BSA Health System

BSA GI Lab Renovation

1600 Wallace Blvd, Amarillo, TX 79106

SHEET INDEX

1

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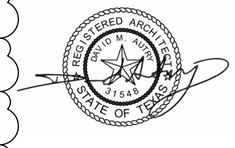

07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT

BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.

43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Cover Sheet & Sheet Index

G-001

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800 S. Polk St.
Amarillo, TX 79101
806.376.8600

9/2/2025 12:27:39 PM

R: v24

ABBREVIATIONS

A	
ACC	ACCESSIBLE
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
	ADJACENT
	ADJOINING
ADD	ADDENDUM
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AUTO	AUTOMATIC
AVG	AVERAGE
AWG	AMERICAN WIRE GAGE
AWS	AMERICAN WELDING SOCIETY
A/C	AIR CONDITION
B	
BAL	BALANCE
BC	BACK OF CURB
BIA	BRICK INSTITUTE OF AMERICA
BITUM	BITUMINOUS
BL	BUILDING LINE
BLDG	BUILDING
BM	BENCHMARK
BOCA	BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
BOS	BOTTOM OF STEEL
BOT	BOTTOM (BOTTOM FACE, LAYER, SIDE)
B PL	BASE PLATE
BRDG	BRIDGING
BRG	BEARING
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
C	
C	CHANNEL
CU FT	CUBIC FOOT
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CG	CORNER GUARD
CI	CAST IRON
CIR	CIRCLE
CIRC	CIRCULAR
CJ	CONTROL JOINT
	CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT
CONSTR	CONSTRUCTION
CONT	CONTINUE
CONTR	CONTRACTOR
CRCMF	CIRCUMFERENCE
CSK	COUNTER SUNK
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
D	
D	DEPTH
DAT	DATUM
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVIDE
DL	DEAD LOAD
DS	DOWNSPOUT
DWG	DRAWING
E	
E	EAST, MODULUS OF ELASTICITY
EA	EACH
EF	EACH FACE, EXTERIOR FINISH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXST	EXISTING
EXP	EXPANSION
EXP BT	EXPANSION BOLT
EXT	EXTERIOR
F	
FD	FLOOR DRAIN
FDTN	FOUNDATION
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF EL	FINISH FLOOR ELEVATION
FIN FLR	FINISH FLOOR
FIN	FINISH(ED)
FOC	FACE OF CONCRETE, FACE OF CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FRTW	FIRE RETARDANT TREATED WOOD
FS	FAR SIDE (FACE, LAYER)
FT	FOOT
FTG	FOOTING
FURG	FURRING
G	
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GOVT	GOVERNMENT
GYP BD	GYPSUM BOARD
GYP	GYPSUM

H	
HDBD	HARDBOARD
HDWD	HARDWOOD
HDW	HARDWARE
HEX	HEXAGON(AL)
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HEAT PUMP
HR	HOUR
HS	HIGH STRENGTH
HT	HEIGHT
HVAC	HEATING VENTILATING AND AIR CONDITIONING
I	
I	MOMENT OF INERTIA
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
INCL	INCLUDE(D)(ING)(SIVE)
INS	INSULATION
INT	INTERIOR
INV	INVERT(ED)(ER)
J	
JAN	JANITOR
K	
NOT USED	
L	
L	ANGLE
	LITER
LBS	POUND
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT	LIGHT
LT WT	LIGHT WEIGHT
M	
m	METER(S)
MAU	MAKE UP AIR UNIT(S)
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MCJ	MASONRY CONTROL JOINT
MECH	MECHANIC(AL)
MFG	MANUFACTURING
MFR	MANUFACTURER
MIL STD	MILITARY STANDARD
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILLWORK
mm	MILLIMETER
MO	MASONRY OPENING
MOD	MODIFY
MT	METAL THRESHOLD
MTD	MOUNTED
MTL	METAL
N	
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NBS	NATIONAL BUREAU OF STANDARDS
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NOM	NOMINAL
NR	NO RATING / NOT RATED
NRC	NOISE REDUCTION COEFFICIENT
NS	NEAR SIDE (FACE)
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFD	OVERFLOW DRAIN
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/OWNER INSTALLED
OH DR	OVERHEAD DOOR
OPNG	OPENING
OPH	OPPOSITE HAND
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OZ	OUNCE
P	
PAR	PARALLEL
PBD	PARTICLE BOARD
PCA	PORTLAND CEMENT ASSOCIATION
PCF	POUNDS PER CUBIC FOOT
PCI	PRESTRESSED CONCRETE INSTITUTE
PERF	PERFORATE(D)
PERP	PERPENDICULAR
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAL FOOT
PLYWD	PLYWOOD
PR	PAIR
PREFAB	PREFABRICATE
PREFIN	PREFINISH
PRELIM	PRELIMINARY
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAPER TOWEL DISPENSER
PTDR	PAPER TOWEL DISPENSER RECEPTACLE
PVC	POLYVINYL CHLORIDE
PVG	PAVING
Q	
QC	QUALITY CONTROL
QTY	QUANTITY
R	
R	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFL	REFLECT
REINF	REINFORCE
REQD	REQUIRED
REV	REVISION
RH	RIGHT HAND(ED)
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
S	
S	SOUTH
SBCCI	SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL
SCHED	SCHEDULE
SD	SOAP DISPENSER
SDI	STEEL DOOR INSTITUTE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SPEC	SPECIFICATION
SP	SOLID PLASTIC
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SYMM	SYMMETRICAL

T	
T	TREAD
TAN	TANGENT
TEMP	TEMPORARY
TFF	TOP OF FINISH FLOOR
THK	THICKNESS
TMH	TOP OF MANHOLE
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPH	TOILET PAPER HOLDER
TRANS	TRANSPARENT
TRTD	TREATED
TS	TUBE STEEL
TYP	TYPICAL
T&G	TONGUE AND GROOVE
U	
UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORIES
ULT	ULTIMATE
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
V	
VAR	VARIES
VERT	VERTICAL
W	
W	WEST
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WC	WATER CLOSET
WLD	WELDED
WP	WORK POINT
WWF	WELDED WIRE FABRIC
X	
XFMR	TRANSFORMER
Y	
NOT USED	
Z	
NOT USED	

SHEET IDENTIFICATION FORMAT

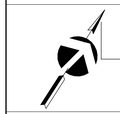
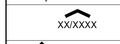
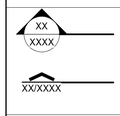
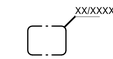
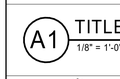
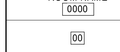
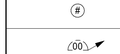
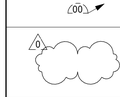
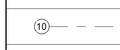
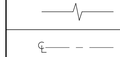
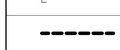
AANNN

- DISCIPLINE DESIGNATOR
- SHEET TYPE DESIGNATOR (SEE BELOW)
- SHEET SEQUENCE NUMBER

SHEET TYPE DESIGNATORS

0	GENERAL (COVER SHEETS, INDEX, SYMBOLS LEGEND, NOTES, ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS (VERTICAL VIEWS)
3	SECTIONS (SECTIONAL VIEWS)
4	LARGE SCALE VIEWS (ENLARGED PLANS, ELEVATIONS, OR SECTIONS THAT ARE NOT DETAILS)
5	DETAILS
6	SCHEDULES AND DIAGRAMS
7	USER DEFINED (FOR TYPES THAT DO NOT FALL IN OTHER CATEGORIES)
8	USER DEFINED (FOR TYPES THAT DO NOT FALL IN OTHER CATEGORIES)
9	3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOGRAPHS)

GENERAL DRAWING LEGEND

	NEW DOOR
	EXISTING DOOR
	PLAN NORTH ARROW TRUE NORTH PLAN NORTH
	ELEVATION MARK
	SECTION MARK
	PLAN DETAIL MARK
	DRAWING TITLE
	SHEET NUMBER WHERE REFERENCED REFERENCE NUMBER
	ROOM NAME ROOM NUMBER
	FURNISHINGS/EQUIPMENT
	KEY NOTE
	KEY DEMOLITION NOTE
	REVISION
	STRUCTURAL COLUMN LINE
	DATUM ELEVATION (EXISTING)
	DATUM ELEVATION (NEW)
	BREAK LINE
	CENTER LINE
	MATCH/DIVIDE LINE
	NOT IN SCOPE

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07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT

BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.

43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	ISSUED FOR CONSTRUCTION

Symbols, Legends & Abbreviations

G-011

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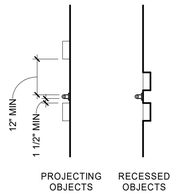
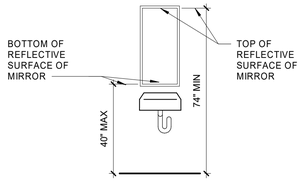
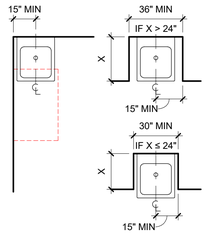
R_v24

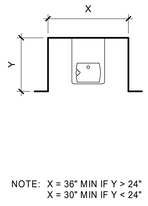
GENERAL NOTES

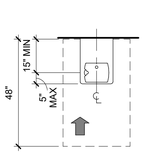
A. ACCESSIBILITY GUIDELINE SHEETS ARE BASED ON THE 2012 TEXAS ACCESSIBILITY STANDARDS (TAS)
B. ACCESSIBILITY GUIDELINE SHEETS ARE FOR INFORMATIONAL PURPOSES ONLY AND INTENDED TO SERVE AS A GUIDE FOR CONSTRUCTION PROFESSIONALS AND OWNERS.
C. SOME OF THE INFORMATION AND PICTOGRAPHS SHOWN MAY NOT BE APPLICABLE TO THIS PROJECT.
D. REFER TO PLUMBING SHEETS FOR PLUMBING FIXTURE MOUNTING HEIGHTS.
E. GRAPHICS SHOWN ARE FOR ADULTS.

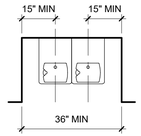


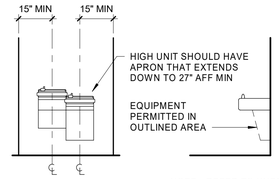




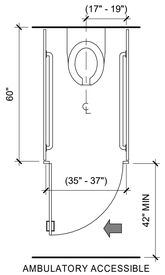




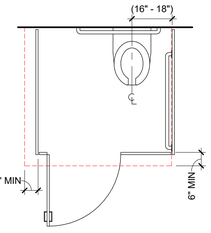




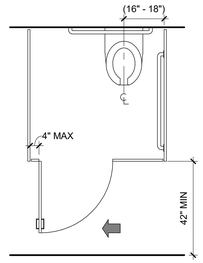
GRAB BAR SPACING



AMBULATORY ACCESSIBLE

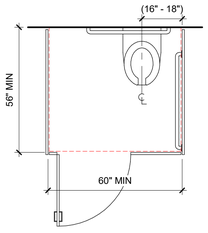


TOE CLEARANCE

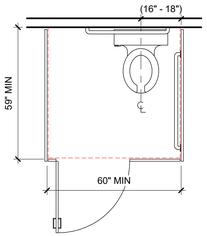


SIDE APPROACH

REFLECTIVE SURFACES

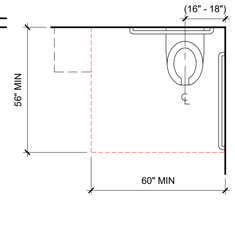


WALL HUNG WATER CLOSET



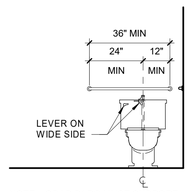
FLOOR MTD WATER CLOSET

LAVATORIES

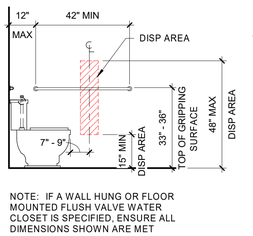


CLEARANCE @ WATER CLOSET NOT IN A STALL

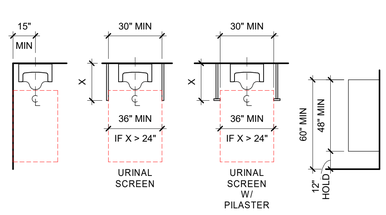
EWC/DRINKING FOUNTAINS



NOTE: GRAB BARS MUST SUPPORT 250 LBS AND BE CONTINUOUS

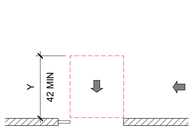


NOTE: IF A WALL HUNG OR FLOOR MOUNTED FLUSH VALVE WATER CLOSET IS SPECIFIED, ENSURE ALL DIMENSIONS SHOWN ARE MET



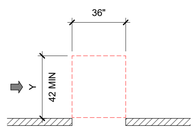
REFER GRAB BAR SPACING FOR ADDITIONAL INFORMATION

TYPICAL TOILET STALLS



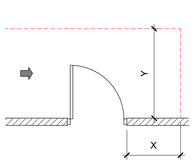
FOLDING DOOR

FRONT APPROACH

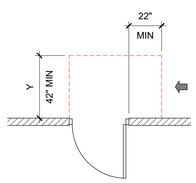


NO DOOR

SIDE APPROACH

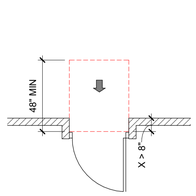


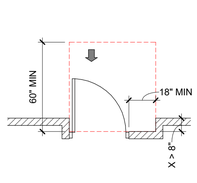
NOTE: X = 36" MIN IF Y = 60" MIN
X = 42" MIN IF Y = 54" MIN



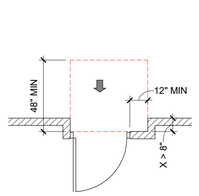
NOTE: Y = 48" MIN IF DOOR HAS BOTH A CLOSER AND A LATCH

HINGE SIDE APPROACHES SWINGING DOORS

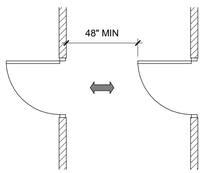




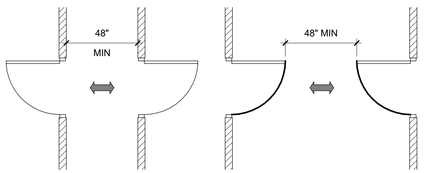
RECESSED DOORS



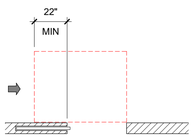
CLOSER AND A LATCH PROVIDED



NOTE: ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES

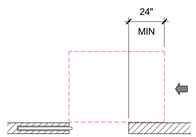


TWO HINGED DOORS IN SERIES



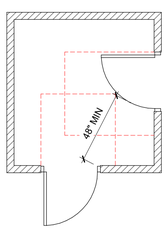
POCKET

POCKET OR HINGE APPROACH

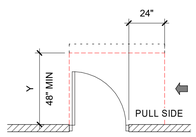


POCKET

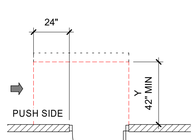
STOP OR LATCH APPROACH



VESTIBULE DOORS

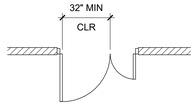


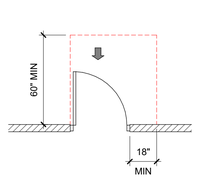
NOTE: Y = 54" MIN IF DOOR HAS A CLOSER



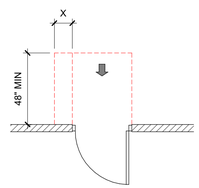
NOTE: Y = 48" MIN IF DOOR HAS A CLOSER

LATCH SIDE APPROACHES SWINGING DOORS

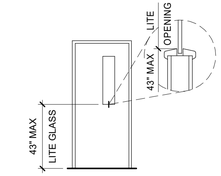




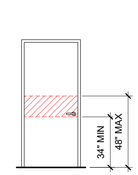
FRONT APPROACHES SWINGING DOORS



NOTE: X = 12" MIN IF DOOR HAS BOTH A CLOSER AND A LATCH



DOOR LITE



DOOR HARDWARE

TYPICAL SLIDING DOOR CLEARANCES

TYPICAL HINGED DOOR CLEARANCES

TYPICAL WATER CLOSETS

URINALS

9/2/2025 12:27:42 PM

R. v24

Parkhill

07/29/2024

Parkhill.com

BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

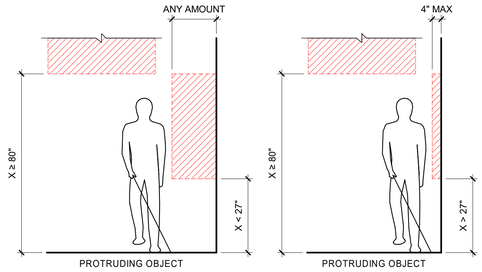
#	DATE	DESCRIPTION
-	07/29/2024	ISSUED FOR CONSTRUCTION

Accessibility Standards

G-021

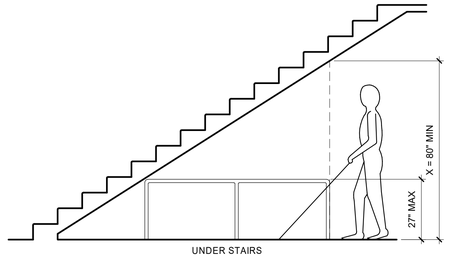
GENERAL NOTES

A. ACCESSIBILITY GUIDELINE SHEETS ARE BASED ON THE 2012 TEXAS ACCESSIBILITY STANDARDS (TAS)
B. ACCESSIBILITY GUIDELINE SHEETS ARE FOR INFORMATIONAL PURPOSES ONLY AND INTENDED TO SERVE AS A GUIDE FOR CONSTRUCTION PROFESSIONALS AND OWNERS.
C. SOME OF THE INFORMATION AND PICTOGRAPHS SHOWN MAY NOT BE APPLICABLE TO THIS PROJECT.
D. REFER TO PLUMBING SHEETS FOR PLUMBING FIXTURE MOUNTING HEIGHTS.
E. GRAPHICS SHOWN ARE FOR ADULTS.

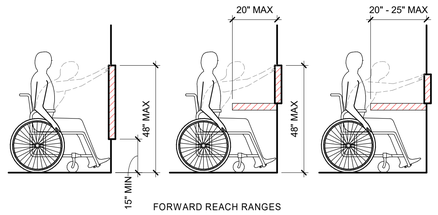


PROTRUDING OBJECT

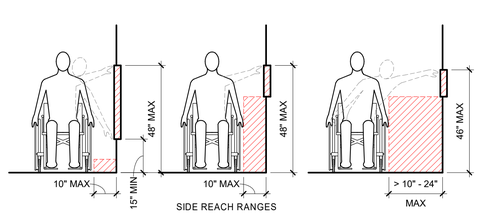
PROTRUDING OBJECT



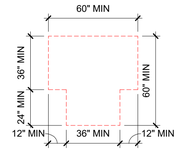
UNDER STAIRS



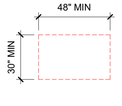
FORWARD REACH RANGES



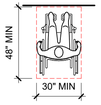
SIDE REACH RANGES



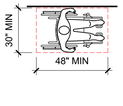
T-SHAPE TURN AROUND



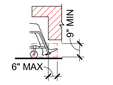
SINGLE WHEEL CHAIR



FORWARD



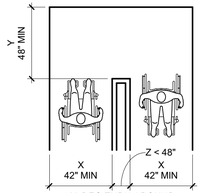
PARALLEL



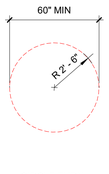
ELEVATION TOE CLEARANCE


ELEVATION KNEE CLEARANCE

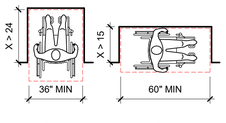

PLAN CENTERED



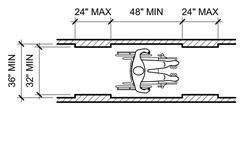
180 DEG TURN AROUND
IF Y = 60" MIN, X = 36" MIN



CIRCLE TURN AROUND



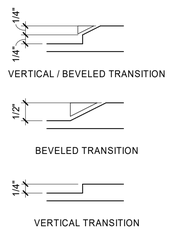
ALCOVE FORWARD
ALCOVE PARALLEL



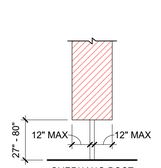
NARROW PASSAGE

PROTRUDING OBJECT PROTECTION/REACH RANGES

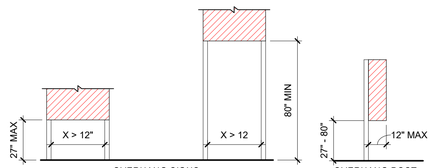
CLEAR FLOOR AREA/ACCESSIBLE ROUTE



VERTICAL / BEVELED TRANSITION
BEVELED TRANSITION
VERTICAL TRANSITION



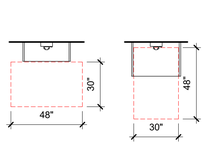
OVERHANG POST



OVERHANG SIGNS

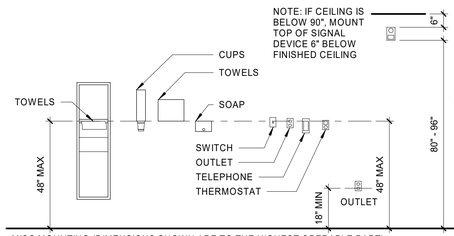
OVERHANG POST

PROTRUDING OBJECTS

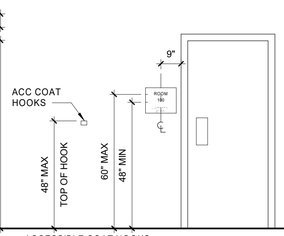


TELEPHONES

CHANGES IN LEVEL

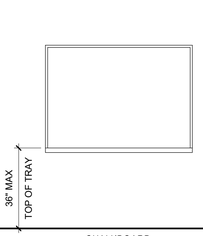


MISC MOUNTING (DIMENSIONS SHOWN ARE TO THE HIGHEST OPERABLE PART)

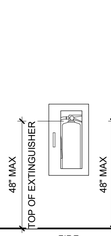


ACCESSIBLE COAT HOOKS

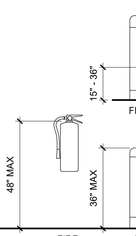
PROTRUDING OBJECTS/TELEPHONES



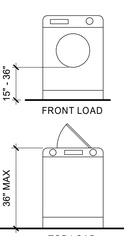
CHALKBOARD MARKERBOARD TACKBOARD



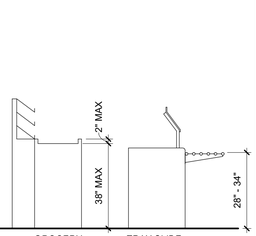
FIRE EXTINGUISHER CABINET



FIRE EXTINGUISHER BRACKET MOUNTED

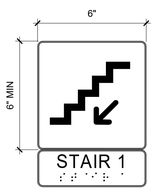


TOP LOAD WASHING MACHINE

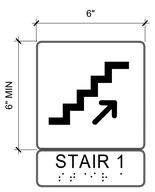


GROCERY CONVEYOR
TRAY SLIDE

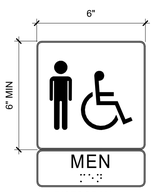
STANDARD ACCESSIBLE MOUNTING HEIGHTS



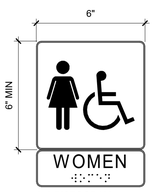
6x8 PICTOGRAM GRAPHIC SYMBOLS LETTERS & BRAILLE



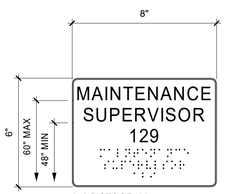
6x8 PICTOGRAM GRAPHIC SYMBOLS LETTERS & BRAILLE



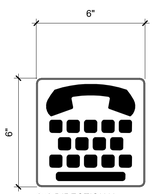
6x8 PICTOGRAM GRAPHIC SYMBOLS LETTERS & BRAILLE



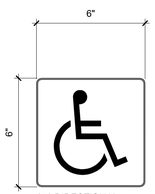
6x8 PICTOGRAM GRAPHIC SYMBOLS LETTERS & BRAILLE



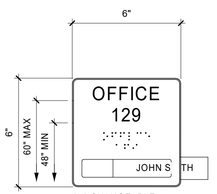
8x6 PICTOGRAM GRAPHIC SYMBOLS LETTERS & BRAILLE



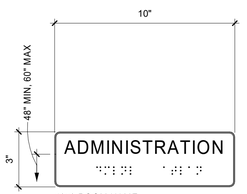
6x6 DIRECTIONAL GRAPHIC SYMBOL ONLY



6x6 DIRECTIONAL GRAPHIC SYMBOL ONLY



6x6 CHANGEABLE MESSAGE W/ PERMANENT ROOM NAME, NUMBER & BRAILLE



10x3 ROOM NAME & BRAILLE

EXAMPLE SIGNAGE - SEE STANDARD ACCESSIBLE ~~MOUNTING HEIGHT~~

Parkhill

07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	ISSUED FOR CONSTRUCTION

Accessibility Standards

G-022

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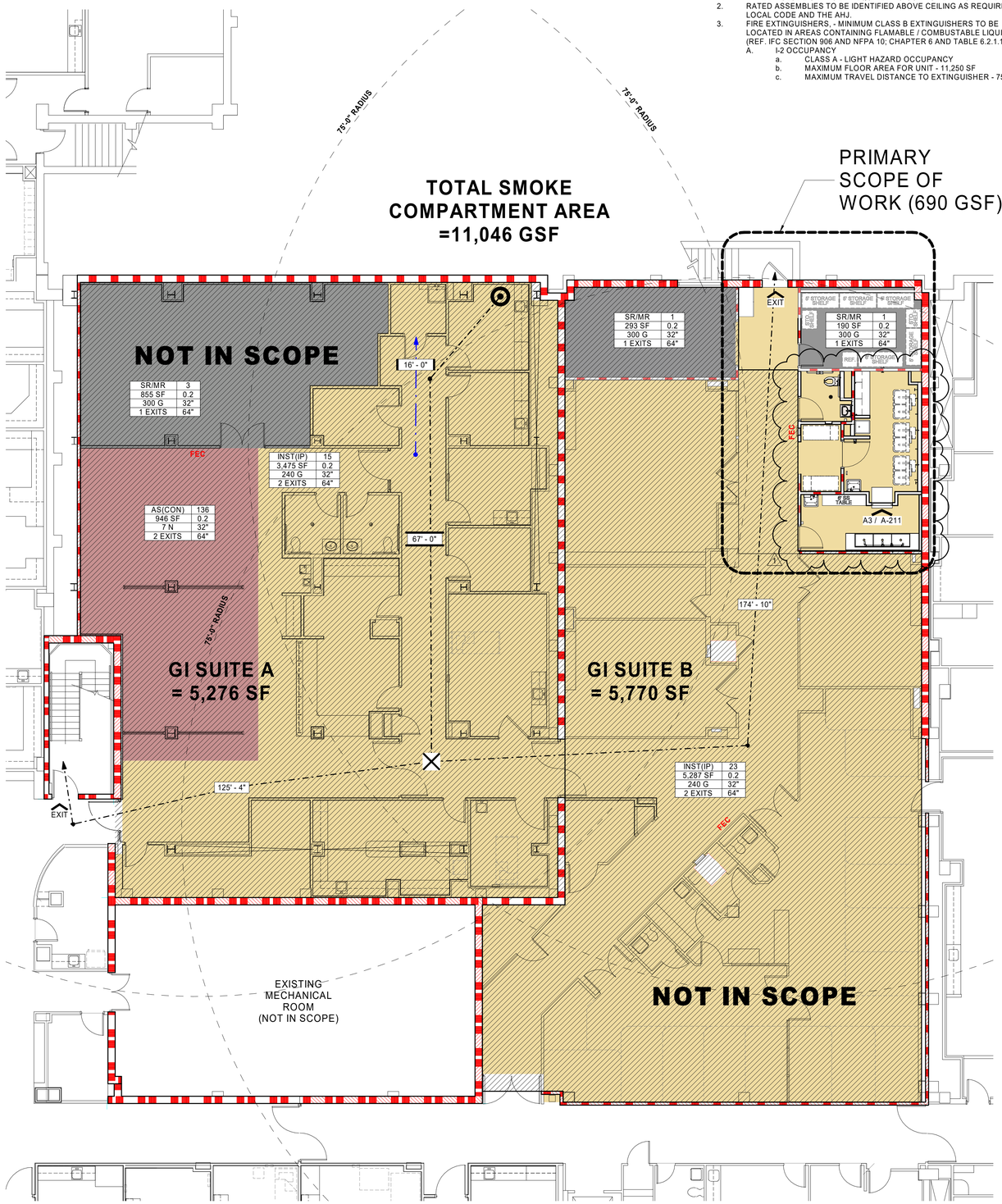
GENERAL NOTES

1. UL ASSEMBLIES INDICATED ESTABLISH BASIS PERFORMANCE. OTHER ASSEMBLIES MAY BE CONSIDERED AT DISCRETION OF ARCHITECT IF EQUIVALENT PERFORMANCE IS PROVIDED. SUBSTITUTION PROPOSALS SHALL INCLUDE CHANGES REQUIRED TO COMPONENTS OF ASSEMBLY.
2. RATED ASSEMBLIES TO BE IDENTIFIED ABOVE CEILING AS REQUIRED BY LOCAL CODE AND THE AHJ.
3. FIRE EXTINGUISHERS, - MINIMUM CLASS B EXTINGUISHERS TO BE LOCATED IN AREAS CONTAINING FLAMABLE / COMBUSTABLE LIQUIDS. (REF. IFC SECTION 906 AND NFPA 10; CHAPTER 6 AND TABLE 6.2.1.1)
   A. I-2 OCCUPANCY
      a. CLASS A - LIGHT HAZARD OCCUPANCY
      b. MAXIMUM FLOOR AREA FOR UNIT - 11,250 SF
      c. MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER - 75 FT.



A1 PARTIAL LIFE SAFETY PLAN
1/8" = 1'-0"

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R_v24

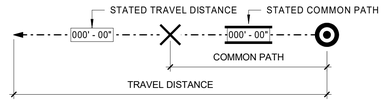
LEGEND

EXIT — EGRESS EXIT REQUIRED

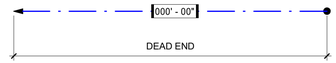
RATED ASSEMBLIES

- 1 HOUR FIRE PARTITION
- 2 HOUR FIRE BARRIER
- 1 HOUR FIRE SMOKE PARTITION
- 2 HOUR FIRE SMOKE BARRIER

EGRESS PATH, TRAVEL DISTANCE AND COMMON PATH

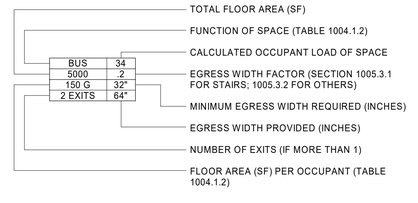


DEAD END CORRIDOR



ABBREVIATIONS

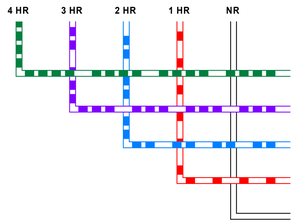
200'	DISTANCE BETWEEN EXITS
EW=36"	EXIT WIDTH PROVIDED AT SPECIFIC EXIT
GSF	GROSS SQUARE FOOT
NSF	NET SQUARE FOOT
FEC	FIRE EXTINGUISHER CABINET
TD	TRAVEL DISTANCE
CPOT	COMMON PATH OF TRAVEL
(M)DBE	(MINIMUM) DISTANCE BETWEEN EXITS
OL	OCCUPANT LOAD



PLUMBING FIXTURE RQMTS - IPC

OCC:	USE GROUP	OCCUPANT LOAD (ACTUAL)	DESCRIPTION:	WATER CLOSET M	WATER CLOSET F	URINALS	LAV M	LAV F	DRINK FOUNT. REF IPC 410	OTHER SERVICE SINK	
I	2	38									
			TOTAL REQUIRED	1.52		X	1.09		.38	.1	
S	1	5									
			TOTAL REQUIRED	.05		X	.05		.01	.1	
A	3	136									
			TOTAL REQUIRED	2.1		X	.68		.28	.1	
			TOTAL REQUIRED	3.67		X	1.82		.67	.1	
			TOTAL PROVIDED	5		X	5		1	2	

PARTITION PRIORITY



NOTES

1. HIGHEST IDENTIFIED RATED WALL ASSEMBLY SHALL TAKE PRIORITY OVER LESSER IDENTIFIED RATED WALLS AND MAINTAIN CONTINUITY THROUGHOUT THE ENTIRE RUN OF WALL TO THE EXTERIOR SHEATHING, A HIGHER RATED WALL ASSEMBLY OR OTHER APPROVED ASSEMBLY.
2. TREAT ALL JOINTS AND PENETRATIONS WITH APPROPRIATE SYSTEM TO MAINTAIN WALL INTEGRITY.

GENERAL CONSTRUCTION INFORMATION

APPLICABLE CODES:

BUILDING	IBC 2021
PLUMBING	IPC 2021
MECHANICAL	IMC 2021
ELECTRICAL	NFPA 70
FIRE	IFC 2021
ENERGY	IECC 2015
ACCESSIBILITY	2012 TAS, 2010 ADA/SAD
OTHER	AMENDED CODES BY LOCAL JURISDICTION

OCCUPANCY: I-2 INSTITUTIONAL

CONSTRUCTION TYPE: TYPE I-A

SPRINKLED: FULLY SPRINKLED

PROJECT AREA & SCOPE CALCUATIONS:

PROJECT AREA (SMOKE COMPARTMENT)	= 11,046 TOTAL GSF
PROJECT SCOPE (ACTUAL RENOVATION AREA)	= 690 TOTAL GSF

EGRESS

TOTAL OCCUPANT LOAD FOR THE BUILDING	179
TOTAL OCCUPANT LOAD EGRESS WILL ACCOMMODATE	320
REQUIRED CAPACITY BASED ON OCCUPANT LOAD (IN) 179 x 0.3 (SECTION 1005.3.1 STAIRWAYS) 179 x 0.2 (SECTION 1005.3.2 OTHER EGRESS COMPONENTS)	53.7 INCHES
PROVIDED CAPACITY (INCHES) STAIRWAYS OTHER EGRESS COMPONENTS	64 INCHES

MAXIMUM ALLOWABLE TRAVEL DISTANCE	200 FEET
LONGEST TRAVEL DISTANCE	175 FEET

MAXIMUM DEAD END LIMIT	20 FEET
MAXIMUM DEAD END LIMIT PROVIDED	16 FEET

COMMON PATH OF EGRESS TRAVEL	75 FEET
COMMON PATH OF EGRESS TRAVEL PROVIDED	67 FEET

TWO EXITS REQUIRED WHERE OCCUPANT LOAD EXCEEDS	10

MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD	
1-500	2 EXITS
501-1000	3 EXITS
MORE THAN 1000	4 EXITS

OCCUPANT LOAD TABLE (2018, 2021)

FUNCTION OF SPACE (1004.5)	OCC PER SF
ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	300 GROSS
AGRICULTURE BUILDING	300 GROSS
AIRCRAFT HANGAR	500 GROSS
AIRPORT TERMINAL	
BAGGAGE CLAIM	20 GROSS
BAGGAGE HANDLING	300 GROSS
CONCOURSE	100 GROSS
WAITING AREAS	15 GROSS
ASSEMBLY	
GAMING FLOORS (KENO, SLOTS, ETC.)	11 GROSS
EXHIBIT GALLERY AND MUSEUM	30 NET
ASSEMBLY W/ FIXED SEATS	SEE SECTION 1004.6
ASSEMBLY W/O FIXED SEATS	
CONCENTRATED (CHAIRS ONLY-NOT FIXED)	7 NET
STANDING SPACE	5 NET
UNCONCENTRATED (TABLES AND CHAIRS)	15 NET
BOWLING CENTERS, ALLOW 5 PERSONS FOR EACH LANE INCLUDING 15 FEET OF RUNWAY, AND FOR ADDITIONAL AREAS	7 NET
BUSINESS AREAS	150 GROSS
CONCENTRATED BUSINESS USE AREA	SEE SECTION 1004.8
COURT ROOMS-OTHER THAN FIXED SEATING AREAS	40 NET
DAY CARE	35 NET
DORMITORIES	50 GROSS
EDUCATIONAL	
CLASSROOM AREA	20 NET
SHOPS AND OTHER VOCATIONAL ROOM AREAS	50 NET
EXERCISE ROOMS	50 GROSS
H-5 FABRICATION AND MANUFACTURING AREAS	200 GROSS
INDUSTRIAL	100 GROSS
INSTITUTIONAL AREAS	
INPATIENT TREATMENT AREAS	240 GROSS
OUTPATIENT AREAS	100 GROSS
SLEEPING AREAS	120 GROSS
KITCHENS, COMMERCIAL	200 GROSS
LIBRARY	
READING ROOM	50 NET
STACK AREA	100 GROSS
LOCKER ROOMS	50 GROSS
MALL BUILDINGS - COVERED AND OPEN	SEE SECTION 402.8.2
MERCANTILE	
AREAS ON OTHER FLOORS	60 GROSS
STORAGE, STOCK, SHIPPING AREAS	300 GROSS
PARKING GARAGES	200 GROSS
RESIDENTIAL	200 GROSS
SKATING RINKS, SWIMMING POOLS	
RINK AND POOL	50 GROSS
DECKS	15 GROSS
STAGES AND PLATFORMS	15 NET
WAREHOUSES	500 GROSS

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07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Life Safety Information

G-101

INTERIOR LEGEND

AA	FINISH TAG
	FIXTURES/ FURNITURE/ EQUIPMENT/ SIGNAGE
	NOT IN SCOPE

DETAIL LEGEND

	COMPACTED SOIL
	UNDISTURBED SOIL
	STONE/MARBLE
	PLASTER OR STUCCO ON METAL LATH
	STEEL
	CONCRETE IN SECTION
	BRICK
	CMU
	BATT INSULATION
	ACOUSTICAL TILE
	RIGID INSULATION
	WOOD CONTINUOUS
	WOOD DISCONTINUOUS
	PLASTER, SAND OR CEMENT GROUT
	POUROUS FILL, GRAVEL (CAPILLARY WATER BARRIER PAVEMENT BASE)
	TERAZZO (IN SECTION)

RCP LEGEND

	CEILING TRACK
CJ	CONTROL JOINT
	ACCESS PANEL
	SKYLIGHT
	GYP BD CEILING
	SUSPENDED METAL LATH AND PLASTER CEILING
	SUSPENDED ACOUSTICAL CEILING SYSTEM: TYPE A
	SUSPENDED ACOUSTICAL CEILING SYSTEM: TYPE B
	CEILING TO BE REMOVED

FLOOR PLAN LEGEND

	CONCRETE WALL
	FACE BRICK
	CMU WALL
MJ	MASONRY CONTROL JOINT
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	NEW STUD WALL
	NEW PARTIAL HEIGHT WALL
	GLAZING SYSTEM
	WIRE MESH OR FABRIC PARTITION
CG1	CORNER GUARD
CG1	END WALL GUARD
WG1	WALL GUARD
HR1	HANDRAIL
FEC	FIRE EXTINGUISHER AND CABINET
FEB	FIRE EXTINGUISHER AND BRACKET
	FURNITURE/EQUIPMENT NIC
DS	DOWN SPOUT
FD	FLOOR DRAIN
0000	DOOR NUMBER
00	WINDOW MARK
LV00	LOUVER MARK
HM00	HOLLOW METAL FRAME MARK
AL00	ALUMINUM FRAME MARK
B2b	PARTITION TYPE
AA	FINISH TAG

Parkhill

REGISTERED ARCHITECT
DAVID M. AUSTIN
31548
STATE OF TEXAS

07/29/2024

Parkhill.com

BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT

BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.

