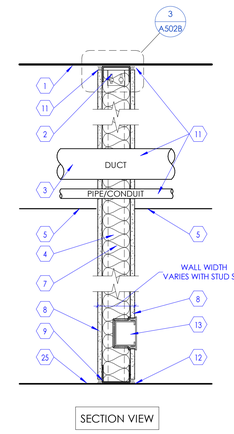


PLAN VIEW

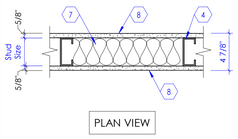
WALL TYPE	STUD SIZE	WALL WIDTH
G2	2 1/2"	3 3/4"
G3	3 5/8"	4 7/8"
G4	4"	5 1/4"
G6	6"	7 1/4"

Type - G

Smoke Partition



SECTION VIEW



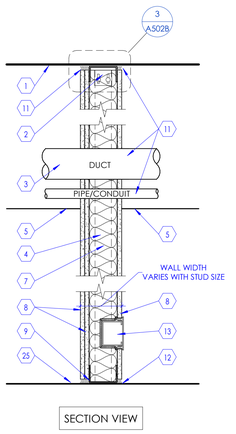
PLAN VIEW

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



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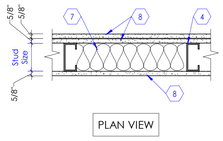


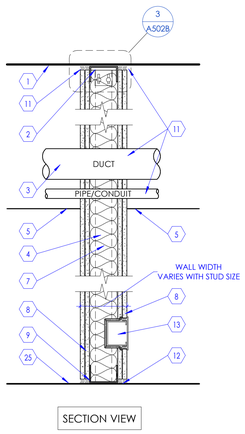
PLAN VIEW

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

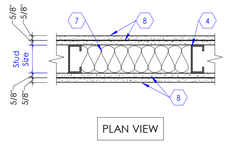
Type - J

Sound Barrier 45 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



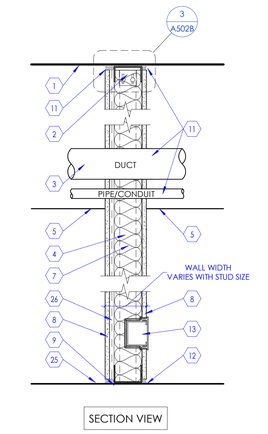
PLAN VIEW

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



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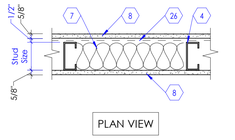


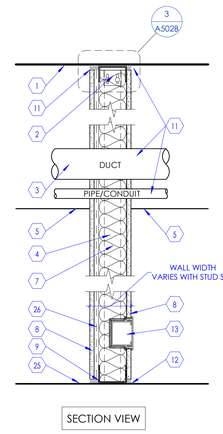
PLAN VIEW

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

Type - L

Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



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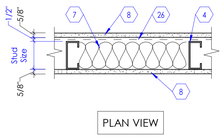


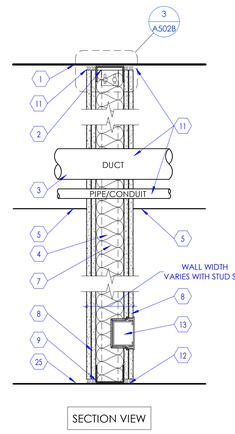
PLAN VIEW

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

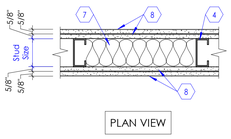
Type - M

1 Hour Fire Rated
Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



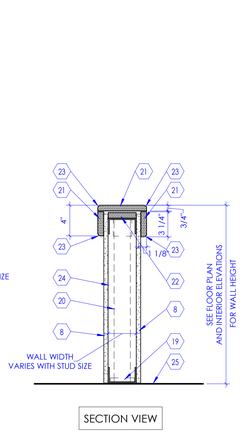
PLAN VIEW

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

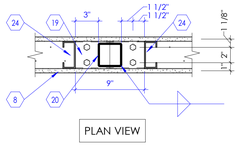
Type - N

2 Hour Fire Rated
Sound Barrier 50 STC

Sound Attenuation (STC) Test: NGC 25116



SECTION VIEW



PLAN VIEW

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

Type - P

Partial Height Wall

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

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

KEYED NOTE

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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Intermountain Health Care
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Murray, Utah 84107

NJRA Project # 19236.00
Construction Documents August 19, 2020

Wall Types

A501A

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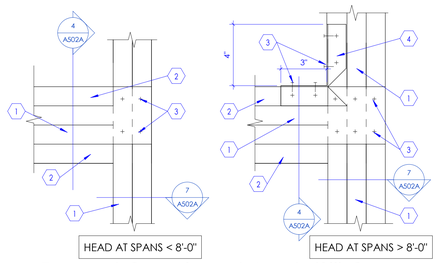
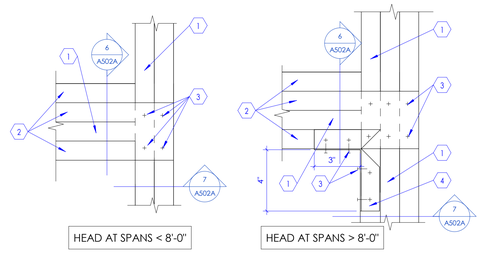


KEYED NOTES

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

1 Framed Opening at Jamb/Sill Corner

SCALE: 3" = 1'-0"

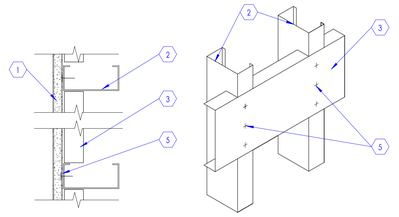


KEYED NOTES

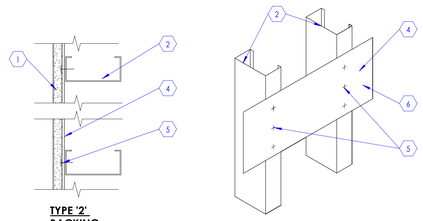
1. METAL STUDS. SEE DETAIL **6 / A502A**
2. METAL TRACK. SEE DETAIL **6 / A502A**
3. SHEET METAL SCREWS 4 #12 EA. SIDE.
4. BENT TRACK - 18 GA MIN. COPE WEB AT JAMB-HEADER CONDITION.

2 Framed Opening at Jamb/Head Corner

SCALE: 3" = 1'-0"



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

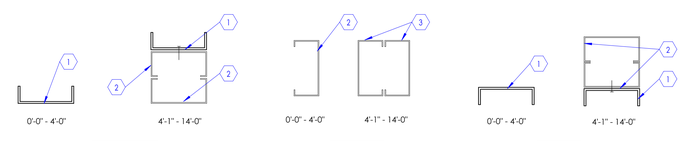
1. EXTEND BACKING PLATE TO NEXT STUD BEYOND SIDE OF FIXTURE OR ACCESSORIES - BOTH SIDES.
2. PROVIDE METAL SLEEVES THROUGH WALL FINISH AT FIXTURE AND EQUIPMENT FASTENING.
3. FOR MECHANICAL WORK ANCHORAGE SEE MECHANICAL DRAWINGS.

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.



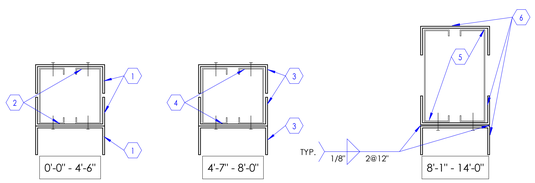
3 Typical Duct Opening

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.



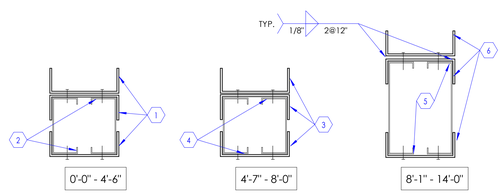
4 Typical Window Opening Framing at Sill

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.



