STATE OF DELAWARE
OMB/DIVISION OF FACILITIES MANAGEMENT
OMB/DFM CONTRACT # MJ3804000111

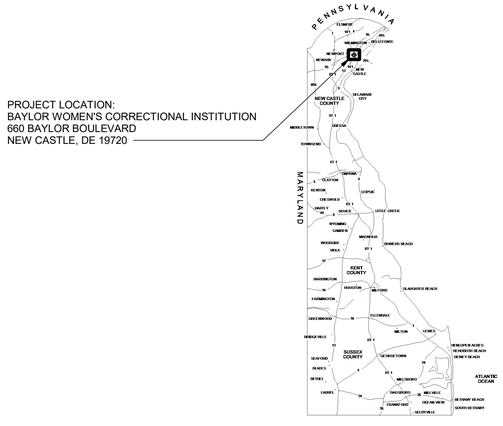
INFIRMARY EXPANSION

AT THE

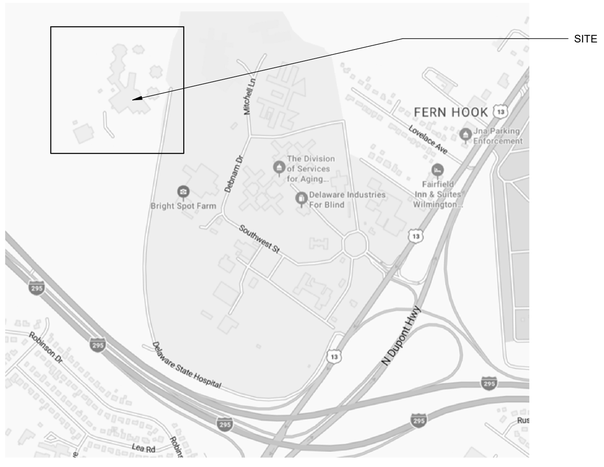
BAYLOR WOMEN'S CORRECTIONAL INSTITUTION
660 BAYLOR BOULEVARD
NEW CASTLE, DE 19720

FOR

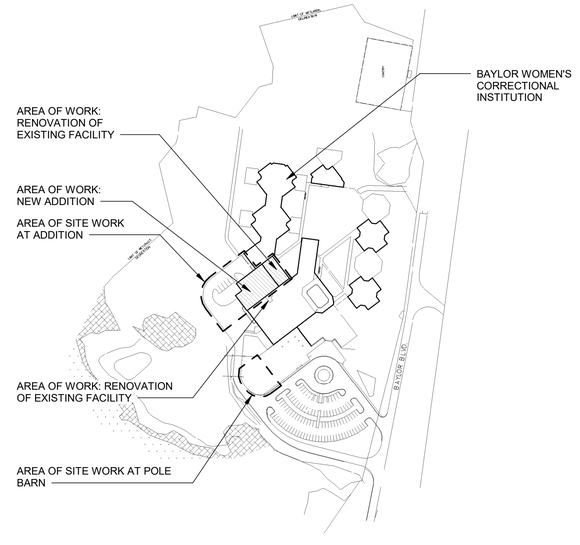
DELAWARE DEPARTMENT OF CORRECTION



LOCATION MAP
NO SCALE



AREA MAP
NO SCALE



DWG. PLAN NORTH

SITE MAP
NO SCALE

VOLUME: 2 OF 2

IMPORTANT - DO NOT DISTRIBUTE

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LEILA HAMROUN No. 7630 STATE OF DELAWARE REGISTERED ARCHITECT

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MTA

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
COVER SHEET VOLUME 2 OF 2

PROJ:	213-26912-22005
DESN:	M.REYNOLDS
DRWN:	M.ARMISTEAD
CHKD:	L.HAMROUN

G-001.II

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LEILA HAMROUN
No. 7630
STATE OF DELAWARE
REGISTERED ARCHITECT

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MTA

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

SHEET INDEX VOLUME 2 OF 2

PROJ:	213-26912-22005
DESN:	M.REYNOLDS
DRWN:	M.ARMISTEAD
CHKD:	L.HAMROUN

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MECHANICAL LEGEND

- 20x12 SA — DUCT SIZE & SYSTEM ABBREVIATION; FIRST FIGURE IS DIMENSION SHOWN ON PLAN
- DUCT SECTION, POSITIVE PRESSURE
- DUCT SECTION, NEGATIVE PRESSURE
- NEW DUCTWORK
- FLEXIBLE DUCTWORK
- DUCT TRANSITION
- RECT. TO ROUND TRANSITION
- BRANCH DUCTWORK
- TURNING VANES
- CEILING DIFFUSER - SUPPLY
- CEILING DIFFUSER - RETURN
- CEILING DIFFUSER - EXHAUST
- CEILING DIFFUSER - ROUND
- LINEAR SLOT DIFFUSER (DOUBLE SLOT)
- LOUVER AND SCREEN
- FIRE DAMPER, PROVIDE ACCESS DOOR
- VOLUME DAMPER
- BACKDRAFT DAMPER
- SUPPLY/INTAKE AIRFLOW DIRECTION
- EXHAUST AIRFLOW DIRECTION
- GRILLE OR REGISTER, SIDEWALL
- PIPE CAP
- PIPE CONNECTION, BOTTOM
- PIPE CONNECTION, TOP
- PIPE ELBOW, TURNED UP
- PIPE ELBOW, TURNED DOWN
- PIPE TEE
- ANCHOR, INTERMEDIATE
- BUTTERFLY VALVE
- GATE VALVE
- BALL VALVE
- CHECK VALVE
- STRAINER VALVE
- THREE-WAY CONTROL VALVE
- TWO-WAY CONTROL VALVE
- PRESSURE GAUGE
- DOOR UNDERCUT
- Ø — DIAMETER

- MANUAL AIR VENT
- AUTOMATIC AIR VENT
- PUMP (SCHEMATIC)
- T — THERMOSTAT
- CO_2 — CARBON DIOXIDE SENSOR
- CO — CARBON MONOXIDE SENSOR
- M — MOTORIZED DAMPER
- A — PNEUMATIC DAMPER
- S — EMERGENCY SHUTDOWN SWITCH
- DP — DIFFERENTIAL PRESSURE SENSOR
- SD — DUCT SMOKE DETECTOR
- M — MASTER EMERGENCY SHUTDOWN SWITCH
- H — HUMIDISTAT
- HVAC - # — EQUIPMENT TAG
- BOD: 4' - 7" — BOTTOM OF DUCT ELEVATION TAG
- POINT OF DISCONNECTION
- POINT OF CONNECTION
- # — KEYED NOTE
- SAD-# / ### CFM — AIR TERMINAL AND AIRFLOW TAG
- OR
- CD-A | ### — AIR QUANTITY DELIVERED BY DEVICE IN CFM; AIR TERMINAL MARK AS INDICATED IN SCHEDULE
- AREA OUT OF SCOPE
- AREA OF DEMOLITION

NOTES:

1. THIS LEGEND IS FOR REFERENCE ONLY.
2. ALL SYMBOLS WITHIN THIS LEGEND MAY NOT APPLY TO THIS PROJECT.

MECHANICAL ABBREVIATIONS

(D)	DEMOLISHED
(E)	EXISTING
(R)	RELOCATED
AAV	AUTOMATIC AIR VENT
ABS	ABSOLUTE
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
BFF	BELOW FINISHED FLOOR
BHP	BREAK HORSEPOWER
CAP	CAPACITY
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CONC	CONCRETE
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUATION
CP-1	CONTROL PANEL WITH DESIGNATION
CU	CONDENSING UNIT
CW	CHILLED WATER
DB	DRY BULB
DEG	DEGREES
DEMO	DEMOLITION
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAG	EXHAUST AIR GRILLE
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EMCS	ENERGY MANAGEMENT AND CONTROL SYSTEM
ENT	ENTERING
ERV	ENERGY RECOVERY VENTILATOR
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FAHRENHEIT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FH	FIRE HYDRANT
FLEX	FLEXIBLE
FM	FLOW METER
FPM	FEET PER MINUTE
GAL	GALLONS
GH	GRAVITY HOOD
GM	GAS METER
GPM	GALLONS PER MINUTE
GUH	GAS UNIT HEATER
HP	HORSEPOWER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
ID	INSIDE DIAMETER/DIMENSION
IE	INVERT ELEVATION
IN	INCH
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LP	LOUVERED PENTHOUSE
LVL	LEVEL
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
NG	NATURAL GAS
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
PD	PRESSURE DROP
PSI	POUNDS PER SQUARE INCH
R	RADIUS
RA	RETURN AIR
RAG	RETURN AIR GRILLE
REFRIG	REFRIGERANT
RH	RADIANT HEATER
RL	REFRIGERANT LIQUID LINE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION LINE
SA	SUPPLY AIR
SAG	SUPPLY AIR GRILLE
SB	SECURITY BARS
SF	SUPPLY FAN
SPEC	SPECIFICATION
STD	STANDARD
T	THERMOMETER
TA	TRANSFER AIR
TBD	TO BE DETERMINED
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
VRF	VARIABLE REFRIGERANT FLOW
W	WATT
WB	WET BULB
WMS	WIRE MESH SCREEN
WS	WASTE STACK

DESIGN CONDITIONS FOR LOAD CALCULATIONS

SEASON	OUTDOOR DESIGN CONDITIONS	AIR-COOLED CONDENSER RATING	ELEV. (FT)	INDOOR CONDITIONS / ROOM TYPE				
				OFFICES	EXAM ROOMS	HOLDING	ELECTRICAL	COMM/SERVER RMS
SUMMER (1.)	92 °F	100 °F	76	75 °F DB	75 °F DB	75 °F DB	70 °F DB	70 °F DB
SUMMER (2.)	89 °F							
WINTER (99% DB)	13 °F			70 °F DB	70 °F DB	70 °F DB	65 °F DB	65 °F DB

1. BASED ON 0.4% DB & MCWB TEMPERATURES.
2. BASED ON 1.0% HR (HUMIDITY RATIO) & MCDB.

SHEET NOTES

1. REFER TO A-001 FOR ARCHITECTURAL SYMBOLS AND ABBREVIATIONS.

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MITCHELL GRAF LICENSE No. 23519 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MJG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ABBREVIATIONS, LEGEND, & DESIGN CONDITIONS

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-001

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MECHANICAL GENERAL NOTES

GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL SHEETS. REFER TO INDIVIDUAL SHEETS FOR SHEET NOTES.
2. CONTRACT DOCUMENT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE FOR MATERIAL QUANTITIES. ALL SCALING SHOULD BE REFERENCED TO ARCHITECTURAL PLANS ONLY.
3. ALL MECHANICAL WORK SHALL BE IN STRICT COMPLIANCE WITH THE LATEST APPLICABLE EDITION OF THE INTERNATIONAL MECHANICAL AND PLUMBING CODES, APPLICABLE PROVISIONS OF THE NATIONAL FUEL GAS CODE (NFPA 54), AND APPLICABLE UFCS (MILITARY WORK).
4. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ALL OTHER DISCIPLINES AND AS SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
5. CONTRACTOR SHALL VISIT SITE AND VERIFY ALL EXISTING CONDITIONS AND CONNECTIONS TO EXISTING WORK PRIOR TO BIDDING AND CONSTRUCTION.
6. COORDINATE ALL CUTTING AND PATCHING WITH GENERAL CONTRACTOR AND OTHER DISCIPLINES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO THEIR WORK.
7. ALL ATTACHMENTS TO THE BUILDING STRUCTURE SHALL BE COORDINATED WITH THE STRUCTURAL DESIGN. ALL BRACING AND MOUNTING OF PIPES AND DUCTS SHALL MEET THE MINIMUM REQUIREMENTS OF THE MOST RECENT SMACNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE. CONTRACTOR SHALL MAINTAIN ONE COPY OF THIS MANUAL ON SITE AT ALL TIMES.
8. PROVIDE FLASHING AND COUNTERFLASHING FOR ALL PENETRATIONS THROUGH WALLS OR ROOF TO MAKE WATERPROOF INSTALLATION.
9. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
10. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN THE DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
11. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
12. BALANCE AIR FLOW AT ALL AIR INLETS AND OUTLETS TO AIR QUANTITIES SHOWN. BALANCE ALL WATER FLOWS TO COILS AND MECHANICAL EQUIPMENT TO VALUES SHOWN. INSTALL TEST PLUGS WHERE NECESSARY. BALANCING CONTRACTOR SHALL BE INDEPENDENT OF THE INSTALLING CONTRACTORS AND CERTIFIED BY THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) OR ASSOCIATED AIR BALANCE COUNCIL (AABC).
13. ALL EXPOSED PIPE, PIPE SUPPORTS, DUCTWORK, UNFINISHED EQUIPMENT AND DUCT SUPPORTS SHALL MATCH ADJACENT FINISHES AS REQUIRED BY PAINTING SPECIFICATION AND ARCHITECTURAL DRAWINGS.
14. AT COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE COPIES OF BOUND OPERATIONS AND MAINTENANCE MANUALS.
15. REFER TO ARCHITECTURAL PLANS FOR DOOR SCHEDULE WITH DOOR GRILLES AND/OR UNDERCUT DOORS THAT ARE USED FOR TRANSFER AIR.
16. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.

EQUIPMENT NOTES

1. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
2. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
3. IDENTIFY ALL NEW MECHANICAL EQUIPMENT WITH NAMEPLATES PERMANENTLY ENGRAVED PER SPECIFICATIONS.
4. MOTOR STARTERS AND VARIABLE FREQUENCY DRIVES, WHERE REQUIRED, SHALL BE PROVIDED AND MOUNTED BY THE MECHANICAL INSTALLER. CONDUIT AND WIRING SHALL BE PROVIDED BY ELECTRICAL INSTALLER.
5. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS (SUPPLY, RETURN, AND EXHAUST) CONNECTED TO AIR HANDLING UNITS AND FANS. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO THE EQUIPMENT UNLESS OTHERWISE INDICATED.
6. PROVIDE VIBRATION ISOLATION DEVICES FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE.
7. ALL ROOF MOUNTED EQUIPMENT CURBS FOR EQUIPMENT PROVIDED BY THE MECHANICAL CONTRACTOR SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
8. EQUIPMENT AND APPLIANCES SHALL BE ACCESSIBLE FOR SERVICE, INSPECTION, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION. SUFFICIENT CLEARANCE SHALL BE MAINTAINED TO PERMIT CLEANING, REPLACEMENT OF FILTERS, BLOWERS, MOTORS, CONTROLS AND LUBRICATION OF MOVING PARTS.