43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	ISSUED FOR CONSTRUCTION

Architectural & Interior Legends

A-001

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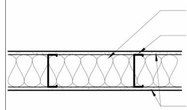
INTERIOR PARTITION SCHEDULE

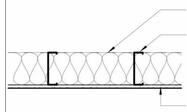
A



METAL FRAMING WALL ASSEMBLY

	1	2	3	4	5	6	7	8
ASSEMBLY THICKNESS	3 3/4"	3 3/4"	4 7/8"	4 7/8"	7 1/4"	7 1/4"	9 1/4"	9 1/4"
NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	3 5/8"	3 5/8"	6"	6"	8"	8"
SOUND-ATTENUATION BLANKETS		REQ.		REQ.		REQ.		REQ.
UL DESIGN ASSEMBLY	U465	U465	U465	U465	U465	U465	U465	U465
FIRE RATING (IF REQUIRED BY CODE SHEET)	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR
STC RATING	35	48	40	46		51		

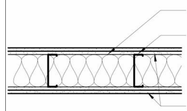
B



METAL FRAMING WALL ASSEMBLY

	1	2	3	4	5	6	7	8
ASSEMBLY THICKNESS	3 1/8"	3 1/8"	4 1/4"	4 1/4"	6 5/8"	6 5/8"	8 5/8"	8 5/8"
NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	3 5/8"	3 5/8"	6"	6"	8"	8"
SOUND-ATTENUATION BLANKETS		REQ.		REQ.		REQ.		REQ.
UL DESIGN ASSEMBLY								
FIRE RATING (IF REQUIRED BY CODE SHEET)	NR	NR	NR	NR	NR	NR	NR	NR
STC RATING				34		37		

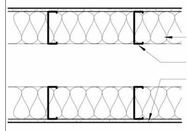
C



METAL FRAMING WALL ASSEMBLY

	1	2	3	4	5	6	7	8
ASSEMBLY THICKNESS	5"	5"	6 1/8"	6 1/8"	8 1/2"	8 1/2"	10 1/2"	10 1/2"
NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	3 5/8"	3 5/8"	6"	6"	8"	8"
SOUND-ATTENUATION BLANKETS		REQ.		REQ.		REQ.		REQ.
UL DESING ASSEMBLY	U411	U411	U411	U411	U411	U411	U411	U411
FIRE RATING (IF REQUIRED BY CODE SHEET)	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR
STC RATING		57		49		54		

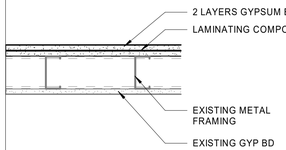
D



CHASE WALL ASSEMBLY

	1	2	3	4	5	6
ASSEMBLY THICKNESS	PER PLAN	PER PLAN	PER PLAN	PER PLAN	PER PLAN	PER PLAN
NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	3 5/8"	3 5/8"	6"	6"
SOUND ATTENUATION BLANKETS		REQ.		REQ.		REQ.
UL DESIGN ASSEMBLY	V488	V488	V488	V488	V488	V488
FIRE RATING (IF REQUIRED BY CODE SHEET)	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR
STC RATING		57		60		

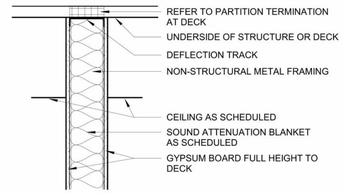
E



	1	2	3	4
ASSEMBLY THICKNESS	1 1/2"	2 1/8"	4 7/8"	PER PLAN
NON-STRUCTURAL METAL FRAMING (EXISTING)	7/8"	1 1/2"	3 5/8"	6"
UL DESIGN ASSEMBLY	V497	V497	V497	V497
FIRE RATING (IF REQUIRED BY CODE SHEET)	1 HOUR	1 HOUR	1 HOUR	1 HOUR

ABOVE CEILING CONDITION (SECTION)

a



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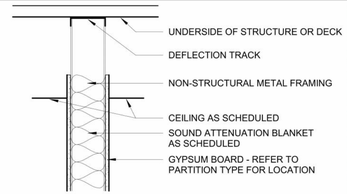

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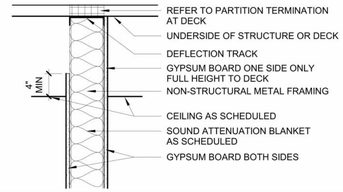

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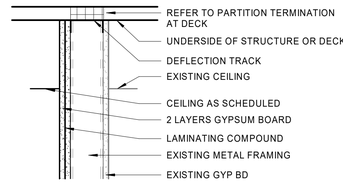

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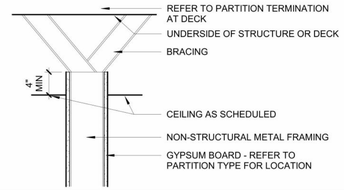

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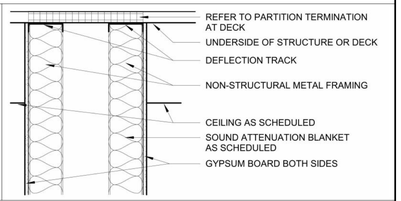
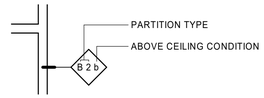


GENERAL NOTES

A. REFER SPECIFICATIONS FOR WALL SUBSTRATE AT AREAS TO RECEIVE AN APPLIED FINISH OR HUMID/WET.
B. AT WALLS SCHEDULED TO RECEIVE WALL TILE, REFER TO SPECIFICATIONS FOR SUBSTRATE MATERIAL
C. FIRE-TEST RESPONSE CHARACTERISTICS:
   a. FOR FIRE-RESISTANCE-RATED ASSEMBLIES THAT INCORPORATE NON-LOAD BEARING STEEL FRAMING, PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED, ACCORDING TO ASTM E119 BY AN INDEPENDENT TESTING AGENCY. GYPSUM BOARD TO BE 5/8" THICK WITH LONG EDGES TAPERED. CEILINGS MEETING ASTM C1396/C1396M.
   b. HORIZONTAL DEFLECTION: FOR COMPOSITE AND NON COMPOSITE WALL ASSEMBLIES, LIMITED TO FOLLOWING RATIOS OF THE WALL HEIGHT BASED ON HORIZTONAL LOADING OF 5 LBF/SQ.FT.:
      - CERAMIC TILE: 1/360
      - GYPSUM BOARD AND OTHER FINISHES: 1/240
   c. DESIGN FRAMING SYSTEMS IN ACCORDANCE WITH AISI S220, "NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL FRAMING - NONSTRUCTURAL MEMBERS."

PARTITION GENERAL NOTES

THE FOLLOWING PARTITION GRAPHIC SYMBOL AND THREE PART NOTATION SYSTEM IS USED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT. NOTE: THE PARTITION CONSTRUCTION WILL MAINTAIN ITS DESIGNATION TO THE POINT OF AN INTERSECTING PARTITION. IF NO CHANGE IN DESIGNATION IS SHOWN BEYOND THE INTERSECTION, THE PREVIOUS PARTITION CONSTRUCTION DESIGNATION APPLIES. REFER TO CODE PLAN G-101 FOR RATED WALLS.



- WHERE SOUND-ATTENUATION BLANKETS ARE SCHEDULED :
  1. INSTALL ACOUSTICAL SEALANT AT ALL PENETRATIONS PER MANUFACTURER'S INSTRUCTIONS AT TOP AND BOTTOM OF WALLS (BOTH SIDES).
  2. PUTTY PADS AT ALL WALL PENETRATIONS INCLUDING ELECTRIC OUTLETS, IT BACK BOXES.
- ALL ASSEMBLY THICKNESSES LISTED IN THE PARTITION TYPES ARE BASED ON 5/8" THICK GYPSUM BOARD. ALTERNATE GYPSUM BOARD THICKNESSES WILL HAVE A DIFFERENT ASSEMBLY THICKNESS.
- WHERE RATED ASSEMBLY EXTENDS TO STRUCTURE ABOVE PROVIDE UL APPROVED FIRE RATED HEAD OF WALL ASSEMBLY TO MATCH RATING OF WALL. WALL HEIGHTS EXCEEDING STUD MANUFACTURER'S MAXIMUM (LIMITING) SPAN USING 5PSF LATERAL LOADING SHALL BE BRACED TO STRUCTURE ABOVE. (LAY-IN CEILINGS ARE NOT ACCEPTABLE BRACING, HARD CEILINGS ARE ACCEPTABLE).
- "STRUCTURE ABOVE" (AS NOTED IN THE PARTITION CONDITIONS) IS DEFINED AS THE UNDERSIDE OF ONE OR MORE OF THE FOLLOWING:
  - COMPOSITE FLOOR SLAB
  - STAIR TREADS/RISERS
  - METAL ROOF DECK
  - STEEL BEAMS
- IN NO CASE SHALL THE BOTTOM OF STEEL JOISTS BE CONSIDERED BOTTOM OF STRUCTURE ABOVE
- NR = NOT RATED

WALLBOARD NOTES

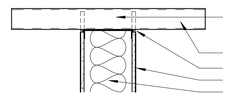
LOCATIONS AND TYPES OF WALLBOARD (WALLS AND/OR CEILINGS), UNLESS OTHERWISE NOTED.

A. COMMERCIAL DRY' LOCATIONS (NO WET UTILITY FUNCTION, SUCH AS HALLWAYS, DRY AREA CEILINGS, SOFFITS, DECORATIVE/ACCENT WALLS, CORRIDOR WALLS, CLASSROOMS, OFFICES, STORAGE, ETC.), REFER TO SPECIAL LOCATIONS BELOW FOR EXCEPTIONS:
   1. PAINT OR PANEL FINISH: STANDARD GYPSUM BOARD AND/OR FIRE-RESISTANT GYPSUM BOARD
   2. FRP FINISH: MOISTURE AND MOLD-RESISTANT GYPSUM BOARD AND/OR FIRE-RESISTANT RATED WITH MOISTURE AND MOLD-RESISTANT GYPSUM BOARD
   3. TILE FINISH: CEMENT BOARD
B. 'COMMERCIAL LIMITED WATER EXPOSURE' LOCATIONS (TOILET WALLS AND WAINSCOTS, ETC.):
   1. PAINT, PANEL OR FRP FINISH: MOISTURE AND MOLD-RESISTANT GYPSUM BOARD AND/OR FIRE-RESISTANT RATED WITH MOISTURE AND MOLD-RESISTANT GYPSUM BOARD
   2. TILE FINISH: CEMENT BOARD
C. SPECIAL LOCATIONS:
   1. AREAS BEHIND OR ADJACENT TO INDIVIDUAL PLUMBING FIXTURES (DRINKING FOUNTAIN, EMERGENCY WASH STATION, LAVATORY, SINK IN MILLWORK, ETC.): PAINT OR PANEL FINISH – FIRE-RESISTANT RATED WITH MOISTURE AND MOLD-RESISTANT GYPSUM BOARD; TILE OR FRP FINISH – CEMENT BOARD. WALLBOARD AND WATER-PROOF MEMBRANE/SYSTEM SHALL EXTEND 24" (MINIMUM) PAST OUTER EDGE OF FIXTURE ON SIDES / TOP AND TO THE FINISHED FLOOR.
   2. ALL CORRIDORS: PAINT OR PANEL FINISH - HIGH IMPACT RESISTANT GYPSUM BOARD (FLOOR TO 8'-0" ABOVE FINISHED FLOOR) WITH STANDARD GYPSUM BOARD AND/OR FIRE-RESISTANT GYPSUM BOARD ABOVE 8'-0" TO STRUCTURE.

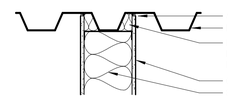
REFER TO DRAWINGS/SPECIFICATIONS FOR ADDITIONAL INFORMATION AND/OR WALLBOARDS OR FINISHES NOT LISTED ABOVE. REFER TO G-SHEETS FOR FIRE-RATED LOCATIONS. REFER TO "CERAMIC TILE" SPECIFICATION FOR ADDITIONAL INFORMATION ON "TILE BACKING PANELS", "SETTING MATERIALS" AND "WATERPROOF MEMBRANE".

PARTITION TERMINATION AT DECK

2A. PERPENDICULAR ELEVATION



2. STUD PERPENDICULAR TO DECK



1. STUD PARALLEL TO DECK

Parkhill

REGISTERED ARCHITECT DAVID M. AUSTIN 31548 STATE OF TEXAS

07/29/2024

Parkhill.com

BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	ISSUED FOR CONSTRUCTION

Interior Partition Schedule

A-002

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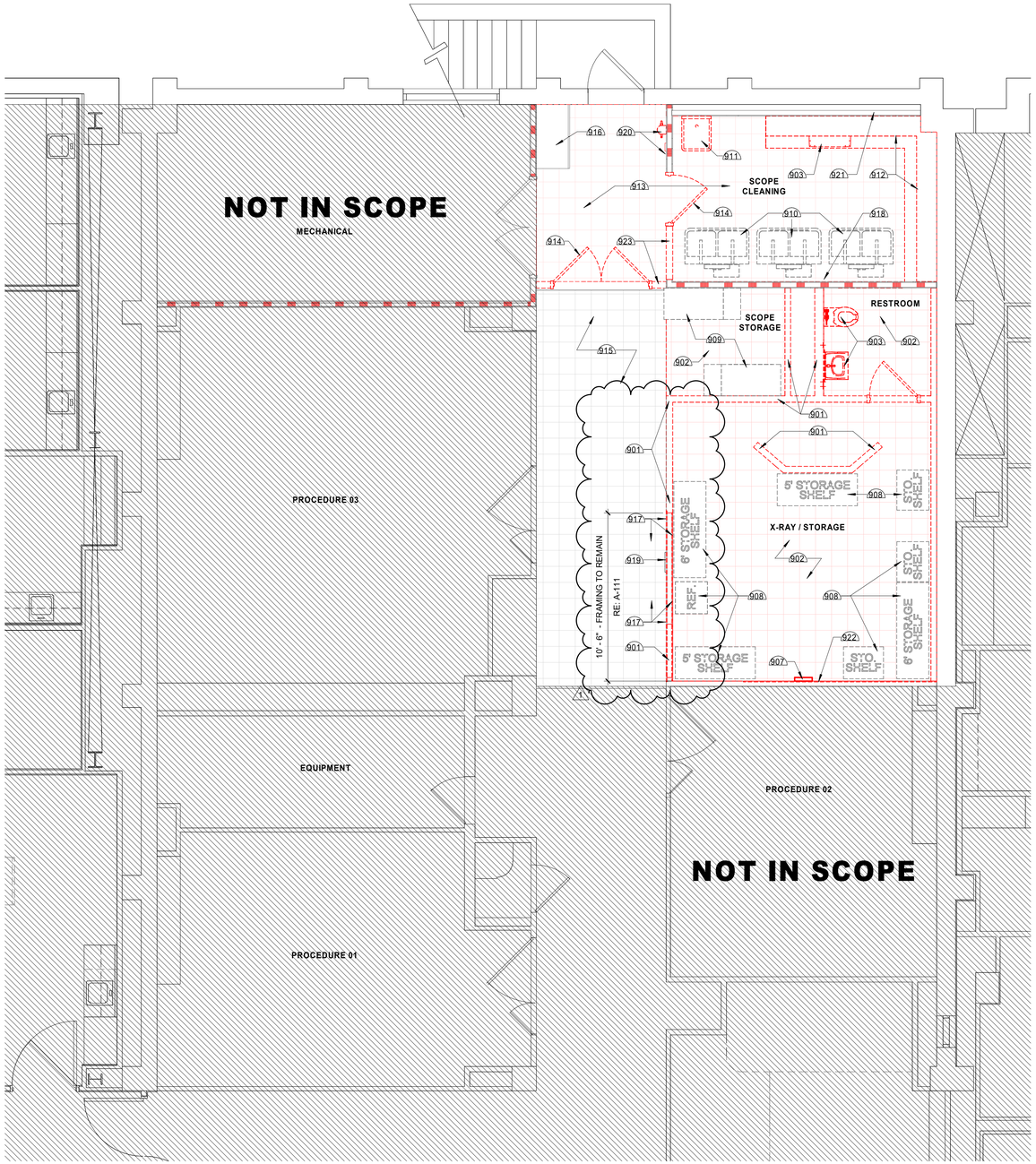
R 24



GENERAL NOTES

A. ISOLATE AREAS OCCUPIED BY OWNER OR PUBLIC WITH DUST BARRIERS DURING DEMOLITION AND CONSTRUCTION. EXTEND BARRIERS FROM FLOOR TO DECK AND WALL TO WALL.
B. PRIOR TO BEGINNING DEMOLITION, SURVEY FACILITY AND NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE SHOWN ON DRAWINGS.
C. DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO, THOSE ITEMS NOTED. OTHER ITEMS OF MINOR NATURE MAY EXIST WHICH ARE NOT SPECIFICALLY NOTED ON DRAWINGS ARE TO BE REMOVED AS REQUIRED TO PROVIDE ACCESS OR ALLOW ALTERATIONS FOR WORK TO PROCEED.
D. REMOVE FLOOR FINISH AND ADHESIVES IN AFFECTED AREAS AS REQUIRED.
E. WHERE DEMOLITION EXPOSES SUBSTRATES TO RECEIVE FINISH MATERIALS, PROPERLY REMOVE EXISTING MATERIALS AS REQUIRED AND PREP TO RECEIVE NEW FINISHES.
F. PROVIDE MEASURES TO PROTECT MATERIAL INDICATED TO REMAIN DURING CONSTRUCTION.
G. IF SUSPECTED HAZARDOUS MATERIALS ARE ENOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY OWNER AND ARCHITECT.
H. LEAD LINED GYPSUM BOARD (IF ENOUNTERED) TO BE PROPERLY DISPOSED OF AND/OR RECYCLED. MAINTAIN ADEQUATE EXPOSURE CONTROL AND PERSONAL PROTECTION AT ALL TIMES WHEN INTERACTING WITH PRODUCTS CONTAINING HIGH LEAD CONCENTRATIONS.
I. PATCH AND REPAIR ADJACENT SURFACES TO MATCH EXISTING WHERE REQUIRED DUE TO DEMOLITION.
J. MAINTAIN EXISWTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLITION OPERATIONS.
K. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENOUNTERED, INVESTIGATE AND MEASURE THE NATURE AND EXTENT OF THE CONFLICT. PROMPTLY SUBMIT A WRITTEN REPORT TO OWNER AND ARCHITECT.
L. OWNER SHALL HAVE FIRST SALVAGE RIGHTS TO IMPROVEMENTS REMOVED DURING CONSTRUCTION. COORDINATE WITH OWNER PRIOR TO BEGINNING OF PROJECT FOR ITEMS TO BE SALVAGED.
M. COORDINATE DEMOLITION WORK WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. UNLESS OTHERWISE NOTED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR.
N. EXISTING CONDITIONS REMAINING ARE TO BE PROTECTED DURING CONSTRUCTION. DAMAGE OCCURRING DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH ORIGINAL CONDITION.
O. VERIFY WITH OWNER FINAL DISPOSITION OF SALVAGED MATERIAL OR EQUIPMENT REMOVED DURING CONSTRUCTION.
P. NOTIFY OWNER AND ARCHITECT OF ANY CONFLICTS WITH MEDGAS LINES IN DEMOLITION SCOPE. ALL LINES TO REMAIN OPERATIONAL THROUGHOUT THE DURATION OF DEMOLITION AND NEW CONSTRUCTION
Q. REVIEW SHEET A-105 FOR DETAILS ON PROGRAMMATIC PHASING REQUIREMENTS
R. REF. MECHANICAL SHEETS FOR SCOPE OF ABOVE CEILING DEMOLITION AND RELOCATION OR REMOVAL OF EXISTING VENTS

DEMOLITION NOTES

AS INDICATED BY: (B) →

901 PORTION OF EXISTING WALL TO BE REMOVED TO ALIGN WITH NEW CONSTRUCTION, SEE A-111.
902 FLOORING TO BE REMOVED
903 FIXTURES TO BE REMOVED - REF. PLUMBING
907 EXISTING PANEL TO BE REMOVED - REF. ELECTRICAL
908 EXISTING STORAGE SHELVES AND REFRIGERATOR TO BE RELOCATED; GC TO COORDINATE WITH OWNER ON ACCEPTABLE INTERMEDIARY LOCATION
909 EXISTING SCOPE STORAGE CABINETS TO BE RELOCATED - REF. OVERALL PHASING PLAN - REF. ELECTRICAL
910 EXISTING SCOPE SANITIZERS TO BE RELOCATED - REF. OVERALL PHASING PLAN - REF. PLUMBING
911 EXISTING SERVICE SINK TO BE REMOVED - REF. PLUMBING
912 EXISTING MILLWORK TO BE REMOVED
913 SUSPECTED ASBESTOS TILE TO BE REMOVED - REF. OVERALL PHASING PLAN
914 EXISTING DOOR TO BE REMOVED
915 VERIFY EXTENT OF FLOORING DEMOLITION WITH OWNER IN FIELD PRIOR TO COMMENCEMENT OF CONSTRUCTION. PATCH AND REPAIR EXISTING FLOOR TO ALIGN WITH NEW CONSTRUCTION U.N.O.
916 EXISTING CABINET TO REMAIN
917 EXISTING GYP BOARD TO BE REMOVED - EXISTING MEDGAS LINES AND ASSOCIATED FRAMING TO REMAIN, SEE 919.
918 EXISTING SANITIZER PLUMBING TO BE REMOVED - REF. PLUMBING - REF. OVERALL PHASING PLAN
919 EXISTING MED GAS ZONE VALVE BOX AND ASSOCIATED LINES TO REMAIN; COORDINATE DEMOLITION EXTENT WITH OWNER TO ENSURE CONTINUAL OPERATION THROUGHOUT DEMOLITION.
920 EXISTING FIRE EXTINGUISHER & ALARM TO BE RELOCATED - REF. ELECTRICAL - REF. G-101 & A-113
921 EXISTING PLUMBING WALL TO REMAIN, INFILL EXISTING HOLES AND PREP SURFACE FOR NEW FINISH
922 INTERIOR LEAD LINED GYPSUM BOARD TO BE REMOVED TO ALIGN WITH NEW CONSTRUCTION; EXISTING STUD WALL AND CAVITY TO REMAIN. - REF. G-101, A-002 AND A-111 FOR WALL ASSEMBLY DETAILS
923 REMOVE PORTION OF WALL TO ALIGN WITH NEW CONSTRUCTION - REF. A-111

A1 DEMOLITION FLOOR PLAN
1/4" = 1'-0"

0 2' 4' 8'

NORTH

9/2/2025 12:27:53 PM

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REGISTERED ARCHITECT DAVID M. AUSTIN 31548 STATE OF TEXAS

07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

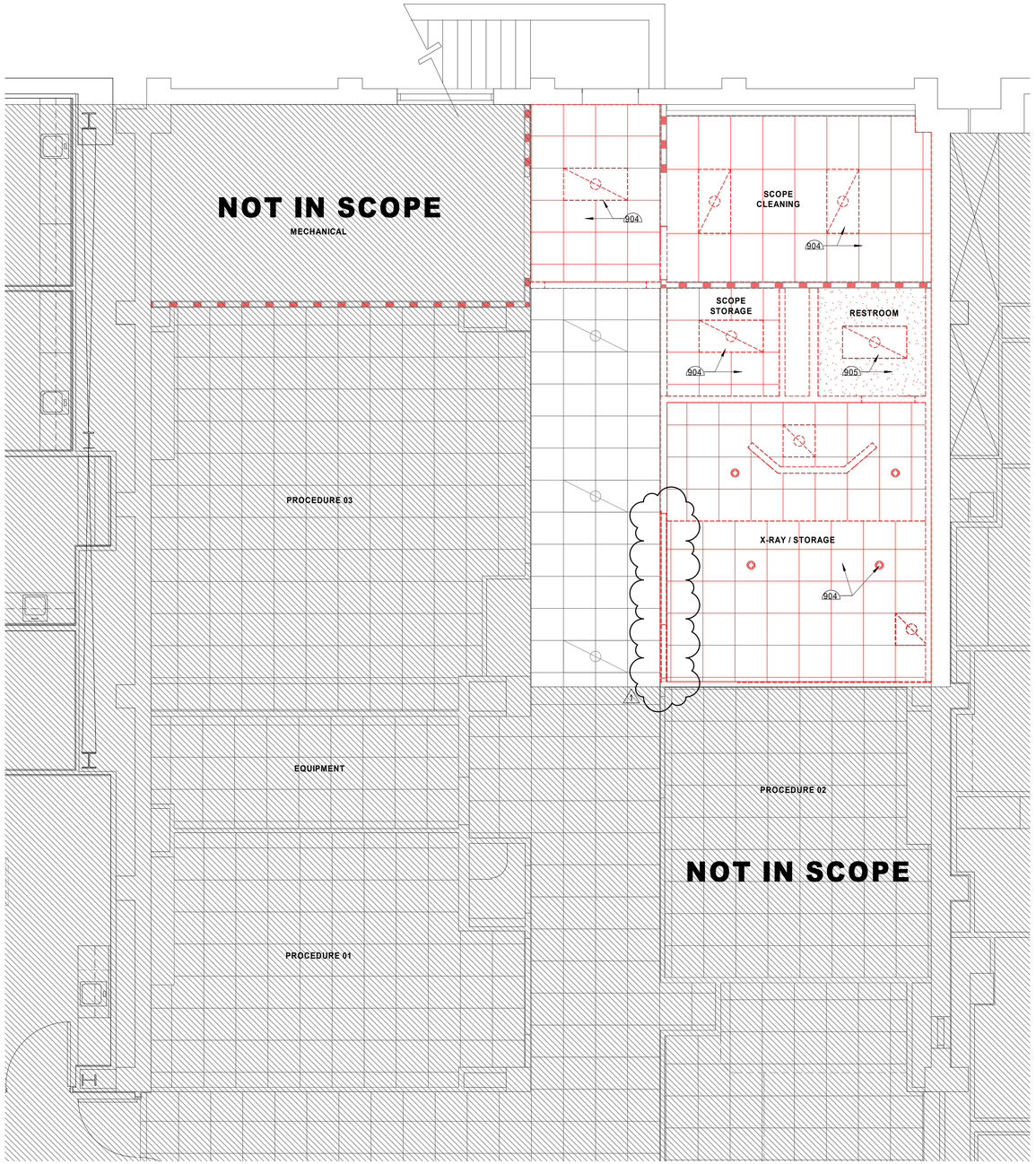
PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Demolition Plan

A-101



GENERAL NOTES

A. ISOLATE AREAS OCCUPIED BY OWNER OR PUBLIC WITH DUST BARRIERS DURING DEMOLITION AND CONSTRUCTION. EXTEND BARRIERS FROM FLOOR TO DECK AND WALL TO WALL.
B. PRIOR TO BEGINNING DEMOLITION, SURVEY FACILITY AND NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE SHOWN ON DRAWINGS.
C. DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO, THOSE ITEMS NOTED. OTHER ITEMS OF MINOR NATURE MAY EXIST WHICH ARE NOT SPECIFICALLY NOTED ON DRAWINGS ARE TO BE REMOVED AS REQUIRED TO PROVIDE ACCESS OR ALLOW ALTERATIONS FOR WORK TO PROCEED.
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F. PROVIDE MEASURES TO PROTECT MATERIAL INDICATED TO REMAIN DURING CONSTRUCTION.
G. IF SUSPECTED HAZARDOUS MATERIALS ARE ENOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY OWNER AND ARCHITECT.
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I. PATCH AND REPAIR ADJACENT SURFACES TO MATCH EXISTING WHERE REQUIRED DUE TO DEMOLITION.
J. MAINTAIN EXISWTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLITION OPERATIONS.
K. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENOUNTERED, INVESTIGATE AND MEASURE THE NATURE AND EXTENT OF THE CONFLICT. PROMPTLY SUBMIT A WRITTEN REPORT TO OWNER AND ARCHITECT.
L. OWNER SHALL HAVE FIRST SALVAGE RIGHTS TO IMPROVEMENTS REMOVED DURING CONSTRUCTION. COORDINATE WITH OWNER PRIOR TO BEGINNING OF PROJECT FOR ITEMS TO BE SALVAGED.
M. COORDINATE DEMOLITION WORK WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. UNLESS OTHERWISE NOTED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR.
N. EXISTING CONDITIONS REMAINING ARE TO BE PROTECTED DURING CONSTRUCTION. DAMAGE OCCURRING DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH ORIGINAL CONDITION.
O. VERIFY WITH OWNER FINAL DISPOSITION OF SALVAGED MATERIAL OR EQUIPMENT REMOVED DURING CONSTRUCTION.
P. NOTIFY OWNER AND ARCHITECT OF ANY CONFLICTS WITH MEDGAS LINES IN DEMOLITION SCOPE. ALL LINES TO REMAIN OPERATIONAL THROUGHOUT THE DURATION OF DEMOLITION AND NEW CONSTRUCTION
Q. REVIEW SHEET A-105 FOR DETAILS ON PROGRAMMATIC PHASING REQUIREMENTS
R. REF. MECHANICAL SHEETS FOR SCOPE OF ABOVE CEILING DEMOLITION AND RELOCATION OR REMOVAL OF EXISTING VENTS

DEMOLITION NOTES

AS INDICATED BY: (B)—►

904 LAY-IN CEILING & LIGHTING TO BE REMOVED - REF. ELECTRICAL
905 CEILING & LIGHTING TO BE REMOVED - REF. ELECTRICAL

LEGEND

GYPSUM WALL BOARD CEILING TO BE REMOVED
LAY-IN CEILING TO BE REMOVED
LAY-IN CEILING TO REMAIN

A1 DEMOLITION REFLECTED FLOOR PLAN
1/4" = 1'-0"

0 2' 4' 8'

NORTH

9/2/2025 12:27:55 PM

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07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

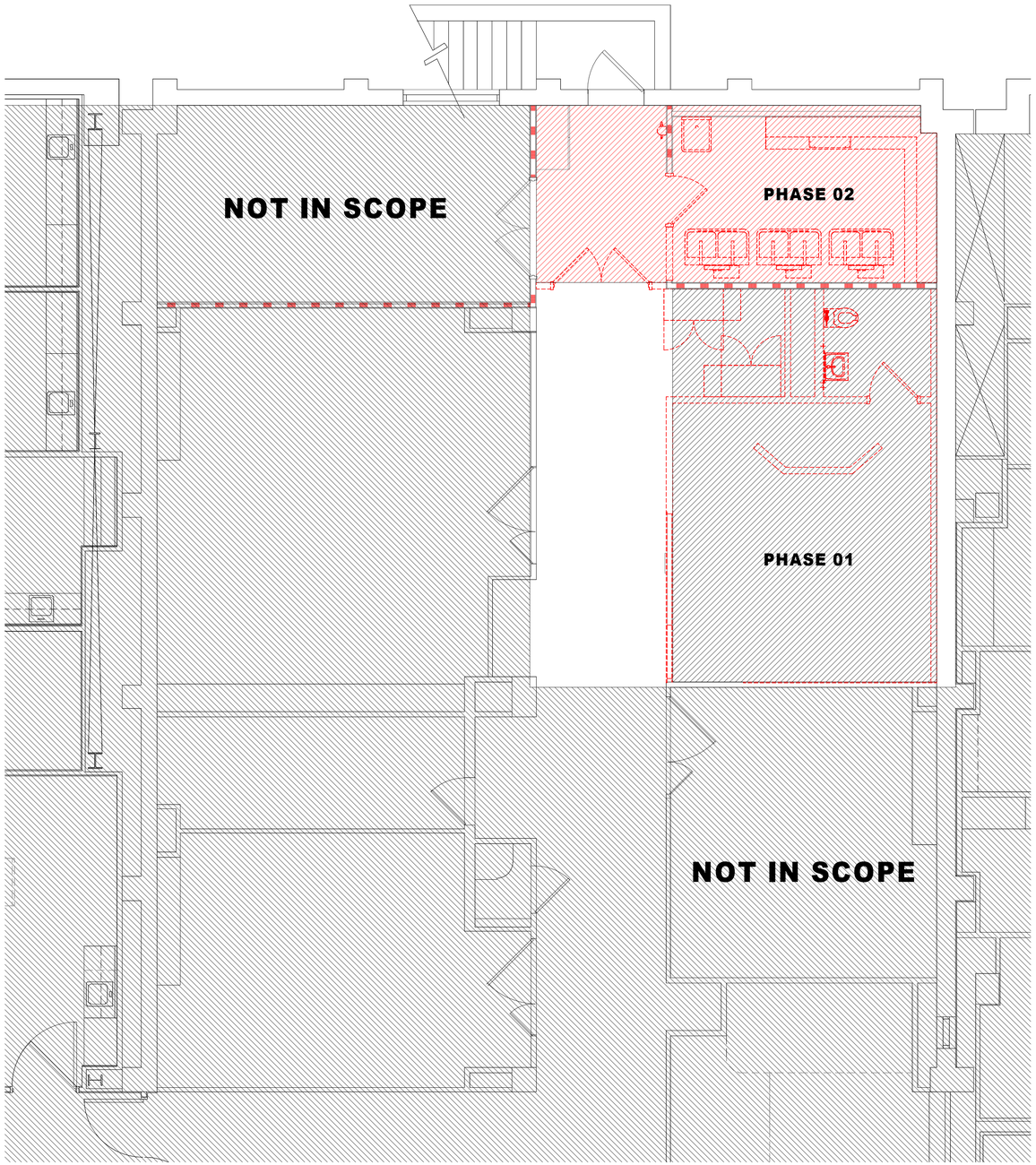
PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Demolition Reflected Ceiling Plan

A-102



A1 PROPOSED DEMOLITION & CONSTRUCTION PHASING PLAN
1/4" = 1'-0"

0 2' 4' 8'

NORTH

PROGRAMMATIC PHASING REQUIREMENTS

A. DEMOLITION & NEW CONSTRUCTION TO BE PHASED IN A MANNER THAT ALLOWS FOR CONTINUAL OPERATION OF SCOPE CLEANING PROCESSES & ASSOCIATED EQUIPMENT THROUGHOUT THE ENTIRE DURATION OF THE RENOVATION.
B. ALL ACTIVE MEDGAS LINES TO REMAIN OPERATIONAL FOR PROCEDURE USE THROUGHOUT THE DURATION OF THE RENOVATION.
C. OWNER TO COORDINATE WITH CONTRACTOR ON INTERMEDIARY LOCATIONS FOR CLEAN STORAGE DURING THE RENOVATION PROCESS.

PROPOSED PHASING NARRATIVE

THIS PROPOSED PHASING PLAN SERVES SOLELY AS A REFERENCE AND SHOULD NOT BE USED AS A COMPREHENSIVE GUIDE FOR THE DEMOLITION OR RENOVATION PROCESS. SEE GENERAL NOTE A FOR FURTHER DETAILS.