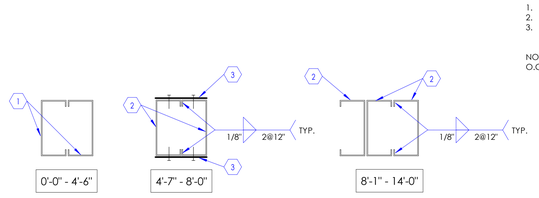
6 Typical Door and Window Opening Framing at Header

SCALE: 3" = 1'-0"

KEYED NOTES

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

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

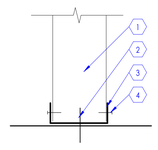


7 Typical Door and Window Opening Framing at Jamb

SCALE: 3" = 1'-0"

KEYED NOTES

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

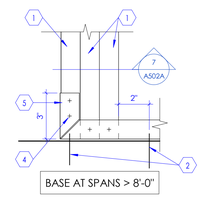


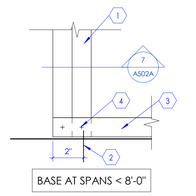
8 Base Track Detail

SCALE: 3" = 1'-0"

KEYED NOTES

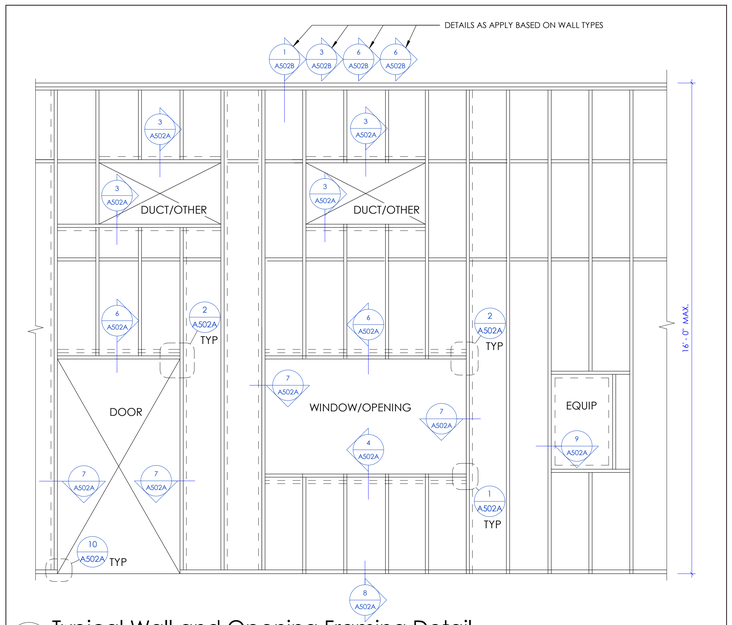
1. METAL STUDS. SEE WALL TYPES.
2. POWDER DRIVEN PINS .014" DIA. WITH 1-1/4" MIN. EMBED AT 2'-0" O.C. AND AT 2" FROM THE ENDS.
3. METAL TRACK - 18 GA MIN.
4. SHEET METAL SCREWS #12 EA. SIDE.
5. BENT TRACK - 18 GA MIN.





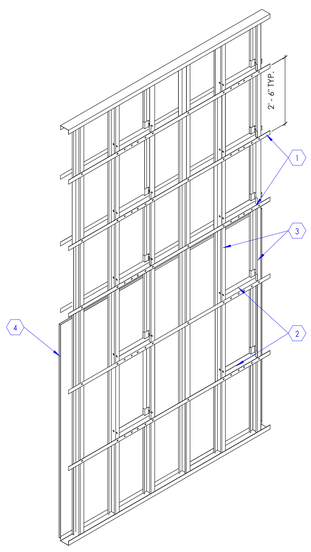
10 Framed Opening at Jamb

SCALE: 3" = 1'-0"



11 Typical Wall and Opening Framing Detail

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



KEYED NOTES

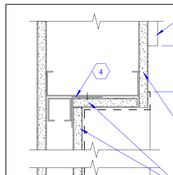
1. SHEET METAL STRAP. SEE BRACING SCHEDULE BELOW AND DETAIL
2. METAL STUD BLOCKING. SEE BRACING SCHEDULE BELOW AND DETAIL
3. METAL STUDS. 20 GA MIN. SEE WALL TYPES FOR PARTITION TYPE.
4. 5/8", TYPE 'X' GYP. BD. TYP., U.N.O. SEE WALL TYPES FOR PARTITION TYPE.

BRACING SCHEDULE

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

12 Typical Bracing at One Sided Partition

SCALE: 3" = 1'-0"



KEYED NOTES

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

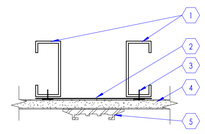
PLAN VIEW, SECTION SHALL BE SIMILAR

9 Detail at Recessed Equip.

SCALE: 3" = 1'-0"

KEYED NOTES

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



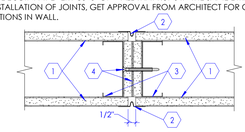
13 Plan Detail at Bracket

SCALE: 3" = 1'-0"

KEYED NOTES

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

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



14 Control Joint - Gypsum Board

SCALE: 3" = 1'-0"

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Murray, Utah 84107

NJRA Project # 19236.00
Construction Documents August 19, 2020

Wall Details

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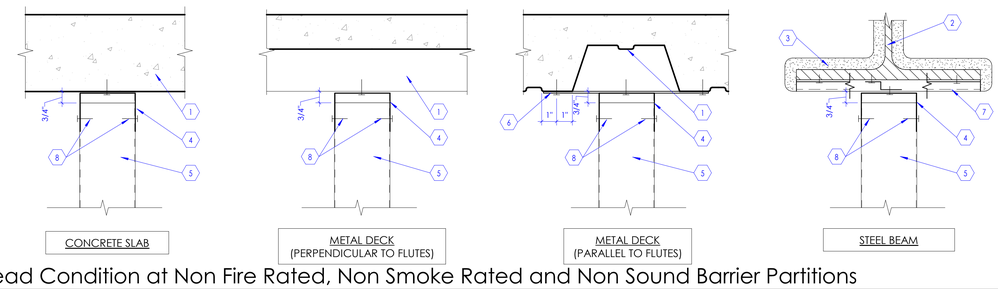


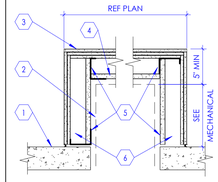
CONCRETE SLAB | METAL DECK (PERPENDICULAR TO FLUTES) | METAL DECK (PARALLEL TO FLUTES) | STEEL BEAM

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

SCALE: 3" = 1'-0"

KEYED NOTES

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



AT TOP OF SHAFT

2 2-HR Enclosure at Top of Shaft

SCALE: 1" = 1'-0"

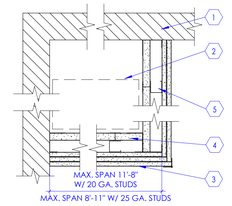
KEYED NOTES

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

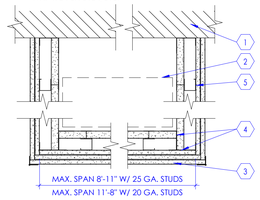
RATING INFORMATION:
FIRE RATING - 2 HOUR TEST:
U.L. Design No. 411
PEI AER-09038
WHI-495-PSH 0154/0167

KEYED NOTES

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



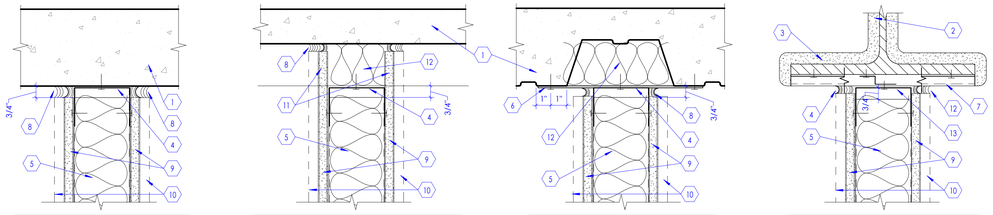
RATING INFORMATION:
HORIZONTAL FIRE
RATING - 2 HOUR TEST:
WHI-495 PSH 0154/0167



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

5 2-HR Horizontal Assembly

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



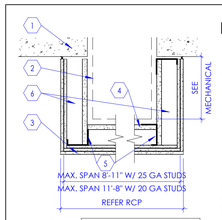
DESIGN BASIS: UL-HW-D-0044 CONCRETE SLAB | **DESIGN BASIS: UL-HW-D-0043** METAL DECK (PERPENDICULAR TO FLUTES) | **DESIGN BASIS: UL-HW-D-0264** METAL DECK (PARALLEL TO FLUTES) | **DESIGN BASIS: UL-HW-D-0252** STEEL BEAM

3 Head Condition at Smoke Partitions and Sound Barrier Walls

SCALE: 3" = 1'-0"