DUCTWORK NOTES

1. ALL SUPPLY AND RETURN AIR DUCTWORK SHALL BE INSULATED WITH NOT LESS THAN THE AMOUNT OF INSULATION INDICATED IN ACCORDANCE WITH THE SPECIFICATIONS, APPLICABLE MECHANICAL CODE AND BUILDING ENERGY EFFICIENCY CODE. ALL DUCTWORK MOUNTED EXTERIOR TO THE BUILDING ENVELOPE SHALL BE SANDWICHED INSULATION WITH DOUBLE WALL SHEETMETAL CONSTRUCTION.
2. ALL DUCT HANGERS AND SUPPORTS SHALL COMPLY WITH THE MECHANICAL CODE AND THE "SMACNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE".
3. ALL SUPPLY, RETURN AND NON-LAB EXHAUST AIR DUCTWORK SHALL BE GALVANIZED SHEET METAL IN ACCORDANCE WITH MECHANICAL CODE, SMACNA HVAC DUCT CONSTRUCTION STANDARDS AND ASHRAE STANDARDS. DUCT GAUGE AND CONSTRUCTION SHALL BE SELECTED AT 1.5 TIMES THE DESIGN FAN SUPPLY STATIC, OR GREATER, TO ACCOMMODATE SYSTEM PRESSURE TESTING REQUIREMENTS AND FAN DEADHEAD STATIC. INSTALL TURNING VANES OR RADIUSED ELBOWS AT EACH RECTANGULAR SUPPLY ELBOW AND WHERE SHOWN ON DRAWINGS AND SPECIFICATIONS.
4. DIMENSIONS AND SHAPE OF THE DUCT MAY BE ALTERED, AS LONG AS THE SAME AIR VELOCITY AND FLOW RATE ARE MAINTAINED, TO AVOID INTERFERENCES AND MAINTAIN ADEQUATE CLEARANCES.
5. ALL DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INTERNAL CLEAR DIMENSIONS.
6. SEAL ALL DUCT JOINTS, INCLUDING LONGITUDINAL JOINTS, WITH WATER BASED SEALANT. MAXIMUM ALLOWABLE DUCTWORK LEAKAGE SHALL NOT EXCEED 5% AND AS DEFINED ELSEWHERE IN DOCUMENTS.
7. INSTALL VOLUME DAMPERS WHERE SHOWN AND AS REQUIRED FOR PROPER BALANCING OF EACH DIFFUSER/GRILLE/REGISTER, INCLUDING DEVICES WITH OPPOSED BLADE DAMPERS. VOLUME DAMPERS SHALL BE MOUNTED IMMEDIATELY DOWNSTREAM OF BRANCH CONNECTIONS. PROVIDE EXTENDED REGULATORS, WITH CONCEALED COVER PLATES, TO OPERATE DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS.
8. COORDINATE DIFFUSER, REGISTER, AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING, AND OTHER CEILING ITEMS AND MAKE MINOR DUCT MODIFICATIONS TO SUIT.
9. INDIVIDUAL RUNS OF FLEXIBLE DUCT SHALL NOT EXCEED FIVE (5) FEET. GRILLES, REGISTERS, AND DIFFUSERS CONNECTED BY FLEXIBLE DUCT SHALL BE SUPPORTED INDEPENDENTLY OF THE FLEXIBLE DUCT.
10. ALL DUCTWORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS, INCLUDING DIVIDED DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS, SHALL BE PROVIDED AT NO ADDITIONAL COST.
11. PROVIDE ACCESS DOORS IN DUCTWORK TO PROVIDE ACCESS FOR ALL FANS, SMOKE DETECTORS, FIRE DAMPERS, SMOKE DAMPERS, VOLUME DAMPERS, HUMIDIFIERS, COILS, AND OTHER ITEMS LOCATED IN THE DUCTWORK WHICH REQUIRE ADJUSTMENT AND MAINTENANCE.
12. DUCT MOUNTED PHOTOELECTRIC SMOKE DETECTORS SHALL BE INSTALLED FOR EACH HEATING OR COOLING SYSTEM SUPPLYING AIR IN EXCESS OF 2000 CFM AND IN SYSTEMS SERVING MORE THAN ONE OCCUPANCY TYPE. DETECTOR SHALL SHUT DOWN THE AIR-MOVING EQUIPMENT WHEN SMOKE IS DETECTED. PROVIDE REMOTE TEST AND RESET STATION FOR MOUNTING AT THE CEILING OR WALL IN THE VICINITY OF THE SMOKE DETECTOR.
13. EXTERIOR LOUVERS ARE INDICATED FOR INFORMATION ONLY. DETAILED DESCRIPTIONS ARE PROVIDED IN THE ARCHITECTURAL DOCUMENTS AND SHALL BE COORDINATED WITH GENERAL CONTRACTOR.
14. ALL PENETRATIONS THROUGH FIRE AND SMOKE RATED WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE AND SMOKE STOPPED WITH A UL APPROVED SEALANT SYSTEM.
15. MECHANICAL DUCT PENETRATIONS OF A NON-FIRE RESISTANCE RATED FLOOR ASSEMBLY SHALL BE PROTECTED WITH A SHAFT ASSEMBLY IN ACCORDANCE WITH THE BUILDING CODE. OR, WHEN THE DUCT CONNECTS NOT MORE THAN TWO STORIES, THE ANNULAR SPACE AROUND THE PENETRATING DUCT MUST BE MATERIAL THAT RESISTS THE FREE PASSAGE OF FLAME AND PRODUCTS OF CONSTRUCTION.
16. USE 45 DEG. TAPS FOR DUCT BRANCHES AND PROVIDE VOLUME DAMPER AT EACH BRANCH.
17. STRAIGHT DUCT LENGTH PRIOR TO VAV BOX CONNECTION SHALL BE MINIMUM OF THREE MULTIPLIED BY THE INLET DUCT DIAMETER (3 X D), WHERE VAV BOXES ARE USED.

PIPING NOTES

1. CONDENSATE AND PRESSURE RELIEF PIPING SHALL BE TYPE L TUBING WITH WROUGHT COPPER FITTINGS. A PRIMARY DRAIN PAN SHALL BE PROVIDED WITH COOLING COIL AND EXTEND BEYOND THE LEAVING SIDE OF THE COIL AND UNDERNEATH THE COOLING COIL CONNECTIONS. PROVIDE SECONDARY DRAIN PIPE FOR EQUIPMENT ABOVE CEILINGS AND ROUTE TO A READILY VISIBLE LOCATION.
2. SUPPORT ALL PIPING SO THAT IT IS FIRMLY HELD IN PLACE BY APPROVED HANGERS AND SUPPORTS.

CONTROL NOTES

1. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UPSTREAM AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER FOR RATED ACCURACY.
2. UNLESS OTHERWISE SHOWN, LOCATE ALL ROOM SENSORS AND THERMOSTATS SUCH THAT OPERABLE PARTS ARE NO HIGHER THAN 48" ABOVE FINISHED FLOOR.
3. COORDINATE ALL CONTROLS AND SEQUENCES OF OPERATION WITH THE BUILDING AUTOMATION SYSTEM (BAS). PROVIDE ALL DEVICES, CONTROLLERS, SENSORS, CONDUIT, WIRING AND LABOR TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM TO MEET THE OWNER'S PROJECT REQUIREMENTS AND THE DESIGN INDICATED ON THESE DRAWINGS AND SPECIFICATIONS.
4. ALL CONTROL CONDUIT AND WIRING SHALL COMPLY WITH THE ELECTRICAL CODE AND THE SPECIFICATIONS.
5. THE CONTROLS CONTRACTOR IS RESPONSIBLE FOR POWER CIRCUITS AND WIRING TO ALL CONTROL PANELS.