BASED ON PROGRAMMATIC REQUIREMENTS PROVIDED BY OWNER (AS LISTED ABOVE), DEMOLITION WILL NEED TO BE PHASED IN AT LEAST 2 DEDICATED PHASES TO ENSURE CONTINUAL OPERATION OF THE UNIT.

PROPOSED 2 PHASE NARRATIVE

A. PROPOSED PHASE 01: COORDINATE WITH OWNER ON TEMPORARY LOCATION FOR CLEAN SUPPLIES AND SCOPE STORAGE CABINETS THROUGHOUT THE DURATION OF THE RENOVATION - MIN. 1 HR RATED ENCLOSURE OR ROOM REQUIRED. COMMENCE DEMOLITION AND ASSOCIATED CONSTRUCTION WORK FOR ROOMS 109, 110, 111 AND 112 ONCE SUPPLIED AND EQUIPMENT HAVE BEEN RELOCATED.

B. PROPOSED PHASE 02: ONCE COMPLETED, RELOCATE ASSOCIATED FIXTURES, EQUIPMENT AND SUPPLIES INTO ASSOCIATED ROOMS. ENSURE COMPLETE OPERATION OF THE SANITIZATION AND STORAGE PROCESS PRIOR TO PROCEEDING WITH PHASE 02 DEMOLITION. ONCE ALL NEW ROOMS ARE FULLY OPERATIONAL, THE NORTH CORRIDOR AND PREVIOUS PROCESSING ROOM MAY RECEIVE A FULL ABATEMENT, FOLLOWED BY ASSOCIATED DEMOLITION AND CONSTRUCTION FOR ROOM 113.

ALTERNATE 3 PHASE NARRATIVE

A. PROPOSED PHASE 01: COORDINATE WITH OWNER ON TEMPORARY LOCATION FOR CLEAN SUPPLIES AND SCOPE STORAGE CABINETS THROUGHOUT THE DURATION OF THE RENOVATION - MIN. 1 HR RATED ENCLOSURE OR ROOM REQUIRED. BEGIN DEMOLITION AND ASSOCIATED FRAMING WORK FOR ROOM 109. TEMPORARILY LOCATE EXISTING SCOPE STORAGE CABINETS IN SPACE ONCE APPROPRIATELY & SAFETLY FINISHED FOR USE BY STAFF.

B. PROPOSED PHASE 02: ONCE SCOPE CABINETS HAVE BEEN RELOCATED, COMMENCE ASSOCIATED DEMOLITION & CONSTRUCTION FOR ROOMS 110, 111 AND 112. FINISH SPACES COMPLETELY & RELOCATE SCOPE CABINETS TO ROOM 111 FOR FINAL INSTALLATION. ONCE CABINETS HAVE BEEN RELOCATED, PLUMBING AND REMAINING FINISHES / FIXTURES MAY BE PLACED IN ROOM 109.

C. PROPOSED PHASE 03: RELOCATE EXISTING SANITIZERS & ASSOCIATED EQUIPMENT INTO PROCESSING ROOMS 109 AND 110 ONCE SPACES ARE FINISHED. ENSURE COMPLETE OPERATION OF THE SANITIZATION AND STORAGE PROCESS PRIOR TO PROCEEDING WITH DEMOLITION. ONCE ALL NEW ROOMS ARE FULLY OPERATIONAL, THE NORTH CORRIDOR AND PREVIOUS PROCESSING ROOM MAY RECEIVE A FULL ABATEMENT, FOLLOWED BY ASSOCIATED DEMOLITION AND CONSTRUCTION FOR ROOM 113.

1

GENERAL NOTES

A. THESE PROPOSED PHASING PLANS AND NARRATIVES ARE TO BE USED FOR REFERENCE ONLY; EXACT DETAILS OF THE PHASING PROCESS TO BE COORDINATED WITH OWNER & ARCHITECT INTO A FINALIZED PHASING PLAN PRIOR TO COMMENCEMENT OF DEMOLITION AND CONSTRUCTION.

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07/29/2024

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Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Proposed Phasing Plan

A-105

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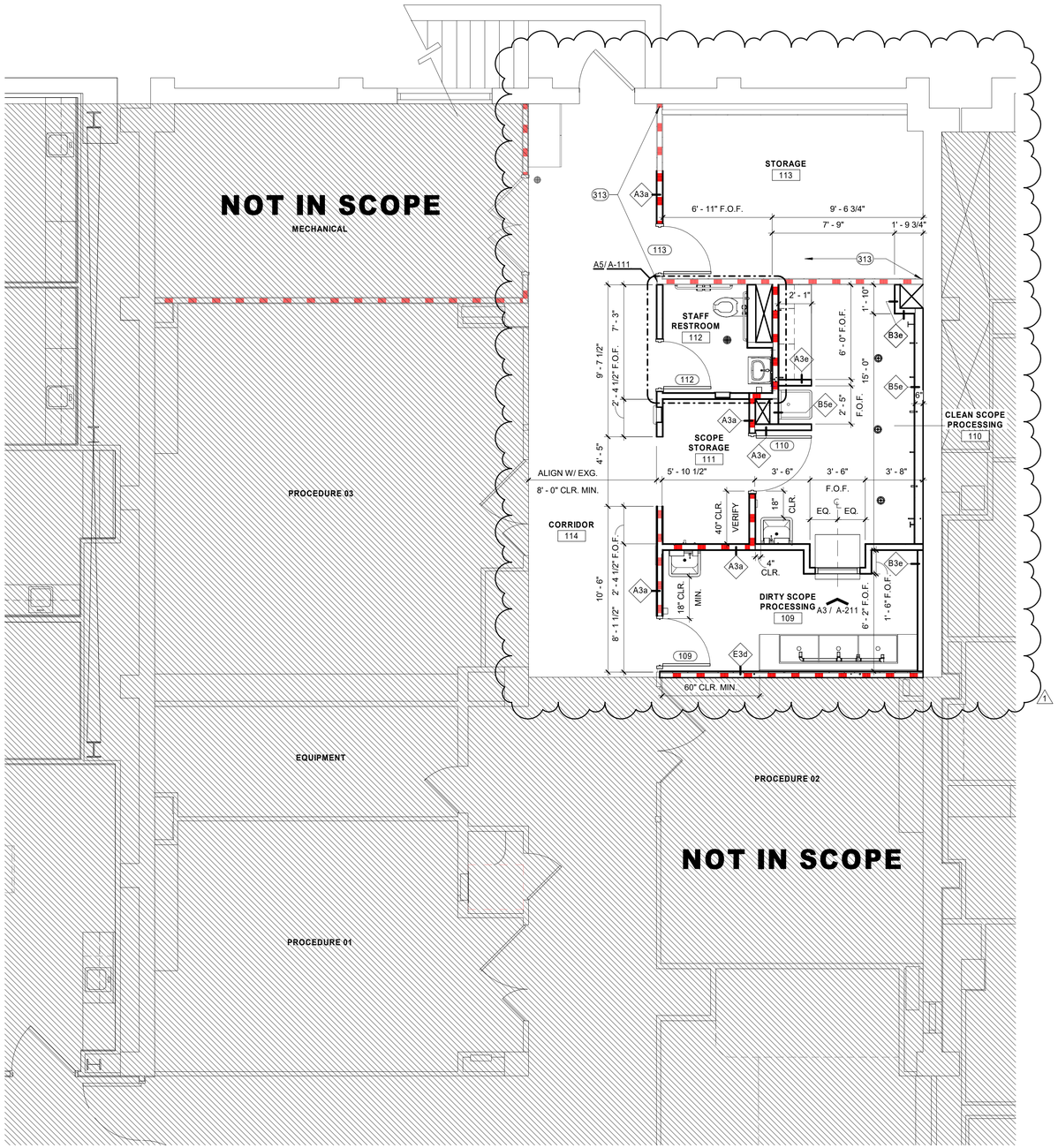


GENERAL NOTES

A. REFER TO ACCESSIBILITY STANDARDS SHEETS FOR TYPICAL MOUNTING LOCATIONS FOR TOILET ROOM ACCESSORIES.
B. ALL INTERIOR WALLS ARE A3a UNLESS NOTED OTHERWISE. REFER TO SHEET A-002 & A-003 FOR INTERIOR PARTITION SCHEDULE.
C. ALL DIMENSIONS ARE TO FACE OF STUD UNO.
D. FIRESTOPPING TO HAVE AN F-RATING OF AT LEAST 1 HOUR, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING OF CONSTRUCTIONS PENETRATED.
E. JOINTS IN OR BETWEEN FIRE-RESISTANCE RATED CONSTRUCTION; PROVIDE JOINT FIRESTOPPING SYSTEMS WITH RATING DETERMINED PER ASTM E 1966 OR UL 2079
F. PROVIDE JOINT SEALANTS, BACKINGS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY JOINT-SEALANT MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.

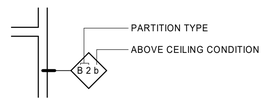
KEY NOTES

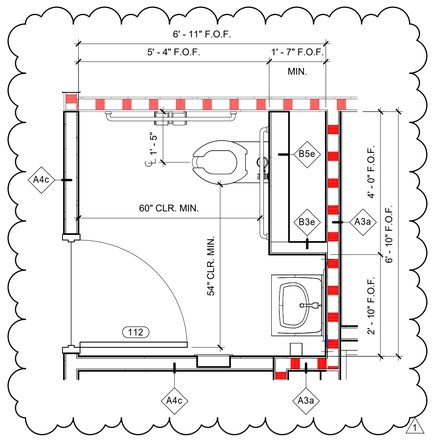
AS INDICATED BY: (#)

313 PATCH & INFILL WALLS AS NECESSARY TO ENSURE EXISTING WALLS MAINTAIN MINIMUM 1HR RATING TO DECK. PENETRATIONS AND HOLES TO MAINTAIN A MINIMUM FIRE RATING OF AT LEAST 1 HOUR, BUT NOT LESS THAN THE FIRE RESISTANCE RATING OF CONSTRUCTIONS PENETRATED THROUGHOUT. ALL WALL PENETRATIONS TO BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AND TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. - REF. MECH

PARTITION GENERAL NOTES

THE FOLLOWING PARTITION GRAPHIC SYMBOL AND THREE PART NOTATION SYSTEM IS USED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT. NOTE: THE PARTITION CONSTRUCTION WILL MAINTAIN ITS DESIGNATION TO THE POINT OF AN INTERSECTING PARTITION. IF NO CHANGE IN DESIGNATION IS SHOWN BEYOND THE INTERSECTION, THE PREVIOUS PARTITION CONSTRUCTION DESIGNATION APPLIES. REFER TO CODE PLAN G-101 FOR RATED WALLS.





A1 DIMENSIONED FLOOR PLAN
1/4" = 1'-0"

0 2' 4' 8'

NORTH

A5 ENLARGED PLAN DETAIL
1/2" = 1'-0"

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07/29/2024

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Interior Updates

BSA HEALTH SYSTEM

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1600 Wallace Blvd, Amarillo, TX 79106

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43007.24

KEY PLAN

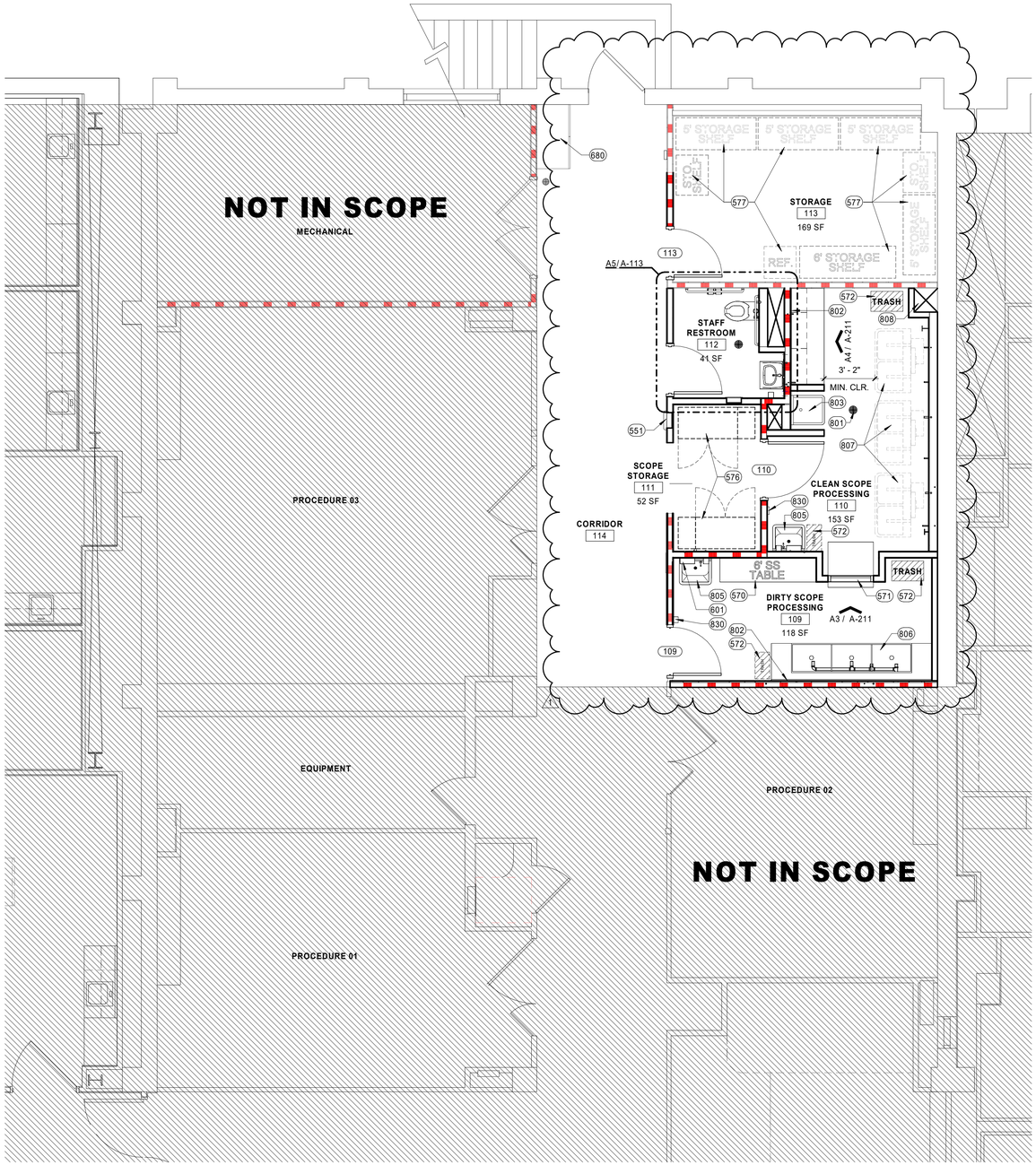
#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Dimensioned Floor Plan

A-111

GENERAL NOTES

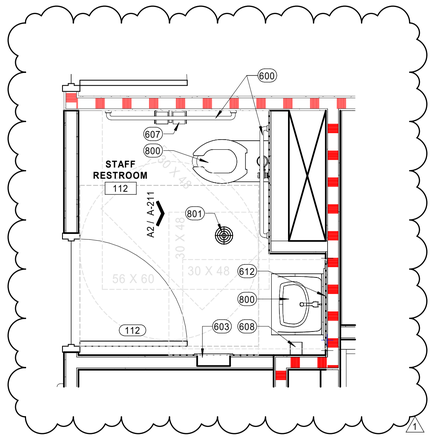
A. REFER TO ACCESSIBILITY STANDARDS SHEETS FOR TYPICAL MOUNTING LOCATIONS FOR TOILET ROOM ACCESSORIES.
B. ALL INTERIOR WALLS ARE A3a UNLESS NOTED OTHERWISE. REFER TO SHEET A-002 & A-003 FOR INTERIOR PARTITION SCHEDULE.
C. ALL DIMENSIONS ARE TO FACE OF STUD UNO.
D. FIRESTOPPING TO HAVE AN F-RATING OF AT LEAST 1 HOUR, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING OF CONSTRUCTIONS PENETRATED.
E. JOINTS IN OR BETWEEN FIRE-RESISTANCE RATED CONSTRUCTION; PROVIDE JOINT FIRESTOPPING SYSTEMS WITH RATING DETERMINED PER ASTM E 1966 OR UL 2079
F. PROVIDE JOINT SEALANTS, BACKINGS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY JOINT-SEALANT MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.



KEY NOTES

AS INDICATED BY: (#)

551 FEC - EQUAL TO LARSEN'S 2409-R4 WITH MP10 MULTI-PURPOSE FIRE EXTINGUISHER.
570 FREESTANDING 18X72 STAINLESS STEEL WORKTABLE W/ SHELF - OFCI
571 AUTOMATED PASSTHROUGH WINDOW - STERIS MODEL PTWAENDO2100 OR EQUAL. 34" WIDTH, 25" SHELF ON RECEIVING SIDE, 4" DEPTH ON SUPPLY. REF: ELECTRICAL.
572 THINLINE TRASHCAN - OFOI
576 RELOCATED SCOPE CABINETS, OFCI - REF. ELECTRICAL - REF. OVERALL PHASING PLAN
577 RELOCATED REFRIGERATOR AND STORAGE SHELVES - REF. OVERALL PHASING PLAN
600 GRAB BAR (GB) - STAINLESS STEEL, 0.05" THICK GRAB BAR WITH NO.4 (SATIN) FINISH. OD 1-1/12" WITH CONFIGURATION AND LENGTH AS INDICATED ON DRAWINGS.
601 OWNER PROVIDED PAPER TOWEL DISPENSER (PTD) AND SOAP DISPENSER (SD) OFCI. VERIFY FINAL PLACEMENT IN FIELD WITH OWNER - MAINTAIN EYEWASH CLEARANCE REQUIREMENTS PER. SINK MFR. GUIDELINES.
603 COMBINATION PAPER TOWEL DISPENSER/WASTE RECEPTACLE (PTDWR) - COORDINATE SELECTION W/ OWNER - BOBRICK B-36903 BASIS OF DESIGN - OFCI
607 TLT TISSUE DISPENSER (TTD-1) OFCI
608 SOAP DISPENSER (SD) OFCI
612 MIRROR (M1)
680 EXISTING MILLWORK
800 REF PLUMBING
801 FD. - REF. PLUMBING
802 COMPRESSED AIR / VACUUM OUTLET - REF: PLUMB.
803 WALL MOUNTED HOPPER SINK - REF: PLUMBING
805 WALL MOUNTED SINK W/ EYEWASH - REF. PLUMBING
806 FREESTANDING 3 COMPARTMENT STAINLESS STEEL SINK - REF. PLUMBING
807 RELOCATED SANITIZERS - REF. PLUMBING - REF. ELECTRICAL - REF. OVERALL PHASING PLAN
808 PLUMBING / MECHANICAL CHASE W/ 10X10 ACCESS PANEL - REF. PLUMBING
830 REF MECH



A1 ANNOTATION FLOOR PLAN
1/4" = 1'-0"

0 2' 4' 8'

NORTH

A5 ENLARGED RESTROOM PLAN DETAIL
1/2" = 1'-0"

9/2/2025 12:28:00 PM

R: v24

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REGISTERED ARCHITECT DAVID M. AUSTIN 31548 STATE OF TEXAS

07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

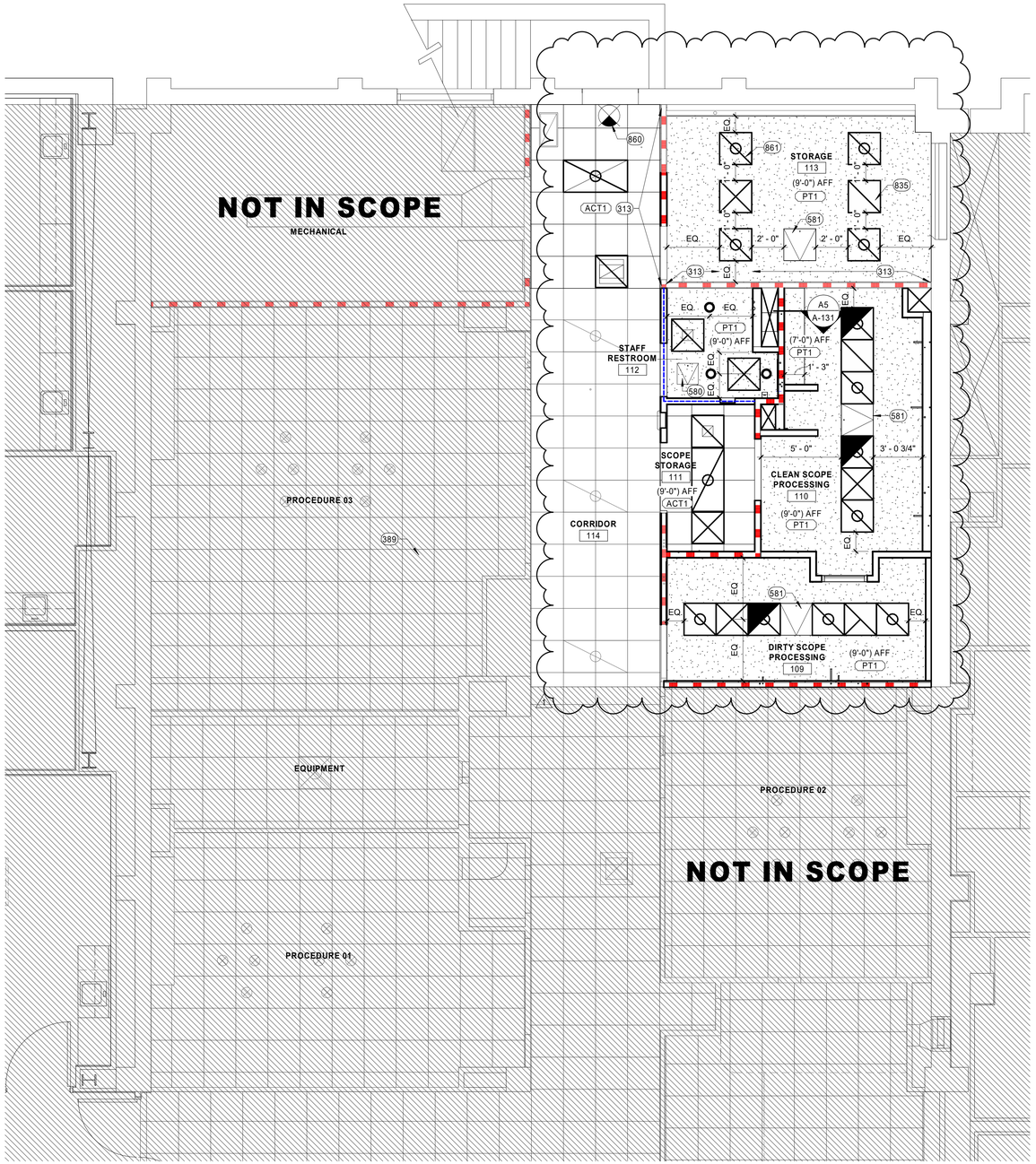
PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Annotation Floor Plan

A-113



A1 FIRST FLOOR - REFLECTED CEILING PLAN
1/4" = 1'-0"

0 2' 4' 8'

NORTH

GENERAL NOTES

A. DIMENSIONS ARE TO FACE OF STUD, CMU, OR CENTERLINE OF STRUCTURE UNO.
B. COORDINATE WITH MEP DRAWINGS FOR LOCATIONS OF FIXTURES. LOCATE AS SHOWN ON ARCHITECTURAL PLANS AND DETAILS. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO CONSTRUCTION.
C. FINAL SPRINKLER HEAD LOCATIONS SHALL BE SET BY FIRE PROTECTION ENGINEER AND APPROVED BY ARCHITECT.
D. CENTER DEVICES, SPRINKLER HEADS, ETC. IN CEILING TILES UNO.
E. CEILING HEIGHTS SHALL BE 9' - 0" ABOVE FINISHED FLOOR UNO.
F. REFER TO INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION CONCERNING HEIGHTS, CEILING MATERIALS AND FURRED CEILINGS.
G. ACOUSTIC PANEL CEILINGS TO MATCH EXISTING WITH SURFACE-BURNING CHARACTERISTICS COMPLYING WITH ASTM E84 AND FLAME-SPREAD INDES OF CLASS A ACCORDING TO ASTM E1264 AND SMOKE-DEVELOPMENT INDEX OF 50 OR LESS.
H. AT LOCATIONS OF PERFORATED RETURN AIR GRILLES, WIRING, CABLING, ETC. TO BE HELD CLEAR OF OPEN LINE OF SIGHT THROUGH GRILLE. IN CASES WHERE THIS IS UNAVOIDABLE, ITEMS VISIBLE ABOVE GRILLE ARE TO BE PAINTED FLAT BLACK.

KEY NOTES

AS INDICATED BY: (#)

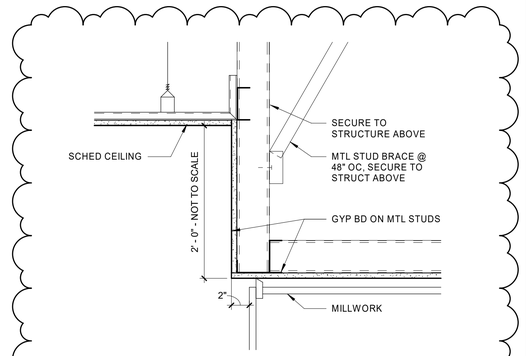
313 PATCH & INFILL WALLS AS NECESSARY TO ENSURE EXISTING WALLS MAINTAIN MINIMUM 1HR RATING TO DECK. PENETRATIONS AND HOLES TO MAINTAIN A MINIMUM FIRE RATING OF AT LEAST 1 HOUR, BUT NOT LESS THAN THE FIRE RESISTANCE RATING OF CONSTRUCTIONS PENETRATED THROUGHOUT. ALL WALL PENETRATIONS TO BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AND TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. - REF. MECH
389 ALIGN GRID HEIGHT AND LAYOUT W/ EXISTING
580 16"X16" ACCESS PANEL - 1" NOMINAL EXPOSED FRAME MADE FROM 16 GAUGE FACTORY PRIMED STEEL AND DOOR PANELS 20 GAUGE STEEL.
581 24"X24" ACCESS PANEL - 1" NOMINAL EXPOSED FRAME MADE FROM 16 GAUGE FACTORY PRIMED STEEL AND DOOR PANELS 20 GAUGE STEEL.
835 MECH GRILLE, REF MECH
860 REF ELECT
861 LIGHT FIXTURE, REF. ELECT

LEGEND

GYPSUM WALL BOARD CEILING

LAY-IN CEILING

------ DENOTES SOUND INSULATION



A5 FURR DOWN
1 1/2" = 1'-0"

Parkhill

REGISTERED ARCHITECT DAVID M. AUSTIN 31548 STATE OF TEXAS

07/29/2024

Parkhill.com

BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Reflected Ceiling Plan

A-131

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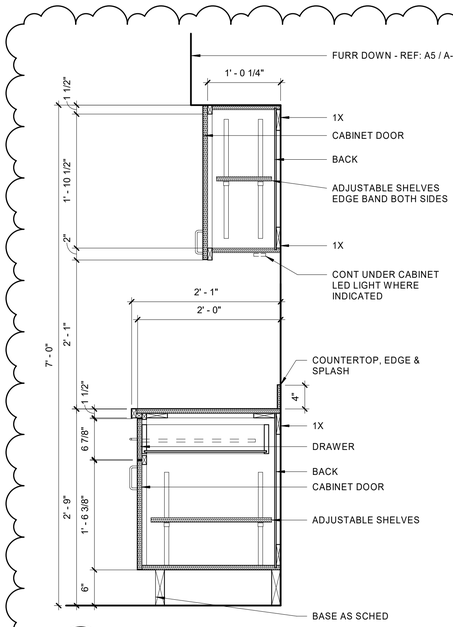
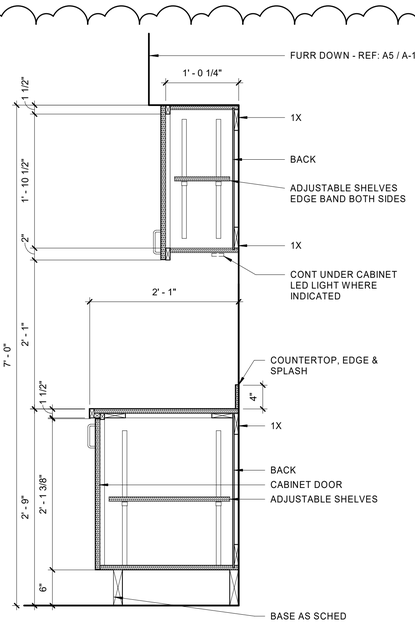
R x24

GENERAL NOTES

A. CONTRACTOR SHALL CONFIRM AND VERIFY ALL DIMENSIONS AND CONDITIONS REPORTING ANY AND ALL DISCREPANCIES TO THE ARCHITECT PRIOR TO BEGINNING ANY PHASE OF THIS WORK.
B. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR ADDITIONAL WORKS AND COORDINATION OF ITEMS REQUIRED.
C. REFERENCE INTERIOR MATERIAL LEGEND FOR MATERIAL SPECIFICS. REFER TO ACCESSIBILITY STANDARDS SHEETS FOR TYPICAL MOUNTING HEIGHTS / LOCATIONS FOR SPECIALTY EQUIPMENT AND ACCESSORIES.
D. COORDINATE IN WALL BLOCKING WITH WALL MOUNTED FFE.
E. COORDINATE FINAL LOCATIONS OF WALL MOUNTED FFE WITH OWNER UNO.



B3 SECTION
1" = 1'-0"



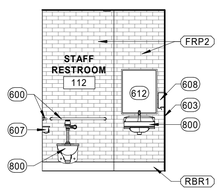
B4 SECTION
1" = 1'-0"

KEY NOTES

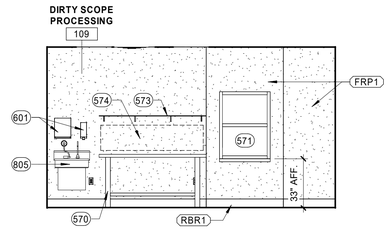
AS INDICATED BY: (#)

570	FREESTANDING 18X72 STAINLESS STEEL WORKTABLE W/ SHELF - OFCI
571	AUTOMATED PASSTHROUGH WINDOW - STERIS MODEL PTWAENDO2100 OR EQUAL. 34" WIDTH, 25" SHELF ON RECEIVING SIDE, 4" DEPTH ON SUPPLY. REF: ELECTRICAL.
573	WALL MOUNTED 12X72 STAINLESS STEEL SHELF - VERIFY FINAL ELEVATION IN FIELD WITH OWNER.
574	COORDINATE WALL MOUNTED EQUIPMENT (OFCI) IN FIELD WITH OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
600	GRAB BAR (GB) - STAINLESS STEEL, 0.05" THICK GRAB BAR WITH NO.4 (SATIN) FINISH. OD 1-1/12" WITH CONFIGURATION AND LENGTH AS INDICATED ON DRAWINGS.
601	OWNER PROVIDED PAPER TOWEL DISPENSER (PTD) AND SOAP DISPENSER (SD) OFCI. VERIFY FINAL PLACEMENT IN FIELD WITH OWNER - MAINTAIN EYEWASH CLEARANCE REQUIREMENTS PER. SINK MFR. GUIDELINES.
603	COMBINATION PAPER TOWEL DISPENSER/WASTE RECEPTACLE (PTDWR) - COORDINATE SELECTION W/ OWNER - BOBRICK B-36903 BASIS OF DESIGN - OFCI
607	TLT TISSUE DISPENSER (TTD-1) OFCI
608	SOAP DISPENSER (SD) OFCI
612	MIRROR (M1)
660	BASE, AS SCHED
800	REF PLUMBING
802	COMPRESSED AIR / VACUUM OUTLET - REF: PLUMB.
803	WALL MOUNTED HOPPER SINK - REF: PLUMBING
805	WALL MOUNTED SINK W/ EYEWASH - REF. PLUMBING

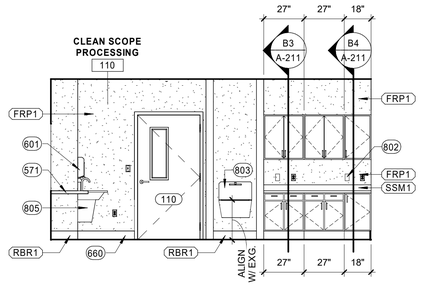
1



A2 INTERIOR ELEVATION
1/4" = 1'-0"



A3 INTERIOR ELEVATION
1/4" = 1'-0"



A4 INTERIOR ELEVATION
1/4" = 1'-0"

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Parkhill

REGISTERED ARCHITECT
DAVID M. AUSTIN
31548
STATE OF TEXAS

07/29/2024

Parkhill.com

BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Interior Elevations

A-211

DOOR SCHEDULE

DOOR								FIRE	FRAME		HARDWARE	DETAILS[6]			REMARKS[6]
MARK	PR	WIDTH[1]	WIDTH[1]	HEIGHT[1]	CONST[2]	TYPE[3]	GLAZING	RATING[4]	CONST[5]	SIZE		HEAD	JAMB	SILL	
109		3' - 0"		7' - 0"	HMPF	N1	G03	.75 HR	HM01	4 5/8"	H2	B5/A-601	A5/A-601		CLOSER AND SMOKE SEALS
110		3' - 6"		7' - 0"	HMPF	N1	G03	.75 HR	HM01	5 7/8"	H2	B5/A-601	A5/A-601		CLOSER AND SMOKE SEALS
112		3' - 0"		7' - 0"	HMPF	F	N/A		HM01	5 7/8"	H1	B5/A-601	A5/A-601		
113		3' - 0"		7' - 0"	HMPF	F	N/A	.75 HR	HM01	5 7/8"	H2	B5/A-601	A5/A-601		CLOSER AND SMOKE SEALS

GENERAL NOTES

A. FULLY TEMPERED FLOAT GLASS: ASTM C1048, KIND FT (FULLY TEMPERED), CONDITION A (UNCOATED), TYPE 1, CLASS 1 (CLEAR) QUALITY - Q3

GLAZING SCHEDULE

MARK	TYPE
G03	CLEAR FULLY TEMPERED GLASS; D-H-45 MIN RATING

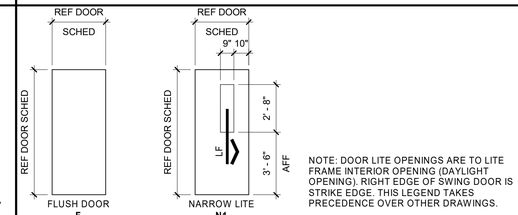
DOOR SCHEDULE FOOTNOTES X=EXISTING

1. DOOR SIZE
   SIZE INDICATED IS NOMINAL. REDUCTION SHALL BE MADE FOR THRESHOLD & EDGE CLEARANCES. ALL DOORS ARE 1 3/4" THICK UNO.
2. DOOR CONSTRUCTION/VENEER (## - REF TO I-001)
   - SCTF = SOLID CORE WOOD, TRANSPARENT FINISH
   - SCPF = SOLID CORE WOOD, PAINT FINISH
   - SCLP = SOLID CORE WOOD, LAMINATED PLASTIC COVER
   - SCIR = SOLID CORE WOOD, IMPACT RESISTANT
   - HM = HOLLOW METAL
   - HMLP = HOLLOW METAL, LAMINATED PLASTIC COVER
   - HMPF = HOLLOW METAL, PAINT FINISH
3. DOOR TYPE
   REFER TO DOOR TYPE SCHEDULE
4. FRAME CONSTRUCTION
   REFER TO DOOR FRAME SCHEDULES
   - HM = HOLLOW METAL
   - HMPF = HOLLOW METAL, PAINT FINISH
   - ALUM = ALUMINUM
   - WDTF = SOLID WOOD, TRANSPARENT FINISH
   - WDPF = SOLID WOOD, PAINT FINISH
5. FIRE RATING
   COMPARE DOOR & GLAZING SCHEDULE SHEET(S) AND LIFE SAFETY PLAN SHEET(S) FOR FIRE RATING. GC VERIFY AND CONFIRM DOORS, FRAMES, GLAZING AND HARDWARE REQUIRED TO ACHIEVE REQUIRED FIRE RATED ASSEMBLY.
6. DETAIL # —► A1/A-701 ◄— SHEET #
   - * = SIMILAR
7. REMARKS
   MISCELLANEOUS (GENERAL NOTES)
   - M1 = VERIFY ROUGH OPENINGS
   - M2 = DOOR TRIM TO MATCH EXISTING
   - M3 = LEAD LINED DOOR & FRAME
   - M4 = VERIFY FINISH OPENING SIZE
   - M5 = PROVIDE HOSPITAL STOP ON FRAME. SEE STANDARD DOOR DETAILS (THIS SHEET)
   - M6 = CASED OPENING FRAME
   - M7 = SEE STANDARD DOOR DETAILS (THIS SHEET) FOR DOOR HEAD / TRANSOM PANEL DETAILS
8. TRANSOM
   - T1 = WOOD TRANSOM TO MATCH DOOR, SIZE AS NOTED
   - T2 = HOLLOW METAL TRANSOM TO MATCH EXISTING
9. HARDWARE TYPE

   H1 =
   3 HINGE, FULL MORTISE - US26D - 4-1/2" X 4-1/2"
   1 PRIVACY LOCK - US26D - MATCH EXISTING STYLE AND FINISH
   1 KICK PLATE - US32D
   1 WALL STOP - US32D

   H2 =
   3 HINGE, FULL MORTISE - US26D - 4-1/2" X 4-1/2"
   1 ALP PUSH/PULL TRIM PASSAGE - US26D
   1 KICK PLATE - US32D
   1 WALL STOP - US32D
   1 SURFACE CLOSER - EN

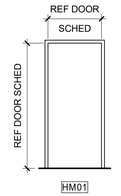
DOOR TYPE SCHEDULE



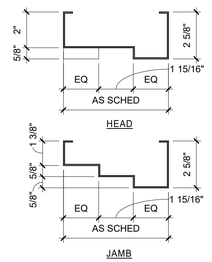
NOTE: DOOR LITE OPENINGS ARE TO LITE FRAME INTERIOR OPENING (DAYLIGHT OPENING). RIGHT EDGE OF SWING DOOR IS STRIKE EDGE. THIS LEGEND TAKES PRECEDENCE OVER OTHER DRAWINGS.