KEYED NOTES

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



AT BOTTOM OF SHAFT

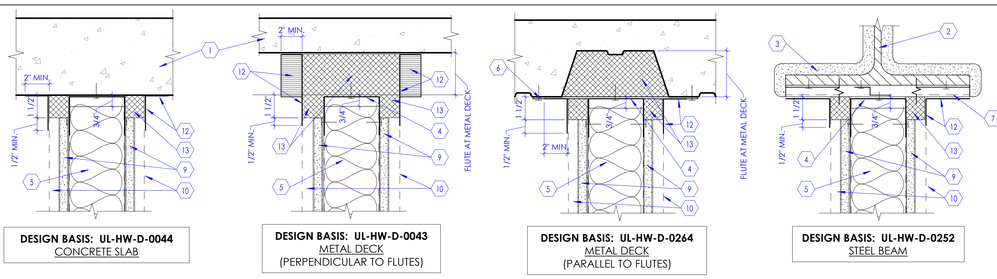
4 2-HR Enclosure at B.O. Shaft

SCALE: 1" = 1'-0"

KEYED NOTES

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

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



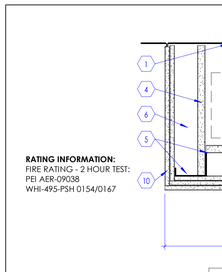
DESIGN BASIS: UL-HW-D-0044 CONCRETE SLAB | **DESIGN BASIS: UL-HW-D-0043** METAL DECK (PERPENDICULAR TO FLUTES) | **DESIGN BASIS: UL-HW-D-0264** METAL DECK (PARALLEL TO FLUTES) | **DESIGN BASIS: UL-HW-D-0252** STEEL BEAM

6 Head Condition at Fire Rated Partitions

SCALE: 3" = 1'-0"

KEYED NOTES

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

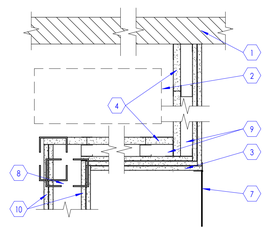


AT DUCTWORK

KEYED NOTES

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

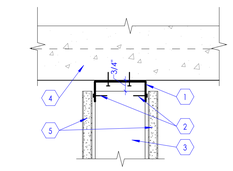
RATING INFORMATION:
HORIZONTAL FIRE
RATING - 2 HOUR TEST:
WHI-495 PSH 0154/0167

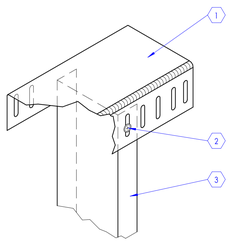


WITH OFFSET

8 2-HR Horizontal Enclosure

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





ISOMETRIC VIEW OF SLOTTED TOP TRACK

KEYED NOTES

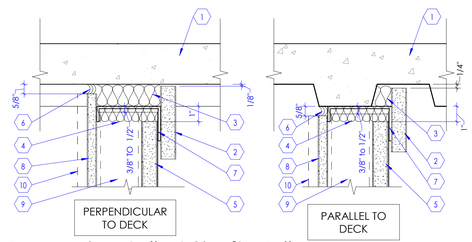
1. SLOTTED DEEP LEG DEFLECTION TRACK, 16GA CONTINUOUS. SECURE TO SUPERSTRUCTURE ABOVE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 3/4" OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
2. SLIP CONNECTION. SECURE VERTICAL STUDS TO SLOTTED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

GENERAL NOTES

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

9 Slip Connection Detail

SCALE: 3" = 1'-0"



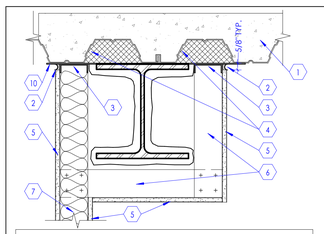
PERPENDICULAR TO DECK | PARALLEL TO DECK

KEYED NOTES

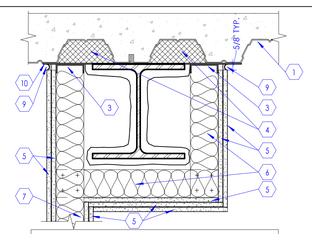
1. FLOOR OR ROOF DECK AS OCCURS.
2. GYPSUM BOARD1" SHAFT LINER PANEL 6" HIGH MIN. CUT TO FLUTED DECK CONTOUR.
3. MINERAL WOOL 3" 4 LB MIN. FRICTION FITTED BETWEEN J TRACK AND FLUTE.
4. MINERAL WOOL 1" 4 LB MIN. FRICTION FITTED INSIDE J TRACK CAVITY.
5. GYPSUM BOARD 1" SHAFT LINER PANEL STOP AT 1" BELOW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

7 Head Detail at Shaft Wall

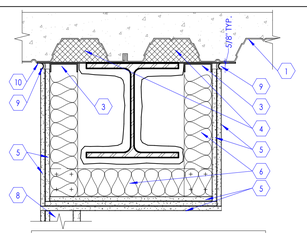
SCALE: 3" = 1'-0"



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



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



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

KEYED NOTES

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

10 Alternate Framing Details at Rated Walls

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

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267857-0301
LICENSED ARCHITECT

Intermountain Health Care
TOSH Central Processing Remodel
5848 South 300 East
Murray, Utah 84107

NJRA Project # 19236.00
Construction Documents August 19, 2020

Wall Details

A502B

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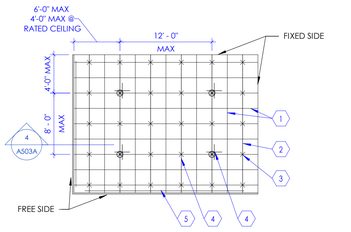


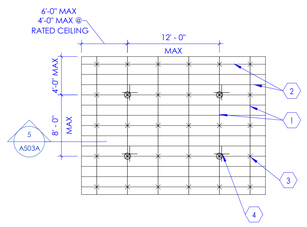
KEYED NOTES

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

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

1 Typical Acoustical Ceiling Suspension

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

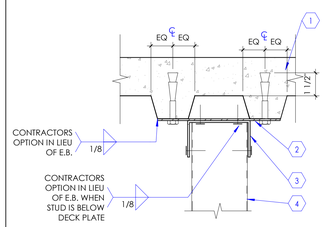


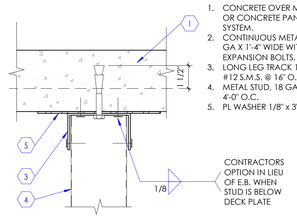
KEYED NOTES

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

2 Typical Gypsum Bd Ceiling Suspension

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



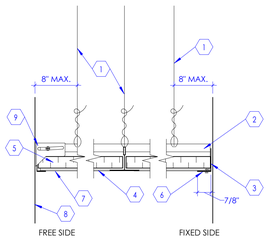


KEYED NOTES

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

3 Typical Suspended Stud Attachment To Concrete Deck

SCALE: 3" = 1'-0"



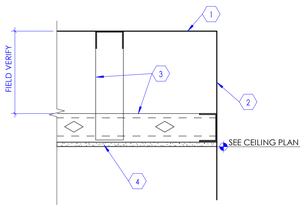
KEYED NOTES

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

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

4 Ceiling Grid Detail

SCALE: 3" = 1'-0"

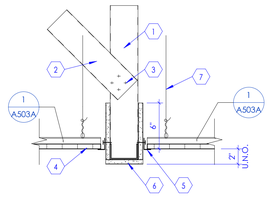


KEYED NOTES

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

5 Ceiling Detail

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



KEYED NOTES

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

6 Gypsum Board Header

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

KEYED NOTES

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

NOTE:

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

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

7 Ceiling Detail

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

KEYED NOTES

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

8 Gypsum Board Ceiling Seismic Restraint Detail

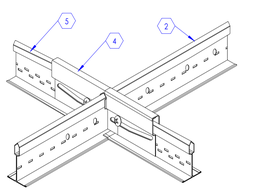
SCALE: 1 1/2" = 1'-0"

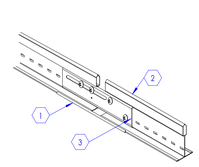
KEYED NOTES

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

9 Gypsum Board Soffit

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





AT CROSS TEE

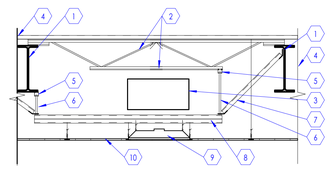
AT MAIN BEAM

KEYED NOTES

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

10 Seismic Separation Joint Clip Detail

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



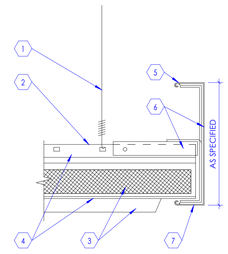
KEYED NOTES

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

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

11 Suspended Ceiling Trapeze Detail

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



KEYED NOTES

1. 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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NJRA Project # 19236.00
Construction Documents August 19, 2020