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MITCHELL GRAF
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PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MJG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
GENERAL NOTES

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-002

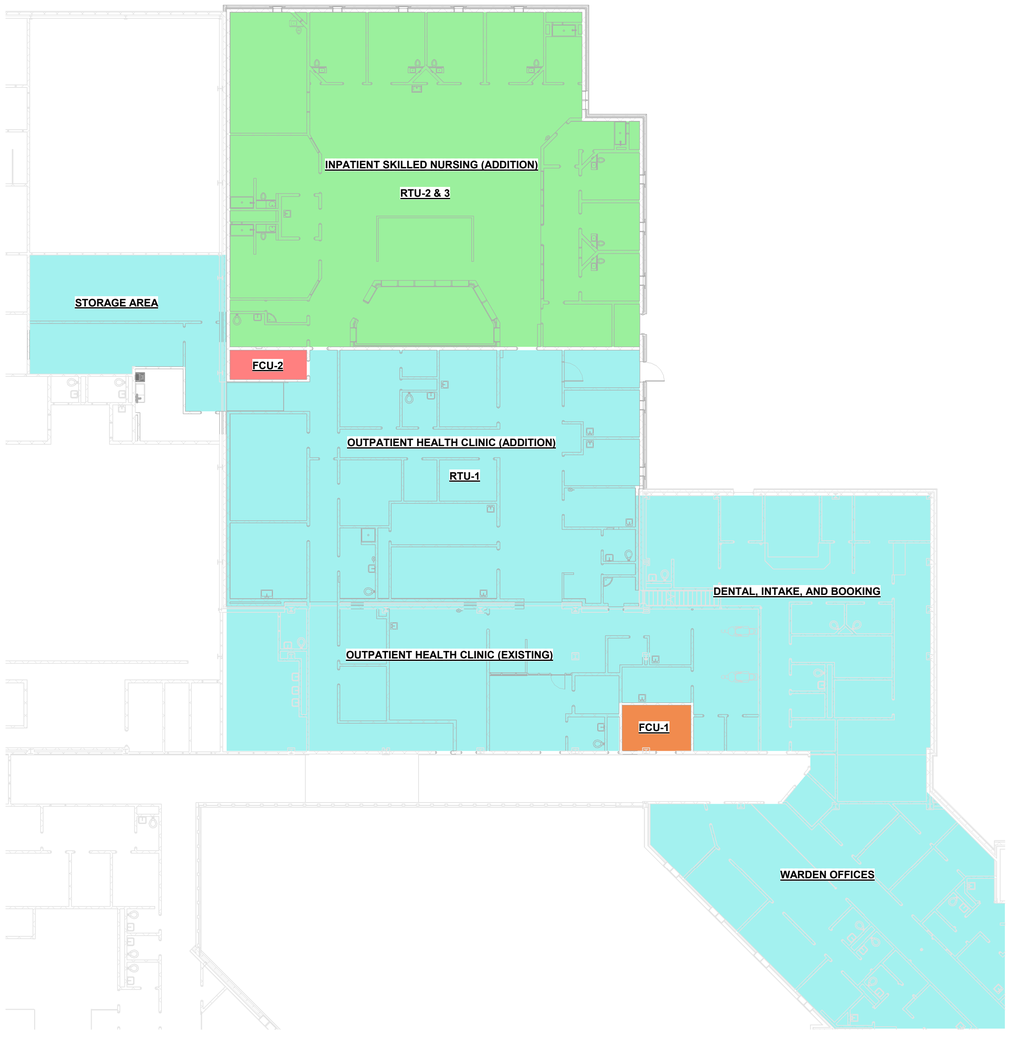
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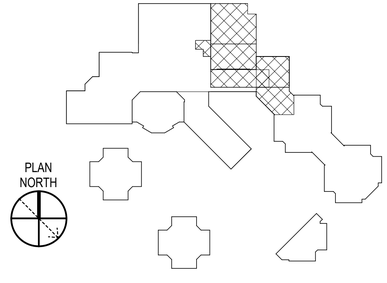
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1 M-003 ZONING PLAN
SCALE: 1/16" = 1'-0"



KEY PLAN: NTS

16' 0' 16' 32'
SCALE: 1/16" = 1'-0"

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1	07/27/26	ISSUED FOR BID	MJG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ZONING PLAN

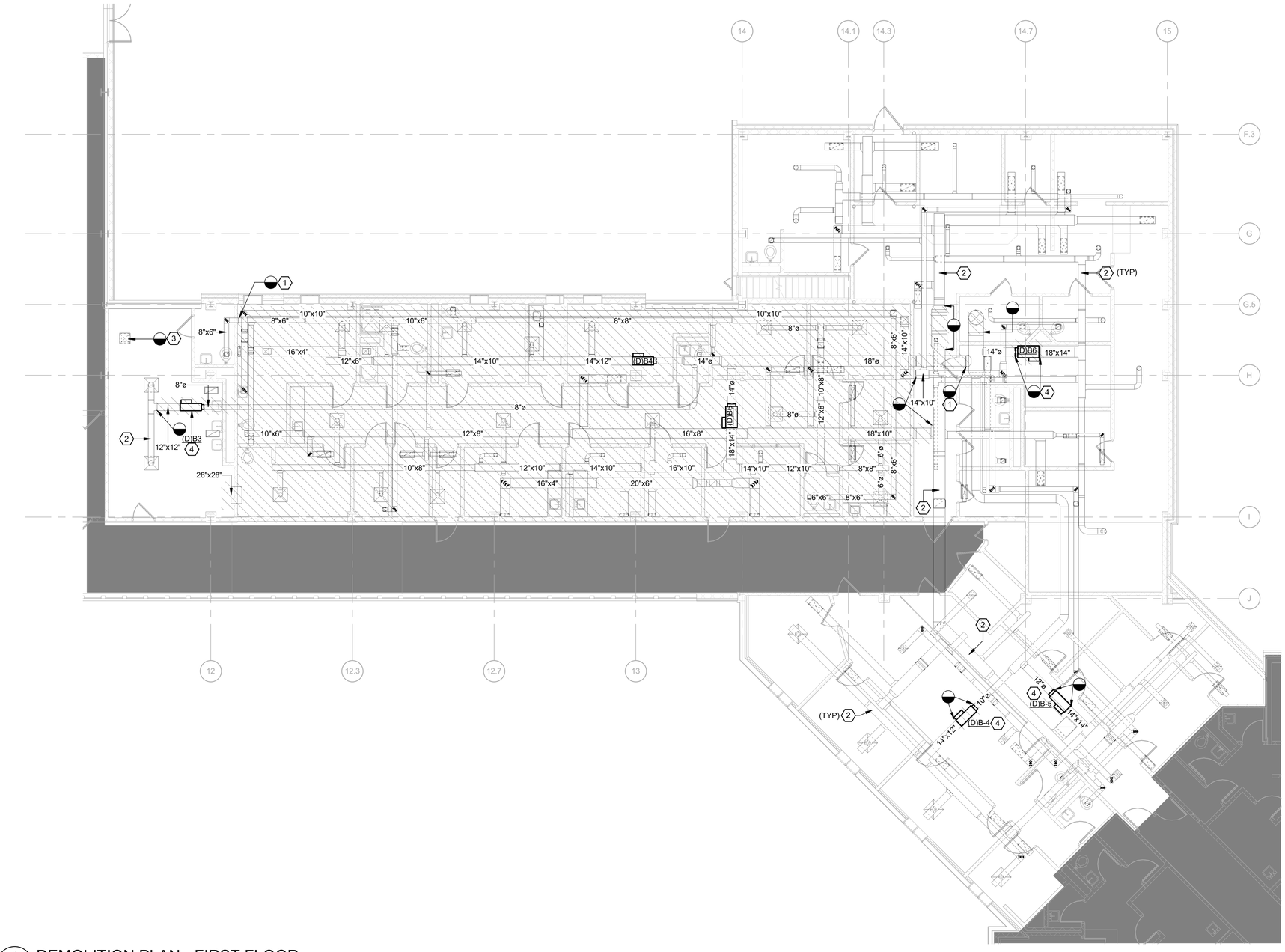
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1 MD-101 DEMOLITION PLAN - FIRST FLOOR
SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REFER TO M-002 FOR GENERAL NOTES.
2. COTRACTOR WILL PERFORM AN AIR BALANCE REPORT OF EXISTING HVAC SYSTEM PRIOR TO START OF DEMOLITION. AIRFLOWS TO BE RECORDED FOR POST-CONSTRUCTION BALANCING.

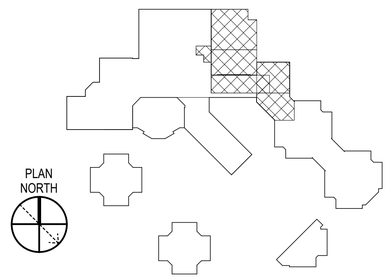
(#) KEYNOTES

1 DEMOLISH DUCTWORK BACK TO POINT OF DEMOLITION SHOWN. CAP REMAINING DUCTWORK. INFILL OPENINGS IN INTERIOR WALLS WITH MATCHING MATERIALS. ALL AIR TERMINALS ASSOCIATED WITH DEMOLISHED DUCTWORK SHALL ALSO BE DEMOLISHED UNLESS NOTED OTHERWISE. DEMOLISH ALL ASSOCIATED DUCTWORK ACCESSORIES AND SUPPORTS. TYPICAL.