HOLLOW METAL FRAME SCHEDULE

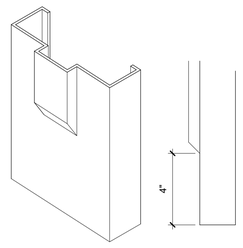
NOTE: FRAME FACES ARE 2" UNO



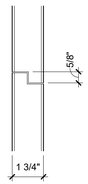
STANDARD DOOR DETAILS



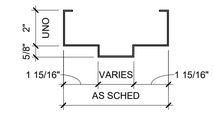
DOUBLE EGRESS FRAME



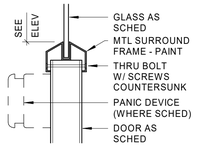
HOSPITAL STOP



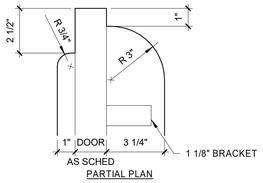
DOOR HEAD TRANSOM PANEL

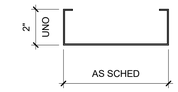


STANDARD FRAME

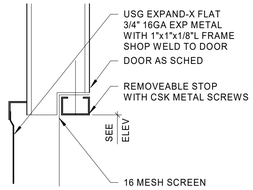


LITE FRAME -LF

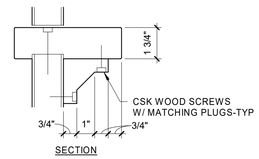




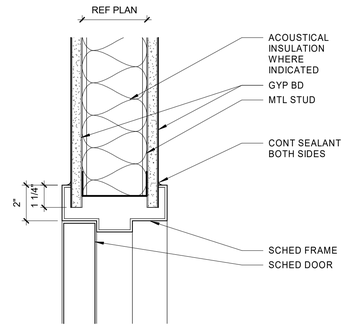
CASED OPENING FRAME



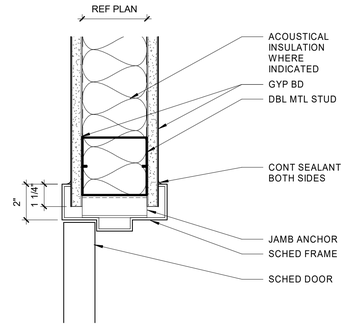
SCREEN DOOR - SD



DUTCH DOOR SHELF - DDS



B5 TYP HEAD
3" = 1'-0"



A5 TYP JAMB
3" = 1'-0"

Parkhill

REGISTERED ARCHITECT DAVID M. AUSTIN 31548 STATE OF TEXAS

07/29/2024

Parkhill.com

BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Door & Glazing Schedule

A-601

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INTERIOR MATERIAL LEGEND

	MARK	DESCRIPTION	MANUFACTURER	STYLE	COLOR	REMARKS
06 41 16 - PLASTIC LAMINATE CLAD ARCHITECTURAL CABINETS						
	PLAM1	PLASTIC LAMINATE UPPER AND LOWER CABINETS	WILSONART	HD AEON - ANTI-MICROBIAL	SUMNER OAK 17014 - SEE REMARKS LUNAR FROST 1849 - SEE REMARKS	CONTRACTOR TO PROVIDE RANGE OF SAMPLES FOR OWNER AND ARCHITECT TO REVIEW OR APPROVE
06 41 23 - PLASTIC LAMINATE FACED WOOD DOORS						
	PLAM1	PLASTIC LAMINATE DOOR	WILSONART	HD AEON - ANTI-MICROBIAL	TO MATCH SELECTED CABINET	
09 51 13 - ACOUSTIC PANEL CEILINGS						
	ACT1	ACOUSTIC CEILING TILE (FIELD) SIZE	ARMSTRONG CEILINGS 24" X 24"	TO MATCH EXISTING	TO MATCH EXISTING	CONTRACTOR TO PROVIDE SAMPLE FOR REVIEW PRIOR TO INSTALLATION
09 65 13 - RESILIENT BASE AND ACCESSORIES						
	RB1	RESILIENT BASE 4" 4" COVE WITH TOE	ROPPE	TO MATCH EXISTING	TO MATCH EXISTING	CONTRACTOR TO PROVIDE SAMPLE FOR REVIEW PRIOR TO INSTALLATION
09 65 16 - RESILIENT SHEET FLOORING						
	RBR1	SHEET RUBBER HEAT WELD	NORA	ENVIROCARE	7039 BABY SHOWER - SEE REMARKS 7035 SNOW SHOEING - SEE REMARKS 7041 WHALE WATCH - SEE REMARKS	CONTRACTOR TO PROVIDE RANGE OF SAMPLES FOR OWNER AND ARCHITECT TO REVIEW OR APPROVE
09 65 19 - VINYL COMPOSITION TILE FLOORING						
	VCT1	VINYL COMPOSITION TILE FLOORING	ARMSTRONG	TO MATCH EXISTING	TO MATCH EXISTING	CONTRACTOR TO PROVIDE SAMPLE FOR REVIEW PRIOR TO INSTALLATION
09 77 20 - DECORATIVE FIBERGLASS REINFORCED WALL PANELS						
	FRP1	FIBER REINFORCED PLASTIC PANELS	MARLITE	STANDARD FRP- SMOOTH, ANODIZED TRIM	P 100 WHITE, P 199 BRIGHT WHITE	CONTRACTOR TO PROVIDE RANGE OF SAMPLES FOR REVIEW
	FRP2	FIBER REINFORCED PLASTIC PANELS	MARLITE	SYMMETRIX FRP TILE - SUBWAY, ANODIZED TRIM	WHITE	CONTRACTOR TO PROVIDE GROUT SAMPLES FOR REVIEW
09 91 23 - INTERIOR PAINTING						
	PT1	PAINT	SHERWIN WILLIAMS	WATER-RESISTANT EPOXY PAINT	TO MATCH EXISTING	CONTRACTOR TO PROVIDE SAMPLE FOR REVIEW PRIOR TO APPLICATION
	PT2	PAINT	SHERWIN WILLIAMS		TO MATCH EXISTING	
	PT3	PAINT	SHERWIN WILLIAMS		TRICORN BLACK	
10 26 00 - WALL AND DOOR PROTECTION						
	CG1	CORNER GUARD	INPRO	SURFACE MOUNT	STAINLESS STEEL	
12 36 61.16 SOLID SURFACING COUNTERTOPS						
	SSM1	SOLID SURFACE MATERIAL	AVONITE	ACRYLIC	ALPINE SHIMMER 8206 - SEE REMARKS MIST 8512 - SEE REMARKS ARTICA 9015 - SEE REMARKS	CONTRACTOR TO PROVIDE RANGE OF SAMPLES FOR OWNER AND ARCHITECT TO REVIEW OR APPROVE

1

INTERIOR MATERIAL ABBREVIATIONS

A
ACT — ACOUSTICAL TILE CEILING
AWT — ACOUSTICAL WALL TREATMENT

B
BG — BUMPER GUARD

C
CB — COVE BASE
CG — CORNER GUARD
CHR — CHAIR RAIL
CPT — CARPET
CT — CERAMIC TILE
CURT — CUBICAL CURTAIN (PRIVACY, STAGE)

D
DLS — DIMENSIONAL LETTERS
DRS — DOUBLE ROLLER SHADE

F
FLS — FLUID APPLIED SPORTS FLOORING
FP — FOLDING PARTITION
FWP — FABRIC WRAPPED PANELS
FBP — FIBER REINFORCED PLASTIC

G
GLS — ARCHITECTURAL TILE
GLT — GLASS TILE
GF — GLASS FILM
GT — GROUT

H
HIC — HIGH IMPACT WALLCOVERING
HLB — HORIZONTAL LOUVER BLIND
HPC — HIGH-PERFORMANCE COATING
HR — HANDRAIL

K
KPI — KICKPLATE

L
LINO — LINOLEUM
LKR — LOCKER
LVT — LUXURY VINYL TILE

M
MT — METAL THRESHOLD
MTL — METAL TRANSITION
MTLB — METAL BASE

P
PB — PAINTED BASE
PC — POLISHED CONCRETE
PF — PLASTIC FABRICATIONS
PLAM — PLASTIC LAMINATE
PMTL — PAINTED METAL
PT — PAINT

Q
QT — QUARRY TILE
QTZ — QUARTZ SLAB

R
RACC — RESILIENT ACCESSORY
RB — RESILIENT BASE (VINYL, RUBBER, TP)
RBR — RUBBER (TILE AND SHEET)
RES — RESIN PANEL
RFS — RESILIENT SPORTS FLOORING
RSN — PLASTIC RESIN PANEL
RVL — REVEAL

S
SCN — SEALED CONCRETE
SCB — SELF COVE BASE
SGN — SIGNAGE
SRP — SLIP RESISTANT PROTECTIVE FLOORING
SRS — SINGLE ROLLER SHADE
SSM — SOLID SURFACE MATERIAL
SST — STAINLESS STEEL
SWS — SPECIAL WALL SURFACES
SV — SHEET VINYL

T
TC — TOILET COMPARTMENTS
TER — TERRAZZO
TKBD — TACKBOARD
TPF — TRANSPARENT FINISH
TS — TRANSITION STRIP

V
VCT — VINYL COMPOSITION TILE
VWC — VINYL WALL COVERING

W
WD — WOOD DOOR
WDF — WOOD FLOORING
WPC — WOOD PANEL CEILING

GENERAL NOTES

A. VERIFY AND COORDINATE DIMENSIONAL DISCREPANCIES (NEW AND EXISTING) FROM THIS OR ANY PLAN, SECTION OR ELEVATION WITH THE INTERIOR DESIGNER PRIOR TO CONSTRUCTION.
B. MATERIALS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. PATCH AND REPAIR ALL ADJACENT WALLS, CEILINGS, FLOORS, AND BASE TO MATCH EXISTING WHERE DEMOLITION OR DAMAGE OCCURS. NEW FINISHES SHALL MATCH THE ADJACENT WALL, CEILING, FLOOR, AND BASE, IN TEXTURE, PATTERN, AND COLOR. INTERIOR DESIGNER SHALL APPROVE FINAL WORK.
C. PREPARE SUBSTRATES TO RECEIVE NEW FINISHES PER MFR'S GUIDELINES.
D. THE INTERIOR MATERIAL LEGEND LISTS THE COLORS, PATTERNS AND TEXTURES REQUIRED FOR INTERIOR FINISHES, INCLUDING BOTH FACTORY APPLIED COLORS THAT ARE EXPOSED TO VIEW IN THE FINISHED CONSTRUCTION. SPECIFIC LOCATIONS WHERE THE VARIOUS MATERIALS ARE REQUIRED ARE INDICATED IN DRAWING. WHEN COLOR IS NOT DESIGNATED FOR ITEMS, THE CONTRACTOR SHALL ASK FOR A COLOR SELECTION
E. ALL DISSIMILAR FLOORING SHALL BE TERMINATED IN THE CENTERLINE OF THE DOOR UNO, AND WITH AN ADA COMPLIANT TRANSITION IN HEIGHT REQUIRED TO ACCOMMODATE HEIGHT OF MATERIAL AS SPECIFIED IN THE PROJECT MANUAL.
F. SOLID SURFACE MATERIAL TO BE HOMOGENEOUS - FILLED PLASTIC RESIN COMPLYING WITH ISFA 2-01.
G. PROVIDE PRODUCTS THAT COMPLY WITH MANUFACTURER'S PREMIUM QUALITY STANDARDS AND VOC LIMITS.

GENERAL FINISH NOTES

FLOORS:
A. VCT1 FLOORING TO ALIGN WITH EXISTING TILE PATTERN WHERE APPLICABLE.
B. RBR1 FLOORING TO BE HOMOGENEOUS AND IMPERVIOUS TO WATER THROUGHOUT.

BASE:
A. BASE SHALL BE (RB1) UNO.
B. RBR1 FLOORING TO HAVE INTEGRAL COVE AND TURN UP NOT LESS THAN 6" ON SURROUNDING WALLS. ALL SEAMS TO BE WELDED AND SEALED. INTEGRAL COVE TO RECEIVE STEEL BACKER ROD FOR SUPPORT.

WALLS:
A. DRYWALL WALLS SHALL BE PAINTED (PT2) UNO.
B. RESTROOM WALLS SHALL RECEIVE (FRP2) FROM FLOOR TO CEILING.
C. SCOPE PROCESSING AND STORAGE ROOM WALLS SHALL RECEIVE (FRP1) FROM FLOOR TO CEILING.
D. EXPOSED WALL TILE EDGES SHALL RECEIVE A METAL EDGE CAP.
E. EXPOSED DRYWALL CORNERS TO RECEIVE (CG1) UNO.

CEILINGS:
A. ACOUSTICAL CEILING SHALL BE (ACT1) UNO.
B. DRYWALL CEILINGS SHALL BE PAINTED (PT1) UNO.
C. EXPOSED DECK, STRUCTURAL STEEL, MECHANICAL DUCTWORK AND ELECTRICAL CONDUIT SHALL BE PAINTED (PT3) UNO.

MILLWORK:
A. UPPER AND LOWER MILLWORK SHALL BE (PLAM1) UNO.
B. COUNTERTOPS SHALL BE (SSM1) UNO.

MISCELLANEOUS:
A. DOOR AND WINDOW TRIM SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE UNO.
B. PAINTED DOORS SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE UNO.
C. WALL COLOR SHALL EXTEND TO CEILING AND BE APPLIED TO ALL GYPSUM WALL BOARD FINISH.

MILLWORK NOTES

A. ROUGH CARPENTRY - FIRE-RETARDANT-TREATED LUMBER SHALL HAVE A FLAME-SPREAD INDEX OF 25 OR LESS WHEN TESTED ACCORDING TO ASTM E84.
B. PLAM CABINETS - ARCHITECTURAL WOODWORK STANDARD GRADE - CUSTOM; CONSTRUCTION TYPE FRAMELESS; DOORS AND DRAWERS - FLUSH OVERLAY; HIGH PRESSURE LAMINATE; NEMA LD3.
    1. LAMINATE CLADDING FOR EXPOSED SURFACES
        a. HORIZONTAL SURFACES: GRADE HGS
        b. POSTFORMED SURFACES: GRADE HGP
        c. VERTICAL SURFACES: GRADE VGS
        d. EDGES: GRADE GGS PVC EDGE BANDING 3.0 MM THICK ON DOORS AND FRONTS AND 1.0MM ON CABINET COMPONENTS - TO MATCH LAMINATE COLOR
    2. SEMI-EXPOSED SURFACES
        a. SSURFACES OTHER THAN DRAWER BODIES: HIGH-PRESSURE DECORATIVE LAMINATE, NEMA LD 3, GRADE VGS
        b. FOR SEMI-EXPOSED BACKS OF PANES WITH EXPOSED PLASTIC-LAMINATE SURFACES, PROVIDE SURFACE OF HIGH-PRESSURE DECORATIVE LAMINATE, NEMA LD3
        c. DRAWER SIDES AND BACKS: THERMOSET DECORATIVE PANELS WITH PVC OR POLYESTER EDGE BANDING
        d. DRAWING BOTTOMS: HARDWOOD PLYWOOD
C. CABINET HARDWARE - TO MATCH EXISTING STANDARDS IN FINISH, STYLE AND COLOR. CONTRACTOR TO PROVIDE SAMPLE TO OWNER AND ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.

Parkhill

REGISTERED ARCHITECT DAVID M. AUSTIN 31548 STATE OF TEXAS

07/29/2024

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BSA GI Lab Renovation
Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Interior Legends & Abbreviations

A-701

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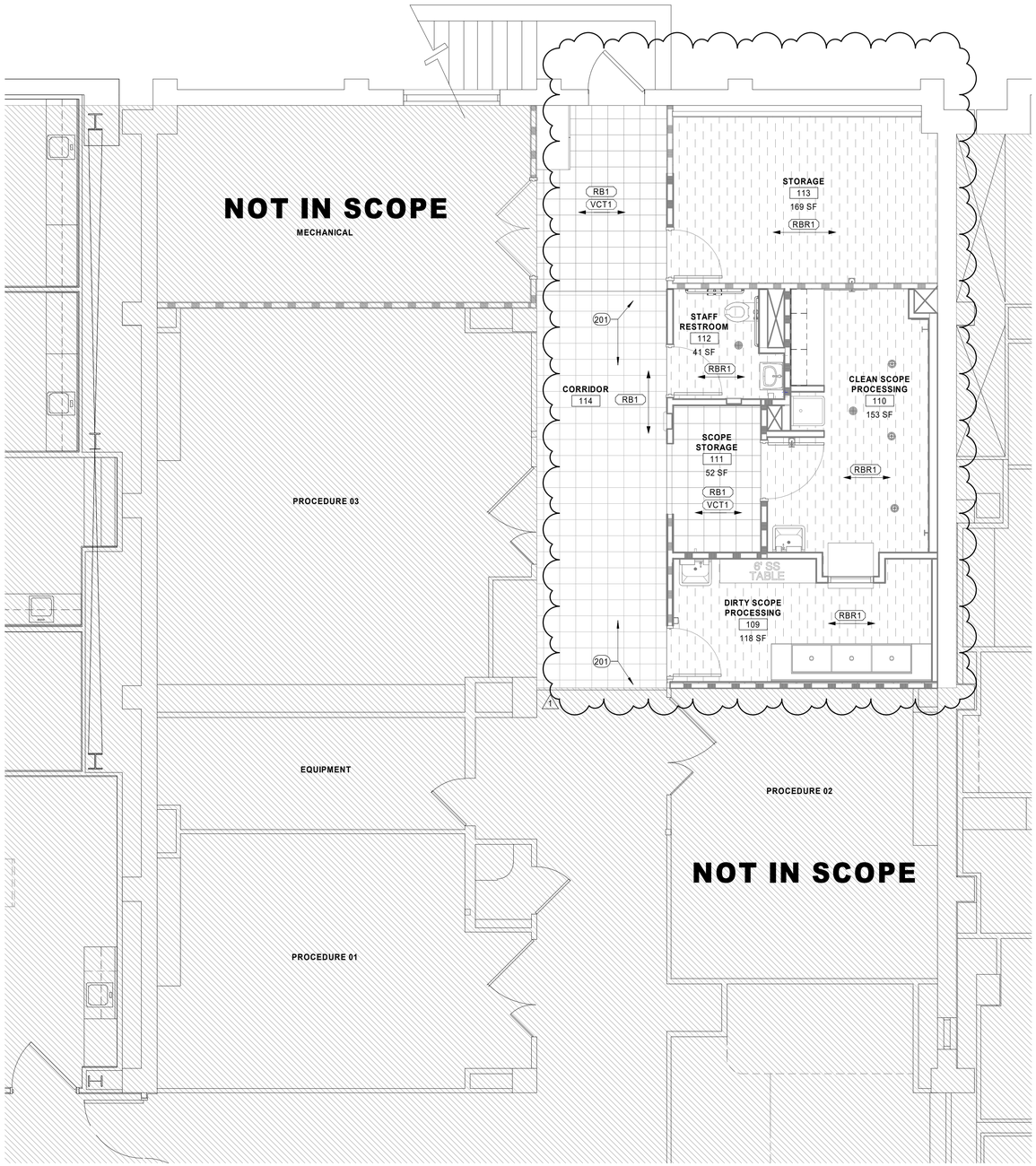

GENERAL NOTES

A. VERIFY AND COORDINATE DIMENSIONAL DISCREPANCIES (NEW AND EXISTING) FROM THIS PLAN WITH THE INTERIOR DESIGNER PRIOR TO CONSTRUCTION.
B. MATERIALS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. PATCH AND REPAIR ALL ADJACENT WALLS, FLOORS, AND BASE TO MATCH EXISTING WHERE DEMOLITION OR DAMAGE OCCURS. NEW FINISHES SHALL MATCH THE ADJACENT FLOOR, AND BASE, IN TEXTURE, PATTERN, AND COLOR. INTERIOR DESIGNER SHALL APPROVE FINAL WORK.
C. PREPARE SUBSTRATES TO RECEIVE NEW FINISHES PER MFR'S GUIDELINES.
D. REFERENCE INTERIOR MATERIAL LEGEND FOR LIST OF COLORS, PATTERNS AND TEXTURES REQUIRED FOR INTERIOR FINISHES, INCLUDING BOTH FACTORY APPLIED COLORS THAT ARE EXPOSED TO VIEW IN THE FINISHED CONSTRUCTION. WHEN COLOR IS NOT DESIGNATED FOR ITEMS, THE CONTRACTOR SHALL ASK FOR A COLOR SELECTION.
E. ALL DISSIMILAR FLOORING SHALL BE TERMINATED IN THE CENTERLINE OF THE DOOR UNO, AND WITH AN ADA COMPLIANT TRANSITION IN HEIGHT REQUIRED TO ACCOMMODATE HEIGHT OF MATERIAL AS SPECIFIED IN A-701.
F. LENGTH OF FLOORING PRODUCT SHALL BE INSTALLED AS INDICATED BY THE DIRECTION OF ARROWS UNO.
G. SCRIBE AND CUT FLOOR COVERING TO BUTT NEATLY AND TIGHTLY TO VERTICAL SURFACES AND PERMANENT FIXTURES INCLUDING BUILT-IN FURNITURE, CABINETS, PIPES, OUTLETS, EDGINGS, DOORFRAMES, THRESHOLDS AND NOSING. EXTEND FLOORING INTO TOE SPACES, DOOR REVEALS, CLOSETS, AND SIMILAR OPENINGS. MAINTAIN REFERENCE MARKERS, HOLES AND OPENINGS THAT ARE IN PLACE OR MARKED FOR FUTURE USE WITH NONPERMANENT, NONSTAINING MARKING DEVICE.

GENERAL FINISH NOTES

FLOORS:
A. VCT1 FLOORING TO ALIGN WITH EXISTING TILE PATTERN WHERE APPLICABLE.
B. RBR1 FLOORING TO BE HOMOGENEOUS AND IMPERVIOUS TO WATER THROUGHOUT.

BASE:
A. BASE SHALL BE (RB1) UNO.
B. RBR1 FLOORING TO HAVE INTEGRAL COVE AND TURN UP NOT LESS THAN 6" ON SURROUNDING WALLS. ALL SEAMS TO BE WELDED AND SEALED. INTEGRAL COVE TO RECEIVE STEEL BACKER ROD FOR SUPPORT.

WALLS:
A. DRYWALL WALLS SHALL BE PAINTED (PT2) UNO.
B. RESTROOM WALLS SHALL RECEIVE (FRP2) FROM FLOOR TO CEILING.
C. SCOPE PROCESSING AND STORAGE ROOM WALLS SHALL RECEIVE (FRP1) FROM FLOOR TO CEILING.
D. EXPOSED WALL TILE EDGES SHALL RECEIVE A METAL EDGE CAP.
E. EXPOSED DRYWALL CORNERS TO RECEIVE (CG1) UNO.

CEILINGS:
A. ACOUSTICAL CEILING SHALL BE (ACT1) UNO.
B. DRYWALL CEILINGS SHALL BE PAINTED (PT1) UNO.
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MILLWORK:
A. UPPER AND LOWER MILLWORK SHALL BE (PLAM1) UNO.
B. COUNTERTOPS SHALL BE (SSM1) UNO.

MISCELLANEOUS:
A. DOOR AND WINDOW TRIM SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE UNO.
B. PAINTED DOORS SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE UNO.
C. WALL COLOR SHALL EXTEND TO CEILING AND BE APPLIED TO ALL GYPSUM WALL BOARD FINISH.

KEY NOTES

AS INDICATED BY: (#)

201 VERIFY EXTENT OF PATCH AND REPAIR WITH OWNER IN FIELD PRIOR TO COMMENCEMENT OF CONSTRUCTION.

1

A1 FLOOR FINISH PLAN
1/4" = 1'-0"

0 2' 4' 8'

NORTH

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07/29/2024

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Interior Updates

BSA HEALTH SYSTEM

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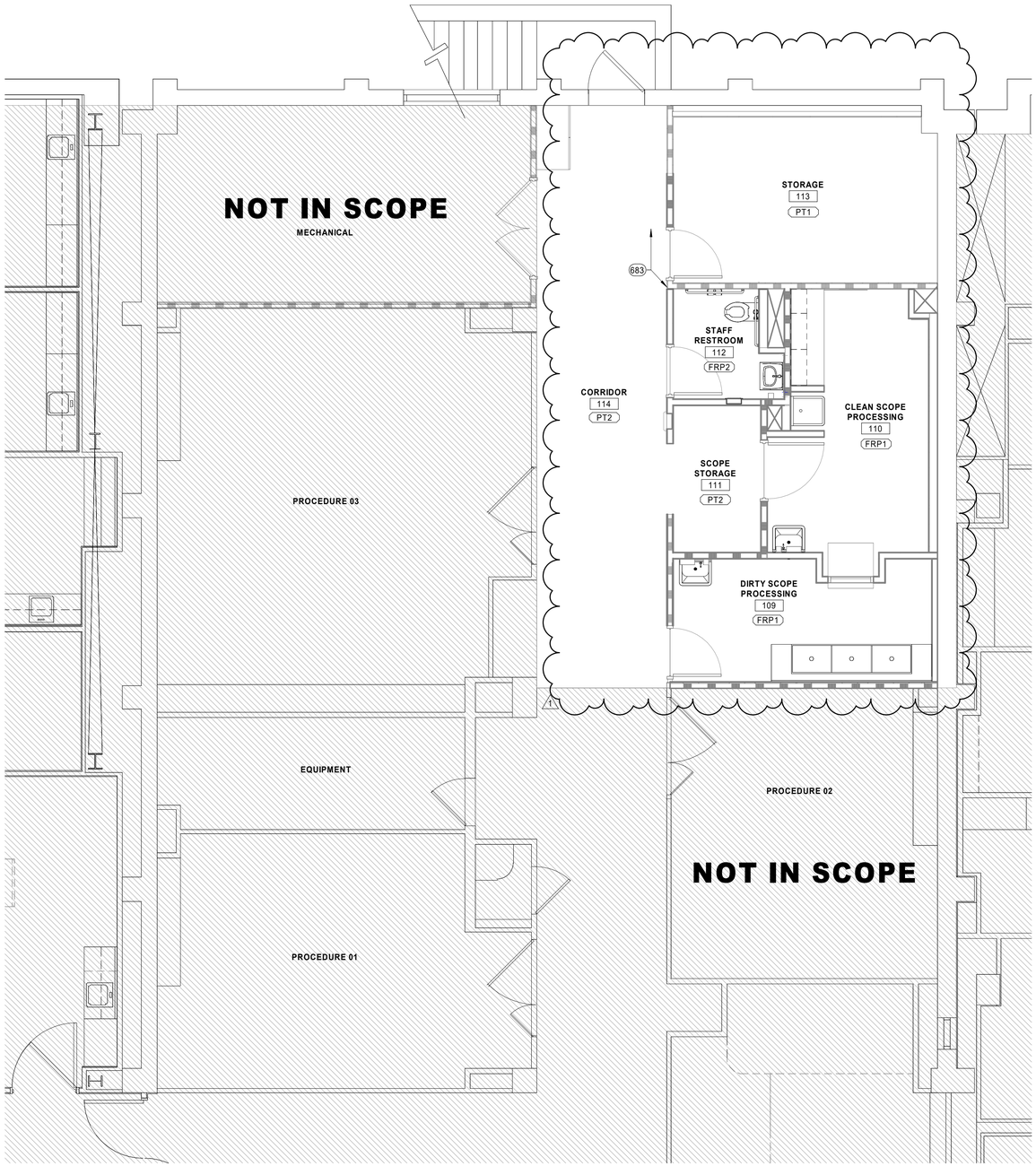
PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Floor Finish Plan

A-721



A1 WALL FINISH PLAN
1/4" = 1'-0"

0 2' 4' 8'

NORTH

GENERAL NOTES

A. VERIFY AND COORDINATE DIMENSIONAL DISCREPANCIES (NEW AND EXISTING) FROM THIS OR ANY PLAN, SECTION OR ELEVATION WITH THE INTERIOR DESIGNER PRIOR TO CONSTRUCTION.
B. MATERIALS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. PATCH AND REPAIR ALL ADJACENT SURFACES TO MATCH EXISTING WHERE DEMOLITION OR DAMAGE OCCURS. NEW FINISHES SHALL MATCH THE ADJACENT SURFACE(S), IN TEXTURE, PATTERN, AND COLOR. INTERIOR DESIGNER SHALL APPROVE FINAL WORK.
C. PREPARE SUBSTRATES TO RECEIVE NEW FINISHES PER MFR'S GUIDELINES.
D. REFERENCE THE INTERIOR MATERIAL LEGEND FOR THE COLORS, PATTERNS AND TEXTURES REQUIRED FOR INTERIOR FINISHES, INCLUDING BOTH FACTORY APPLIED COLORS THAT ARE EXPOSED TO VIEW IN THE FINISHED CONSTRUCTION. WHEN COLOR IS NOT DESIGNATED FOR ITEMS, THE CONTRACTOR SHALL ASK FOR A COLOR SELECTION.
E. REFERENCE INTERIOR ELEVATIONS FOR CLARIFICATION OF WALL FINISHES.
F. INTERIOR WALL COLOR SHALL APPLY TO THE ENTIRE WALL SURFACE, INCLUDING REVEALS, VERTICAL FURRED SPACES, GRILLES, DIFFUSERS, ELECTRICAL AND ACCESS PANELS, AND ALL PIPING AND CONDUIT ADJACENT TO WALL SURFACES UNLESS OTHERWISE SPECIFIED. ITEMS NOT SPECIFIED IN OTHER PARAGRAPHS SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE.

GENERAL FINISH NOTES

FLOORS:
A. VCT1 FLOORING TO ALIGN WITH EXISTING TILE PATTERN WHERE APPLICABLE.
B. RBR1 FLOORING TO BE HOMOGENEOUS AND IMPERVIOUS TO WATER THROUGHOUT.

BASE:
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C. WALL COLOR SHALL EXTEND TO CEILING AND BE APPLIED TO ALL GYPSUM WALL BOARD FINISH.

KEY NOTES

AS INDICATED BY: (#)

683 PAINT WHERE REQUIRED TO MATCH EXISTING

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07/29/2024

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Interior Updates

BSA HEALTH SYSTEM

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BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	ISSUED FOR CONSTRUCTION

Wall Finish Plan

A-722

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FIRE PROTECTION SPECIFICATIONS

I. GENERAL

A. **NOTE:**
1. CONFORM WITH THE APPLICABLE PROVISIONS OF THE GENERAL CONDITIONS, THE SPECIAL CONDITIONS AND THE GENERAL REQUIREMENTS.

B. **SUBMITTALS:**
1. SUBMIT MANUFACTURER'S DATA AND SHOP DRAWINGS ON ALL MATERIALS.

C. **SCOPE:**
1. THIS SECTION OF THE SPECIFICATIONS PERTAINS TO ALL LABOR, MATERIALS, EQUIPMENT AND SERVICE NECESSARY FOR AND INCIDENTAL TO THE FIRE PROTECTION SYSTEM AS SHOWN ON THE DRAWINGS AND/OR AS SPECIFIED HEREIN.
2. ALL APPURTENANCES AND AUXILIARY EQUIPMENT NECESSARY TO THE FUNCTION OF ANY SPECIFIED ITEM OF EQUIPMENT SHALL BE FURNISHED WITH THE ITEM OF EQUIPMENT, WHETHER SPECIFICALLY MENTIONED OR NOT. EACH ITEM OF EQUIPMENT SHALL PERFORM THE FUNCTION FOR WHICH IT IS INTENDED, AND ALL WORK NECESSARY TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM SHALL BE PROVIDED.
3. THIS SPECIFICATION REQUIRES THAT ALL ITEMS OF EQUIPMENT BE COMPLETELY INSTALLED, FINALLY CONNECTED, TESTED AND PLACED IN SERVICE.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL REQUIREMENTS OF THE EQUIPMENT AND THE CONTRACT AND CERTIFY WITH THE SUBMITTAL OF THE SHOP DRAWINGS THAT ALL REQUIREMENTS HAVE BEEN MET, INCLUDING:
   a. SPACE REQUIREMENTS
   b. ELECTRICAL REQUIREMENTS (VOLTAGE, PHASE, WIRES - NO. AND SIZE)
   c. CAPACITIES
   d. CLEARANCE FOR MAINTENANCE
   e. QUALITY
   f. QUANTITY

II. PRODUCTS

A. **ABOVE GROUND PIPING**
1. STEEL PIPE: ASTM A 53, GRADE B; SCHEDULE 40 BLACK.
2. STEEL FITTINGS: ASME B16.9, WROUGHT STEEL, BUTT WELDED.
3. CAST IRON FITTINGS: ASME B 16.4, THREADED FITTINGS.
4. MALLEABLE IRON FITTINGS: ASME B 16.3, THREADED FITTINGS.
5. MECHANICAL GROOVED COUPLINGS: MALLEABLE IRON HOUSING CLAMPS TO ENGAGE AND LOCK, "C" SHAPED ELASTOMERIC SEALING GASKET, STEEL BOLTS, NUTS, AND WASHERS; GALVANIZED FOR GALVANIZED PIPE.

B. **SPRINKLERS**
1. MANUFACTURES: GRINNELLL CORP., RELIABLE SPRINKLER CORP., AND VIKING MODEL.
2. SUSPENDED CEILING TYPE: CONCEALED PENDANT TYPE WITH MATCHING PUSH-ON OR SCREW-ON ESCUTCHEON PLATE. FINISH: BRASS. ESCUTCHEON PLATE FINISH: ENAMEL, COLOR TO BE DETERMINED BY ARCHITECT. FUSIBLE LINK: FUSIBLE SOLDER LINK TYPE OR GLASS BULB TYPE TEMPERATURE RATED FOR SPECIFIC AREA HAZARD.
3. EXPOSED AREA TYPE: STANDARD UPRIGHT TYPE WITH GUARD. FINISH: BRASS. FUSIBLE LINK: FUSIBLE SOLDER LINK TYPE TEMPERATURE RATED FOR SPECIFIC AREA HAZARD.
4. SIDE WALL TYPE: SEMI-RECESSED HORIZONTAL SIDE WALL TYPE WITH MATCHING ESCUTCHEON PLATE AND GUARD. FINISH: CHROME PLATED. ESCUTCHEON PLATE FINISH: CHROME PLATED. FUSIBLE LINK: FUSIBLE SOLDER LINK TYPE OR GLASS BULB TYPE TEMPERATURE RATED FOR SPECIFIC AREA HAZARD.
5. GUARDS: FINISHED TO MATCH SPRINKLER FINISH.

C. **PIPING SPECIALTIES**
1. FLEXIBLE COMMERCIAL SPRINKLER CONNECTION: MANUFACTURERS: FLEXHEAD INDUSTRIES.
2. FLEXIBLE STAINLESS STEEL HOSE ASSEMBLY AND BRACKETING SYSTEM CONNECTS SPRINKLER HEADS TO BRANCH LINES. MOUNTING BRACKET SHALL BE COMPATIBLE WITH ANY SUSPENDED OR GYPSUM BOARD CEILING SYSTEM. HOSE: INDUSTRIAL GRADE, ALL WELDED, NO O-RING CONSTRUCTION, USES ALL 304 STAINLESS STEEL COMPONENTS, RATED UP TO 175 PSI WITHOUT NEED FOR ADDITIONAL HANGERS, APPROVED FOR USE IN SUSPENDED CEILING SYSTEM, TRUE-BORE 1-INCH INTERNAL CORRUGATED HOSE DIAMETER, FULLY BRAIDED HOSE SHALL PROVIDE PROTECTION AGAINST PRESSURE SURGES, AND SHALL BE FM/UL APPROVED.

III. EXECUTION

A. **TESTING:**
1. TEST ALL PIPES BEFORE THEY ARE CONCEALED IN FURRINGS OR CHASES, INSULATED, PAINTED, OR OTHERWISE COVERED UP OR RENDERED INACCESSIBLE. ACCOMPLISH TESTING BY SECTIONS OF LINES OR SYSTEMS, AS REQUIRED BY CONDITIONS DURING CONSTRUCTION. CLEAN ALL PIPING AND EQUIPMENT BEFORE TESTING.
2. THEIR TESTS: PERFORM ALL TESTS REQUIRED TO DEMONSTRATE THAT THE SYSTEM IS OPERATING PROPERLY.