Ceiling Details

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LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

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

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

	FLEXIBLE DUCT
12/8	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
12ø	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
UP	INCLINED RISE
DN	INCLINED DROP

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

W R	R/W=1.5 ROUND DUCT SIMILAR TO RECTANGULAR
12/12 8/8	RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
12/12 12ø	RECTANGULAR TO ROUND DUCT TRANSFORMATION
R 6	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
1.5D 1.25D 45° D D	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
12ø 12/12	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER

ANNOTATIONS

	POINT OF CONNECTION
A M-101	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
A M101	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
EF 1	EQUIPMENT IDENTIFICATION
1	KEYED NOTE IDENTIFICATION
P	PRESSURE MONITOR
T	THERMOSTAT

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MECHANICAL SYMBOLS, LEGEND, AND GENERAL NOTES
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FIRE PROTECTION GENERAL NOTES

1. NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN THE FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.
3. COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
4. FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.

PLUMBING GENERAL NOTES

1. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND.

MECHANICAL PIPING GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.

MECHANICAL GENERAL NOTES

1. COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES, AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
2. SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
3. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
4. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. SEE SPECIFICATION, TYPICAL.
5. THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFF/TEST SWITCH AT EACH LOCATION.
6. PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
7. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER.
8. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
9. PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK.
10. AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
11. THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
12. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS.
13. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
14. ALL REGISTERS ARE RG-1 UNLESS NOTED.

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MECHANICAL GENERAL NOTES

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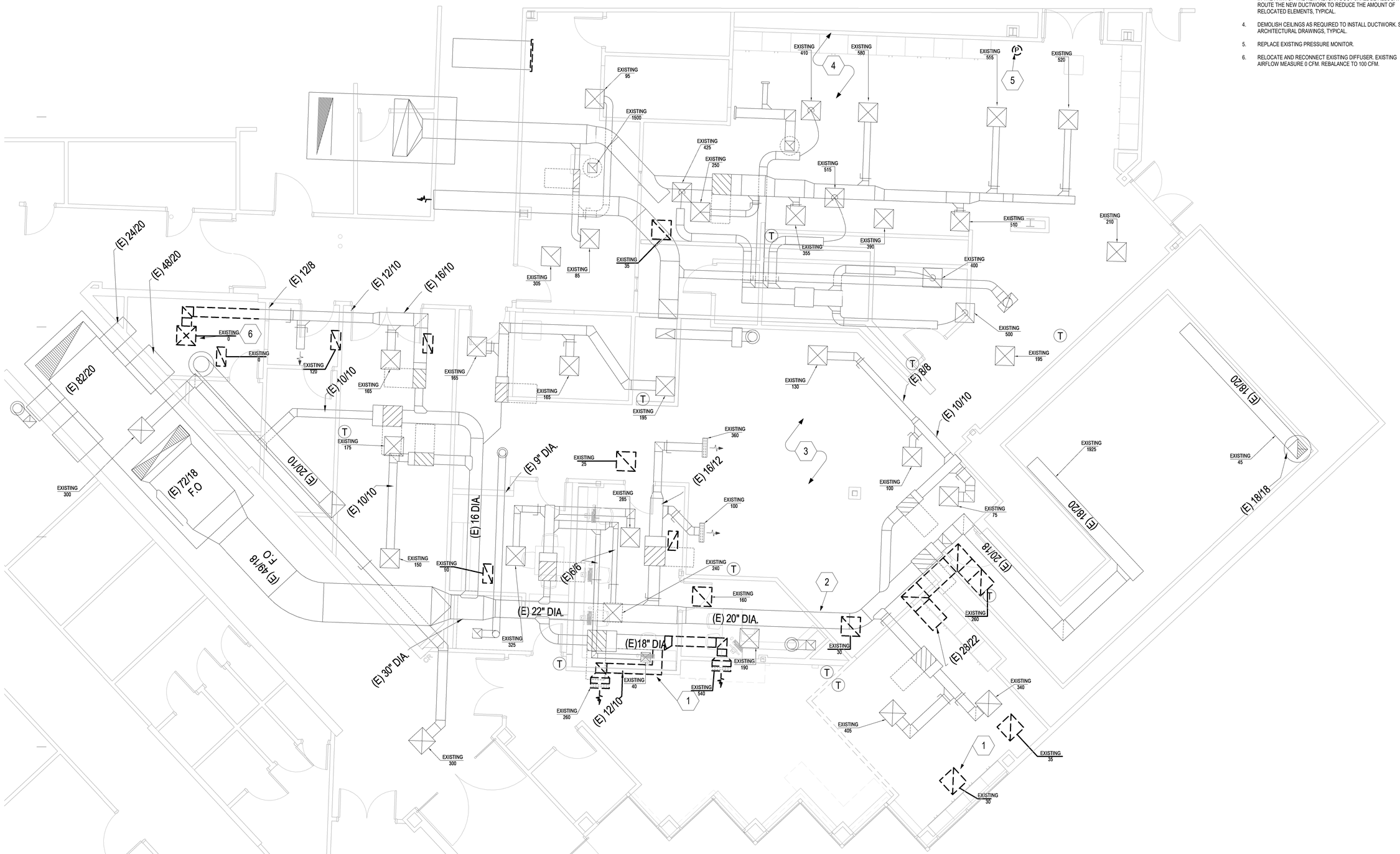
KEYED NOTES

1. ELEMENTS SHOWN DARK AND DASHED TO BE DEMOLISHED, TYPICAL.
2. EXISTING ELEMENTS SHOWN LIGHT TO REMAIN, TYPICAL.
3. CONTRACTOR WILL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS. ANY PIPING, PLUMBING, CONTROL VALVES, MEDICAL GASSES, CONDUIT, DUCTWORK, ETC. THAT IS IN THE PATH OF THE NEW RETURN DUCT SHALL BE RELOCATED. ROUTE THE NEW DUCTWORK TO REDUCE THE AMOUNT OF RELOCATED ELEMENTS, TYPICAL.
4. DEMOLISH CEILINGS AS REQUIRED TO INSTALL DUCTWORK. SEE ARCHITECTURAL DRAWINGS, TYPICAL.
5. REPLACE EXISTING PRESSURE MONITOR.
6. RELOCATE AND RECONNECT EXISTING DIFFUSER. EXISTING AIRFLOW MEASURE 0 CFM. REBALANCE TO 100 CFM.



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

NORTH

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MECHANICAL DEMO PLAN LEVEL 1

MD101

18. PROVIDE NEW DIGITAL PRESSURE MONITOR. INTERCONNECT TO BMS.

19. UPON COMPLETION OF CONSTRUCTION BALANCE THE SUPPLY, RETURN, AND EXHAUST TO THE AIRFLOWS INDICATED., TYPICAL.

14. PROVIDE OFFSETS IN DUCTWORK TO AVOID STRUCTURE. GENERALLY, RETURN WILL NEED TO BE TIGHT TO STRUCTURE TO AVOID EXISTING SYSTEMS; HOWEVER, EXISTING SYSTEMS WILL NEED TO BE RELOCATED TO ACCOMMODATE NEW DUCTWORK, TYPICAL.

15. RELOCATE EXISTING VAV BOXES THAT IS IN THE PATH OF THE RETURN PATH.

16. REBALANCE REGISTER TO BE NEUTRAL.

17. REPLACE ALL PNEUMATIC CONTROLS ON VAV BOXES WITH NEW DDC CONTROLLERS, NEW THERMOSTATS, CONTROL VALVES AND LEAVING AIR DISCHARGE SENSOR. PROVIDE NEW JACE AND CONNECT TO EXISTING BMS. COORDINATE EXTENT OF WORK WITH JCI, TYPICAL.