2 EXISTING DUCTWORK TO REMAIN. TYPICAL.

3 EXISTING 16x16 EAG TO REMAIN. ASSOCIATED DUCTWORK AND EXHAUST FAN TO BE DEMOLISHED. SEE M-102.

4 DEMOLISH VAV TERMINAL UNIT. POWER TO REMAIN FOR NEW VAV TERMINAL UNIT. DEMOLISH DUCTWORK / PROVIDE NEW DUCTWORK AS NECESSARY TO INSTALL NEW VAV TERMINAL UNIT. PRIOR TO DEMOLITION OF EXISTING VAV TERMINAL THE TAB AGENT SHALL MEASURE THE MAXIMUM AND MINIMUM SETTINGS OF THE EXISTING VAV TERMINAL UNIT AND RECORD THESE VALUES FOR BALANCING THE NEW VAV TERMINAL. SEE NEW WORK PLANS.



KEY PLAN: NTS

8' 0' 8' 16'
SCALE: 1/8" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
DEMOLITION PLAN - FIRST FLOOR

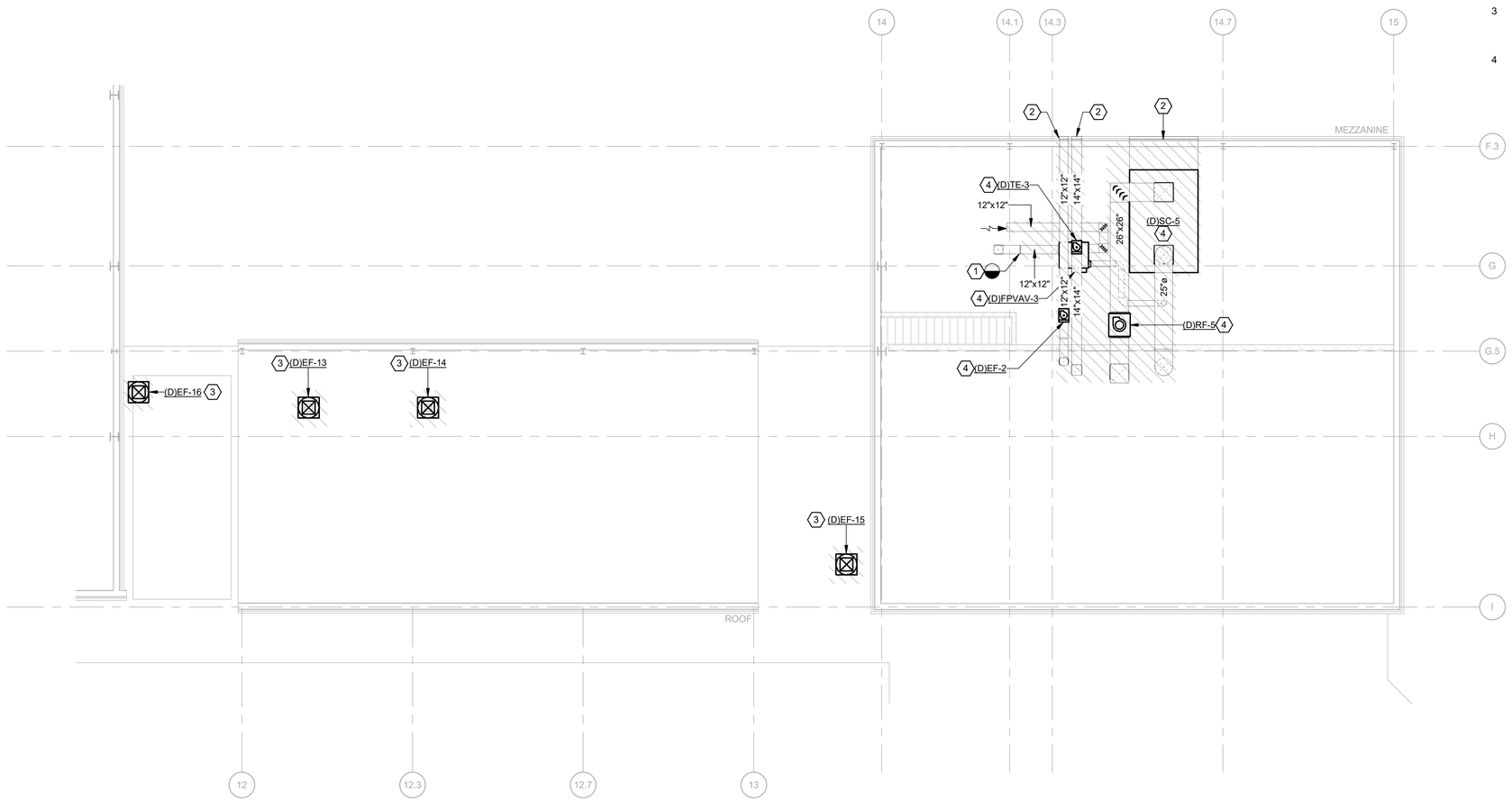
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1 MD-102 DEMOLITION PLAN - EXISTING ROOF AND MEZZANINE

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

SHEET NOTES

1. REFER TO M-002 FOR GENERAL NOTES.

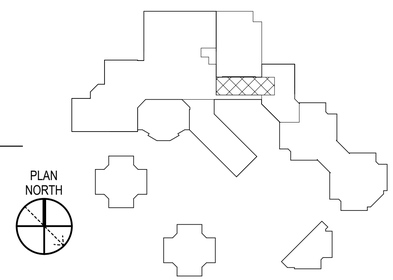
KEYNOTES

1 DEMOLISH DUCTWORK BACK TO POINT OF DEMOLITION SHOWN. CAP REMAINING DUCTWORK. INFILL OPENINGS IN INTERIOR WALLS WITH MATCHING MATERIALS. ALL AIR TERMINALS ASSOCIATED WITH DEMOLISHED DUCTWORK SHALL ALSO BE DEMOLISHED UNLESS NOTED OTHERWISE. DEMOLISH ALL ASSOCIATED DUCTWORK ACCESSORIES AND SUPPORTS. TYPICAL.

2 LOUVER TO REMAIN. DEMOLISH ASSOCIATED DUCTWORK/PLENUM AND CAP INTERIOR OF LOUVER AND INSULATE INSIDE FACE OF CAP.

3 DEMOLISH ROOF EXHAUST FAN AND ASSOCIATED DUCTWORK. CAP ROOF CURB OPENING WITH INSULATED SHEET METAL ROOF CAP.

4 DEMOLISH MECHANICAL EQUIPMENT DESIGNATED WITH (D). DEMOLISH ALL POWER BACK TO PANEL, DEMOLISH ALL SUPPORTS AND CONTROLS. TYPICAL.