GENERAL FIRE PROTECTION NOTES

A. PIPING AND HANGERS SHALL COMPLY WITH CURRENT NFPA STANDARDS, LOCAL CODES AND REQUIREMENTS.
B. PIPING SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR TWO HOURS.
C. SLOPE ALL PIPING TO ALLOW FOR PIPE DRAINAGE AS REQUIRED.
D. COORDINATE ALL ROUTING OF PIPING WITH ARCHITECTURAL REFLECTED CEILING PLAN, CEILING HEIGHTS, HARD/GYP CEILING, AREAS THAT ARE EXPOSED TO THE ROOF DECK, AND ROUTE ALL PIPING AROUND CLERESTORY AREAS. PROVIDE PROPOSED ROUTING FOR APPROVAL BY ARCHITECT AND/OR MECHANICAL ENGINEER PRIOR TO INSTALLATION.
E. CONTRACTOR SHALL ENSURE THAT ALL PIPING IS CONCEALED EXCEPT WHERE PROTECTION OF EXPOSED STRUCTURE IS REQUIRED.
F. COORDINATE PIPE ROUTINGS WITH ALL OTHER TRADES. DUCTWORK, HVAC PIPING, AND PLUMBING PIPING HAVE PRIORITY OVER SPRINKLER PIPING. RE-ROUTE SPRINKLER PIPING AS REQUIRED TO PREVENT CONFLICT.
G. ENSURE SPRINKLER HEADS AND PIPING IN LAN OR ELECTRICAL ROOMS ARE NOT LOCATED DIRECTLY OVER ANY EQUIPMENT.
H. FINAL SYSTEM DESIGNER SHALL OBTAIN ACTUAL TESTED WATER VOLUME AND PRESSURE FOR INCOMING WATER SUPPLY FOR ALL HYDRAULIC CALCULATIONS USED FOR THE SPRINKLER SYSTEM DESIGN. "ESTIMATED" OR "MUNICIPALITY CALCULATED DATA" IS NOT ALLOWED TO BE USED FOR FINAL HYDRAULIC CALCULATIONS. THE ONUS IS ON THE LICENSED FIRE SPRINKLER SYSTEM DESIGNER/CONTRACTOR TO OBTAIN ACCURATE AVAILABLE WATER VOLUME AND PRESSURE AT THE SITE.
I. BEFORE AE WILL REVIEW SUBMITTALS, FIRE PROTECTION DESIGNER MUST PROVIDE DOCUMENTATION THAT THE AHJ HAS APPROVED AND SUBMIT ANY CHANGES TO THE DESIGN THAT THE AHJ WILL ACCEPT.
J. PROVIDE SIGNAGE FOR FIRE PROTECTION SYSTEM AS INDICATED IN SECTION 509 AND 912 OF THE INTERNATIONAL FIRE CODE.

FIRE PROTECTION PIPING NOTES

A. THE AREAS INDICATED (SHOWN HATCHED) SHALL BE FULLY SPRINKLED. THE ENTIRE PROTECTION SYSTEM SHALL MEET ALL FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES, AND MUST BE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION AND INSURANCE SERVICES.
B. REFER TO THE FIRE PROTECTION SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE FIRE PROTECTION SYSTEM.
C. SIZING OF ALL PIPE, SPRINKLER HEADS, AND ACCESSORIES (UNLESS NOTED OTHERWISE), SHALL BE THE RESPONSIBILITY OF THE SPRINKLER SUBCONTRACTOR.
D. MATERIALS AND INSTALLATION SHALL BE PER NFPA STANDARDS (CURRENT EDITION) AND LOCAL CODES. SEE GENERAL PIPING NOTES.
E. ALL INSPECTORS TEST CONNECTIONS AND LOW POINT DRAINS SHALL BE PER NFPA 13 AND SHALL BE DISPLAYED ON SHOP DRAWINGS. COORDINATE WITH ARCHITECT FOR ACCEPTABLE MOUNTING HEIGHTS AND LOCATION. INSTALL INSPECTORS TEST CONNECTION IN A CONCEALED LOCATION. IF CONCEALED LOCATION IS NOT AVAILABLE, COORDINATE LOCATION WITH ARCHITECT.
F. ACCEPTANCE TEST SHALL BE PERFORMED BY THE CONTRACTOR AND WITNESSED AND APPROVED BY THE LOCAL FIRE MARSHAL PRIOR TO ISSUANCE AND OCCUPANCY.
G. PROGRESS INSPECTIONS MUST BE MADE DURING THE INSTALLATION OF THE SYSTEM. REQUEST FOR INSPECTIONS MUST BE INITIATED BY THE CONTRACTOR. INSPECTIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO: (1) UNDERGROUND MAIN AND LEAD LINES, (2) SYSTEM RISERS, (3) OVERHEAD PIPING, (4) ACCEPTANCE TESTS, (5) FIRE DEPARTMENT CONNECTION, (6) FINAL INSPECTION
H. APPROVED SPRINKLER PLANS MUST BE AVAILABLE ON THE PROJECT SITE DURING THE INSTALLATION AND INSPECTION OF THE WORK.

FIRE PROTECTION PIPING NOTES

I. PROVIDE SIGNAGE FOR ALL CONTROL, DRAIN, AND TEST VALVES PER NFPA STANDARDS UPON INSPECTION BY AUTHORITY HAVING JURISDICTION.
J. ALARM AND/OR MONITORING SYSTEMS SHALL BE DONE BY OTHERS.
K. ALL DEVICES SHALL BE UL LISTED FOR FIRE PROTECTION USES.
L. PROVIDE SIDEWALL SPRINKLERS IN ALL CLERESTORY AREAS.
M. PROVIDE UPRIGHT PENDANTS IN ALL AREAS WHERE THERE IS NO CEILING AND ROOF STRUCTURE IS EXPOSED.
N. REFER TO ARCHITECTURAL DRAWINGS FOR ALL INFORMATION ON ARCHITECTURAL FEATURES, AND CONSTRUCTION TYPES.
O. CONTRACTOR MAY UTILIZE COMMERCIAL FLEXIBLE SPRINKLER RUNOUTS IF ALLOWED BY LOCAL AHJ. EXAMPLE: VIKING 'FLEXHEAD' SYSTEM WITH MOUNTING BRACKETS FOR SPECIFIED TYPE OF CEILING WHERE THE SPRINKLER HEAD IS BEING INSTALLED, COORDINATE WITH ARCHITECTURAL RCP.

FIRE PROTECTION LEGEND

NEW CEILING TO BE PROVIDED WITH NEW CONCEALED HEAD FIRE SPRINKLERS ADJUST THE EXISTING PIPING TO NEW LAYOUT FOR LAY-IN AND GYPSUM CEILINGS

EXISTING FIRE SPRINKLER PIPING TO REMAIN

A2 FIRE PROTECTION PLAN
1/4" = 1'-0"

NORTH

GENERAL NOTES

A. RELOCATE PIPING TO SERVE NEW FLOOR PLAN. USE CONCEALED SPRINKLER HEADS IN NEW LAY-IN AND GYPSUM CEILINGS.

KEY NOTES

AS INDICATED BY: (#)

1 RELOCATE PIPING AND CONCEALED FIRE SPRINKLER PIPING AS NECESSARY TO SERVE NEW FLOOR PLAN.

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PARKHILL SMITH & COOPER, INC. STATE OF TEXAS REGISTERED ALANNA WATTS 129610 LICENSED PROFESSIONAL ENGINEER F-560

09/02/2025

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	Issued For Construction

Fire Protection Plan - First Floor

F-111

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PLUMBING SPECIFICATIONS

I. GENERAL

A. **NOTE:**
1. CONFORM WITH APPLICABLE PROVISIONS OF THE GENERAL CONDITIONS, SPECIAL CONDITIONS, GENERAL REQUIREMENTS, AND SUPPLEMENTAL CONDITIONS.

B. **SUBMITTALS:**
1. SUBMIT MANUFACTURER'S DATA ON ALL MATERIALS.

C. **SCOPE:**
1. THIS SECTION OF THE SPECIFICATIONS REQUIRES THE FURNISHING AND INSTALLATION OF ALL EQUIPMENT, LABOR, MATERIALS, TRANSPORTATION, TOOLS AND APPLIANCES AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH THE INSTALLATION OF THE PLUMBING SYSTEMS.

D. **UTILITY SERVICES:**
1. WATER SERVICE: CONNECT TO THE EXISTING WATER SERVICE LINE AT THE SITE. REFER TO THE DRAWINGS FOR DETAILS. PROVIDE A VALVE AND VALVE BOX AT THE CONNECTION POINT.
2. SANITARY SEWER: EXTEND AND CONNECT TO THE EXISTING SEWER AT THE SITE AS SHOWN ON THE DRAWINGS.
3. ITS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS AND PAY ALL REQUIRED FEES AS REQUIRED BY LOCAL UTILITY COMPANY TO PROVIDE OWNER WITH A COMPLETE AND OPERATIONAL SYSTEM.

II. PRODUCTS

A. **MATERIALS:**
1. SANITARY SOIL, WASTE AND DRAIN LINES: CAST IRON SOIL PIPE, ASTM A 74 SERVICE WEIGHT. FITTING SHALL BE CISPI COMPRESSON TYPE.
2. SANITARY VENT LINES: CAST IRON SOIL PIPE, ASTM A 74 SERVICE WEIGHT. FITTING SHALL BE CISPI COMPRESSON TYPE.
3. INTERIOR CLEANOUTS: CLEANOUTS SHALL BE PROVIDED AT THE BOTTOM OF EACH STACK, AT EACH CHANGE IN DIRECTION, AND IN EACH HORIZONTAL RUN AT INTERVALS NOT EXCEEDING 50 FEET IN ALL INTERIOR SOIL, WASTE, AND DRAIN LINES. WHERE CLEANOUTS OCCUR IN WALLS OF FINISHED AREAS, THEY SHALL BE CONCEALED BEHIND CHROME PLATED ACCESS COVERS, SUCH AS WADE W-8480-R OR PROVIDED WITH OTHER SPECIAL PLUGS AND COVERS AS REQUIRED TO PRESENT A FINISHED APPEARANCE. FLOOR CLEANOUTS IN UNFINISHED AREAS SHALL BE WADE W-6000 WITH THREADED ADJUSTABLE HOUSING, FLANGED FERRULE WITH CAST IRON PLUG AND GASKET AND SECURED SATIN BRONZE SCORIATED TOP. FLOOR CLEANOUTS IN FINISHED TILE FLOORS SHALL BE WADE W-6000-TS WITH SQUARE TILE TOP; IN CARPETED AREAS WADE W-6000-72 WITH CARPET MARKER. ALL CLEANOUTS SHALL BE THE SAME SIZE AS THE LINE SERVED UP TO 4" SIZE AND SHALL BE 4" FOR ALL LARGER LINES.
4. AIR CHAMBERS: AIR CHAMBERS OF TYPE L COPPER, NOT LESS THAN 12" LONG AND NO SMALLER THAN THE SUPPLY PIPE, SHALL BE PROVIDED AND INSTALLED IN EACH WATER SUPPLY TO EACH AND EVERY FIXTURE, OUTLET, ITEM OF EQUIPMENT, ETC. THE LENGTH AND/OR THE DIAMETER OF THESE AIR CHAMBERS SHALL BE GREATER WHERE REQUIRED TO ELIMINATE WATER HAMMER. PDI SHOCK ABSORBERS MAY BE USED IF SIZED IN ACCORDANCE WITH PDI RECOMMENDATIONS.
5. VACUUM BREAKERS: ON EACH WATER SUPPLY LINE SERVING A PLUMBING FIXTURE, ITEM OF EQUIPMENT, OR OTHER DEVICE WHICH HAS A WATER SUPPLY BELOW THE RIM OF THE FIXTURE, OR WHICH HAS A THREADED OR TUBING SPOUT, PROVIDE AND INSTALL AN APPROVED VACUUM BREAKER. THESE VACUUM BREAKERS SHALL BE DESIGNED TO PREVENT ANY POSSIBLE BACKFLOW THROUGH THEM. WHERE THESE ARE INSTALLED IN CHROME PLATED LINES, THEY SHALL BE CHROME PLATED TO MATCH.

B. **VALVES:**
1. SWING CHECK VALVES: 2" AND SMALLER, ALL BRONZE SCREWED, EQUAL TO CRANE NO. 37 FOR PRESSURES TO 125 PSI OR NO. 36 FOR PRESSURES TO 200 PSI SWP OR 400 PSI WOG. 2-1/2" AND LARGER, IRON BODY, FLANGED, BRONZE TRIMMED; EQUAL TO CRANE NO. 373 FOR PRESSURES TO 125 PSI OR NO. 39E FOR PRESSURES FROM 125 PSI TO 250 PSI.
2. BALL VALVES: BRONZE THREADED BODY, CHROME PLATED FULL PORT BRONZE BALL, TEFLON SEATS AND O-RINGS, BRONZE SHAFTS, AND INFINITE POSITION HANDLE WITH MEMORY STOPS. VALVE SHALL BE TWO PIECE. WHERE VALVES ARE INSTALLED IN INSULATED LINES, PROVIDE EXTENDED STEMS OF ADEQUATE LENGTH FOR THE HANDLE TO CLEAR THE INSULATION AND JACKET. APOLLO, NIBCO, CRANE, JAMESBURY AND STOCKHAM ARE ACCEPTABLE.

C. **HANGERS AND SUPPORTS:**
1. SUPPORT ALL PIPES AS REQUIRED BY THE PLUMBING CODE AND AS REQUIRED TO PREVENT SAGGING. CAST IRON LINES SHALL BE SUPPORTED AT 5' INTERVALS AND OTHER PIPES SHALL BE SUPPORTED ON 8' INTERVALS AS A MINIMUM. HANGERS SHALL BE CLEVIS TYPE WITH ADJUSTERS.

D. **DRAINS:**
1. PROVIDE ALL DRAINS AS SCHEDULED. WADE, JOSAM OR ZURN ARE ACCEPTABLE. PROVIDE A CLAMPING DEVICE FOR THE FLOOR MEMBRANE, WHERE APPLICABLE.
2. PROVIDE ALL FLOOR DRAINS WITH TRAP SEAL EQUAL TO PROSET TRAP GUARD AND INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
3. ALL FLOOR DRAINS, FLOOR SINKS AND TRENCH DRAINS SHALL HAVE AUXILIARY DRAINAGE RIM, AND DEEP SEAL P-TRAP.
   a. FLOOR DRAIN, FD: FLOOR DRAINS SHALL BE COATED CAST IRON, TWO PIECE BODY, NON-PUNCTURING FLASHING COLLAR WITH WEEP HOLES AND 6" ADJUSTABLE SATIN NIKALOY ROUND STRAINER EQUAL TO JOSAM 30000-6A-50.

E. **PLUMBING FIXTURES:**
1. THE PLATE NUMBERS ON THE DRAWINGS REPRESENT FIXTURES THAT WILL BE ACCEPTABLE ON THE JOB. APPROVED EQUAL FIXTURES OF AMERICAN STANDARD, ELJER, AND KOHLER WILL BE ACCEPTABLE.
2. ALL EXPOSED TRIM SHALL BE CHROME PLATED BRASS. THIS INCLUDES FAUCETS, FITTINGS, STOPS, RISERS, STRAINERS, TAILPIECES, TRAPS, WASTE, ESCUTCHEONS, FLUSH VALVES, BRACKETS, VACUUM BREAKERS, GOOSENECKS, HOLE COVERS, BOLTS, NUTS AND ETC.
3. ALL THREADED SUPPLY FITTINGS OR OUTLETS WITH TUBING NOZZLES SHALL HAVE BACK FLOW PREVENTERS.
4. ALL FIXTURES SHALL HAVE QUARTER-TURN STOP VALVES.
5. GENERALLY ALL WALL HUNG FIXTURES SHALL BE PROVIDED WITH CHAIR CARRIERS SO THAT NO WEIGHT IS SUPPORTED FROM THE WALL.
6. ALL FIXTURES SHALL BE CLEANED BEFORE FINAL ACCEPTANCE.
7. VERIFY MOUNTING HEIGHT OF EACH AND EVERY FIXTURE BEFORE ROUGH-IN.
8. WHERE FIXTURES MATE WITH WALLS OR FLOOR, THE JOINT SHALL BE GROUTED WITH DENTAL PLASTER, G. E. SILICONE OR OTHER GROUT AS DIRECTED BY THE ARCHITECT.
9. THE CONTRACTOR SHALL VERIFY ALL ROUGH IN HEIGHTS BEFORE INSTALLATION AND SHALL SECURE A CURRENT RULING ON HEIGHTS OF HANDICAPPED FIXTURES BEFORE ROUGH IN TO INSURE THAT THEY MEET THE REQUIREMENTS OF THE PARTIES HAVING JURISDICTION.
10. CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS.
11. ALL FIXTURES SHALL MEET STATE OF TEXAS SB587 WATER SAVING PERFORMANCE STANDARDS.

III. EXECUTION

A. **INSTALLATION OF PIPING SYSTEMS:**
1. DRAIN LINES AND SANITARY WASTE: GRADE DOWN TOWARD THE SEWER CONNECTION AT A UNIFORM SLOPE OF 1/4" PER FOOT TO SERVE INDIVIDUAL FIXTURES OR NOT LESS THAN 1/8" PER FOOT TO SERVE MULTIPLE STACKS OR OUTLETS. SLOPE SHALL BE GREATER WHERE POSSIBLE AND SHALL NEVER BE LESS THAN REQUIRED TO PRODUCE A FLOW VELOCITY OF 2 FEET PER SECOND.
2. VENTS: GRADE UP TO THE VENT THROUGH THE ROOF. TERMINATE NOT LESS THAN 12" ABOVE THE ROOF.
3. WATER LINES: GRADE TO ESTABLISHED LOW POINTS AND PROVIDE VALVED DRAINS TO COMPLETELY DRAIN THE SYSTEM.
4. ISOLATION VALVES: THE WATER SUPPLIES TO EACH GROUP OF FIXTURES SHALL HAVE AN ISOLATING VALVE IN EACH LINE SERVING THE RISER. WHERE THESE VALVES ARE NOT ACCESSIBLE THRU REMOVABLE CEILINGS OR OTHERWISE, PROVIDE ACCESS DOORS IN THE CEILING OR CHASE.

PLUMBING SPECIFICATIONS

B. **FABRICATION OF PIPE JOINTS:**
1. THREADED PIPES: REAM AND DEBURR PIPE AFTER IT IS CUT AND BEFORE IT IS THREADED. STAND EACH PIPE ON ONE END AND HAMMER TO REMOVE ALL FOREIGN MATERIAL. FULL CUT THREADS, BUT NOT MORE THAN 3 PIPE THREADS SHALL REMAIN EXPOSED WHEN JOINT IS COMPLETED. MAKE UP JOINTS WITH GRAPHITE AND OIL OR AN APPROVED GRAPHITE COMPOUND APPLIED TO MALE THREADS ONLY. CAULKING OF THREADED JOINTS TO STOP OR PREVENT LEAKS IS PROHIBITED.
2. COPPER TUBING: CUT TUBING SQUARE, REAM AND DEBURR. CLEAN INSIDES OF FITTINGS AND OUTSIDES OF TUBING WITH SAND CLOTH BEFORE ASSEMBLY. EXERCISE CARE TO PREVENT ANNEALING OF FITTINGS AND HARD DRAWN TUBING. MAKE ALL JOINTS WITH HIGH TEMPERATURE SOLID STRING OR WIRE SOLDER, 95% TIN, 5% ANTIMONY, USING NON-CORROSIVE PASTE FLUX OF THE PROPER TYPE FOR ALL COPPER TUBING. LOW TEMPERATURE SOLDER SUCH AS 50/50 OR 40/60 WILL NOT BE PERMITTED.
3. WELDED JOINTS: MAKE ALL WELDED JOINTS BY THE METALLIC ARC PROCESS. USE BASE MATERIAL CONFORMING TO ANSI B31.1 FOR WELDED PIPE ASTM A106 AND ASTM A53. USE FILLER MATERIAL CONFORMING TO ASTM A233 AND IN ACCORDANCE WITH ANSI B31.1. MACHINE THE ENDS OF THE MATERIAL TO BE JOINED OR GAS CUT. MAKE THE CUT SMOOTH IN ORDER THAT GOOD FIT CAN BE MADE AND A FULL PENETRATION WELD MADE. USE DIRECT CURRENT FOR WELDING WITH THE ELECTRODE POSITIVE. LIMIT THE DEPTH OF DEPOSIT TO 1/8" PER PASS. REMOVE ALL SLAG OR FLUX REMAINING ON ANY BEAD OF WELDING BEFORE LAYING DOWN THE NEXT SUCCESSIVE BEAD OF WELDING. REMOVE ANY CRACKS OR BLOW HOLES THAT APPEAR ON THE SURFACE OF ANY BEAD OF WELDING BY CHIPPING OR GRINDING BEFORE DEPOSITING THE NEXT SUCCESSIVE BEAD OF WELDING.
4. SOLVENT WELDED ACCORDING TO MANUFACTURERS INSTRUCTIONS.

C. **REPAIR OF LEAKS:**
1. ALL LEAKS IN PIPING SYSTEMS SHALL BE CORRECTED AS FOLLOWS:
   a. REPAIR LEAKS IN SOLDER JOINTS BY REMAKING THE JOINT; NO SOLDERING OR BRAZING OVER EXISTING JOINTS WILL BE PERMITTED.
   b. REPAIR LEAKS IN SCREWED JOINTS BY TIGHTENING THE JOINT; REMAKE THE JOINT IF THE TIGHTENING FAILS TO STOP THE LEAK.
   c. REPAIR LEAKS IN PVC PIPE BY REMAKING THE JOINT.
   d. REPAIR LEAKS IN WELDED JOINTS BY REMOVING THE DEFECTIVE WELD COMPLETELY THROUGH THE BASE METAL AND GRIND SMOOTH. RE-WELD, ACCOMPLISHING 100% PENETRATION OF THE BASE METAL. THE REPAIR WELD SHOULD IN NO CASE BE LESS THAN 4" IN LENGTH.
2. WHEN ANY DEFECT IS REPAIRED, RETEST THAT SECTION OF THE SYSTEM.

D. **INSULATION:**
1. ANY INSULATION WHICH IS NOT APPLIED IN A WORKMANLIKE MANNER WILL BE REJECTED AND REPLACED. ALL COVERINGS SHALL BE SMOOTH, FLUSH, DRESSED TO LINE AND TIGHT. MASTIC SHALL BE NEATLY APPLIED AND TOOLED. ARCHITECT RESERVES THE RIGHT TO REJECT ANY INSULATION WHOSE APPEARANCE IS DEEMED UNACCEPTABLE.
2. APPLY INSULATION AND PIPE COVERING AFTER ALL WORK HAS BEEN TESTED, FOUND TO BE TIGHT AND ACCEPTED AS SUCH BY THE ARCHITECT. THOROUGHLY CLEAN AND DRY ALL SURFACE TO BE COVERED.
3. FACTORY-APPLIED VAPOR-BARRIER JACKETS SHALL BE ONE OF THE FOLLOWING:
   a. AN ALL SERVICE JACKET (ASJ) LAMINATED OF FLAME RESISTANT WHITE KRAFT PAPER, GLASS SCRIM REINFORCEMENT, AND KRAFT PAPER.
   b. FOIL REINFORCED KRAFT (FRK) JACKET LAMINATED OF FLAME RESISTANT 0.001" ALUMINUM FOIL, GLASS SCRIM REINFORCEMENT AND KRAFT PAPER.
4. INSULATE VALVES AND FITTINGS WITH TWO FIBERGLASS INSERTS AND PREFORMED MANVILLE "ZESTON" COVERS WITH TAPED SEAMS.
5. THE FOLLOWING DESCRIBES MATERIALS, THICKNESSES AND FINISHES FOR INSULATION AND COVERINGS.
6. DOMESTIC COLD WATER, HOT WATER AND CIRCULATING LINES: INSULATE WITH 1" THICK OWENS-CORNING FIBERGLAS ASJ/SSL-II MOLDED SECTIONAL GLASS FIBER PIPE COVERING WITH AN ALL SERVICE JACKET (ASJ). INSULATE CONCEALED VALVES AND FITTINGS WITH PREFORMED "ZESTON" PVC COVERS OVER FIBERGLASS INSULATION. INSULATE EXPOSED VALVES AND FITTINGS WITH HAMFAB INSULATION FITTINGS.
7. DRAIN LINES: 3/8" THICK MANVILLE TYPE II "AEROTUBE". INSULATION MAY BE SLIT FLANGE TYPE OR THREADED ON DURING FABRICATION.

E. **LOCATION AND DETECTION:**
1. NON-METALLIC: NON-METALLIC PIPE INSTALLED BELOW GROUND SHALL HAVE INSTALLED IN THE SAME TRENCH A DETECTABLE PLASTIC TAPE THAT CONFORMS IN TO THE APWA COLOR CODING.
2. SUCH TAPE SHALL CONSIST OF ONE LAYER OF ALUMINUM FOIL LAMINATED BETWEEN TWO LAYERS OF INERT PLASTIC FILM. TAPE SHALL BE APPROVED 2 1/8" WIDE AND SHALL BE IMPRINTED WITH A CONTINUOUS TRACEABLE FOR A MINIMUM OF EIGHT YEARS AFTER DIRECT BURIAL. PRODUCT SHALL BE TERRA TAPE DETECTABLE OR APPROVED EQUAL. TAPE SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS, BUT NO LESS THAN 12" ABOVE THE BURIED LINE
3. PROVIDE 16 GAUGE DIRECT BURIAL TRACER WIRE WITH ALL NON-METALLIC UNDERGROUND PIPE. WIRE SHALL BE SINGLE STRAND, 14 GAUGE MINIMUM WITH 4/64" VINYL INSULATION WHICH IS UL APPROVED FOR DIRECT UNDERGROUND BURIAL WHEN USED IN A NATIONAL ELECTRIC CODE CLASS II CIRCUIT.
4. METALLIC: BELOW GROUND METALLIC PIPING SHALL HAVE IDENTIFYING TAPE SIMILAR TO THAT SPECIFIED FOR BELOW GROUND NON-METALLIC EXCEPT THAT THE ALUMINUM FOIL FOR LOCATION IS NOT REQUIRED.

F. **TESTING:**
1. TEST ALL PIPES BEFORE THEY ARE CONCEALED IN FURRINGS OR CHASES, INSULATED, PAINTED, OR OTHERWISE COVERED UP OR RENDERED INACCESSIBLE. ACCOMPLISH TESTING BY SECTIONS OF LINES OR SYSTEMS, AS REQUIRED BY CONDITIONS DURING CONSTRUCTION. CLEAN ALL PIPING AND EQUIPMENT BEFORE TESTING.
2. DOMESTIC WATER LINES INTERIOR: HYDROSTATICALLY TEST FOR 6 HOURS AT 150 PSIG. THERE SHALL BE NO LEAKS WHATSOEVER.
3. INTERIOR SOIL, WASTE AND VENT LINES: DRAINAGE AND VENTING SYSTEM PIPING SHALL BE TESTED WITH WATER BEFORE THE FIXTURES ARE INSTALLED. WATER TEST SHALL BE APPLIED TO THE DRAINAGE AND VENTING SYSTEM EITHER IN ITS ENTIRETY OR IN SECTIONS. IF THE ENTIRE SYSTEM IS TESTED, ALL OPENINGS IN THE PIPES SHALL BE TIGHTLY CLOSED EXCEPT THE HIGHEST OPENING AND THE SYSTEM SHALL BE FILLED WITH WATER TO THE POINT OF OVERFLOW. IF THE SYSTEM IS TESTED IN SECTIONS, EACH OPENING EXCEPT THE HIGHEST OPENING OF THE SECTION UNDER TEST SHALL BE TIGHTLY PLUGGED, AND EACH SECTION SHALL BE FILLED WITH WATER AND TESTED WITH AT LEAST A 10 FOOT HEAD OF WATER. THE WATER SHALL BE KEPT IN THE SYSTEM, OR IN THE PORTION UNDER TEST, FOR AT LEAST 30 MINUTES BEFORE THE INSPECTION STARTS. THE SYSTEM SHALL THEN BE TIGHT AT ALL JOINTS. WATER SHALL NOT DROP MORE THAN 1" IN 8 HOURS.
4. OTHER TESTS: PERFORM ALL TESTS REQUIRED TO DEMONSTRATE THAT EACH SYSTEM IS OPERATING PROPERLY.

G. **DISINFECTING:**
1. AFTER CLEANING, FLUSHING AND TESTING, THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY FOR THE DISINFECTION OF ALL DOMESTIC PIPE LINES WHICH SHALL BE DISINFECTED BY THE APPLICATION OF A CHLORINATING AGENT. THE CHLORINATING AGENT MAY BE A LIQUID CHLORINE, LIQUID CHLORINE GAS WATER MIXTURE, OR A CALCIUM HYPOCHLORITE SOLUTION, WHICH SHALL BE FED INTO THE LINES THROUGH A SUITABLE SOLUTION FEED DEVICE.
2. THE CHLORINATING AGENT SHALL BE APPLIED AT OR NEAR THE POINT FROM WHICH THE LINE IS BEING FILLED AND THROUGH A CORPORATION STOP OR OTHER APPROVED CONNECTION INSERTED IN THE HORIZONTAL AXIS OF THE NEWLY LAID PIPE. THE WATER BEING USED TO FILL THE LINE SHALL BE CONTROLLED TO FLOW INTO THE SECTION TO BE DISINFECTED VERY SLOWLY.
3. THE CHLORINE DOSE APPLIED TO THE WATER ENTERING THE LINES SHALL BE AT LEAST 40 TO 60 PARTS PER MILLION. THE TREATED WATER SHALL BE RETAINED IN THE PIPE LINES FOR A PERIOD OF NOT LESS THAN 24 HOURS. AT THE END OF THE 24 HOUR RETENTION PERIOD THE CHLORINE RESIDUAL SHALL BE AT LEAST 20 PPM. ALL TREATED WATER SHALL BE THOROUGHLY FLUSHED FROM THE LINES UNTIL THE REPLACEMENT WATER IN THE LINES HAS A CHLORINE RESIDUAL OF NOT MORE THAN 0.2 PARTS PER MILLION.

END OF SECTION

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PROFESSIONAL ENGINEER
Alanna Watts
07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	Issued For Construction

Plumbing Specifications

P-000

GENERAL NOTES

1. GENERAL NOTES ON THIS SHEET ARE APPLICABLE TO EACH PLUMBING DRAWING OF THIS SET OF CONSTRUCTION DOCUMENTS. NOTES SPECIFIC TO INDIVIDUAL PLUMBING DRAWINGS WILL BE SHOWN ON THE RESPECTIVE PLUMBING DRAWING.
2. THE CONTRACTOR SHALL PROVIDE A COMPLETE PLUMBING SYSTEM TO INCLUDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL SYSTEM INCLUDING ALL NECESSARY APPURTENANCES CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED OUT.
3. ENTIRE INSTALLATION, INCLUDING MATERIALS, EQUIPMENT AND WORKMANSHIP SHALL CONFORM WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS.
4. APPLICABLE STANDARDS AND REGULATORY BODIES HAVE JURISDICTION OVER THE CLASS OF WORK.
5. MATERIAL AND EQUIPMENT SHALL HAVE STAMPS OR SEALS OF AHRI, ASME, UL OR ASTM.
6. THE CONTRACTOR SHALL MAKE TESTS FOR ACCEPTANCE AND APPROVAL AS REQUIRED BY CODE AND THE REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES. REQUIRED TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OF RECORD AND/OR OWNER UNLESS OTHERWISE WAIVED IN WRITING.
7. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, DOCUMENTS AND SERVICES RELATED TO INSTALLATION OF THE WORK.
8. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES IN ORDER TO RESOLVE ANY CONFLICTS THAT MIGHT ARISE DUE TO THE LOCATION OF EQUIPMENT OR THE USE OF SPACE.
9. EQUIPMENT OF DIFFERENT ELECTRICAL CHARACTERISTICS MAY BE FURNISHED PROVIDED SUCH PROPOSED EQUIPMENT IS APPROVED IN WRITING AND CONNECTING ELECTRICAL SERVICE, CIRCUIT BREAKERS AND CONDUIT ARE APPROPRIATELY MODIFIED AT NO COST TO THE OWNER.
10. RUN ALL HORIZONTAL DOMESTIC COLD WATER, DOMESTIC HOT WATER, AND VENT PIPING ABOVE THE CEILING UNLESS OTHERWISE NOTED.
11. MAKE PIPE PENETRATIONS OF ALL WALLS WITH SLEEVES AS NOTED IN THE SPECIFICATIONS.
12. DO NOT INSTALL EQUIPMENT, PIPING OR DUCTWORK OVER ANY ELECTRICAL EQUIPMENT OR ELECTRICAL SERVICE SPACE.
13. LAYOUT OF PIPING IS DIAGRAMMATIC. RUN ALL EXPOSED PIPING AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. ALLOW FOR RISES, DROPS AND OFFSETS AS REQUIRED.
14. EXTEND CONDENSATE DRAIN LINES AS INDICATED. ALL CONDENSATE DRAIN PIPING SHALL BE TRAPPED AND PITCHED DOWN IN DIRECTION OF FLOW A MINIMUM OF 1/8 INCH PER 1 FOOT.
15. INSTALL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE AND REPAIR OR REPLACEMENT OF ELECTRICAL COMPONENTS. AS MUCH AS PRACTICAL, CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH A MINIMUM OF INTERFERENCE WITH OTHER INSTALLATIONS.
16. FLASHING DETAILS FOR PIPES PENETRATING THE ROOF SHALL BE COORDINATED WITH ARCHITECTURE DETAILS.
17. CONTRACTOR SHALL INSTALL ALL PLUMBING VENTS AND EXHAUST AIR OUTLETS A MINIMUM OF 25'-0" AWAY (PER CODE) FROM ALL OUTSIDE AIR INTAKES, OPERABLE DOORS AND/ OR WINDOWS. CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC BY NATURE, FINAL MEASUREMENTS SHOULD BE MADE AT THE PROJECT SITE.
18. CONTRACTOR TO PROVIDE MEANS TO CLEAR CONDENSATE DRAIN LINE WITHOUT CUTTING THE DRAIN LINE.
19. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

PLUMBING SYMBOLS

	BUTTERFLY VALVE
	BALL VALVE
	CHECK VALVE
	GATE VLVE
	PRESSURE REDUCING VALVE
	FLANGE
	UNION
	STRAINER
	PLUG VALVE
	GAS REGULATOR
	CONNECT TO EXISTING
P.O.D	POINT OF DISCONNECT

PLUMBING PIPING LEGEND

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	SEWER
	VENT
CD	CONDENSATE DRAIN
AUX	AUXILARY DRAIN
G	NATURAL GAS
RD	ROOF DRAIN PIPING
OD	OVERFLOW DRAIN PIPING
A	MEDICAL AIR
NOX	NITROUS OXIDE
N	NITROGEN
O	OXYGEN
V	VACUUM
WAGD	WASTE ANESTHETIC GAS DISPOSAL
	INDICATED DEMOLITION
	FLUID FLOW DIRECTION
	PIPE TURNED UP
	PIPE TURNED DOWN
	EXISTING PIPING IS INDICATED SAME AS ABOVE, EXCEPT IN A LIGHTER PEN WEIGHT.