KEYED NOTES

1. EXISTING ELEMENTS SHOWN LIGHT TO REMAIN, TYPICAL.
2. REBALANCE ROOM TO BE 6 ACH (660 CFM).
3. CONTRACTOR WILL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS. ANY PIPING, PLUMBING, CONTROL VALVES, MEDICAL GASSES, CONDUIT, DUCTWORK, ETC. THAT IS IN THE PATH OF THE NEW RETURN DUCT SHALL BE RELOCATED. ROUTE THE NEW DUCTWORK TO REDUCE THE AMOUNT OF RELOCATED ELEMENTS, TYPICAL.
4. CEILINGS BELOW NEW DUCTWORK WILL NEED TO BE PATCHED AND REPAIRED. SEE ARCHITECTURAL DRAWINGS, TYPICAL.
5. MATCH EXISTING DUCT SIZE.
6. RELOCATE T-STATS WITH NEW WALL LOCATIONS.
7. BALANCE GRILLES TO MAINTAIN +0.1 PRESSURIZATION.
8. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN, CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS, MODIFY SPRINKLER PIPING AS REQUIRED, TYPICAL. REFER TO THE ARCHITECTURAL SHEETS FOR COMPLETE SCOPE OF THE PROJECT, TYPICAL.
9. ALL SPRINKLERS IN THE REMODELED AREA ARE TO BE REPLACED WITH QUICK RESPONSE TYPE TO MATCH THE RATING OF SPACE. REPLACEMENT OF SPRINKLERS SHALL EXTEND TO ALL WALLS OR SOFFIT BREAKS, TYPICAL.
10. FIRE SPRINKLERS SHALL BE INSTALLED TO MEET NFPA 13-2016 REQUIREMENTS, TYPICAL.
11. REMOVE BLANK-OFF IN RETURN.
12. RELOCATE AND RECONNECT EXISTING DIFFUSER. EXISTING AIRFLOW MEASURE 0 CFM. REBALANCE TO 100 CFM.
13. COORDINATE EXACT LOCATION WITH ARCHITECTURAL RCP, TYPICAL.

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

NORTH

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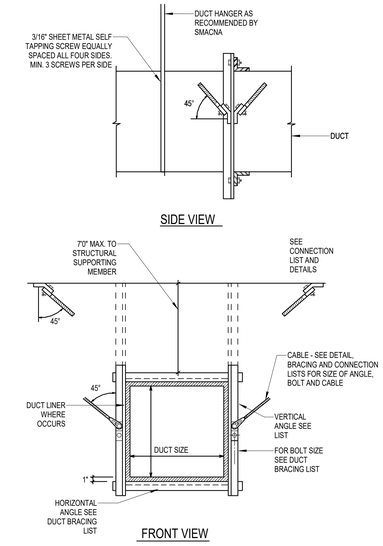
MECHANICAL PLAN LEVEL 1

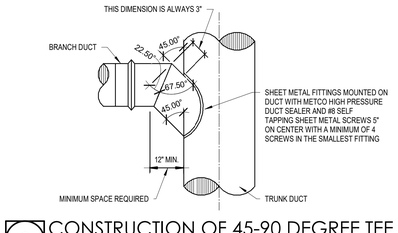
MH101

DIFFUSERS, REGISTERS, AND GRILLES			
DIFFUSER CALLOUT	MANUFACTURER	MODEL	DESCRIPTION
CD-1	PRICE	SCD	LOUVER FACE (3-CONE) CEILING DIFFUSERS. ADJUSTABLE AIR PATTERN, C.W./O.B.D. FRAME SHALL BE FOR LAY-IN 24X24 MOUNTING.
RG-1	PRICE	PDDR	PERFORATED GRILLE: FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MOUNT AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 24"X12". HARD LID CEILING TO BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH LAY-IN PLASTER FRAME. FINISH AS SELECTED BY ARCHITECT.



1 CABLE BRACING FOR RECTANGULAR DUCTS

N.T.S.



2 CONSTRUCTION OF 45-90 DEGREE TEE FITTING AND MOUNTING

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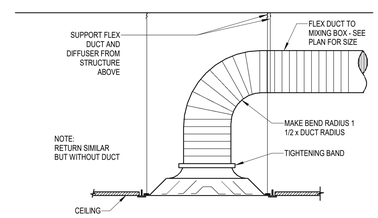
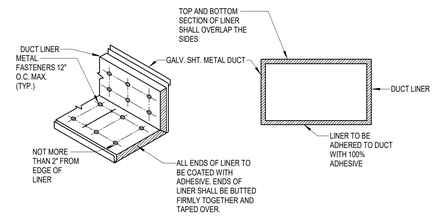


3 DIFFUSER CONNECTION DETAIL

N.T.S.



4 DUCT LINER DETAIL

N.T.S.

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MECHANICAL DETAILS/SCHEDULE

MH501

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00		**REFERENCE AND LINE SYMBOLS**
01	A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
02	A5 / E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
03	A5 / E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
04	ROOM NAME 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
05	1	KEYNOTE INDICATOR.
06	1	REVISION INDICATOR.
07	CU-1	EQUIPMENT INDICATOR.
08	X-X / XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
09		BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
10		BREAK, ROUND
12		NEW LINE: MEDIUM LINE.
13		HIDDEN FEATURES LINE: HIDDEN, THIN LINE
14		EXISTING TO REMAIN LINE: THIN LINE.
15		DEMOLITION LINE: DASHED, MEDIUM LINE
00		**WIRING METHODS**
01		WIRING.
04	A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
05	1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
08	X	WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = : CATV = CABLE TELEVISION; NC = NURSE CALL CCTV = CLOSED CIRCUIT TELEVISION; P = POWER RC = RIGID CONDUIT FA = FIRE ALARM; S = SOUND FO = FIBER OPTICS; T = TELEPHONE I = INTERCOM; TV = TELEVISION OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.
09		LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
10		CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
11	1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
12	HC	ADA ACCESS PUSH PLATE
13		JUNCTION BOX.
14	SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
15	SE	JUNCTION BOX, SECURITY SYSTEM. PROVIDE CONDUIT AND ROUGH-IN PER SECURITY DRAWINGS.
19	C C	CABLE TRAY ABOVE ACCESSIBLE CEILING.
21		EARTH GROUND (ONE-LINE DIAGRAM).
22	C	JUNCTION BOX, CEILING.
23		LADDER RACK.
25		MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
00		**LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)**
01	(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
02	(W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
03	EM	EMERGENCY.
04	NL	NIGHT LIGHT: DO NOT SWITCH.
05	↑	EGRESS DIRECTION ARROW (EXIT SIGNS).
07		EXIT SIGN: SINGLE FACE; CEILING MOUNTED
08		EXIT SIGN: SINGLE FACE; WALL MOUNTED
09		EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
10		EXIT SIGN: DOUBLE FACE; WALL MOUNTED
00		**LIGHTING CONTROL**
01		OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
02		OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
06		VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
07		VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
08	P	PHOTOCELL.
18	a,b $	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
19	DC	DIGITAL LIGHTING DIMMING CONTROLLER
20	LC	DIGITAL PLUG LOAD CONTROLLER
21	LS	LIGHTING NETWORK SWITCH.
23	RC	DIGITAL LIGHTING ROOM CONTROLLER
26	L X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00		**WIRING DEVICES**
01		RECEPTACLE, SINGLE: NEMA 5-20R.
02		RECEPTACLE, DUPLEX: NEMA 5-20R.
03	A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
04	C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
06	DF	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
08	S	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
11	WP	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.
12		RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
13		RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
14		RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
16		RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
17		RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
18		RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
19	WP	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
22		RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
23		RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
24		RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
25		RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
27		RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
28		RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
29		RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
30	D	RECEPTACLE, DRYER: NEMA 14-30R.
31	R	RECEPTACLE, RANGE: NEMA 14-50R.
32	C	RECEPTACLE, CLOCK HANGER: NEMA 5-15R.
33		MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
34	D	DROP CORD. SEE DETAIL.
36	FB#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
37	PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
38	PT#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
39		SWITCH, DIMMER.
40	X $	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
41	X $2	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
42	X $3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
43	X $4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
44	$DS	SWITCH, DOOR.
45	$K	SWITCH, KEY OPERATED.
46	$LM	SWITCH, LOW VOLTAGE MASTER.
47	$M	SWITCH, MOMENTARY.
48	$OS	SWITCH, OCCUPANCY SENSOR.
49	$P	SWITCH, PILOT LIGHT.
50	$T	SWITCH, TIMER OPERATED.
51	$WP	SWITCH, WEATHERPROOF.
52	T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
53		RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
54		RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
56		RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
57		RECEPTACLE, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
58		RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
59		INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
00		**STRUCTURED CABLING IHC**
01		IHC COMMUNICATIONS DEVICE (1 DATA).
02		IHC COMMUNICATIONS DEVICE (1 DATA / 1 ANALOG).
03		IHC COMMUNICATIONS DEVICE (1 DATA WALL PHONE).
04		IHC COMMUNICATIONS DEVICE (2 DATA).
05	3	IHC COMMUNICATIONS DEVICE (3 DATA).
06	4	IHC COMMUNICATIONS DEVICE (4 DATA).
07	6	IHC COMMUNICATIONS DEVICE (6 DATA).
08	M	IHC COMMUNICATIONS DEVICE PHYSIOLOGICAL MONITOR (1 DATA).
09	WAP	IHC COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA).
00		**TV DISTRIBUTION**
07		TV OUTLET.