KEY PLAN: NTS

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
DEMOLITION PLAN - EXISTING ROOF AND MEZZANINE

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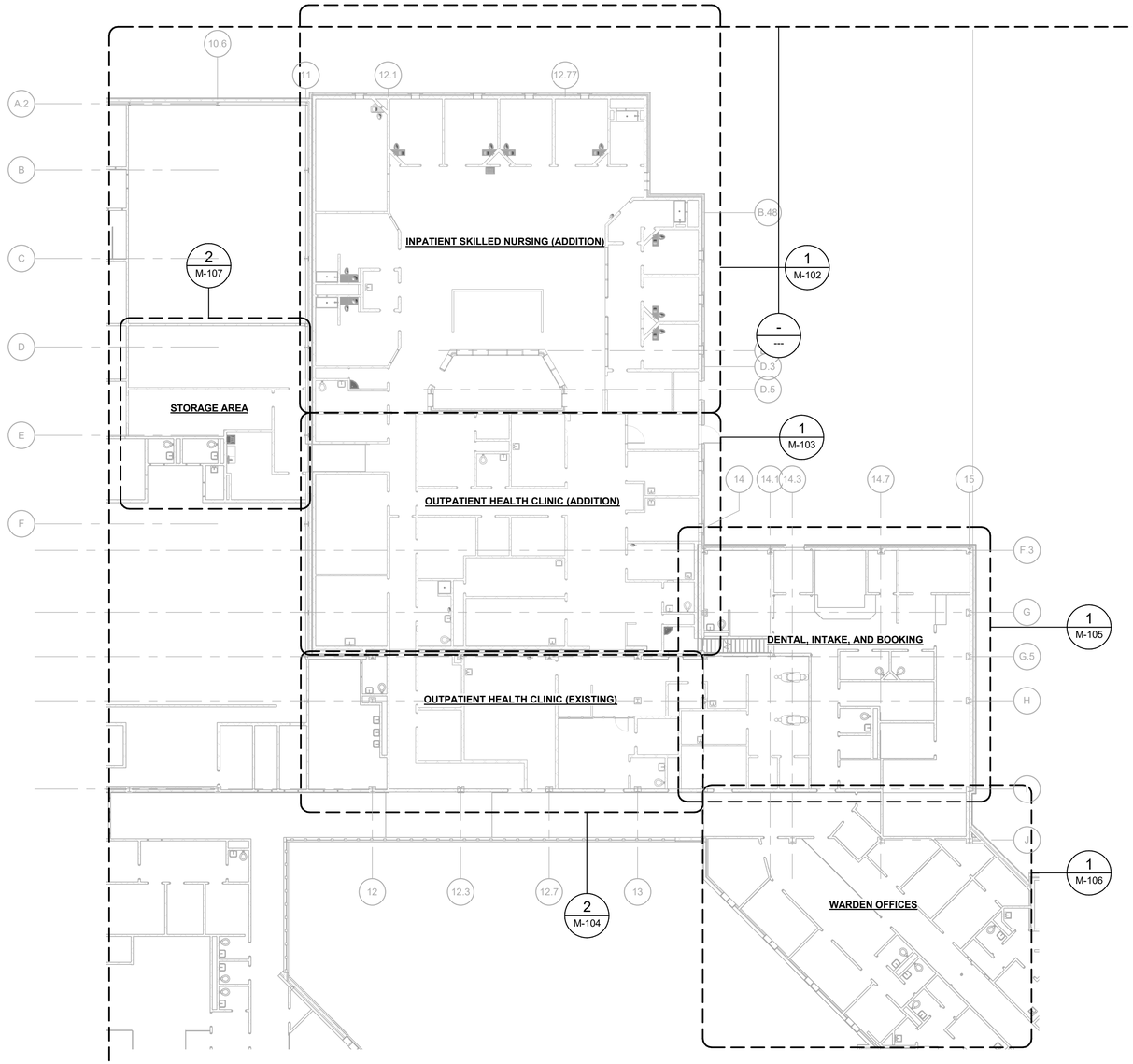
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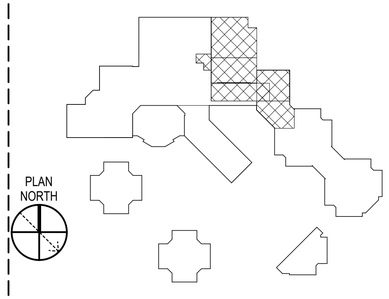
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SHEET NOTES

1. REFER TO M-002 FOR GENERAL NOTES.
2. OVERALL PLANS SHOWN FOR REFERENCE ONLY. REFER TO ENLARGED PLANS FOR MORE DETAIL.



1 / M-101 OVERALL NEW WORK FLOOR PLAN
SCALE: 1/16" = 1'-0"



KEY PLAN: NTS

16' 0' 16' 32'
SCALE: 1/16" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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INFIRMARY EXPANSION

OVERALL NEW WORK FLOOR PLAN

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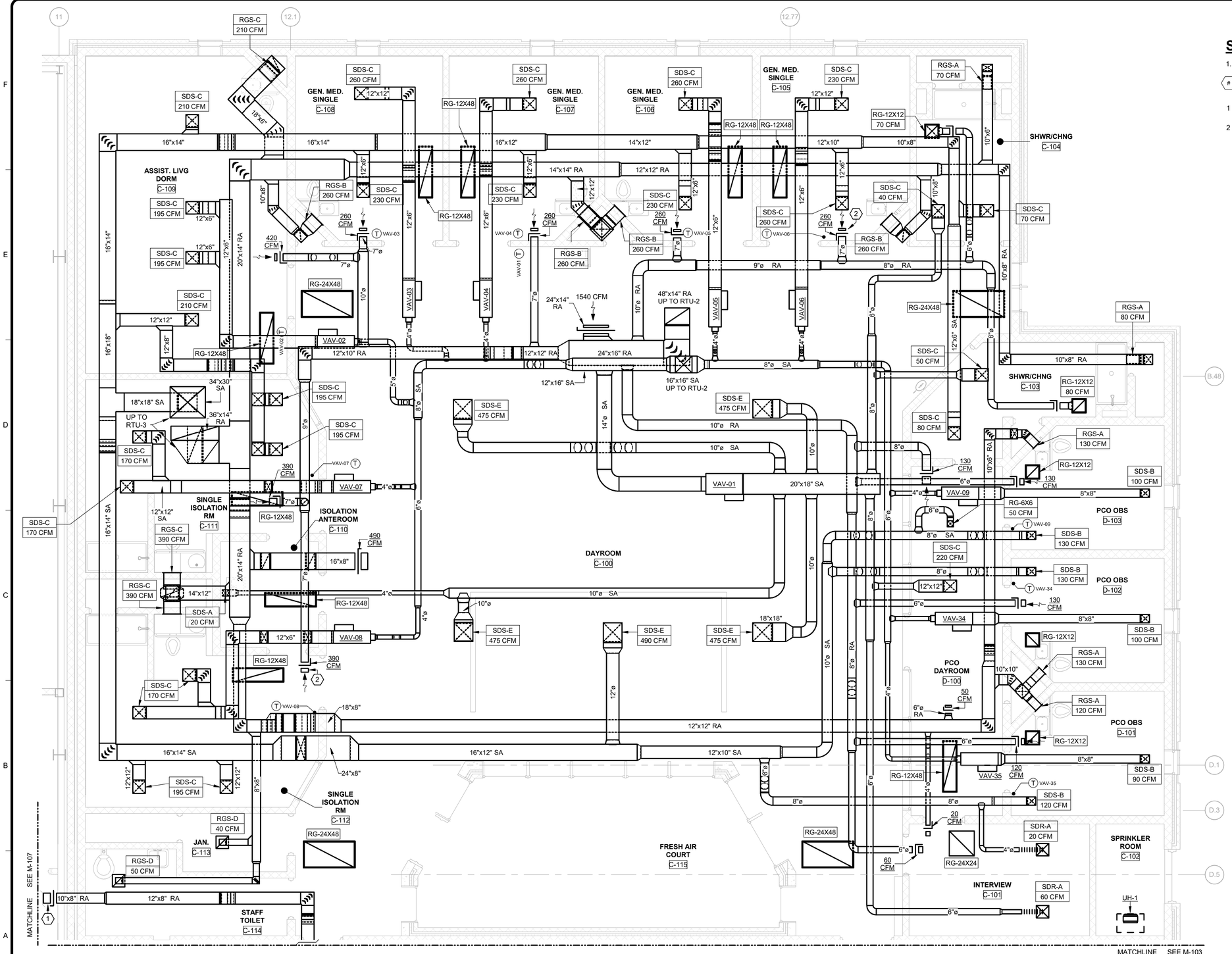
SHEET NOTES

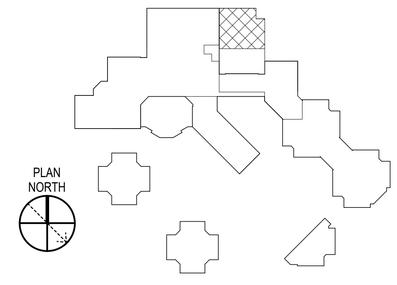
1. REFER TO M-002 FOR GENERAL NOTES.