PLUMBING ABBREVIATIONS

A	
AUX	AUXILIARY
AVG	AVERAGE
AFF	ABOVE FINISHED FLOOR
B	
BOJ	BOTTOM OF JOIST
BTUH	BRITISH THERMAL UNIT PER HOUR
MBU	BRITISH THERMAL UNIT DIVIDED BY 1,000
C	
CD	CONDENSATE
D	
DEG	DEGREE
°F	DEGREES FAHRENHEIT
DIA	DIAMETER
ID	DIAMETER, INSIDE
OD	DIAMETER, OUTSIDE
DDC	DIRECT DIGITAL CONTROLS
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
E	
EWT	ENTERING WATER TEMPERATURE
ECW	EXISTING DOMESTIC COLD WATER
EHW	EXISTING DOMESTIC HOT WATER
EHWR	EXISTING DOMESTIC HOT WATER RETURN
ES	EXISTING SEWER
ET	EXPANSION TANK
F	
FT	FEET
G	
GAL	GALLONS
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	
HP	HORSEPOWER
I	
IN	INCHES
inHG	INCHES OF MERCURY
inH2O	INCHES OF WATER
J	
NOT USED	
K	
kW	KILOWATT
L	
LWT	LEAVING WATER TEMPERATURES
M	
MPG	MEDIUM PRESSURE NATURAL GAS
N	
G	NATURAL GAS
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
O	
NOT USED	
P	
PH	PHASE
LBS	POUNDS
PSI	POUNDS PER SQUARE INCH
PRV	PRESSURE REDUCED VALVE
Q	
NOT USED	
R	
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY
RPM	REVOLUTIONS PER MINUTE
S	
SA	SHOCK ABSORBER / ARRESTOR
SQ.FT.	SQUARE FEET
T	
T&P	TEMPERATURE AND PRESSURE VALVE
TOJ	TOP OF JOIST
TDH	TOTAL DYNAMIC HEAD
U	
UF	UNDERFLOOR
UG	UNDERGROUND
V	
VFD	VARIABLE FREQUENCY DRIVE
VEL	VELOCITY
VTR	VENT THROUGH ROOF
V	VOLTS
W	
NOT USED	
X	
NOT USED	
Y	
NOT USED	
Z	
NOT USED	

PLUMBING FIXTURE MOUNTING HEIGHT

* ALL DIMENSIONS ARE IN INCHES AND FROM FINISHED FLOOR	AGES: 3 & 4		AGES: 5 THROUGH 8		AGES: 9 THROUGH 12		AGES: 13 THROUGH ADULTS	
	ADA/TAS	STANDARD (4)	ADA/TAS	STANDARD (4)	ADA/TAS	STANDARD (4)	ADA/TAS	STANDARD (4)
WATER CLOSETS								
TOP OF SEAT	11 - 12 MAX	11 - 12 MAX	11 - 15 MAX	11 - 15 MAX	15 - 17 MAX	15 - 17 MAX	17 - 19 MAX	16 - 18 MAX
FLUSH CONTROLS (HANDLE HEIGHT)	30 MAX	30 MAX	30 MAX	30 MAX	30 MAX	30 MAX	30 MAX	30 MAX
URINALS								
RIM OF BASIN	14 MAX	14 MAX	14 MAX	14 MAX	14 MAX	24 MAX	17 MAX	24 MAX
MINIMUM DEPTH (5)	13 1/2 MIN	13 1/2 MIN	13 1/2 MIN	13 1/2 MIN	13 1/2 MIN	13 1/2 MIN	13 1/2 MIN	13 1/2 MIN
FLUSH CONTROLS (HANDLE HEIGHT)	36 MAX	36 MAX	40 MAX	40 MAX	44 MAX	44 MAX	46 MAX	46 MAX
LAVATORIES AND SINKS								
RIM (10)	31 MAX	31 MAX	31 MAX	31 MAX	31 MAX	31 MAX	34 MAX	34 MAX
KNEE CLEARANCE	24 MAX	24 MAX	24 MAX	24 MAX	24 MAX	24 MAX	27 MIN	27 MIN
FRONT EDGE TO WALL/FAUCET HANDLE	20 MAX	20 MAX	20 MAX	20 MAX	20 MAX	20 MAX	20 -25 MAX	20 -25 MAX

NOTES:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF PLUMBING FIXTURES, GRAB BARS, DISPENSERS, ETC. WITH RESPECT TO WALLS, STALLS, ETC.
2. ACCESSIBILITY GUIDELINES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY, AND INTENDED TO SERVE AS A GUIDE FOR CONSTRUCTION PROFESSIONALS AND OWNERS.
3. SOME OF THE INFORMATION SHOWN HERE MAY NOT BE APPLICABLE TO THIS PROJECT
4. STANDARD HEIGHT INFORMATION IS OBTAINED FROM ASPE (AMERICAN SOCIETY OF PLUMBING ENGINEERS), HEIGHTS NOT NOTED BY INFORMATION ON DRAWINGS.
5. DEPTH TO BE MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.
6. KNEE CLEARANCE FOR LAVATORIES AND SINKS SHALL COMPLY WITH TAS.
7. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTER TOP/BASE CABINET MANUFACTURER TO VERIFY THAT THE RIM OF THE LAVATORY/SINK IS INSTALLED AT NO MORE THAN THE MAXIMUM HEIGHT ALLOWED.
8. KNEE CLEARANCE MAY BE LOWERED FROM 27 INCHES TO 24 INCHES, IF THE RIM HEIGHT IS SET AT 31 INCHES.

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STATE OF TEXAS
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PROFESSIONAL ENGINEER

07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT

BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.

43007.24

KEY PLAN

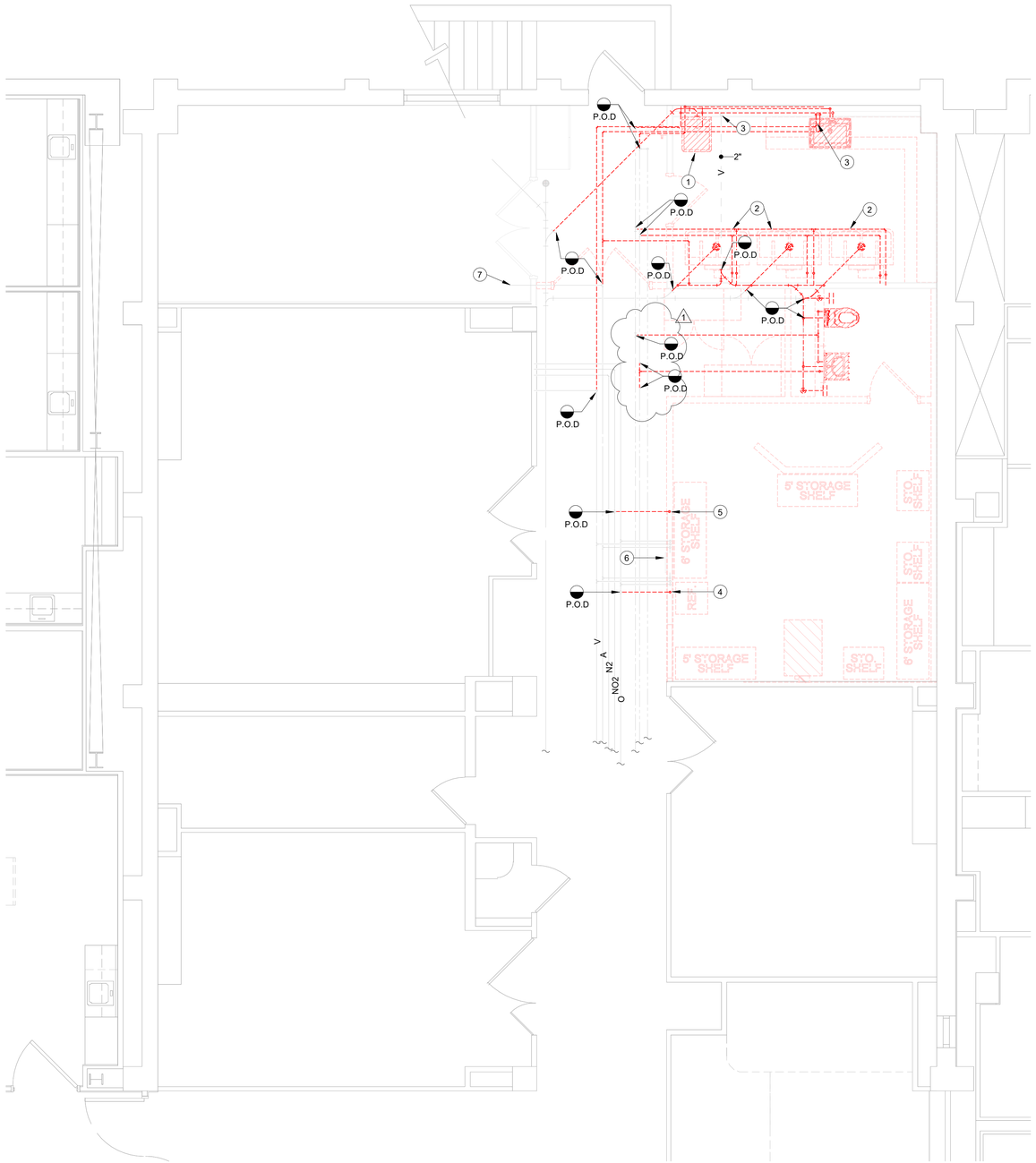
#	DATE	DESCRIPTION
-	07/29/2024	Issued For Construction

Plumbing Symbols, Legends & Abbreviations

P-001

GENERAL NOTES

A. REFER TO GENERAL NOTES ON P-001.



KEY NOTES

AS INDICATED BY: (#)

1 EXISTING CLINIC SERVICE SINK, FAUCET, FLUSH VALVE AND ALL OTHER EXISTING CONNECTIONS TO BE REMOVED. REFER TO NEW PLUMBING PLAN FOR NEW SINK LOCATION.

2 RELOCATE EXISTING STELIZER TO LOCATION SHOWN ON NEW PLUMBING PLAN. CONTRACTOR TO RELOCATE 1/2" DOMESTIC HOT AND COLD WATER LINES TO THERMOSTATIC MIXING VALVE AND FILTER ASSEMBLY AS CURRENLTY INSTALLED. CONTRACTOR TO RELOCATE INSTRUMENT AIR, FLOOR DRAINS, AND DRAIN SEWER AND VENT LINES AS CURRENTLY INSTALLED. ANY PARTS DAMAGED IN THE TRANSITION SHOULD BE REPLACED BY THE PLUMBING CONTRACTOR FOR THE NEW LOCATION. REUSING EXISTING FITTINGS, ACCESSORIES, FILTERS, MIXING VALVES, PRESSURE SENSORS,ETC IS ACCEPTABLE IF THESE ITEMS REMAIN UNDAMAGED IN THE RELOCATION.

3 REMOVE EXISTING VACUUM AND INSTRUMENT AIR OUTLETS ABOVE SINK. REMOVE PIPING BACK TO POINT OF DISCONNECTION SHOWN.

4 REMOVE EXISTING OXYGEN OUTLET ABOVE SINK. REMOVE PIPING BACK TO POINT OF DISCONNECTION SHOWN.

5 REMOVE EXISTING NITOGREN OUTLET ABOVE SINK. REMOVE PIPING BACK TO POINT OF DISCONNECTION SHOWN.

6 EXISTING ZONE VALVE BOX TO REMAIN. WALL REPLACEMENT IN THIS AREA SHOULD NOT EFFECT THE ZONE VALVE BOX OR THE MEDICAL GAS TO AND FROM IT. SHOULD THE CONTRACTOR DISCOVER THE ZONE VALVE BOX OR MEDICIAL GAS PIPING HAS TO BE REPLACED, CONTRACTOR TO SUBMIT A CHANGE ORDER WITH PROPOSED RELOCATION INFORMATION.

7 EXISTING INSTRUMENT AIR COMPRESSOR. CONTRACTOR TO VERIFY THAT EXISTING COMPRESSOR CAN MEET NEW INSTRUMENT AIR DEMAINS. IF A LARGE COMPRESSOR IS REQUIRED, SUBMIT A CHANGE ORDER WITH A NEW COMPRESSOR TO SERVE THE ADDITIONAL LOAD.

A2 PLUMBING AND MEDICAL GAS DEMOLITION PLAN
1/4" = 1'-0"

NORTH

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	Issued For Construction

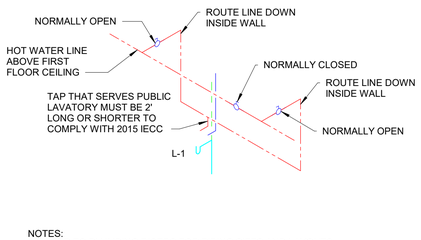
Plumbing & Medical Gas Demolition Plan - First Floor

P-101

PLUMBING FIXTURE SCHEDULE

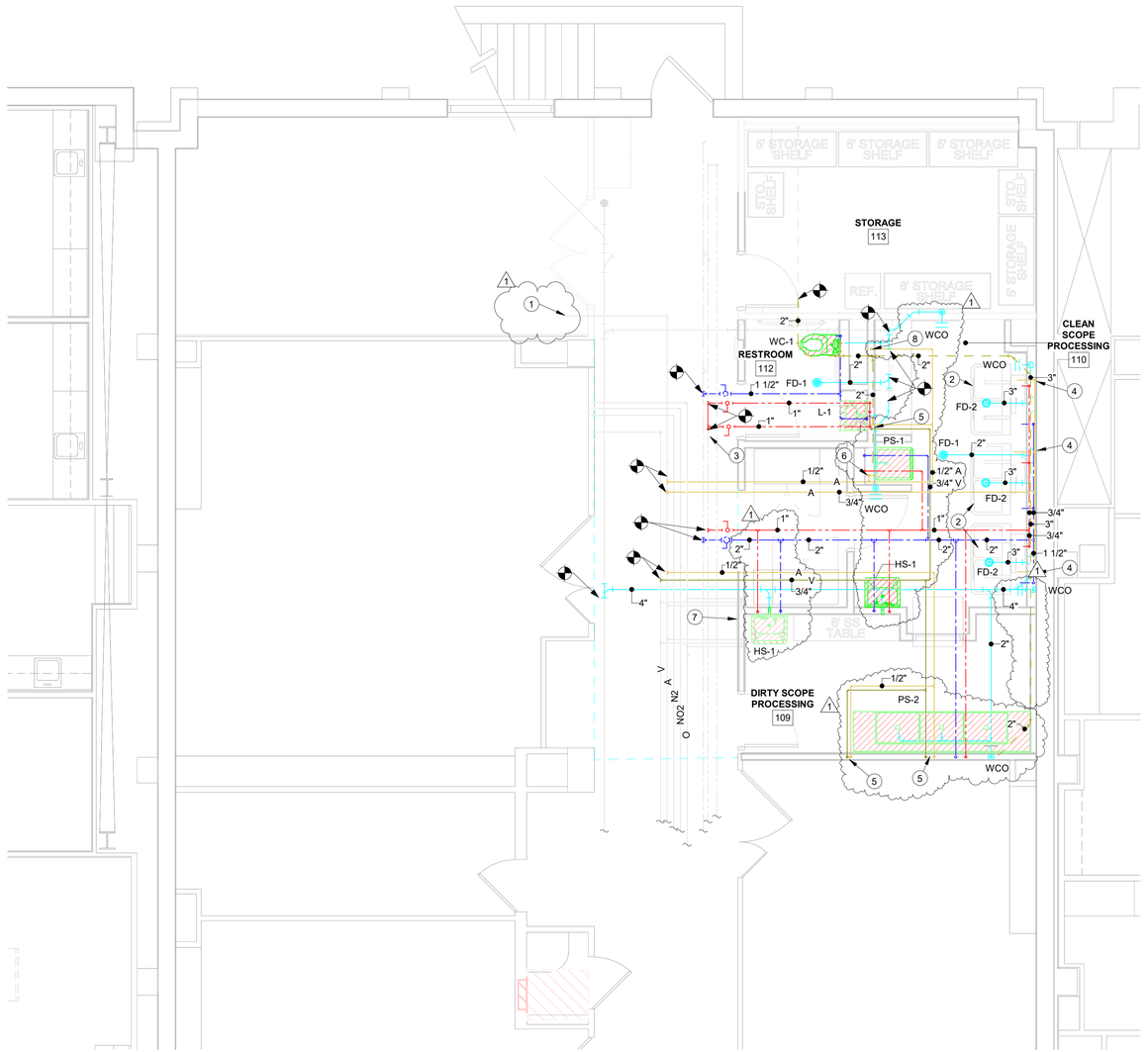
SYMBOL	MINIMUM CONNECTIONS				DESCRIPTION	MANUFACTURER	MODEL NO.	OPTIONS
	CW	HW	VENT	SEWER				
WC-1	1"	--	2"	4"	WALL MOUNTED FLUSH VALVE TAS COMPLIANT WATER CLOSET, ELONGATED CHINA BOWL LESS EVERCLEAN, SIPHON JET FLUSHING ACTION, TOP SPUD, AND AN EXTRA HEAVY DUTY OPEN FRONT WHITE SEAT WITH EVERCLEAN. EXPOSED HARDWIRED SENSOR OPERATED FLUSH VALVE WITH MANUAL OVERRIDE, 1.28 GALLONS PER FLUSH, AND VANDAL RESISTANT STOP CAP. REFER TO P-001 FOR TAS MOUNTING HEIGHT REQUIREMENTS. BARIATRIC CARRIER -1,000 LB.	AMERICAN STANDARD	2257.001 "AFWALL"	VALVE - SLOAN ROYAL 111-1.28 ESS SEAT - AMERICAN STANDARD 5901.110T CARRIER - ZURN Z1203-N-XB COORDINATE WITH ELECTRICAL
L-1	1/2"	1/2"	1-1/2"	1-1/2"	WALL MOUNTED TAS COMPLIANT LAVATORY, VITREOUS CHINA, NOMINAL 20" x 18", BACK AND SIDE SPLASHES, FOR CONCEALED ARM CARRIER, 4" CENTERED FAUCET HOLE. TAS COMPLIANT GOOSENECK LEVER FAUCET WITH WRIST BLADE HANDLES 2.2 GPM. DRAIN OUTLET WITH GRID STRAINER. REFER TO P-001 FOR TAS MOUNTING HEIGHTS.	AMERICAN STANDARD	0356.421 LUCERNE	FAUCET - T&S BRASS B-0892-CR CARRIER - WATTS TCA-411 DRAIN - AMERICAN STANDARD 7723.018
PS-1	1"	1/2"	1-1/2"	3"	WALL HUNG CLINIC SERVICE SINK, VITREOUS CHINA, FLUSHING RIM WITH BLOW-OUT OPERATION, 1-1/2" TOP SPUD, WHITE FINISH. EXPOSED YOKE WALL-MOUNT FAUCET WITH CAST BRASS SPOUT, CERAMIC DISC VALVES, INTEGRAL SUPPLY STOPS, OFFSET SHANKS WITH CHECK VALVES, BOTTOM FORK BRACE, BUCKET HOOK, AND VANDAL-RESISTANT WRIST BLADE HANDLES. MANUAL PISTON FLUSH VALVE, 6.5 GPF, WITH SELF-CLEANING BRASS PISTON, ANGLE STOP WITH BACKFLOW PREVENTER, VACUUM BREAKER, SWEAT SOLDER KIT, AND CHROME-PLATED BRASS BODY.	AMERICAN STANDARD	9512999.020	VALVE - AMERICAN STANDARD 6047.117 FAUCET - AMERICAN STANDARD 8345115.002 PROVIDE 3 RIM GAURDS FOR EACH SIDE OF SINK.
PS-2	1/2"	1/2"	1-1/2"	1-1/2"	THREE COMPARTMENT STERILE PROCESSING SINK, 120" x 28" x 44" ADJUSTABLE HEIGHT CONSTRUCTED OF WELDED, SANITARY TYPE 304 STAINLESS STEEL WITH LARGE RADIUS INSIDE CORNERS FOR EASY CLEANUP. HOT AND COLD FAUCET, ADDITIONAL SPRAY HOSE, LEVER HANDLE DRAINS, 4 INCH BACK SPLASH, ADJUSTABLE LEVELING FEET, AND COMPRESSED AIR NOZZLE.	STERIS COORPERATION	AMSCO 50	ENSURE FAUCET, HOSE SPRAYER AND COMPRESSED AIR NOZZLE ARE PROVIDED BY STERIS AS OPTIONS
HS-1	1/2"	1/2"	1-1/2"	1-1/2"	WALL MOUNTED STAINLESS STEEL HAND SINK, TSA COMPLIANT TYPE 304 STAINLESS STEEL, WITH REMOVABLE FRONT PANEL FOR ACCESS TO THE PLUMBING. FULL WIDTH BACKSPLASH WITH A BRUSHED FINISH. TAS COMPLIANT FAUCET SINK MOUNTED, 1.2 GPM, MOTION ACTIVATED WALL POWERED. EY/FACE WASH SIMPLE PULL-DOWN MOTION PROVIDES COVERAGE AND FLOW FOR EYE/FACE WASH. FURNISHED WITH IN- WALL CARRIER. PROVIDE THERMOSTATIC MIXING VALVE BELOW SINK. REFER TO P-001 FOR TAS MOUNTING HEIGHTS.	HAWS	7660	CARRIER - HAWS 6800 DRAIN - HAWS 6810W
FD-1	--	--	2"	AS SHOWN ON DWG	FLOOR DRAIN - 6" DIA. ADJUSTABLE POLISHED NICKEL BRONZE STRAINER, CAST IRON BODY WITH REVERSIBLE CLAMPING COLLAR. P-TRAP SHALL BE DEEP SEAL TYPE. COORDINATE FLOORING TYPE WITH ARCHITECTURE.	WATTS	FD-100A	TRAP GUARD - PROSET
FD-2	--	--	2"	AS SHOWN ON DWG	FLOOR DRAIN - 6" DIA. ADJUSTABLE POLISHED NICKEL BRONZE STRAINER, CAST IRON BODY WITH REVERSIBLE CLAMPING COLLAR. P-TRAP SHALL BE DEEP SEAL TYPE. COORDINATE FLOORING TYPE WITH ARCHITECTURE.	WATTS	FD-100-EF	TRAP GUARD - PROSET PROVIDE WITH ROUND FUNNEL
WCO	--	--	---	AS SHOWN ON DWG	WALL CLEANOUT - NO-HUB PVC CLEANOUT TEE WITH ROUND STAINLESS STEEL COVER AND CENTER SCREW, GASKETED SEAL BRASS THREADED PLUG WITH RECESSED SOCKET.	WATTS	CO-460-RD	

1. MANUFACTURERS WITH MODEL NUMBERS ARE BASE ITEMS. OTHER MANUFACTURERS MUST BE EQUIVALENT MANUFACTURERS UNLESS NOTED OTHERWISE.
2. FOR MOUNTING HEIGHTS OF INDIVIDUAL WALL-MOUNTED FIXTURES, REFER TO P-001 SHEET.
3. EACH UNDER SLAB OR CONCEALED P-TRAP SHALL BE A DEEP-SEAL TYPE.
4. PROVIDE EACH WALL MOUNTED PLUMBING FIXTURE, SUCH AS SINKS, LAVATORIES, ETC., WITH A FLOOR MOUNTED SUPPORT CARRIER WITH RECTANGULAR LEGS.
5. UNLESS SCHEDULED OTHERWISE, PROVIDE EACH LAVATORY, SINK, , ETC. WITH A P-TRAP ASSEMBLY CONSISTING OF A CHROME-PLATED (C.P.) CAST BRASS TRAP WITH CLEANOUT PLUG, C.P. TUBING OUTLET (MIN. 17 GA.), AND C.P. CAST BRASS ESCUTCHEON WITH SETSCREW.
6. PROVIDE EACH FIXTURE WHICH REQUIRES COLD AND/OR HOT WATER (EXCEPT FLUSH VALVES) WITH A SUPPLY/STOP ASSEMBLY CONSISTING OF A C.P. BRASS STOP VALVE (MIN. 1/2") WITH QUARTER STOPS AND LOCK SHIELD, STAINLESS STEEL FLEXIBLE RISER, C.P. BRASS NIPPLE, AND C.P. CAST BRASS ESCUTCHEON WITH SETSCREW.
7. FOR EACH PUBLIC LAVATORY OR SINK WITH EXPOSED DRAIN AND BOTH COLD AND HOT SUPPLY COMPONENTS, PROVIDE A MANUFACTURED INSULATION KIT MADE FROM MOLDED CLOSED CELL VINYL THAT IS ANTI-MICROBIAL AND SEAMLESS. EACH KIT SHALL COVER THE TAILPIECE, P-TRAP, WALL BEND, BOTH WATER SUPPLY STOPS, AND BOTH WATER RISERS. KITS SHALL BE EQUAL OR EQUIVALENT TO "PROWRAP" BY McGUIRE OR LAV-GUARD BY TRUEBRO.
8. WHERE ARCHITECTURAL PLANS SHOW WATER CLOSETS, PROVIDE AND INSTALL FLUSHING VALVE SUCH THAT FLUSH HANDLE IS ON WIDE SIDE OF WATER CLOSET.
9. PROVIDE WATER HAMMER ARRESTORS LOCATED AND SIZED ACCORDING TO PDI RECOMMENDATIONS.
10. PROVIDE ISOLATION VALVES IN CW, HW AND HWR PIPING AS NEED OR AS SHOWN FOR ALL GROUPS OF FIXTURES.
11. INSTALL PLUMBING FIXTURES IN ACCORDANCE WITH LATEST ADA AND TAS STANDARDS.



NOTES:
1. REFER TO PLUMBING RISERS FOR PIPING SIZES AND LAYOUTS.

A1 PUBLIC LAVATORY SCHEMATIC
NTS



A2 PLUMBING AND MEDICAL GAS PLAN
1/4" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO GENERAL NOTES ON P-001.

KEY NOTES

AS INDICATED BY: (#)

1 EXISTING INSTRUMENT AIR COMPRESSOR. CONTRACTOR TO VERIFY THAT EXISTING COMPRESSOR CAN MEET NEW INSTRUMENT AIR DEMAINS. IF A LARGE COMPRESSOR IS REQUIRED, SUBMIT A CHANGE ORDER WITH A NEW COMPRESSOR TO SERVE THE ADDITIONAL LOAD.

2 RELOCATE EXISTING STELIZER REFER TO PLUMBING DEMOLTION PLAN FOR PREVIOUS LOCATION. CONTRACTOR TO RELOCATE 1/2" DOMESTIC HOT AND COLD WATER LINES TO THERMOSTATIC MIXING VALVE AND FILTER ASSEMBLY AS CURRENLTY INSTALLED. CONTRACTOR TO RELOCATE INSTRUMENT AIR, FLOOR DRAINS, AND DRAIN SEWER AND VENT LINES AS CURRENTLY INSTALLED. ANY PARTS DAMAGED IN THE TRANSITION SHOULD BE REPLACED BY THE PLUMBING CONTRACTOR FOR THE NEW LOCATION. REUSING EXISTING FITTINGS, ACCESSORIES, FILTERS, MIXING VALVES, PRESSURE SENSORS,ETC IS ACCEPTABLE IF THESE ITEMS REMAIN UNDAMAGED IN THE RELOCATION.

3 VERIFY SIZE OF EXISTING DOMESTIC HOT WATER LINE IS 1" AND CONNECT NEW PIPING AS SHOWN TO MEET 2015 IECC HOT WATER REQUIREMENTS FOR PUBLIC RESTROOMS ROUTE DOMESTIC 1" HOT WATER LINE DOWN IN WALL TO MEET MINIMUM DISTANCE REQUIREMENTS. REFER TO DETAIL ON THIS SHEET FOR MORE INFORMATION.

4 PROVIDE 1/2" INSTRUMENT AIR TO SERVE STERLIZER.

5 PROVIDE INSTRUMENT AIR AND VACCUUM TO PIN INDEX BEACON MEDAES OUTLET TO MATCH EXISTING HOSPITAL OUTLETS IN THIS AREA. (1)

6 PROVIDE 1/2" INSTRUMENT AIR OUTLET TO SERVE CLEAN SCOPE PROCESSING.

7 EXISTING ZONE VALVE BOX TO REMAIN. WALL REPLACEMENT IN THIS AREA SHOULD NOT EFFECT THE ZONE VALVE BOX OR THE MEDICAL GAS TO AND FROM IT. SHOULD THE CONTRACTOR DISCOVER THE ZONE VALVE BOX OR MEDICIAL GAS PIPING HAS TO BE REPLACED, CONTRACTOR TO SUBMIT A CHANGE ORDER WITH PROPOSED RELOCATION INFORMATION. (1)

8 PROVIDE INSTRUMENT AIR TO PIN INDEX BEACON MEDAES OUTLET TO MATCH EXISTING HOSPITAL OUTLETS IN THIS AREA.

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09/02/2025

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BSA GI Lab Renovation
Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	Issued For Construction

Plumbing & Medical Gas Plan - First Floor

P-111

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GENERAL MECHANICAL NOTES

A. FIRESTOP PENETRATIONS IN FIRE-RATED WALLS, FLOORS, ETC. MECHANICAL CONTRACTOR SHALL MAKE REQUIRED PENETRATIONS IN RATED WALLS, FLOORS, ETC. NEATLY WITH A CUTTING TOOL, CONTRACTOR SHALL MAKE THE PENETRATIONS NO LARGER THAN NECESSARY.
B. SUPPORT DUCTWORK AND EQUIPMENT FROM THE BUILDING STRUCTURE.
C. FLEXIBLE DUCT SHALL BE ALLOWED. PROVIDE SPIN-IN SHEET METAL COLLAR WITH INTEGRAL BALANCING DAMPER WITH EXTENDED LENGTH OPERATOR FOR EACH SUPPLY AIR TAP. PROVIDE ALL LOW PRESSURE SUPPLY AIR DUCTWORK WITH BLANKET INSULATION WITH A MINIMUM "R-VALUE" OF 6.0. INSULATION SHALL BE OWENS-CORNING FIBERGLASS SERIES OR EQUIVALENT, ONE POUND PER CUBIC FOOT MINIMUM DENSITY WITH FOIL REINFORCED KRAFT (FRK) VAPOR BARRIER FACING. INSULATION SHALL BE WRAPPED TIGHTLY ON THE DUCTWORK WITH ALL CIRCUMFERENTIAL JOINTS BUTTED AND LONGITUDINAL JOINTS OVERLAPPED A MINIMUM 2". ADHERE INSULATION TO METAL WITH 4" STRIPS OF INSULATION BONDING ADHESIVE AT 8" ON CENTER. ON CIRCUMFERENTIAL AND LONGITUDINAL JOINTS, THE 2" FLANGE OF THE FACING SHALL BE SECURED USING 9/16" FLARE DOOR STAPLES APPLIED 6" ON CENTER AND TAPED WITH 4" WIDE FIBERGLASS TAPE EMBEDDED IN FOSTER 30-35 WHITE VAPOR BARRIER EMULSION AND COVERED WITH FOSTER 30-35 WHITE VAPOR BARRIER EMULSION UNTIL THE TAPE IS COMPLETELY COVERED. ALL PIN PENETRATIONS OR PUNCTURES IN FACING SHALL ALSO BE TAPED.
D. BEFORE INSTALLATION, EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, ANY DEVICE WITH ELECTRICAL CONNECTIONS, DUCTWORK, INSULATION, PIPING, VALVES, AIR DEVICES, ETC., SHALL NOT BE STORED DIRECTLY ON GRADE OR ON A SLAB OR FLOOR. BEFORE AND AFTER INSTALLATION, SUCH EQUIPMENT AND DEVICES SHALL BE PROTECTED FROM ENTRY OF DIRT, TRASH, WATER (EXCEPT AS REQ'D), VERMIN, ETC.
E. CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS OF AIR DEVICES AND DUCTWORK WITH LIGHTS, CEILING PANELS, JOIST SPACING AND ARCHITECTURAL REFLECTED CEILING PLAN (REF. ELECTRICAL PLANS AND ARCHITECTURAL PLANS).
F. CONTRACTOR SHALL NOT CUT, DRILL, OR ALTER ANY ELEMENT OF A WALL, FLOOR, CEILING, ROOF, SLAB, ETC., WITHOUT FIRST RECEIVING INSTRUCTIONS FROM ARCHITECT. ALL CUTS SHALL BE MADE WITH A CUTTING TOOL.
G. PATCHING OR SEALING OF CUTS, PENETRATIONS, ETC., SHALL BE DONE BY CONTRACTOR PER INSTRUCTIONS FROM AND TO FINAL APPROVAL OF ARCHITECT. COORDINATE WITH GENERAL CONTRACTOR.
H. DUCTWORK DIMENSIONS SHOWN ARE INTERIOR SHEET METAL SIZES.
I. CONTRACTOR SHALL FIELD VERIFY CONDITION OF EXISTING EQUIPMENT AND PROVIDE NECESSARY COMPONENTS TO ASSEMBLE AND TO START-UP COMPLETE AND FULLY OPERATIONAL SYSTEMS.
J. ALL WORK SHALL COMPLY WITH SMACNA STANDARDS, LOCAL CODES, APPLICABLE ENERGY CODES, SAFETY REQUIREMENTS, AND THE LOCAL AUTHORITY HAVING JURISDICTION.
K. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED FEES, REVIEWS, INSPECTIONS AND PERMITS REQUIRED FOR THIS WORK.
L. AIRFLOW CONDITIONS SHALL BE RATED FOR LOCAL ALTITUDE.
M. DYNAMIC FIRE DAMPERS. PROVIDE AND INSTALL 1 1/2 HOUR FIRE RESISTANCE DAMPERS IN ACCORDANCE WITH NFPA 90A AND UL 555 WHERE INDICATED. DYNAMIC CLOSURE RATING: DAMPERS CLASSIFIED FOR DYNAMIC CLOSURE TO 2000 FPM AND 4 INCHES WG STATIC PRESSURE. CONSTRUCTION: INTEGRAL SLEEVE FRAME: MINIMUM 20 GAGE ROLL FORMED GALVANIZED STEEL. LENGTH: 12 INCHES. BLADES: STYLE: CURTAIN TYPE. ACTION: SPRING OR GRAVITY CLOSURE UPON FUSIBLE LINK RELEASE. MATERIAL: MINIMUM 24 GAGE ROLL FORMED, GALVANIZED STEEL. CLOSURE SPRINGS: TYPE 301 STAINLESS STEEL, CONSTANT FORCE TYPE, IF REQUIRED. FUSIBLE LINK RELEASE TEMPERATURE 165 F. MOUNTING VERTICAL OR HORIZONTAL AS INDICATED ON DRAWINGS. DUCT TRANSITION CONNECTION, DAMPER STYLE: A STYLE - RECTANGULAR CONNECTION, FRAME AND BLADES IN AIR STEAM.

HEATING VENTILATING AND AIR CONDITIONING SPECIFICATIONS

I. GENERAL

A. **NOTE:**
1. CONFORM WITH THE APPLICABLE PROVISIONS OF THE GENERAL CONDITIONS, THE SPECIAL CONDITIONS AND THE GENERAL REQUIREMENTS.

B. **SUBMITTALS**
1. SUBMIT MANUFACTURER'S DATA AND SHOP DRAWING ON ALL MATERIALS.

C. **SCOPE:**
1. THIS SECTION OF THE SPECIFICATIONS PERTAINS TO ALL LABOR, MATERIALS, EQUIPMENT AND SERVICE NECESSARY FOR AND INCIDENTAL TO THE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND/OR AS SPECIFIED HEREIN.
2. ALL APPURTENANCES AND AUXILIARY EQUIPMENT NECESSARY TO THE FUNCTION OF ANY SPECIFIED ITEM OF EQUIPMENT SHALL BE FURNISHED WITH THE ITEM OF EQUIPMENT, WHETHER SPECIFICALLY MENTIONED OR NOT. EACH ITEM OF EQUIPMENT SHALL PERFORM THE FUNCTION FOR WHICH IT IS INTENDED, AND ALL WORK NECESSARY TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM SHALL BE PROVIDED.
3. THIS SPECIFICATION REQUIRES THAT ALL ITEMS OF EQUIPMENT BE COMPLETELY INSTALLED, FINALLY CONNECTED, TESTED AND PLACED IN SERVICE.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL REQUIREMENTS OF THE EQUIPMENT AND THE CONTRACT AND CERTIFY WITH THE SUBMITTAL OF THE SHOP DRAWINGS THAT ALL REQUIREMENTS HAVE BEEN MET, INCLUDING:
   a. SPACE REQUIREMENTS
   b. ELECTRICAL REQUIREMENTS (VOLTAGE, PHASE, WIRES - NO. AND SIZE)
   c. CAPACITIES
   d. CLEARANCE FOR MAINTENANCE
   e. QUALITY
   f. QUANTITY

II. PRODUCTS

A. **METAL DUCTWORK:**
1. EXCEPT AS OTHERWISE SPECIFIED HEREIN, IN OTHER SECTIONS OF THE SPECIFICATIONS, AND/OR NOTED ON THE DRAWINGS, LOW PRESSURE DUCTS SHALL BE CONSTRUCTED OF GALVANIZED STEEL SHEETS IN ACCORDANCE WITH THE RECOMMENDED CONSTRUCTION FOR LOW PRESSURE DUCTWORK INSOFAR AS GAUGES OF METAL TO BE USED, BRACING OF JOINTS AND JOINT CONSTRUCTION AS ESTABLISHED IN HVAC DUCT CONSTRUCTION STANDARDS, FIRST EDITION, AS PUBLISHED BY SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA).
2. UNLESS INDICATED OTHERWISE, ALL DUCT SHALL BE CONSTRUCTED IN CONFORMANCE WITH 1" W.G. PRESSURE CLASS EXCEPT DUCT UPSTREAM OF TERMINAL DEVICES IN VAHRIABLE AIR VOLUME SYSTEMS SHALL BE IN CONFORMANCE WITH 2" W.G. PRESSURE CLASS.
3. MAKE SQUARE ELBOWS WHERE SHOWN OR REQUIRED, WITH FACTORY-FABRICATED TURNING VANES. MAKE ALL OTHER CHANGES IN DIRECTION WITH ROUNDED ELBOWS HAVING A CENTERLINE RADIUS EQUAL TO 1-1/2 TIMES THE WIDTH OF THE DUCT IN THE PLANE OF THE BEND.
4. MAKE TRANSFORMATIONS IN DUCT SHAPE OR DIMENSION WITH GRADUAL SLOPES ON ALL SIDES. MAKE INCREASES IN DIMENSIONS IN THE DIRECTION OF AIR FLOW, WITH A MAXIMUM SLOPE OF 1" IN 7" ON ANY SIDE. MAKE DECREASES IN DIMENSIONS IN THE DIRECTION OF AIR FLOW PREFERABLY WITH A SLOPE OF 1" IN 7" ON ANY SIDE, BUT WITH A MAXIMUM SLOPE OF 1" IN 4" WHERE CONDITIONS NECESSITATE.
5. DUCTS SHALL BE ROUTED IN CONJUNCTION WITH PIPES, ELECTRICAL CONDUITS, CEILING HANGERS, ETC. SO AS TO AVOID INTERFERENCES INSOFAR AS POSSIBLE. WHERE DUCT PENETRATIONS ARE UNAVOIDABLE, PROVIDE STREAMLINE SHAPED SLEEVES AROUND SUCH MATERIAL PENETRATIONS, MADE AIRTIGHT AT DUCT SURFACES, EXCEPT THAT SUCH SLEEVES ARE NOT REQUIRED AT TIE RODS. WHERE OBSTRUCTIONS ARE OF A SIZE TO EXCEED 10% OF THE DUCT AREA, THE DUCT SHALL BE TRANSFORMED TO MAINTAIN THE SAME DUCT AREA.
6. TRANSVERSE DUCT JOINTS 36" AND LARGER SHALL BE MADE WITH THE DUCTMATE SYSTEM OR AN APPROVED EQUAL. THE DUCTMATE SYSTEM COMPONENTS SHALL BE OF STANDARD CATALOGUE MANUFACTURE AS SUPPLIED BY DUCTMATE INDUSTRIES, INC.
7. THE INSTALLATION OF THE DUCTMATE SYSTEM SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTRUCTION AND INSTALLATION MANUALS.