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00		**ELECTRICAL POWER AND DISTRIBUTION**
01		FUSE WITH RATING (ONE-LINE DIAGRAM).
02		DISCONNECT, FUSED (ONE-LINE DIAGRAM).
03		DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
04		DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
05		OVERLOAD RELAY (ONE-LINE DIAGRAM).
06		STARTER (ONE-LINE DIAGRAM).
07		CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
08		CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
10		CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
11	GFP	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
12		MOTOR.
16		TRANSFORMER (ONE-LINE DIAGRAM).
17		TRANSFORMER, CURRENT (ONE-LINE DIAGRAM).
18		BATTERY (ONE-LINE DIAGRAM).
19		CAPACITOR (ONE-LINE DIAGRAM).
20		DELTA CONNECTION (ONE-LINE DIAGRAM).
21		WYE CONNECTION (ONE-LINE DIAGRAM).
23	225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
24	225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
25	225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
27	225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
28	225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
29		CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
31		TRANSFER SWITCH (ONE-LINE DIAGRAM).
32	DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
33		SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
37	BBF	BROAD BAND FILTER (ONE-LINE DIAGRAM).
38	VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
41		DISCONNECT SWITCH, FUSED.
42		DISCONNECT SWITCH, UNFUSED.
43		STARTER, COMBINATION WITH DISCONNECT SWITCH.
44		STARTER OR MOTOR CONTROLLER.
45		PUSHBUTTON.
46		PUSHBUTTONS, MOTOR CONTROL.
47		PANELBOARD CABINET, FLUSH MOUNTED.
48		PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
49		PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
50	DP#__	DISTRIBUTION PANEL OR SWITCHBOARD.
51	LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
52		LIGHTING CONTROL STATION.
55	$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
56	75	TRANSFORMER: NUMBER INDICATES kVA.

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00		**FIRE ALARM**
01	FSA	FIRE SYSTEM ANNUNCIATOR.
02	FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
03	FPS	FIRE ALARM NOTIFICATION POWER SUPPLY.
07	CM	CONTROL MODULE.
08	MM	MONITOR MODULE.
09	P	FIRE ALARM MANUAL PULL STATION.
10	R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
11		MAGNETIC DOOR HOLDER.
15		DETECTOR, SMOKE.
22		DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
23		DETECTOR, HEAT.
25		STROBE.
27	WP	ALARM, HORN/SPEAKER, WEATHERPROOF.
28		ALARM, HORN/STROBE, ONE ASSEMBLY.
35		DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
36		DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
37	SD	SMOKE DAMPER.
38	FSD	FIRE AND SMOKE DAMPER.
39		BELL (GONG).
40	CO	DETECTOR, CARBON MONOXIDE.
41		DETECTOR, SMOKE/STROBE, RESIDENTIAL.
42	75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
43	75	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
44	75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
00		**NURSE CALL**
01		JUNCTION BOX.
02		CORRIDOR LIGHT.
03	B	BATHROOM PULL CORD STATION.
04	D	DUTY STATION.
05	E	EMERGENCY ASSISTANCE CALL STATION.
06	E CB	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
07	P	PATIENT STATION.
08	S	STAFF STATION.
09	NCM	TOUCH SCREEN NURSE CALL MASTER STATION.
00		**CCTV**
04	M	CCTV MONITOR.
05		CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
06	PTZ	CCTV CAMERA WITH PAN, TILT AND ZOOM.
07	360°	PANNING CAMERA TRANSVERSE ANGLE.
00		**SECURITY**
01	X	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
02	ACC	ACCESS CONTROL HEADEND EQUIPMENT.
03	CTR	SECURITY CONTROL PANEL.
04	SEC	INTRUSION DETECTION HEADEND EQUIPMENT.
05	#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
06	CR	CARD READER.
07	KCR	KEYPAD/CARD READER COMBINATION.
10	RL	REMOTE DOOR RELEASE BUTTON.
21	P	PANIC DURESS SWITCH.
00		**TECHNOLOGY SYSTEMS**
02	S #	SPEAKER, CEILING MOUNTED.
03	S #	SPEAKER, WALL MOUNTED.
21		EQUIPMENT CABINET.
28	M	MICROPHONE INPUT.
40	CP#	CONNECTION PANEL.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

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

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

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NJRA Project # 19236.00
Construction Documents August 17, 2020

SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

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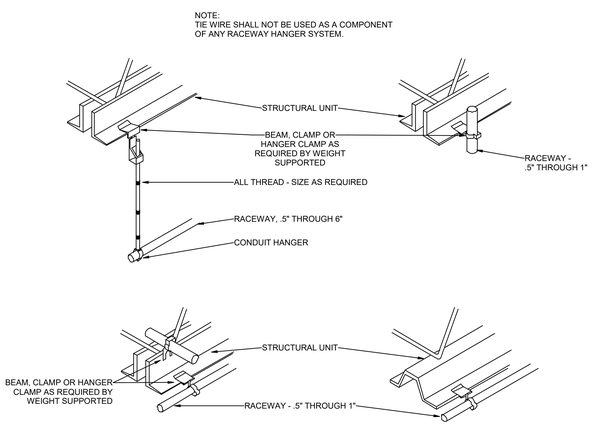
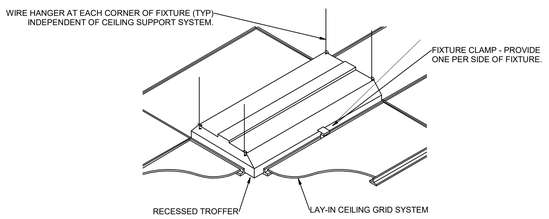
NOTES:

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.

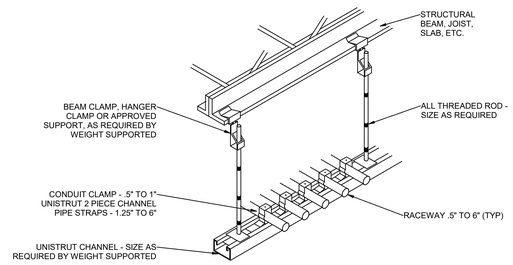
1 TYPICAL ROUGH-IN REQUIREMENTS DETAIL
SCALE: NTS



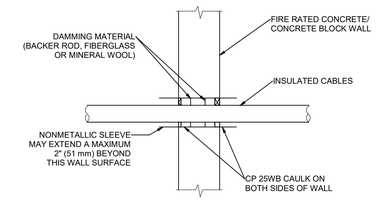
2 TYPICAL RACEWAY SUPPORT METHODS DETAIL
SCALE: NTS



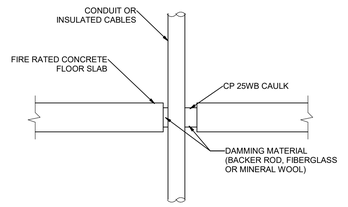
4 RECESSED FIXTURE MOUNTING DETAIL
SCALE: NTS



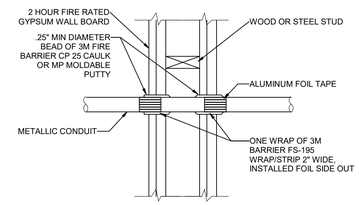
3 TYPICAL CONDUIT RACK DETAIL
SCALE: NTS