(#) KEYNOTES

1 REFER TO 2/M-107 FOR CONTINUATION.

2 OPEN ENDED RETURN DUCT WITH WIRE MESH SCREEN. PROVIDE WITH BELLMOUTH, REFER TO MECHANICAL DETAILS SHEET. TYPICAL ALL OPENINGS.





KEY PLAN: NTS

1 M-102 ENLARGED PLAN - INPATIENT SKILLED NURSING UNIT
SCALE: 1/4" = 1'-0"

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

IMPORTANT - DO NOT DISTRIBUTE

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INFIRMARY EXPANSION

ENLARGED PLAN - INPATIENT SKILLED NURSING UNIT

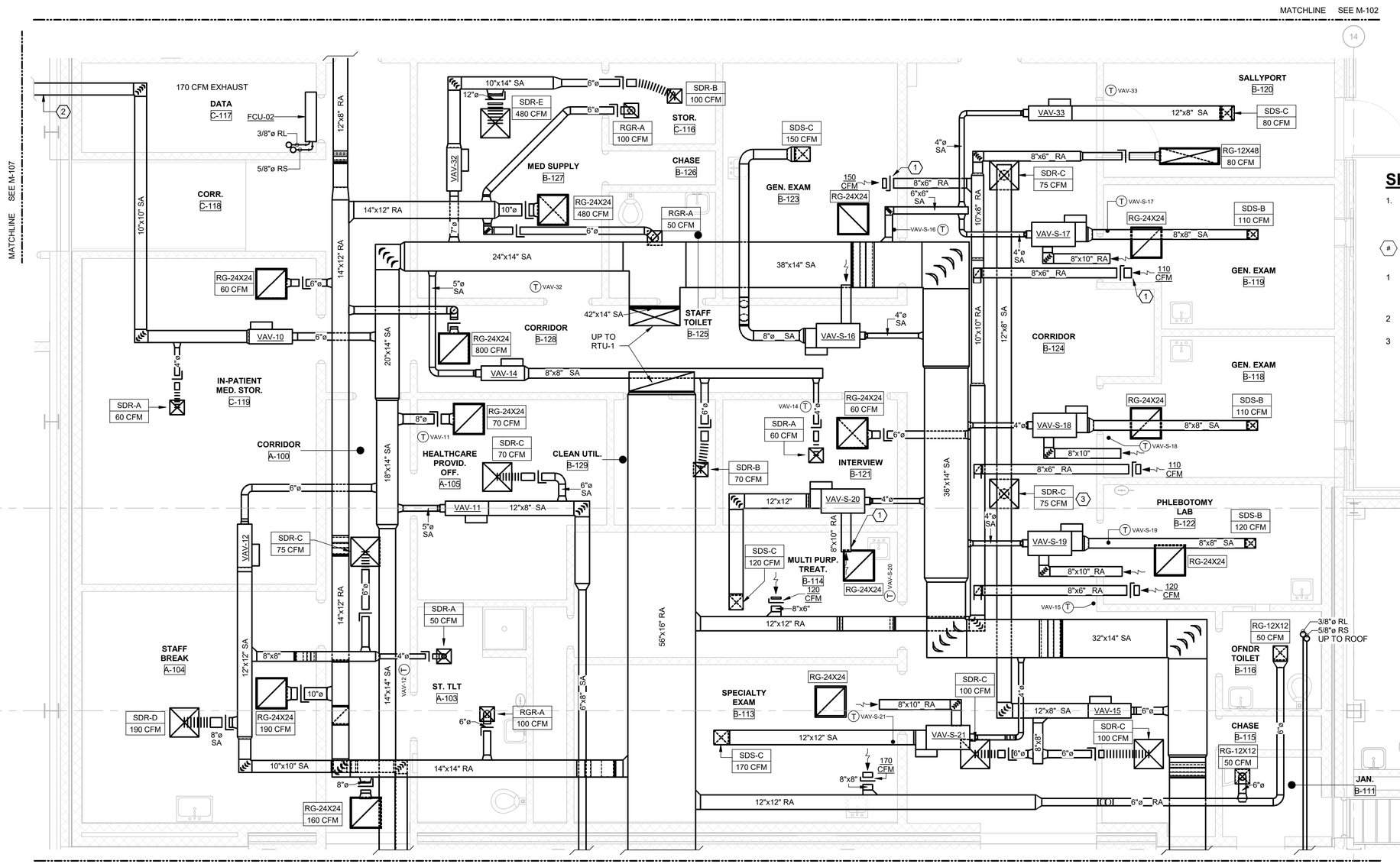
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SHEET NOTES

1. REFER TO M-002 FOR GENERAL NOTES.

KEYNOTES

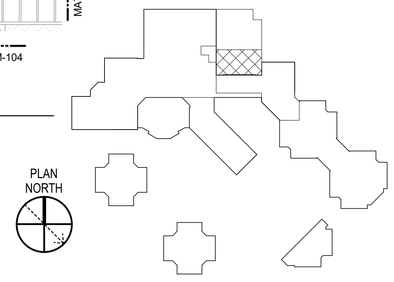
1 OPEN ENDED RETURN DUCT WITH WIRE MESH SCREEN. PROVIDE WITH BELLMOUTH, REFER TO MECHANICAL DETAILS SHEET. TYPICAL ALL OPENINGS.

2 REFER TO 2/M-107 FOR CONTINUATION.

3 INSTALL VOLUME DAMPER ON VERTICAL SECTION OF BRANCH DUCT.

1 / M-103 ENLARGED PLAN - OUTPATIENT HEALTH CLINIC - ADDITION

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



KEY PLAN: NTS

4' 0' 4' 8'