HEATING VENTILATING AND AIR CONDITIONING SPECIFICATIONS

8. THE STANDARD DUCTMATE 35 SYSTEM JOINT IS THE EQUIVALENT OF A SMACNA "J" CONNECTION. THE DUCTMATE 25 SYSTEM JOINT IS THE EQUIVALENT OF A SMACNA "F" CONNECTION. CONSTRUCTION OF THE DUCT, SUCH AS GAUGE, REINFORCING, ETC., SHALL BE AS INDICATED IN THE ADDENDUM TO THE SMACNA MANUALS AS PROVIDED BY THE MANUFACTURER AND AS TESTED BY PITTSBURGH TESTING LABORATORY.

B. **DUCT WRAP:**
INSULATE THE SUPPLY, RETURN AND FRESH AIR DUCTS WITH 2" THICK, 3/4 LB. DENSITY, OWENS-CORNING "ALL SERVICE WRAP" GLASS FIBER FLEXIBLE INSULATION HAVING A FACTORY APPLIED FSKL VAPOR BARRIER JACKET. THIS INSULATION SHALL BE SECURED, VAPOR BARRIER SIDE OUT, TO SHEET METAL. ON HORIZONTAL RUNS, LAP TOP AND BOTTOM SHEETS OVER EDGES OF SIDE PIECES. BUTT JOINTS TIGHTLY. DUCTS HANDLING WARM AIR ONLY NEED NOT BE VAPOR SEALED. ON DUCTS 24" AND WIDER, INSTALL CLIPS ON BOTTOM OF DUCT, MAXIMUM OF 18" O.C., TO PREVENT INSULATION FROM SAGGING.

C. **DUCT LINER:**
1. ALL SHEET RETURN AIR PLENUMS SHALL BE LINED.
2. THE LISTED DUCTS SHALL BE LINED TO A THICKNESS OF 1-1/2" WITH MANSVILLE "LINACOUSTIC" MAT FACED DUCT LINER, OR EQUAL DUCT LINER COATED WITH NEOPRENE ON ONE SIDE.
3. DUCT LINER SHALL HAVE AN AVERAGE THERMAL CONDUCTIVITY OF .26 BTU-IN./SQ. FT.-DEGREE F. AT A MEAN TEMPERATURE OF 75 F.
4. THE DUCT LINER SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WITH THE COATED SIDE AWAY FROM THE METAL, USING WELD PINS OR ADHESIVE TUFFBOND AND ADHESIVE TYPE METAL CLIPS, GEMCO, OR EQUAL, OF THE TYPE WHICH DO NOT PROTRUDE THROUGH THE DUCT. THE SIZE OF THE DUCTS INDICATED ARE ACTUAL INTERNAL SIZES AND THE SHEET METAL SIZES SHALL BE 3" GREATER IN BOTH DIMENSIONS TO ACCOMMODATE THE LINING. NO VOIDS ARE PERMITTED.
5. USE 100% ADHESIVE COVERAGE AND CLIPS AT THE RATE AS SPECIFIED BY SMACNA.

D. **DUCT SEALER:**
1. ALL SUPPLY AIR AND EXHAUST AIR DUCTWORK SHALL BE SEALED TO PROVIDE AIRTIGHT CONSTRUCTION. METAL SURFACES TO BE JOINED SHALL BE CLEAN, DRY AND FREE OF DIRT OR GREASE. APPLY A HEAVY COAT OF KINGCO SEAL-RITE 18-120 TO THE INTERIOR METAL SURFACE OF THE SLIP JOINT, THEN INTERLOCK INTO PLACE METAL DUCT SECTIONS. APPLY A HEAVY COAT OF 18-120 TO THE EXTERIOR METAL SURFACE DUCT JOINT, MAKING SURE ANY VOIDS ARE FILLED TO SECURE A CONTINUOUS AIR PRESSURE SEALANT.
2. ALLOW SEALANT TO DRY A MINIMUM OF 48 HOURS BEFORE PRESSURIZING SYSTEM.
3. DUCTMATE PROSEAL OR HARDCAST WILL BE CONSIDERED EQUAL.

E. **AIR CONTROL DEVICES:**
1. MANUAL DAMPERS SHALL BE INSTALLED AS REQUIRED TO AFFORD COMPLETE CONTROL OF THE AIR FLOW IN THE VARIOUS DUCT SYSTEMS. IN RECTANGULAR SUPPLY DUCTS, A VOLUME DAMPER SHALL BE INSTALLED AT EACH POINT WHERE A BRANCH IS TAKEN OFF TO ACHIEVE THE FINAL AIR BALANCE.
2. VOLUME DAMPERS OF THE "BUTTERFLY" TYPE SHALL BE CONSTRUCTED OF 22 GAUGE GALVANIZED STEEL RIVETED OR WELDED TO SQUARE OPERATING RODS. DAMPERS SHALL HAVE BEARINGS OF BRASS, BRONZE OR APPROVED PLASTIC IN MOST INSTANCES. VOLUME DAMPERS OF THE BUTTERFLY TYPE SHALL BE USED ONLY IN CASES WHERE NEITHER DIMENSION OF THE DAMPER EXCEED 24". THE METAL USED SHALL MATCH THAT OF DUCT SYSTEM CONTAINING THE DAMPER IN EACH CASE. USE SPECIAL METALS FOR DAMPER RODS AND BEARINGS AS REQUIRED TO RESIST CORROSION.
3. IN CASES WHERE EITHER DIMENSION OF THE SMALLER BRANCH DUCT EXCEEDS 24", VOLUME DAMPERS SHALL BE OF THE OPPOSED BLADE TYPE WITH BLADES LINKED TOGETHER AND CONTROLLED FROM A SINGLE POINT. THEY SHALL BE CONSTRUCTED OF NO. 16 GAUGE STEEL EITHER GALVANIZED OR WITH A BAKED ENAMEL FINISH. DAMPERS SHALL HAVE BRASS, BRONZE OR APPROVED PLASTIC SLEEVE BEARINGS. BLADES SHALL BE NOT MORE THAN 12" IN WIDTH AND SHALL BE OPPOSED ACTING, AND THOSE FOR AUTOMATIC DAMPERS SHALL HAVE NEOPRENE BLADE EDGES AND STAINLESS STEEL JAMB SEALS. BLADES SHALL BE MOUNTED IN SUITABLE BAND OR ANGLE IRON FRAMES STRONGLY BRACED TO INSURE RIGIDITY.
4. EACH VOLUME DAMPER, UNLESS SPECIFIED FOR AUTOMATIC OPERATION, SHALL BE FITTED WITH AN ADJUSTING DEVICE HAVING A LOCKING MECHANISM. WHEREVER THE DUCTS ARE RENDERED INACCESSIBLE BEHIND NON-REMOVABLE CEILINGS OR FURRINGS, OR OTHER CONSTRUCTION THAT IS NOT EASILY REMOVABLE TO PERMIT ACCESS TO THE DUCTS, THE DEVICES SHALL BE EQUAL TO YOUNG REGULATOR CO. NO. 1200 RIGHT ANGLE WORM GEAR REGULATOR WITH 301 CONCEALED DAMPER REGULATOR. ON EXPOSED OR EASILY ACCESSIBLE DUCTS THE ADJUSTING DEVICES SHALL BE EQUAL TO YOUNG NO. 1 OR NO. 900 AND SHALL BE FASTENED TO THE DUCTS.
5. DAMPER RODS AND OPERATORS ON INSULATED DUCTS SHALL HAVE EXTENDED RODS AND STAND OFF BRACKETS.

F. **FLEXIBLE DUCT:**
1. FLEXIBLE DUCT SHALL BE A FACTORY FABRICATED ASSEMBLY CONSISTING OF AN INNER SLEEVE, INSULATION AND AN OUTER MOISTURE BARRIER. THE INNER SLEEVE SHALL BE CONSTRUCTED OF A CONTINUOUS VINYL-COATED HELICAL-WOUND SPRING STEEL WIRE HELIX FUSED TO A CONTINUOUS LAYER OF FIBER GLASS IMPREGNATED AND COATED WITH VINYL. FIBERGLASS WOOL SHALL ENCASE THE INNER SLEEVE AND BE SHEATED WITH AN OUTER ALUMINIZED VAPOR MOISTURE BARRIER. THE FLEXIBLE DUCT SHALL BE RATED FOR A MAXIMUM WORKING VELOCITY OF 4,000 FPM, SHALL HAVE A PRESSURE RATING OF 10 INCH WG POSITIVE AND 1 INCH WG NEGATIVE, SHALL HAVE A TEMPERATURE RANGE -10°F TO 160°F, SHALL HAVE A THERMAL RESISTANCE 6.0 SQ. FT. X H °F/BTU, AND SHALL BE LISTED BY THE UNDERWRITERS' LABORATORIES UNDER THEIR UL-181 STANDARDS AS A CLASS 1 DUCT AND SHALL COMPLY WITH NFPA STANDARD #90A.
2. FLEX DUCT SHALL NOT EXCEED 4'-0" IN LENGTH OR HAVE MORE THAN 90 DEGREE OF BEND. IF LONGER DUCT IS REQUIRED USE ROUND SHEET METAL DUCT WITH 2" THICK DUCT INSULATION TO MAKE-UP THE DIFFERENCE IN LENGTH.

G. **FLEXIBLE CONNECTIONS:**
1. PROVIDE SOUND ISOLATING FLEXIBLE CONNECTIONS BETWEEN CONNECTING DUCTS AND THE INLET AND OUTLET OF EACH FAN. THESE CONNECTIONS SHALL IN EACH CASE BE LONG ENOUGH TO PERMIT A MINIMUM SEPARATION OF 3" BETWEEN THE DUCT AND THE FAN OR UNIT HOUSING WITH AT LEAST 1" SLACK IN THE FLEXIBLE MATERIAL ITSELF.
2. FLEXIBLE CONNECTORS FOR INDOOR APPLICATION SHALL BE FIRE RESISTANT, WATERPROOF, AND MILDEW RESISTANT COATED NEOPRENE. FLEXIBLE CONNECTOR SHALL BE EQUAL TO DUCTMATE PROFLEX NEOPRENE.
3. FLEXIBLE CONNECTORS FOR OUTDOOR APPLICATION SHALL BE FIRE RESISTANT, WATERPROOF, MILDEW RESISTANT, AND U.V. RESISTANT HYPALON. FLEXIBLE CONNECTOR SHALL BE EQUAL TO DUCTMATE PROFLEX HYPALON.

H. **AIR DISTRIBUTION DEVICES:**
1. FURNISH AND INSTALL ALL GRILLES, REGISTERS, AND DIFFUSERS FOR EVERY PURPOSE. REFER TO THE TABULATION ON THE DRAWINGS FOR TYPES, SIZES AND ACCESSORIES.
2. ALL GRILLES, REGISTERS, AND DIFFUSERS LOCATED IN THE CEILING SHALL BE FACTORY FINISHED IN OFF-WHITE. ALL OTHER GRILLES AND REGISTERS SHALL BE FACTORY PRIMED AND SPRAY PAINTED 2 COATS ON THE JOB.
3. ALL GRILLES AND REGISTERS SHALL BE INSTALLED WITH TAMPERPROOF SCREWS AND SHALL BE SECURED TO THE DUCT WITH A MINIMUM OF FOUR SCREWS.
4. WHERE CEILING MOUNTED AIR DISTRIBUTION DEVICES ARE SHOWN AND REQUIRE A CEILING RADIATION DAMPER, THE GRILLE OR DIFFUSER SHALL BE CONSTRUCTED OF STEEL, ALUMINUM IS NOT ACCEPTABLE.
5. AIR DISTRIBUTION DEVICES AS MANUFACTURED BY NAILOR, TITUS, METAL-AIRE, OR KRUEGER WILL BE ACCEPTABLE.

I. **FLASHING:**
1. WHERE THE CONTRACTOR INSTALLS DUCTS OR PIPING THROUGH THE ROOF, HE SHALL FLASH AND COUNTERFLASH THEM INTO THE ROOF CONSTRUCTION TO THE SATISFACTION OF THE ARCHITECT. ALL SUCH FLASHING SHALL BE CONSTRUCTED OF COPPER BEARING GALVANIZED STEEL SHEETS.

HEATING VENTILATING AND AIR CONDITIONING SPECIFICATIONS

III. EXECUTION

A. **TESTING, ADJUSTING AND BALANCING MECHANICAL SYSTEMS:**
1. UPON COMPLETION OF THE INSTALLATION AND START UP OF THE MECHANICAL EQUIPMENT, CHECK, ADJUST AND BALANCE SYSTEMIC COMPONENTS TO OBTAIN OPTIMUM CONDITIONS IN EACH CONDITIONED SPACE TO THE BUILDING.
2. TAB SHALL BE DONE BY AN INDEPENDENT THIRD PARTY FIRM SPECIALIZING IN TAB.
3. PREPARE AND SUBMIT TO THE ARCHITECT COMPLETE REPORTS ON THE BALANCE AND OPERATION OF THE SYSTEM.
4. MAKE A TOTAL OF THREE INSPECTIONS WITHIN 90 DAYS AFTER OCCUPANCY OF THE BUILDING TO INSURE THAT SATISFACTORY CONDITIONS ARE BEING MAINTAINED THROUGHOUT AND TO SATISFY ANY UNUSUAL CONDITIONS.
5. MAKE INSPECTIONS IN THE BUILDING DURING THE OPPOSITE SEASON FROM THAT IN WHICH THE INITIAL ADJUSTMENTS WERE MADE AND AT THOSE TIMES MAKE ANY NECESSARY MODIFICATIONS TO THE INITIAL ADJUSTMENTS REQUIRED TO PRODUCE OPTIMUM OPERATION OF THE SYSTEMIC COMPONENTS, TO PRODUCE THE PROPER CONDITIONS IN EACH CONDITIONED SPACE.
6. DURING THE BALANCING, THE TEMPERATURE REGULATION SHALL BE ADJUSTED FOR PROPER RELATIONSHIP BETWEEN CONTROLLING INSTRUMENTS AND CALIBRATED BY THE CONTRACTOR.
7. BEFORE FINAL ACCEPTANCE IS MADE, FURNISH THE FOLLOWING DATA.
   a. A TABULATION OF THE SIMULTANEOUS TEMPERATURE OF ALL SPACES ON EACH SEPARATELY CONTROLLED ZONE, TOGETHER WITH THE OUTSIDE TEMPERATURE AT TIME OF MEASUREMENT. HOURLY FOR 8 HOURS ON A TYPICAL DESIGN DAY SELECTED BY THE ARCHITECT.
   b. A LISTING OF THE MEASURED AIR QUANTITIES AT EACH OUTLET CORRESPONDING TO THE TEMPERATURE TABULATION SPECIFIED ABOVE.
   c. AIR QUANTITIES AT EACH RETURN AND EXHAUST AIR HANDLING DEVICE.
   d. A TABULATION OF FULL LOAD AMP DRAW FOR EACH POWER CONSUMING DEVICE.
8. THE ABOVE DATA SHALL BE NEATLY ENTERED ON APPROPRIATE FORMS TOGETHER WITH ANY TYPED SUPPLEMENTS REQUIRED TO COMPLETELY DOCUMENT ALL RESULTS. WRITTEN EXPLANATIONS OF ANY ABNORMAL CONDITIONS SHALL BE INCLUDED. ALL THIS SHALL BE ASSEMBLED INTO A SUITABLE BROCHURE AND A TOTAL OF 4 COPIES SHALL BE PROVIDED.
9. WHEN OPPOSITE SEASON MODIFICATIONS ARE MADE, ADDITIONAL DATA SHEETS INDICATING NEW SETTINGS, READINGS, ETC., SHALL BE PREPARED AND SUBMITTED IN QUADRUPLICATE.

B. **INSTRUCTIONS:**
1. DURING THE TEST PERIODS INSTRUCT THE BUILDING OPERATING PERSONNEL IN THE OPERATION AND MAINTENANCE OF ALL EQUIPMENT.
2. DELIVER TO THE OWNER 3 COMPLETE INSTRUCTION MANUALS COVERING THE MAINTENANCE AND OPERATION OF THE SYSTEM COMPONENTS. PROVIDE COMPLETE DATA ON ALL EQUIPMENT INCLUDING FOR EACH ITEM A PARTS LIST AND THE NAME AND ADDRESS OF THE VENDOR WHERE REPLACEMENT PARTS CAN BE PURCHASED.

END OF SECTION

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PROFESSIONAL ENGINEER
Alanna Watts
07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	Issued For Construction

Mechanical Specifications

M-000

MECHANICAL SYMBOLS

AV	AUTOMATIC AIR VENT
MV	MANUAL AIR VENT
	P/T PLUG
	VENTURI FLOW METER
	AUTOMATIC FLOW CONTROL
	BUTTERFLY VALVE
	BALL VALVE
	CHECK VALVE
	GLOBE VALVE
	GATE VALVE
	ANGLE GATE VALVE
P	PRESSURE REDUCING VALVE
	AUTOMATIC VALVE, 2-WAY
	AUTOMATIC VALVE, 3-WAY
	FLANGE
	UNION
	STRAINER
M	GAS METER
	ELECTRIC MOTOR
	CENTRIFUGAL FAN
	THERMOMETER
	EXPANSION VALVE
FS	FLOW SWITCH
PS	PRESSURE SWITCH
	PUMP

MECHANICAL PIPING LEGEND

CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
CS	CONDENSATE WATER SUPPLY
CR	CONDENSATE WATER RETURN
CD	CONDENSATE DRAIN
R	REFRIGERANT LIQUID & SUCTION
	FLUID FLOW DIRECTION
	PIPE TURNED UP
	PIPE TURNED DOWN

DUCTWORK SYMBOLS

	MANUAL BALANCING DAMPER
	CEILING MOUNTED SUPPLY GRILLE
	CEILING MOUNTED RETURN GRILLE
	CEILING MOUNTED EXHAUST GRILLE
	WALL MOUNTED SUPPLY GRILLE
	WALL MOUNTED RETURN / EXHAUST GRILLE
FSD	FIRE / SMOKE DAMPER
FD	FIRE DAMPER
SD	SMOKE DAMPER
	LINED RETURN DUCT
	SUPPLY DUCT TURNED UP
	SUPPLY DUCT TURNED DOWN
	RETURN DUCT TURNED UP
	RETURN DUCT TURNED DOWN
	EXHAUST DUCT TURNED UP
	EXHAUST DUCT TURNED DOWN
	ROUND DUCT TURNED UP
	ROUND DUCT TURNED DOWN
T	THERMOSTAT
H	HUMIDISTAT
S	SENSOR
	FLEXIBLE CONNECTION
	FLEX DUCT
	CONNECT TO EXISTING
P.O.D	POINT OF DISCONNECT

MECHANICAL ABBREVIATIONS

A
A/C AIR CONDITIONING
AVG AVERAGE
AFF ABOVE FINISHED FLOOR

B
BOJ BOTTOM OF JOIST
BTUH BRITISH THERMAL UNIT PER HOUR
MBU BRITISH THERMAL UNIT DIVIDED BY 1,000

C
CFM CUBIC FEET PER MINUTE
CHR CHILLED WATER RETURN PIPING
CHS CHILLED WATER SUPPLY PIPING

D
DEG DEGREE
°F DEGREES FAHRENHEIT
DIA DIAMETER
ID DIAMETER, INSIDE
OD DIAMETER, OUTSIDE
DDC DIRECT DIGITAL CONTROLS
DB DRY BULB TEMPERATURE

E
EER ENERGY EFFICIENCY RATIO
EAT ENTERING AIR TEMPERATURE
EWT ENTERING WATER TEMPERATURE
EA EXHAUST AIR
ESP EXTERNAL STATIC PRESSURE

F
FT FEET
FPI FINS PER INCH
FD FIRE DAMPER
FSD FIRE/SMOKE DAMPER
FO FLAT OVAL

G
GAL GALLONS
GPH GALLONS PER HOUR
GPM GALLONS PER MINUTE
GBD GRAVITY BACKDRAFT DAMPER

H
HWP HEATING WATER PUMP
HWR HEATING WATER RETURN PIPING
HWS HEATING WATER SUPPLY PIPING
HP HORSEPOWER

I
IN INCHES
inHG INCHES OF MERCURY
inH2O INCHES OF WATER
IAQ INDOOR AIR QUALITY

J
NOT USED

K
kW KILOWATT

L
LAT LEAVING AIR TEMPERATURES
LWT LEAVING WATER TEMPERATURES

M
MBD MANUAL BALANCING DAMPER
MAT MIXED AIR TEMPERATURE

N
NC NORMALLY CLOSED
NO NORMALLY OPEN

O
OA OUTSIDE AIR
OAT OUTSIDE AIR TEMPERATURE

P
PH PHASE
LBS POUNDS
LBS/HR POUNDS PER HOUR
PSI POUNDS PER SQUARE INCH
PRV PRESSURE REDUCED VALVE

Q
NOT USED

R
RL REFRIGERANT LIQUID
RS REFRIGERANT SUCTION
RPZ REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY
RH RELATIVE HUMIDITY
RA RELIEF AIR
RPM REVOLUTIONS PER MINUTE

S
SEER SEASONAL ENERGY EFFICIENCY RATIO
SH SENSIBLE HEAT
SHR SENSIBLE HEAT RATIO
SD SMOKE DAMPER
SQ.FT. SQUARE FEET
SP STATIC PRESSURE

T
T&P TEMPERATURE AND PRESSURE VALVE
k THERMAL CONDUCTIVITY
R THERMAL RESISTANCE
TOJ TOP OF JOIST
TDH TOTAL DYNAMIC HEAD
TSP TOTAL STATIC PRESSURE

U
UF UNDERFLOOR
UG UNDERGROUND
U U-FACTOR, HEAT TRANSFER COEFFICIENT

V
VAV VARIABLE AIR VOLUME
VFD VARIABLE FREQUENCY DRIVE
VEL VELOCITY
V VOLTS

W
WB WET BULB TEMPERATURE

X
NOT USED

Y
NOT USED

Z
NOT USED

GENERAL NOTES

1. GENERAL NOTES ON THIS SHEET ARE APPLICABLE TO EACH MECHANICAL DRAWING OF THIS SET OF CONSTRUCTION DOCUMENTS. NOTES SPECIFIC TO INDIVIDUAL MECHANICAL DRAWINGS WILL BE SHOWN ON THE RESPECTIVE MECHANICAL DRAWING.
2. THE CONTRACTOR SHALL PROVIDE A COMPLETE HVAC SYSTEM TO INCLUDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL SYSTEM INCLUDING ALL NECESSARY APPURTENANCES CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED OUT.
3. ENTIRE INSTALLATION, INCLUDING MATERIALS, EQUIPMENT AND WORKMANSHIP SHALL CONFORM WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS.
4. THIS PROJECT SHALL CONFORM TO APPLICABLE ASHRAE, NFPA AND SMACNA STANDARDS AND OTHER REGULATORY BODIES HAVING JURISDICTION OVER THE CLASS OF WORK.
5. MATERIAL AND EQUIPMENT SHALL HAVE STAMPS OR SEALS OF AHRI, ASME, UL OR ASTM.
6. THE CONTRACTOR SHALL MAKE TESTS FOR ACCEPTANCE AND APPROVAL AS REQUIRED BY CODE AND THE REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES. REQUIRED TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OF RECORD AND/OR OWNER UNLESS OTHERWISE WAIVED IN WRITING.
7. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, DOCUMENTS AND SERVICES RELATED TO INSTALLATION OF THE WORK.
8. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES IN ORDER TO RESOLVE ANY CONFLICTS THAT MIGHT ARISE DUE TO THE LOCATION OF EQUIPMENT OR THE USE OF SPACE.
9. EQUIPMENT OF DIFFERENT ELECTRICAL CHARACTERISTICS MAY BE FURNISHED PROVIDED SUCH PROPOSED EQUIPMENT IS APPROVED IN WRITING AND CONNECTING ELECTRICAL SERVICE, CIRCUIT BREAKERS AND CONDUIT ARE APPROPRIATELY MODIFIED AT NO COST TO THE OWNER.
10. RUN ALL HORIZONTAL PIPING AND DUCTWORK ABOVE THE CEILING UNLESS OTHERWISE NOTED.
11. MAKE DUCT PENETRATIONS OF ALL WALLS WITH SHEET METAL DUCTS. FLEXIBLE DUCT PENETRATION OF WALLS ARE NOT ACCEPTABLE.
12. INSTALL TURNING VANES WHERE SHOWN ON PLANS.
13. DO NOT INSTALL EQUIPMENT, PIPING OR DUCTWORK OVER ANY ELECTRICAL EQUIPMENT OR ELECTRICAL SERVICE SPACE.
14. LAYOUT OF PIPING AND DUCTWORK IS DIAGRAMMATIC. RUN ALL EXPOSED PIPING AND DUCTWORK AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. ALLOW FOR RISES, DROPS AND OFFSETS AS REQUIRED.
15. INSTALL MECHANICAL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE AND REPAIR OR REPLACEMENT OF ELECTRICAL COMPONENTS. AS MUCH AS PRACTICAL, CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH A MINIMUM OF INTERFERENCE WITH OTHER INSTALLATIONS, PIPING SHALL NOT INTERFERE WITH FILTER PULL.
16. MECHANICAL CONTRACTORS SHALL PROVIDE AUTOMATIC CONTROL DEVICES SUCH AS STARTERS, VARIABLE FREQUENCY DRIVES (VFD), TEMPERATURE SENSORS, RELAYS, PRESSURE SWITCHES THAT ARE ASSOCIATED WITH MECHANICAL EQUIPMENT AND ASSOCIATED CONTROL WIRING FROM CONTROL POWER LOCATION TO THE CONTROL DEVICE/ ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING FROM POWER SOURCE TO DISCONNECT SWITCH, FROM DISCONNECT SWITCH TO STARTER OR VFD, AND FROM STARTER OR VFD TO THE EQUIPMENT.
17. FLASHING DETAILS FOR PIPES PENETRATING THE ROOF SHALL BE COORDINATED WITH ARCHITECTURE DETAILS.
18. LOCATE TEMPERATURE SENSORS AND CO2 SENSORS 48" ABOVE FINISHED FLOOR OR AS NOTED ON PLANS.
19. COORDINATE CURBS AND SIZE OF CURBS IN ACCORDANCE WITH ACTUAL EQUIPMENT PURCHASED.
20. CONTRACTOR IS TO PROVIDE AN ADJUSTABLE ROOF CURB OR TAPER AT CURB TO MATCH ROOF SLOPE FOR CURB MOUNTED EQUIPMENT. THE USE OF SHIMS TO LEVEL EQUIPMENT IS NOT ACCEPTABLE UNLESS THE CURB DIMENSIONS ARE SMALLER THAN 36"x36".
21. CONTRACTOR TO VERIFY ALL ACCESS PANEL LOCATIONS. NOT ALL ACCESS PANELS REQUIRED ARE SHOWN. REFER TO SPECIFICATIONS FOR ACCESS PANEL REQUIREMENTS.
22. CONTRACTOR SHALL INSTALL ALL PLUMBING VENTS AND EXHAUST AIR OUTLETS A MINIMUM OF 25'-0" AWAY (PER CODE) FROM ALL OUTSIDE AIR INTAKES, OPERABLE DOORS AND/ OR WINDOWS. CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC BY NATURE, FINAL MEASUREMENTS SHOULD BE MADE AT THE PROJECT SITE.
23. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

PROJECT DESIGN INFORMATION

HVAC DATA		
PROJECT LOCATION:		AMARILLO, TX
DESIGN CODE:		IMC - 2021/IECC - 2015
ELEVATION (FT):		3,595
HVAC DESIGN CONDITIONS		
	WINTER OUTDOOR (DB/WB):	10.8°F/6.5°F
	WINTER INDOOR (DB/WB):	70°F/62.0°F
	SUMMER OUTDOOR (DB/WB):	98.8°F/65.6°F
	SUMMER INDOOR (DB/WB):	75°F/62.5°F
	INDOOR RELATIVE HUMIDITY:	50%
	DEHUMDIFICATION OUTDOOR (DB/WB):	75.5°F/69.6°F
ELECTRICAL SERVICE:		460V/3PH
PLUMBING DATA		
DESIGN CODE		IPC - 2021/IFGC - 2021

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07/29/2024

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	Issued For Construction

Mechanical Symbols, Legends & Abbreviations

M-001

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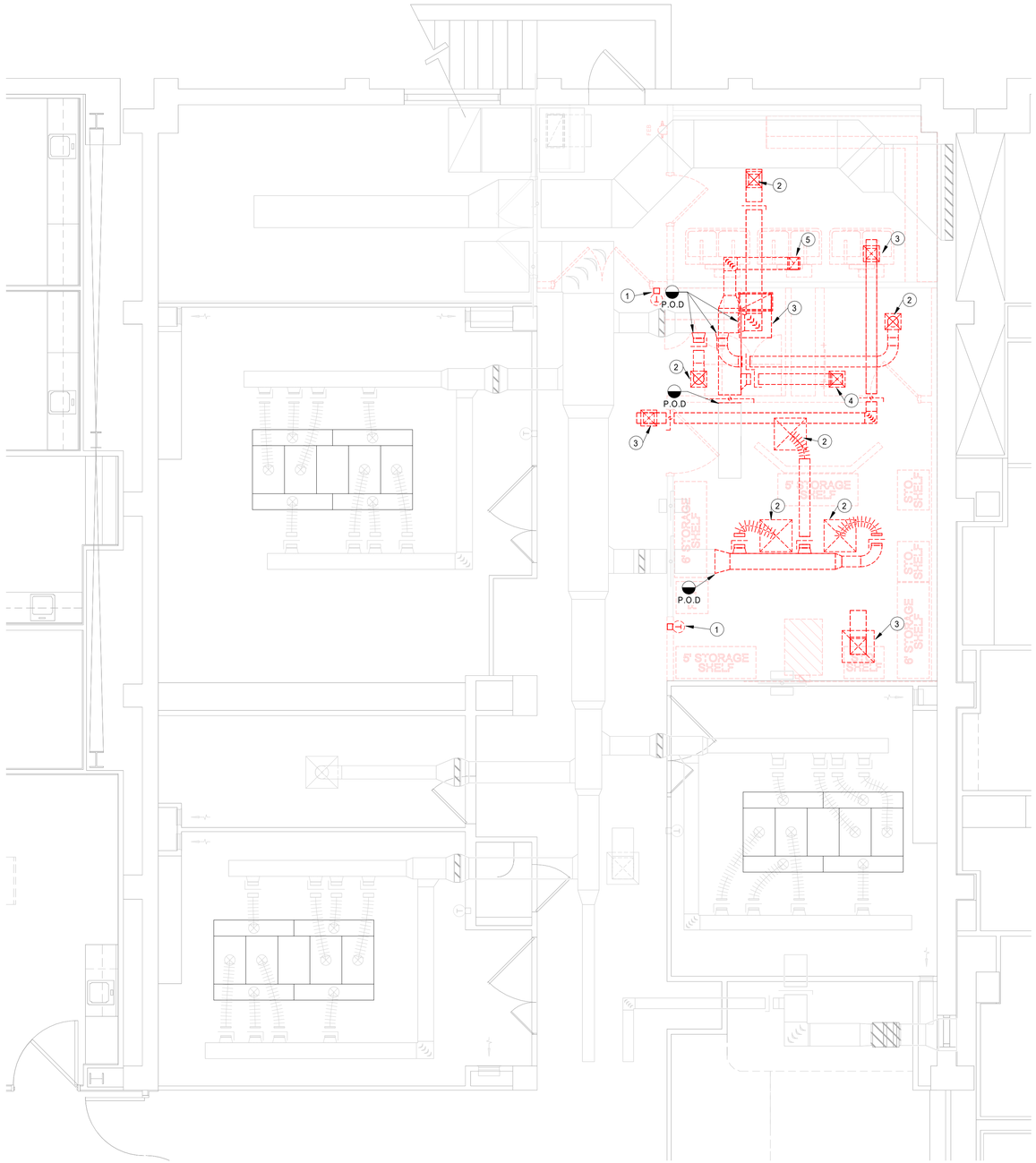
GENERAL NOTES

A. REFER TO GENERAL NOTES ON M-001.



A2 MECHANICAL DEMOLITION PLAN
1/4" = 1'-0"

NORTH

KEY NOTES

AS INDICATED BY: (#)

1 RELOCATE EXISTING PNEUMATIC THERMOSTAT OR REPLACE WITH NEW PNEUMATIC THERMOSTAT.
2 REMOVE EXISTING SUPPLY AIR GRILLE AND ASSOCIATED DUCTWORK TO POINT OF DISCONNECT.
3 REMOVE EXISTING RETURN AIR GRILLE AND ASSOCIATED DUCTWORK.
4 REMOVE EXISTING EXHAUST AIR GRILLE AND ASSOCIATED DUCTWORK TO POINT OF DISCONNECT.
5 REMOVE EXISTING EXHAUST HOOD AND ASSOCIATED DUCTWORK TO POINT OF DISCONNECT.

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BSA GI Lab Renovation

Interior Updates

BSA HEALTH SYSTEM

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PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	Issued For Construction

Mechanical Demolition Plan - First Floor

M-101

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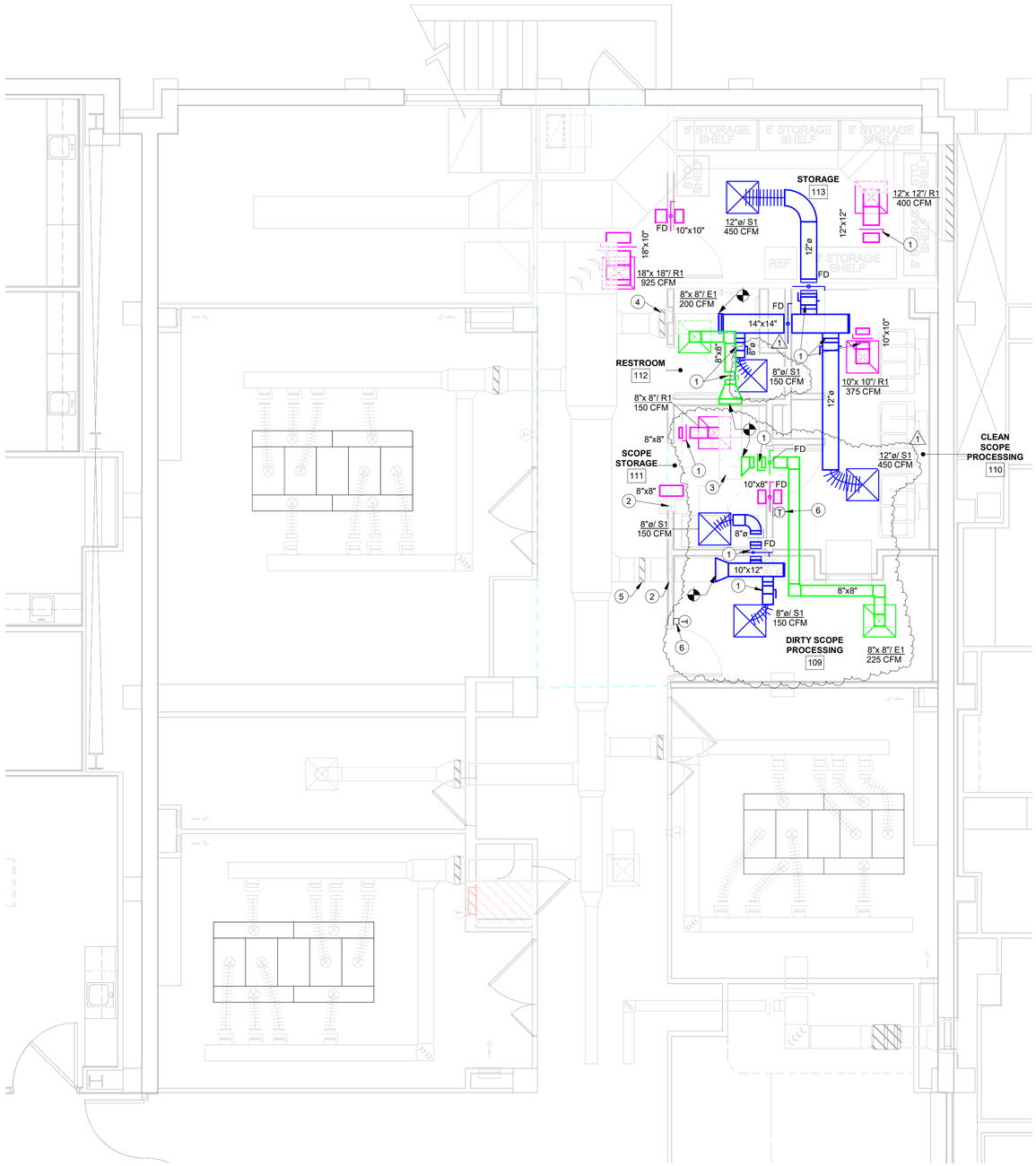
AIR DISTRIBUTION SCHEDULE

SYMBOL	SYSTEM TYPE	DESCRIPTION	INSTALLATION TYPE	MANUFACTURER	MODEL NO.
S1	SUPPLY	ALL STEEL, 24" x 24" NOMINAL FACE, FIXED AIR PATTERN, STEPPED WITH 4-CONES, SQUARE FACE AND ROUND NECK. SIZE NECK AS SHOWN ON DRAWINGS.	LAY-IN/SURFACE MOUNT	NAILOR	RNS
R1	RETURN	EGGCRATE RETURN GRILLE, 24"x 24" NOMINAL FACE, STEEL BORDER WITH ALUMINUM 1/2"x1/2"x1/2" CORE. SIZE NECK AS SHOWN ON DRAWINGS.	LAY-IN/SURFACE MOUNT	NAILOR	61EC
E1	EXHAUST	EGGCRATE EXHAUST GRILLE, 24"x 24" NOMINAL FACE, ALL ALUMINUM 1/2" x 1/2" x 1/2" CORE. SIZE NECK AS SHOWN ON DRAWINGS.	LAY-IN/SURFACE MOUNT	NAILOR	51EC

1. AIR DEVICES SCHEDULED TO BE MANUFACTURED BY NAILOR. PRICE, TITUS, AND RUSKIN ARE CONSIDERED EQUIVALENT MANUFACTURERS.
2. UNLESS SCHEDULED OTHERWISE, AIR DEVICES SHALL BE WHITE OR OFF-WHITE IN COLOR.
3. ALL JOISTS, CONDUITS, PIPING AND EQUIPMENT ABOVE OPEN RETURN DEVICES SHALL BE PAINTED BLACK FOR AN AREA OF 2 FEET ON ALL SIDES OF THE AIR DEVICE.
4. PROVIDE MANUAL BALANCING DAMPERS AT EACH SUPPLY AND EXHAUST AIR DUCT TAP, INSTALL MBD AT MAIN DUCT TAP.
5. PROVIDE INSULATING BLANKET ON BACK OF THE SUPPLY AND RETURN GRILLES.
6. CONTRACTOR TO PROVIDE MANUAL BALANCING DAMPER IN RETURN AIR BOOT DUCT TO OBTAIN PROPER ROOM PRESSURE BALANCE FOR EACH RESPECTIVE ROOM.