7 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS
SCALE: NTS



6 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING
SCALE: NTS



5 FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD
SCALE: NTS

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ELECTRICAL DETAILS

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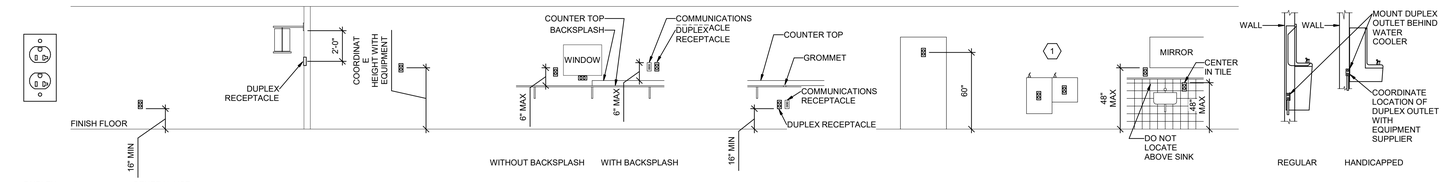
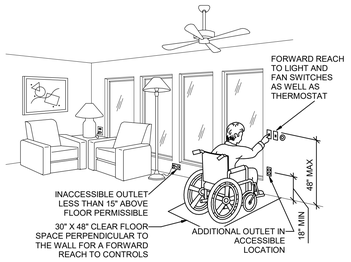


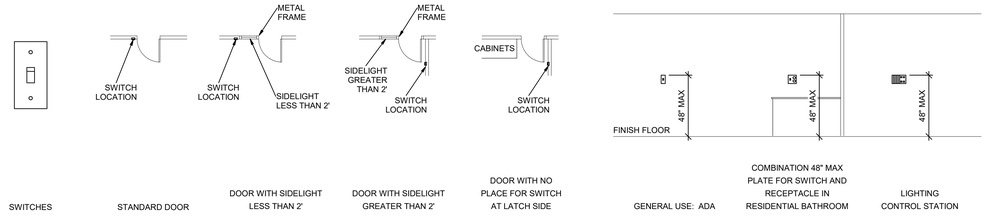
DUPLEX RECEPTACLES | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | RECEPTACLES ABOVE COUNTER (WITHOUT BACKSPLASH / WITH BACKSPLASH) | RECEPTACLES BELOW COUNTER | FULL HEIGHT REFRIGERATORS AND VENDING MACHINES | DRINKING FOUNTAIN | TILE WALLS | DRINKING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

REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

E2 RECEPTACLE MOUNTING DETAILS

SCALE: NTS

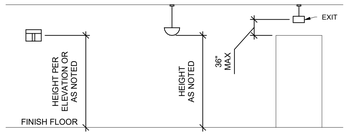




SWITCHES | STANDARD DOOR | DOOR WITH SIDELIGHT LESS THAN 2' | DOOR WITH SIDELIGHT GREATER THAN 2' | DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE | GENERAL USE: ADA | COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM | LIGHTING CONTROL STATION

D2 ADA DETAIL

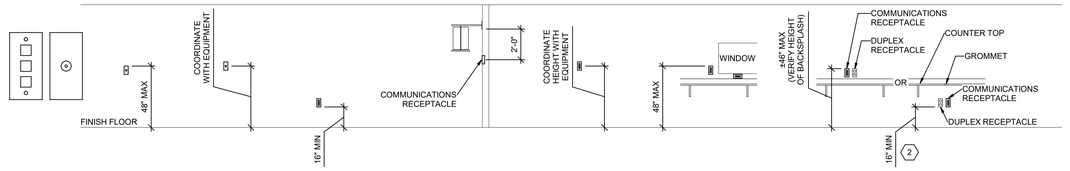
SCALE: NTS



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

D3 SWITCH MOUNTING DETAILS

SCALE: NTS



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

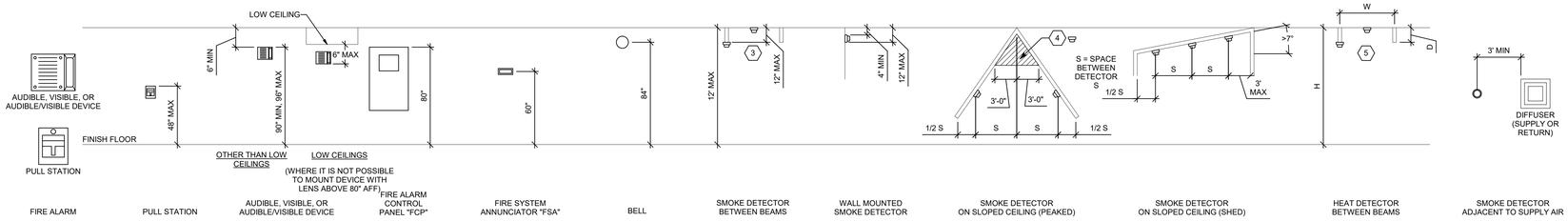
NOTE: ALL DEVICES SHALL BE INSTALLED AND LOCATED IN THE BLOCK CONSISENTLY THROUGH OUT THE BUILDING.

C1 CMU DEVICE MOUNTING ALIGNMENT DETAIL

SCALE: NTS

C2 LIGHTING MOUNTING DETAILS

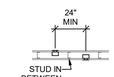
SCALE: NTS



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

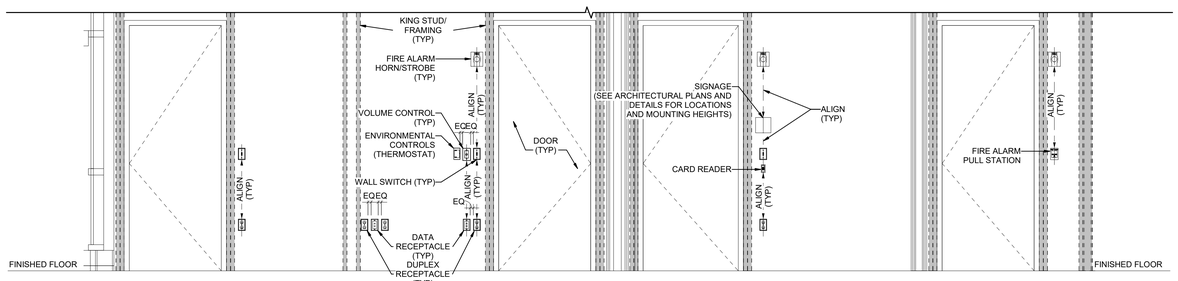
B1 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



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

BOXES ON OPOSITE SIDES OF WALL



A1 BOX MOUNTING DETAILS

SCALE: NTS

A2 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS

GENERAL SHEET NOTES

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

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

   2 - EQUIPMENT SHOP DRAWINGS.

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

SHEET KEYNOTES

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

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TYPICAL MOUNTING HEIGHT DETAILS

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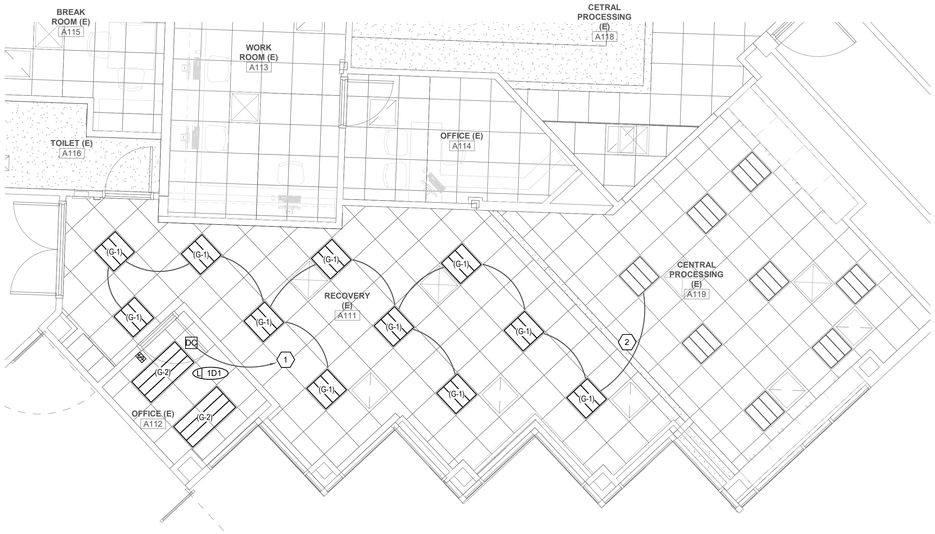
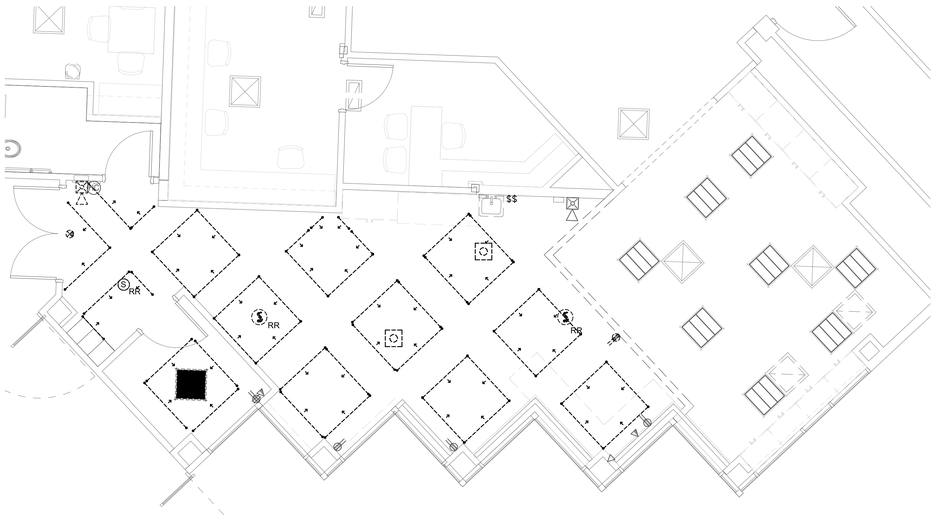
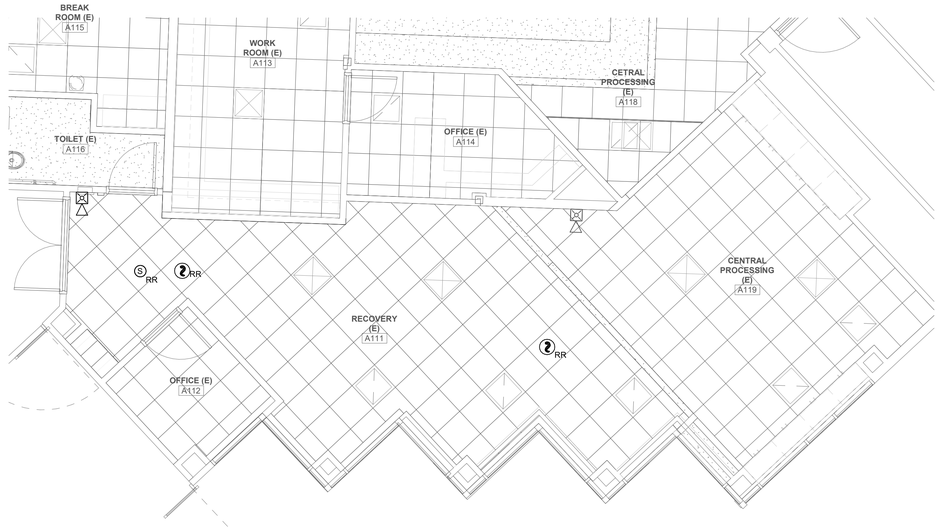


2 LEVEL 1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"



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



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

SHEET KEYNOTES

1 CONNECT TO THE EXISTING LIGHTING CIRCUIT THAT PREVIOUSLY FED THE LIGHTING IN THIS SPACE.

2 CONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS IN THE CENTRAL PROCESSING SPACE.

GENERAL SHEET NOTES

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

2 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO THE PANEL BOARD OF ORGIN OR TO THE FIRST ACTIVE DEVICE THAT REMAINS.

3 SALVALGE ALL LIGHT FIXTURES, TWIST LOCK RECEPTACLES AND WALL PLATES, CEILING SPEAKERS AND SECUIRTY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.

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

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

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

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

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

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

10 ALL MODIFICATIONS TO THE FIRE ALARM SYSTEM SHALL BE COORDINATED WITH THE LOCAL FACILITIES MAINTANCE TEAM.

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ELECTRICAL PLANS

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INTERIOR LIGHTING FIXTURE SCHEDULE

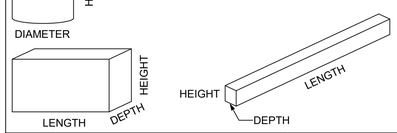
ABBREVIATIONS

MOUNTING

- B - BASE
- C - CEILING
- F - FLANGE
- G - GRID
- P - PENDANT
- PL - POLE
- R - RECESSED
- S - SURFACE
- W - WALL

LUMINAIRE OPTIONS

- ARHR - AIR RETURN AND HEAT REJECTION
- DL - DAMP LOCATION
- EQC - EARTHQUAKE CLIPS
- F - FUSING
- HLD - HINGED AND LATCHED DOOR
- HS - HOUSE SIDE SHIELD
- PS - PHOTOCELL SWITCH
- QRS - QUARTZ RESTRIKE
- ST - STATIC
- WG - WIRE GUARD
- WL - WET LOCATION



FINISH

- MW - MATTE WHITE
- BL - BLACK
- SL - SILVER
- GL - GOLD
- CL - CLEAR
- PW - PAINTED WHITE
- EA - EXTRUDED ALUMINUM
- S - STEEL
- GS - GALVANIZED STEEL
- C - CAST
- CBA - COLOR BY ARCHITECT
- SCBA - STANDARD COLOR BY ARCHITECT
- CCA - CUSTOM COLOR BY ARCHITECT
- FS - MEETS FEDERAL STANDARD 209D
- TP - THERMALLY PROTECTED
- FL - FLUSH
- R - REGRESS
- M - MITERED

DIFFUSER/LENS

- #A - ACRYLIC #THICK
- #OA - ACRYLIC #THICK (OPAL)
- GC - GLASS (CLEAR)
- GO - GLASS (OPAL)
- GF - GLASS (FROSTED)
- SGL - SOFT GLOW LENS
- HPL - HIGH PERFORMANCE LENS
- DO - DROP OPAL
- CGL - CONVEX GLASS LENS
- S - SATIN LENS

REFLECTOR

- OP - NONE/OPEN
- SP - SPECULAR
- SS - SEMI-SPECULAR
- D - DIFFUSE (WHITE ENAMEL)
- SC - SPECULAR (COLORED)
- PR - PRISMATIC
- FDR - FULL DEPTH REFLECTOR
- DS - DIFFUSE (SEMI SPECULAR) SILVER
- LI - LOW IRIDESCENT
- IR - IRIDESCENT
- SL - SILVER
- GL - GOLD
- CA - CLEAR ALZAK

NOTES

GENERAL NOTES

1. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER.
2. 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.
3. 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.
4. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
5. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
6. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
7. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
8. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, DRIVERS, AND LAMPS.
9. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.

ID	DESCRIPTION	NOMINAL SIZE				MOUNTING	TYPE	COLOR TEMP	CRI	DRIVER CONFIGURATION	VOLTAGE	WATTS	FINISH	FIXTURE LUMENS	DIFFUSER/LENS	REFLECTOR	OPTIONS	NOTES	MANUFACTURER (CATALOG SERIES)		
		LENGTH	DEPTH	HEIGHT	DIAMETER/ APERTURE														OPTION 1	OPTION 2	OPTION 3
(G-1)	2' X 2' LED FLAT PANEL, GRID LAY-IN	2' - 0"	2' - 0"	-	-	CR	LED	3500K		0-10V DIMMING (10%)	120/277	40	-	3400			-		PHILLIPS (FXP)	TRULY GREEN (88)	LITHONIA (EPANL)
(G-2)	2' X 4' LED FLAT PANEL, GRID LAY-IN	4' - 0"	2' - 0"	-	-	CR	LED	3500K		0-10V DIMMING (10%)	120/277	50	-	4300			-		PHILLIPS (FXP)	TRULY GREEN (88)	LITHONIA (EPANL)

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. HUBBEL BUILDING AUTOMATION
4. GREENGATE

LIGHTING CONTROL ID

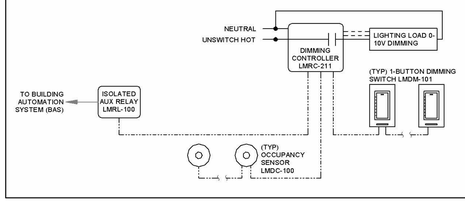
1. # = NUMBER OF ZONES
2. D = DIMMING, S = SWITCHING
3. P = DAYLIGHT PHOTOCELL
4. L = PLUG LOAD CONTROLLER
5. # = INSTANCE

GENERAL NOTES

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

GENERAL NOTES

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

ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN.)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
1D1																			
		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF/ LOWER"	-	-	-	-	-	-	-	-	-	

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INTERIOR LIGHTING FIXTURE SCHEDULE

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