A2 MECHANICAL PLAN
1/4" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO GENERAL NOTES ON M-001.

KEY NOTES

AS INDICATED BY: (#)

1 FOR EACH MBD LOCATED ABOVE A NON-ACCESSIBLE CEILING OR MOUNT WHERE ACCESS FROM A LADDER IS NOT POSSIBLE, PROVIDE A YOUNGS REGULATOR "BOWDEN" CABLE RACK AND PINION REGULATOR CONTROLS. PROVIDE STAINLESS STEEL COVER PLATES OVER EACH CEILING PLATE AND PROVIDE OWNER WITH A MINIMUM OF FIVE CONTROLS WRENCHES FROM THE MANUFACTURER FOR THE DAMPER ADJUSTMENT.

2 EXISTING FIRE DAMPER TO BE LOCKED OPEN AS FIRE RATING FOR WALL HAS BEEN REMOVED.

3 CONTRACTOR TO FIELD VERIFY THAT EXISTING 17"x6" EXHAUST DUCTWORK IS STILL LOCATED IN THIS APPROXIMATE LOCATION ABOVE THE CEILING. EXHAUST DUCTWORK PREVIOUSLY SERVED REMVOED EXHAUST HOODS. SHOULD EXHAUST DUCTWORK NOT EXIST, CONTRACTOR TO SUBMIT A CCR WITH THE CLOSETS EXHAUST DUCTWORK LOCATIONS PROVIDED, OR AN ALTERNATE PATH FOR THE EXHAUST TO EXIT THE AREA.

4 EXISTING 21"X15" REHEAT COIL TO REMAIN.

5 EXISTING 18"X15" REHEAT COIL TO REMAIN.

6 RELOCATE EXISTING PNEUAMATIC THEREMOSTAT OR REPLACE THERMOSTAT IN NEW LOCATION AS SHOWN.

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09/02/2025

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BSA GI Lab Renovation
Interior Updates

BSA HEALTH SYSTEM

CLIENT
BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
1	09/02/2025	ADD-001
-	07/29/2024	Issued For Construction

Mechanical Plan - First Floor
M-111

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ELECTRICAL ABBREVIATIONS

#	
1	SINGLE PHASE
3	THREE PHASE
A	
AAP	ALARM ANNUNCIATOR PANEL
AC	ABOVE COUNTER ALTERNATING CURRENT
ACP	AUTOMATIC CONTROL PANEL
ADC	AUTOMATIC DOOR CLOSER
AF	AUDIO FREQUENCY
AFC	AUTOMATIC FREQUENCY CONTROL
AH	AMPHOUR
AIC	AMPERE INTERRUPTING CAPACITY
ALM	ALARM
AMP	AMPERE
AMPL	AMPLIFIER
ANN	ANNUNCIATOR
ANT	ANTENNA
APU	AUXILIARY POWER UNIT
ARMC	ARMORED CABLE
ASC	AMPS SHORT CIRCUIT
ASWG	AMERICAN STEEL WIRE GAUGE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO XFMR	AUTO TRANSFORMER
AUX	AUXILIARY
AV	AUDIO VISUAL
B	
BAS	BUILDING AUTOMATION SYSTEM
BAT	BATTERY
BB XFMR	BUCK-BOOST TRANSFORMER
BHP	BRAKE HORSEPOWER
BKBD	BACKBOARD
BLST	BALLAST
BP	CANDLE POWER
C	
C	CONDUIT
CC	CONTROL CONTRACTOR
CAP	CAPACITOR
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CG	COMMON GROUND
CKT	CIRCUIT
CLF	CURRENT LIMITING FUSE
COAX	COAXIAL CABLE
COMM	COMMUNICATIONS
COORD	COORDINATE
COV PL	COVER PLATE
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CRI	COLOR RENDERING INDEX
CS	CONTROL SWITCH
CT	CURRENT TRANSFORMER
CTRL	CONTROL
CTV	CABLE TELEVISION
CU	COEFFICIENT OF UTILIZATION COPPER
CUR	CURRENT
D	
dB	DECIBEL
DC	DIRECT CURRENT
DEMO	DEMOLITION
DET	DETAIL
DPDT	DOUBLE POLE, DOUBLE THROW
DPST	DOUBLE POLE, SINGLE THROW
DS	DISCONNECT SWITCH
E	
EA	EACH
ELEC	ELECTRIC
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NONMETALLIC TUBING
ENCL	ENCLOSURE
ESMT	EASEMENT
F	
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLUOR	FLUORESCENT
FLUOR FIXT	FLUORESCENT FIXTURE
FLUOR LGHT	FLUORESCENT LIGHT
FMC	FLEXIBLE METALLIC CONDUIT
FREQ	FREQUENCY
G	
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
H	
HD	HEAVY DUTY
HO	HIGH OUTPUT
HP	HORSEPOWER
HV	HIGH VOLTAGE
I	
IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
IMC	INTERMEDIATE METAL CONDUIT
J	
NOT USED	
K	
kW	KILOWATT
kWH	KILOWATT HOUR
kV	KILOVOLT
kVA	KILOVOLT AMP
L	
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
LM	LUMEN
LPW	LUMENS PER WATT
LV	LOW VOLTAGE
M	
MCA	MAIN CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MS	MOTOR STARTER
N	
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NL	NIGHT LIGHT
NO	NORMALLY OPEN
O	
NOT USED	
P	
PA	POWER AMPLIFIER
PB	PANELBOARD
PE	PHOTOELECTRIC
PEC	PHOTOELECTRIC CELL
PF	POWER FACTOR
PVC	POLY VINYL CHLORIDE
PWR	POWER
Q	
NOT USED	
R	
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RNC	RIGID NONMETALLIC CONDUIT
S	
SCH	SCHEDULE
SE	SERVICE ENTRANCE
SPDT	SINGLE POLE, DOUBLE THROW
SPST	SINGLE POLE, SINGLE THROW
SWBD	SWITCHBOARD
T	
TSP	TWISTED SHIELDED PAIR
U	
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	
V	VOLT(S) VOLTAGE
VA	VOLT AMPERE
VD	VOLTAGE DROP
VFD	VARIABLE FREQUENCY DRIVE
VHO	VERY HIGH OUTPUT
W	
WP	WEATHERPROOF
WW	WIREWAY
X	
NOT USED	
Y	
NOT USED	
Z	
NOT USED	

ELECTRICAL MISC SYMBOLS

$	WALL SWITCH, REFER TO LIGHTING CONTROL MATRIX SCHEDULE FOR ALL CONTROL REQUIREMENTS.
	125V, 20A, 2P, 3W. GROUNDING TYPE DUPLEX RECEPTACLE. "GFCI" DENOTES GROUND FAULT INTERRUPTER, "WP" DENOTES WEATHERPROOF COVER, "AC" DENOTES ABOVE COUNTER MOUNTING, "USB" DENOTES COMBINATION USB DEVICE.
	125V, 20A, 2P, 3W. GROUNDING TYPE EMERGENCY DUPLEX RECEPTACLE. "GFCI" DENOTES GROUND FAULT INTERRUPTER, "WP" DENOTES WEATHERPROOF COVER, "AC" DENOTES ABOVE COUNTER MOUNTING.
	DISCONNECT. AMPERAGE, POLES, AND FUSING AS NOTED.
	CONDUCTORS IN CONDUIT. MINIMUM NUMBER IS (2) #12 AWG + #12 GND. PROVIDE NUMBER OF CONDUCTORS AS REQUIRED FOR SWITCHING INDICATED AND CONTINUING CIRCUITS.
	HOMERUN TO PANELBOARD. REFER TO SPECIFICATIONS FOR LIMITING NUMBER OF CONDUCTORS PER HOMERUN.
	EXISTING SURFACE MOUNTED SINGLE SECTION PANELBOARD. LABEL INDICATES PANEL NAME. REFER TO PANEL SCHEDULE AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
	EXISTING RECESSED MOUNTED SINGLE SECTION PANELBOARD. LABEL INDICATES PANEL NAME. REFER TO PANEL SCHEDULE AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
▽	DATA OUTLET.

ELECTRICAL LIGHTING SYMBOLS

	2'x4' RECESSED LIGHT FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	2'x4' RECESSED LIGHT FIXTURE. DIAGONAL MARKING INDICATES EGRESS FIXTURE CONNECTED TO EMERGENCY POWER SUPPLY. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	2'x2' RECESSED LIGHT FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	2'x2' RECESSED LIGHT FIXTURE. DIAGONAL MARKING INDICATES EGRESS FIXTURE CONNECTED TO EMERGENCY POWER SUPPLY. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	RECESSED COMPACT FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	RECESSED COMPACT FIXTURE. DIAGONAL MARKING INDICATES EGRESS FIXTURE CONNECTED TO EMERGENCY POWER SUPPLY. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	EXIT SIGN AS SCHEDULED. CONNECTED TO EMERGENCY LIGHTING POWER SUPPLY. ARROWS INDICATE DIRECTIONAL ARROWS. PROVIDE SINGLE OR DOUBLE FACE AS REQUIRED OR INDICATED. UPPER CASE INDICATES TYPE IN SCHEDULE. "WG" INDICATES WIRE GUARD.

FIRE ALARM SYMBOLS

	ADDRESSABLE FIRE ALARM PULL STATION.
	FIRE ALARM STROBE UNIT DEVICE. "WG" INDICATES WIRE GUARD.
	FIRE ALARM COMBINATION SPEAKER/STROBE UNIT DEVICE. "WG" INDICATES WIRE GUARD.

LIGHTING CONTROL SEQUENCE MATRIX

DESIGNATION	TYPICAL SPACES	DIMMING	NETWORKED	OCCUPANCY (AUTO ON)	OCCUPANCY (VACANCY)	STAND ALONE	TIME CLOCK	WIRELESS	DESCRIPTION OF LIGHTING CONTROL DEVICES WITHIN SPACE
D	•WORK ROOMS	Yes	No	No	Yes	Yes	No	No	•WALL STATION WITH ON/OFF AND 0-10V DIMMING CAPABILITIES. PROVIDE CONNECTION FOR CONTROL OF LIGHTING THROUGH MULTIPLE SWITCH LOCATIONS. •CEILING MOUNTED OCCUPANCY (VACANCY) SENSOR SHALL TURN ALL LUMINAIRES OFF AFTER TIMEOUT (20 MIN.) EXPIRES.
I/O	•CORRIDOR	No	No	Yes	No	Yes	Yes	No	•ON/OFF WALL SWITCH, PROVIDE CONNECTIONS REQUIRED FOR CONTROL OF LIGHTING THROUGH MULTIPLE SWITCH LOCATIONS. •CEILING MOUNTED OCCUPANCY (AUTO "ON") SENSOR SHALL TURN ALL LUMINAIRES OFF AFTER TIMEOUT (20 MIN.) EXPIRES. SHALL AUTOMATICALLY TURN ALL LUMINARES ON TO 100% UPON DETECTION OF MAJOR OR MINOR MOTION. •THIS AREA WILL BE PROGRAMMED WITH TIME CONTROL TO ALLOW FIXTURES TO STAY ON DURING OCCUPIED TIMES (COORDINATE OCCUPIED TIMES AND PROGRAMMING WITH OWNER). LIGHT SWITCH SHALL WLLOW FOR OVERRIDE OF OCCUPANCY SENSORS, PHOTOCELLS, AND TIME PROGRAM.
OS	•SMALL RESTROOMS •SMALL STORAGE ROOMS	No	No	No	Yes	Yes	No	No	•ON/OFF WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR. INTEGRAL OCCUPANCY SENSOR SHALL TURN ALL LUMINAIRES OFF AFTER (20 MIN.) EXPIRES. •(NETWORK CONTROLS NOT REQUIRED. STAND-ALONE CONTROLS ONLY FOR THIS SPACE.)

NOTES:

A. REFER TO PLANS FOR LIGHTING DEVICE LOCATIONS AND OTHER INFORMATION.
B. SYMBOLS PROVIDED IN EACH SPACE (INDICATED IN THE LIGHTING CONTROLS SEQUENCE MATRIX SCHEDULE) ARE INTENDED TO DENOTE THE TYPES OF CONTROLS REQUIRED FOR EACH ASSOCIATED SPACES. THE SWITCH SYSMBOLS DENOTE REQUIRED LOCATIONS FOR THE CONTROL DEVICES IN EACH ASSOCIATED SPACE.
C. PROVIDE NUMBER OF RELAY PACKS, DIMMING RELAY PACKS, OCCUPANCY SENSORS AND PHOTOCELLS FOR COMPLETE AND PROPER OPERATION OF THE LIGHTING SYSTEM.

LIGHTING FIXTURE SCHEDULE

TYPE	ELECTRICAL DATA	MANUFACTURER	MODEL	LAMP	DESCRIPTION
A	277 V/1-22 VA	LITHONIA	2SRTL-G-L48-3000LM-OAW-AFL-MVOLT-EZ1-40K -80CRI-DWAM	LED	2X4 ANTIMICROBIAL LED TROFFER WITH 3000 LUMENS AND 0-10V DIMMING DOWN TO 1%.
AE	277 V/1-22 VA	LITHONIA	2SRTL-G-L48-3000LM-OAW-AFL-MVOLT-EZ1-40K -80CRI-E10WLCP-DWAM	LED	SAME AS TYPE A EXCEPT WITH EMERGENCY BATERY PACK.
B	277 V/1-24 VA	LITHONIA	2SRTL-G-L24-3000LM-OAW-AFL-MVOLT-EZ1-40K -80CRI-DWAM	LED	2X2 ANTIMICROBIAL LED TROFFER WITH 3000 LUMENS AND 0-10V DIMMING DOWN TO 1%.
B2	277 V/1-18 VA	LITHONIA	2GTL-2-20L-EZ1-LP840	LED	2X4 LED TROFFER WITH 2000 LUMENS AND 0-10V DIMMING DOWN TO 1%.
BE	277 V/1-24 VA	LITHONIA	2SRTL-G-L24-3000LM-OAW-AFL-MVOLT-EZ1-40K -80CRI-IE10WLCP-DWAM	LED	SAME AS TYPE B EXCEPT WITH EMERGENCY BATTERY PACK.
C	277 V/1-18 VA	LITHONIA	LDN6-40/15-LO6AR-LSS-TRW-MVOLT-GZ1	LED	RECESSED CAN LIGHT WITH 1500 LUMENS AND DIMMING DOWN TO 1%
C2	277 V/1-6 VA	LITHONIA	LDN6-40/05-LO6AR-LSS-TRW-MVOLT-GZ1	LED	RECESSED CAN LIGHT WITH 500 LUMENS AND DIMMING DOWN TO 1%
X	277 V/1-7 VA	LITHONIA	LQC-R-ELN		EXIT SIGN WITH BRUSHED ALUMINUM, WITH RED LETTERING AND 120/277 NICKEL CADMIUM BATTERY PACK

ELECTRICAL SPECIFICATIONS

CODE COMPLIANCE/WORKMANSHIP
1. CONTRACTOR SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ACCEPTED GOOD PRACTICE.
2. ALL WORK SHALL BE PERFORMED BY LICENSED AND QUALIFIED PERSONNEL.

EXISTING CONDITIONS
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BID. BY SUBMITTING BID, CONTRACTOR STATES THAT HE HAS EXAMINED ALL EXISTING CONDITIONS. IF CONTRACTOR ENCOUNTERS EXISTING CONDITIONS WHICH NEED CLARIFICATION, CONTACT ENGINEER FOR RESOLUTION OR CLARIFICATION.

PERMITS AND FEES
1. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES AND CHARGES REQUIRED (INCLUDING UTILITY COMPANY CHARGES).

GUARANTEE AND WARRANTIES
1. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL HAVE ONE (1) YEAR WRITTEN GUARANTEE FOR ALL MATERIALS AND WORKMANSHIP.

MATERIALS
1. ALL MATERIALS SHALL BE NEW AND SPECIFICATION GRADE.

OWNERS MANUAL
1. AT COMPLETION OF PROJECT, CONTRACTOR SHALL DELIVER TO OWNER ALL DOCUMENTS (INCLUDING BUILDING PERMITS, OPERATION AND MAINTENANCE MANUALS, WARRANTY ETC.).

CONDUIT
1. ALL INTERIOR CONDUIT SHALL BE EMT. ALL EXTERIOR AND ABOVE GRADE CONDUIT SHALL BE RIGID GALVANIZED STEEL. ALL UNDERGROUND SERVICE ENTRANCE CONDUITSHALL BE PVC-COATED STEEL OR CONCRETE ENCASED SCHEDULE 40 PVC. MINIMUM SIZE OF CONDUIT SHALL BE 3/4". ALL CONDUIT SHALL BE ROUTED PERPENDICULAR TO BUILDING LINES WHERE EXPOSED TO VIEW.

WIRE
1. ALL WIRE SHALL BE THHN/THWN COPPER UNLESS OTHERWISE INDICATED ON THE DRAWINGS. MINIMUM SIZE OF WIRE SHALL BE #12. FOR 20A CIRCUITS LONGER THAN 100', MINIMUM WIRE SIZE SHALL BE #10 AWG.

SWITCHES
1. ALL SWITCHES SHALL BE SPECIFICATION GRADE (HUBBELL 1221 OR APPROVED EQUAL). COLOR OF ALL SWITCHES AND COVERPLATES SHALL BE WHITE. MOUNTING HEIGHT OF ALL SWITCHES SHALL COMPLY WITH A.D.A. REQUIREMENTS.

RECEPTACLES
1. ALL RECEPTACLES SHALL BE HOSPITAL SPECIFICATION GRADE (HUBBELL 8200HB OR APPROVED EQUAL). COLOR OF ALL RECEPTACLES AND COVERPLATES SHALL BE WHITE FOR NORMAL CIRCUIT AND RED FOR EMERGENCY CIRCUITS. MOUNTING HEIGHT OF RECEPTACLES SHALL COMPLY WITH A.D.A. REQUIREMENTS UNLESS SPECIFIC OR SPECIAL MOUNTING HEIGHT IS SHOWN ON DRAWINGS OR REQUIRED BY EQUIPMENT.

FIRE ALARM
1. ALL FIRE ALARM WORK SHALL BE INSTALLED BY A LICENSED FIRE ALARM INSTALLER IN THE STATE OF TEXAS. IT SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PROVIDE FOR ALL NECESSARY SUBMITTALS, EQUIPMENT, AND PERMITING AS REQUIRED. PROVIDE 120V POWER FOR ALL FIRE ALARM COMPONENTS.

LIGHTING FIXTURES
1. LIGHTING FIXTURES SHALL BE AS SCHEDULED ON THE DRAWINGS. FIXTURES SHALL BE COMPLETE WITH ALL LAMPS.
2. REFER TO THE DRAWINGS FOR MOUNTING RESTRICTIONS.

SUBMITTALS AND SUBSTITUTIONS
1. CONTRACTOR SHALL FURNISH SUBMITTAL DATA TO ENGINEER FOR APPROVAL ON ALL FIXTURES AND EQUIPMENT PRIOR TO ORDERING ANY ITEMS. CONTRACTOR MAY OFFER SUBSTITUTIONS ON ITEMS FOR APPROVAL BY ENGINEER. SUBSTITUTIONS MUST BE EQUAL IN ALL RESPECTS TO ITEMS SCHEDULED OR SPECIFIED.

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Interior Updates

BSA HEALTH SYSTEM

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BSA Health System

1600 Wallace Blvd, Amarillo, TX 79106

PROJECT NO.
43007.24

KEY PLAN

#	DATE	DESCRIPTION
-	07/29/2024	ISSUED FOR CONSTRUCTION

Electrical Symbols, Legends & Abbreviations

E-001

KEY NOTES

AS INDICATED BY: (#)

1. EXISTING 120/208V, 3Φ, 4W CRITICAL BRANCH PANEL ESDA.
2. EXISTING 120/208V, 3Φ, 4W NORMAL BRANCH PANEL B1C.

1 Electrical Plan - Overall
3/16" = 1'-0"

0 1' 2' 4' 8' 12'

NORTH

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1	09/02/2025	ADD-001
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Electrical Plan - Overall

E-100

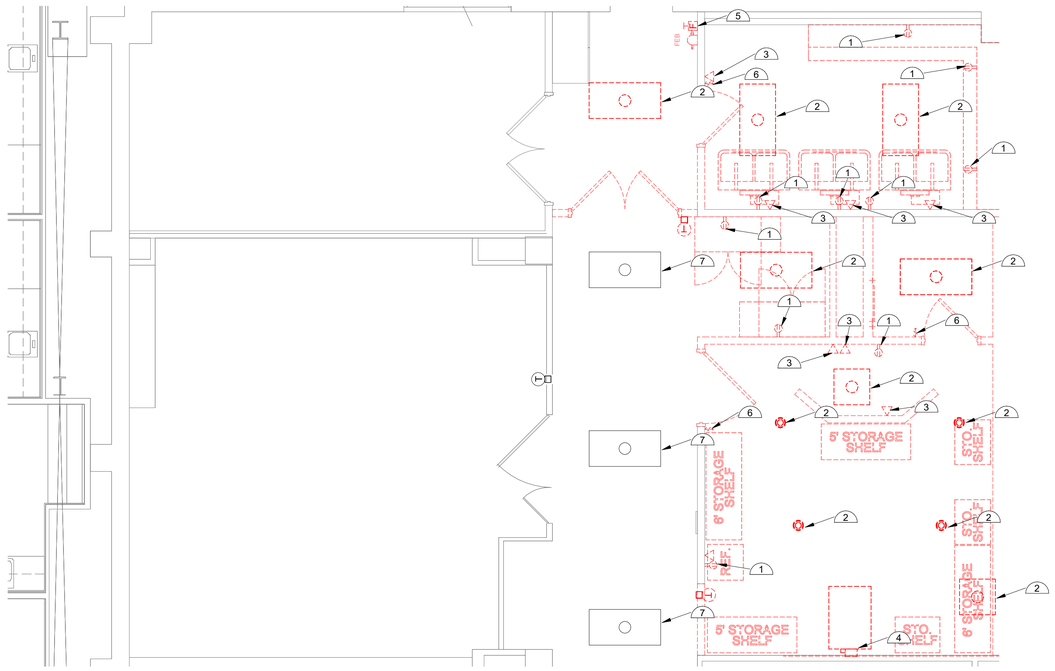
GENERAL NOTES

A. AS PART OF THE REQUIREMENTS OF THE CONTRACT, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE SCOPE AND MAGNITUDE OF THIS DEMOLITION WORK.
B. ALL DOWNSTREAM DEVICES NOT BEING REMOVED AS PART OF THIS CONTRACT SHALL REMAIN ACTIVE. THIS INCLUDES BUT IS NOT LIMITED TO RECEPTACLES, LIGHTS, DATA, FIRE ALARM, SECURITY AND TELEPHONE.
C. CONTRACTOR SHALL REMOVE FLOOR BOXES, OUTLETS AND ASSOCIATED WIRING. CONTRACTOR SHALL FILL IN FLOOR BOX OPENINGS WITH GROUT. REFER TO ARCHITECTURAL FOR GROUTING MATERIAL. CONTRACTOR SHALL REMOVE RECEPTACLES/OUTLETS, BACK BOXES, CONDUIT AND ALL ASSOCIATED WIRING BACK TO PANEL. ON EXISTING WALLS TO REMAIN, EXISTING RECEPTACLES AND WIRING SHALL BE REMOVED.
D. CONTRACTOR SHALL REMOVE ALL ABANDONED DEVICES, CONDUIT AND ALL ASSOCIATED WIRING ABOVE CEILING.

DEMOLITION NOTES

REMOVE EXISTING CONSTRUCTION AS INDICATED BY: (#)

1. PROVIDE FOR THE COMPLETE REMOVAL OF EXISTING RECEPTACLE, CONDUIT, WIRING, ETC. BACK TO SOURCE.
2. PROVIDE FOR THE REMOVAL OF EXISTING LIGHT FIXTURE. LIGHTING BRANCH CIRCUIT SHALL REMAIN FOR RE-USE.
3. PROVIDE FOR THE REMOVAL OF EXISTING DATA DEVICE, CONDUIT, CABLING, ETC. BACK TO SOURCE.
4. PROVIDE FOR THE REMOVAL OF EXISTING ENCLOSED CIRCUIT BREAKER SERVING EXISTING X-RAY MACHINE BACK TO SOURCE.
5. EXISTING FIRE ALARM PULL STATION SHALL BE REMOVED AND RE-INSTALLED IN NEW WALL.
6. EXISTING LIGHT SWITCH SHALL BE COMPLETELY REMOVED.
7. EXISTING LIGHTS SHALL REMAIN FOR RE-USE.



1 Power Plan
1/4" = 1'-0"

0 2' 4' 8'

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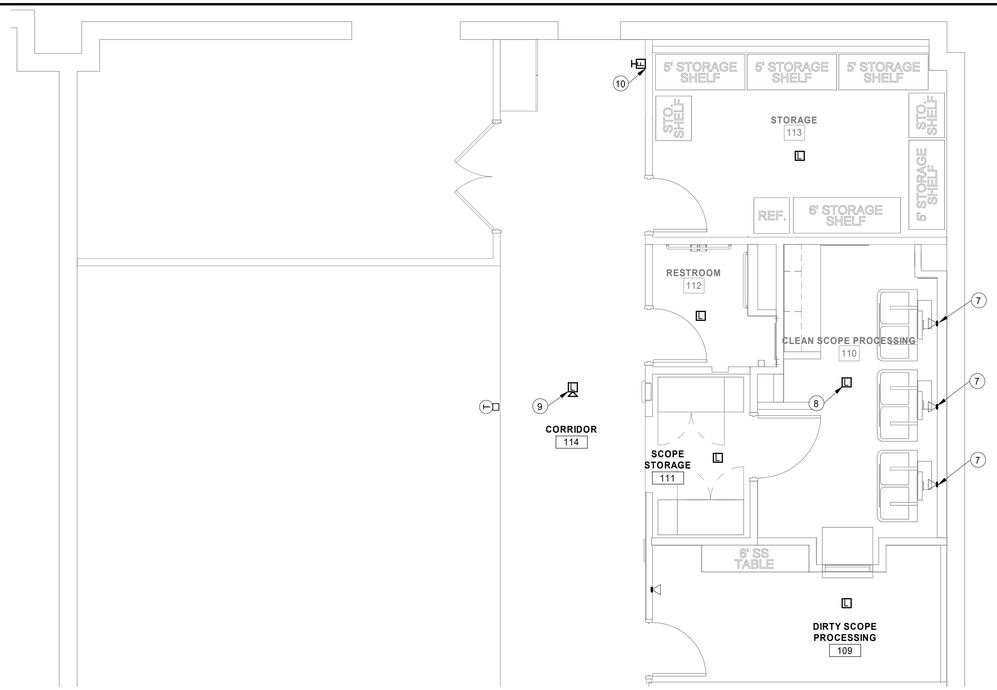
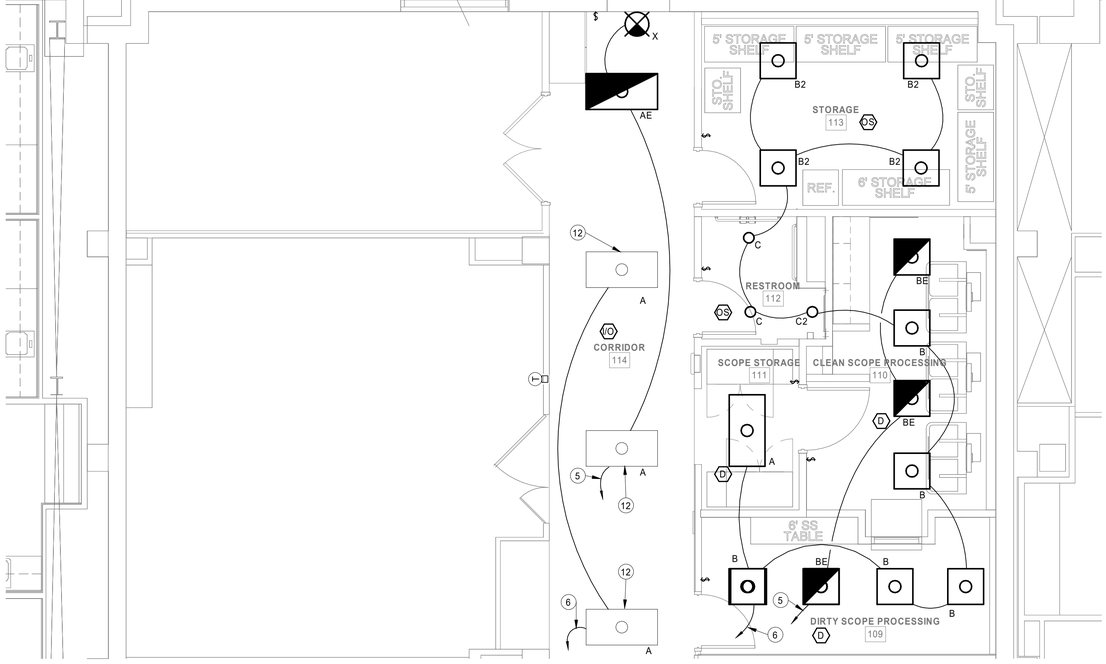
-	07/29/2024	ISSUED FOR CONSTRUCTION

Electrical Demolition Plan - GI Lab Renovation

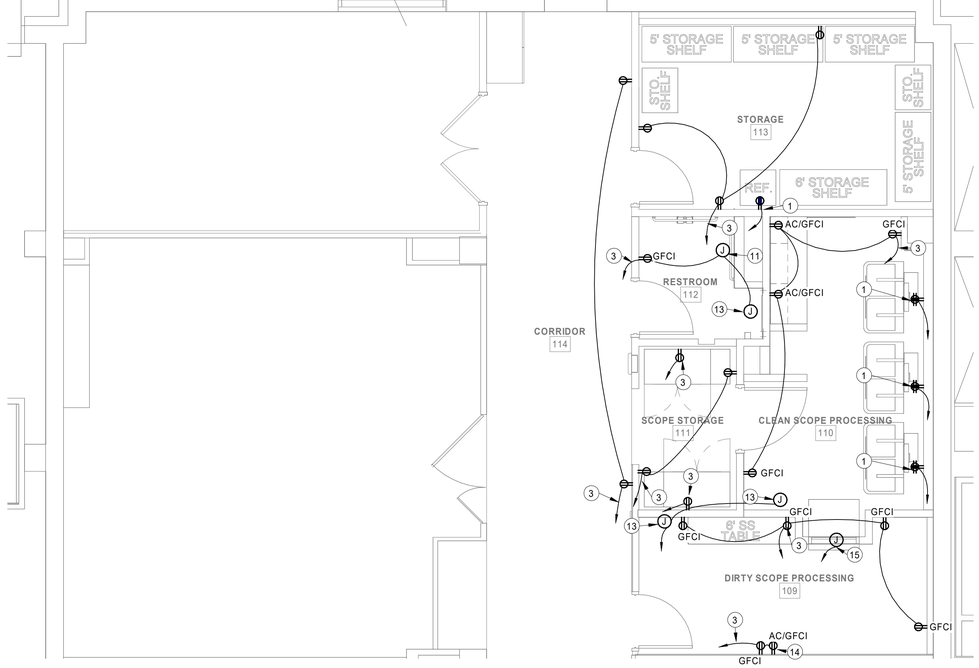
E-101



3 Communications Plan
1/4" = 1'-0"



1 Lighting Plan
1/4" = 1'-0"



2 Power Plan
1/4" = 1'-0"

KEY NOTES

AS INDICATED BY: (#)

1. PROVIDE A NEW RECEPTACLE FOR EXISTING RELOCATED SANITIZER. EXTEND AND CONNECT TO EXISTING CRITICAL PANEL "ESDA" AND PROVIDE A NEW 20A/1P GFI BREAKER IN PANEL.
2. PROVIDE A NEW RECEPTACLE FOR EXISTING RELOCATED SCOPE STORAGE CABINETS. EXTEND AND CONNECT TO EXISTING CRITICAL PANEL "B1C" AND PROVIDE A NEW 20A/1P BREAKER IN PANEL.
3. EXTEND AND CONNECT CIRCUIT TO EXISTING NORMAL PANEL "B1C"
4. EXTEND AND CONNECT TO EXISTING LIFE SAFETY BRANCH CIRCUIT SERVING THIS AREA. MODIFY EXISTING BRANCH LIGHTING CIRCUITS (WIRING AND CONDUIT) AS REQUIRED TO ACCOMMODATE NEW LIGHTING LAYOUT AND CONTROLS.
5. EXTEND AND CONNECT TO EXISTING CRITICAL LIGHTING BRANCH CIRCUIT SERVING THIS AREA. MODIFY EXISTING BRANCH LIGHTING CIRCUITS (WIRING AND CONDUIT) AS REQUIRED TO ACCOMMODATE NEW LIGHTING LAYOUT AND CONTROLS.
6. EXTEND AND CONNECT TO EXISTING NORMAL LIGHTING BRANCH CIRCUIT SERVING THIS AREA. MODIFY EXISTING BRANCH LIGHTING CIRCUITS (WIRING AND CONDUIT) AS REQUIRED TO ACCOMMODATE NEW LIGHTING LAYOUT AND CONTROLS.
7. DATA OUTLET LOCATION WITH BACK BOX AND COVER PLATE. PROVIDE A 1" CONDUIT TO AN ACCESSIBLE LOCATION ABOVE CEILING. CABLING SHALL BE PROVIDED BY OWNER.
8. NEW FIRE ALARM VISUAL DEVICE MOUNTED ON CEILING. EXTEND AND CONNECT DEVICE TO NEAREST N.A.C IN AREA.
9. NEW FIRE ALARM AUDIO/VISUAL DEVICE MOUNTED ON CEILING. EXTEND AND CONNECT DEVICE TO NEAREST N.A.C CIRCUIT IN AREA.
10. EXISTING FIRE ALARM PULL STATION MOUNTED ON NEW WALL.
11. PROVIDE 120V POWER FOR HARDWIRED FLUSH VALVE. COORDINATE EXACT LOCATION OF FLUSH VALVE PRIOR TO INSTALL.
12. EXISTING LIGHT FIXTURE.
13. PROVIDE 120V CIRCUIT FOR AUTOMATIC FAUCET COORDINTATE FINAL LOCATION OF SINK WITH PLUMBING PLANS PRIOR TO WORK. REFER TO HARWARE MANUFACUTRER FOR MORE INFORMATION. PROVIDE A GFI BREAKER IN PANEL.
14. MOUNT RECEPTACLE AT COUNTER TOP LEVEL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCAION PRIOR TO ROUGH IN.
15. PROVIDE 120V CIRCUIT FOR AUTOMATED PASS THROUGH WINDOW TYPE PTWAENDO2100 - STERIS AND ROUTE (2) #12 AWG + #12GND IN 3/4" CONDUIT TO EXITING PANEL "B1C" REFER TO MANUFACTURER FOR MORE INFORMATION PRIOR TO WORK.

0 2' 4' 8'

NORTH

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KEY PLAN

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1	09/02/2025	ADD-001
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Electrical Plan - GI Lab Renovation

E-111

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