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

IMPORTANT - DO NOT DISTRIBUTE

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ENLARGED PLAN - OUTPATIENT HEALTH CLINIC - ADDITION

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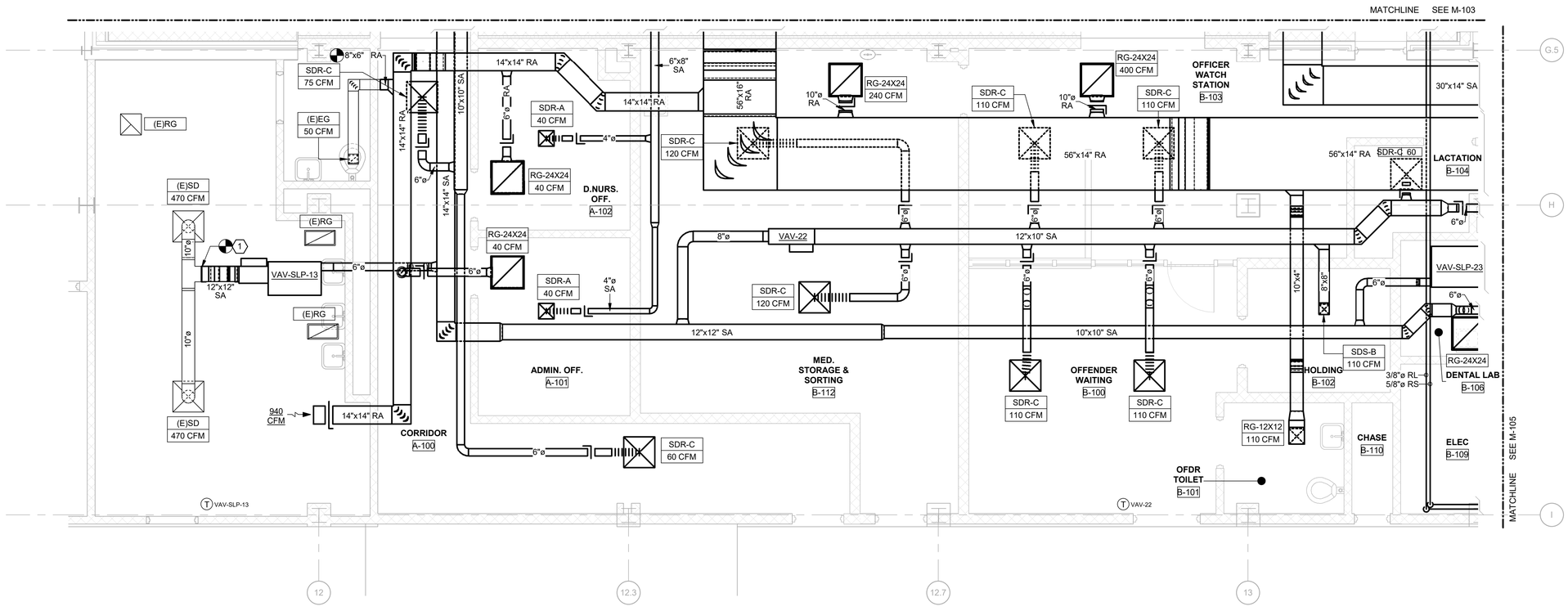
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SHEET NOTES

1. REFER TO M-002 FOR GENERAL NOTES.

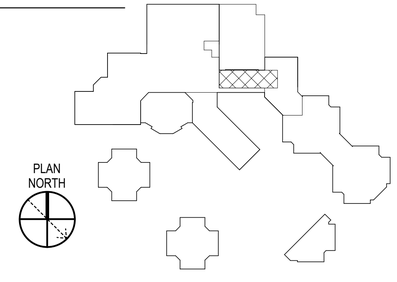
(#) KEYNOTES

1 CONNECT NEW DUCTWORK TO EXISTING. TYPICAL.



2 ENLARGED PLAN - OUTPATIENT HEALTH CLINIC - EXISTING BLDG

M-104 SCALE: 1/4" = 1'-0"



KEY PLAN: NTS

4' 0' 4' 8'

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

IMPORTANT - DO NOT DISTRIBUTE

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MARK	DATE	DESCRIPTION
1	07/27/26	ISSUED FOR BID

BY MJG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ENLARGED PLAN - OUTPATIENT HEALTH CLINIC - EXISTING BLDG

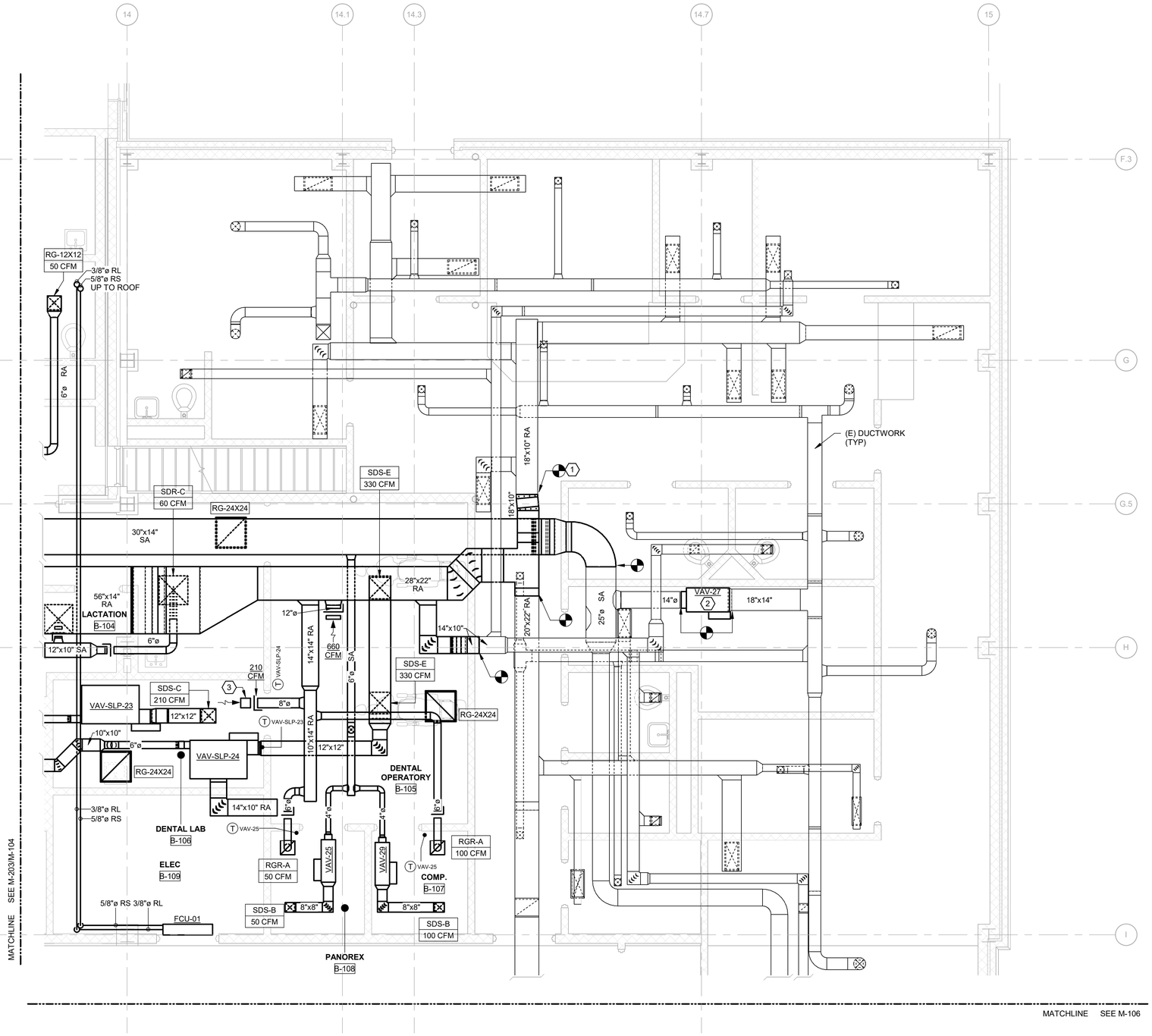
PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-104

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Bar measures 1 inch, otherwise drawing is not to scale



SHEET NOTES

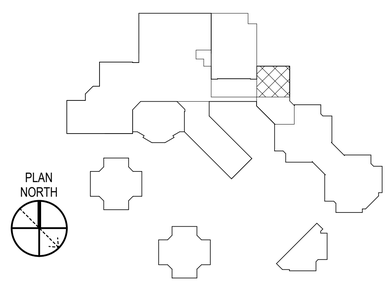
1. REFER TO M-002 FOR GENERAL NOTES.
2. CONTRACTOR WILL REBALANCE EXISTING DUCTWORK AND DIFFUSERS TO PRE-CONSTRUCTION AIRFLOWS.

KEYNOTES

1 CONNECT NEW DUCTWORK TO EXISTING. TYPICAL.

2 PROVIDE NEW SINGLE DUCT VAV FOR EXISTING DUCT SYSTEMS.

3 OPEN ENDED RETURN DUCT WITH WIRE MESH SCREEN. PROVIDE WITH BELLMOUTH, REFER TO MECHANICAL DETAILS SHEET. TYPICAL ALL OPENINGS.



KEY PLAN: NTS

1 / M-105 ENLARGED PLAN - DENTAL, INTAKE AND BOOKING

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

4' 0' 4' 8'

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

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ENLARGED PLAN - DENTAL, INTAKE AND BOOKING

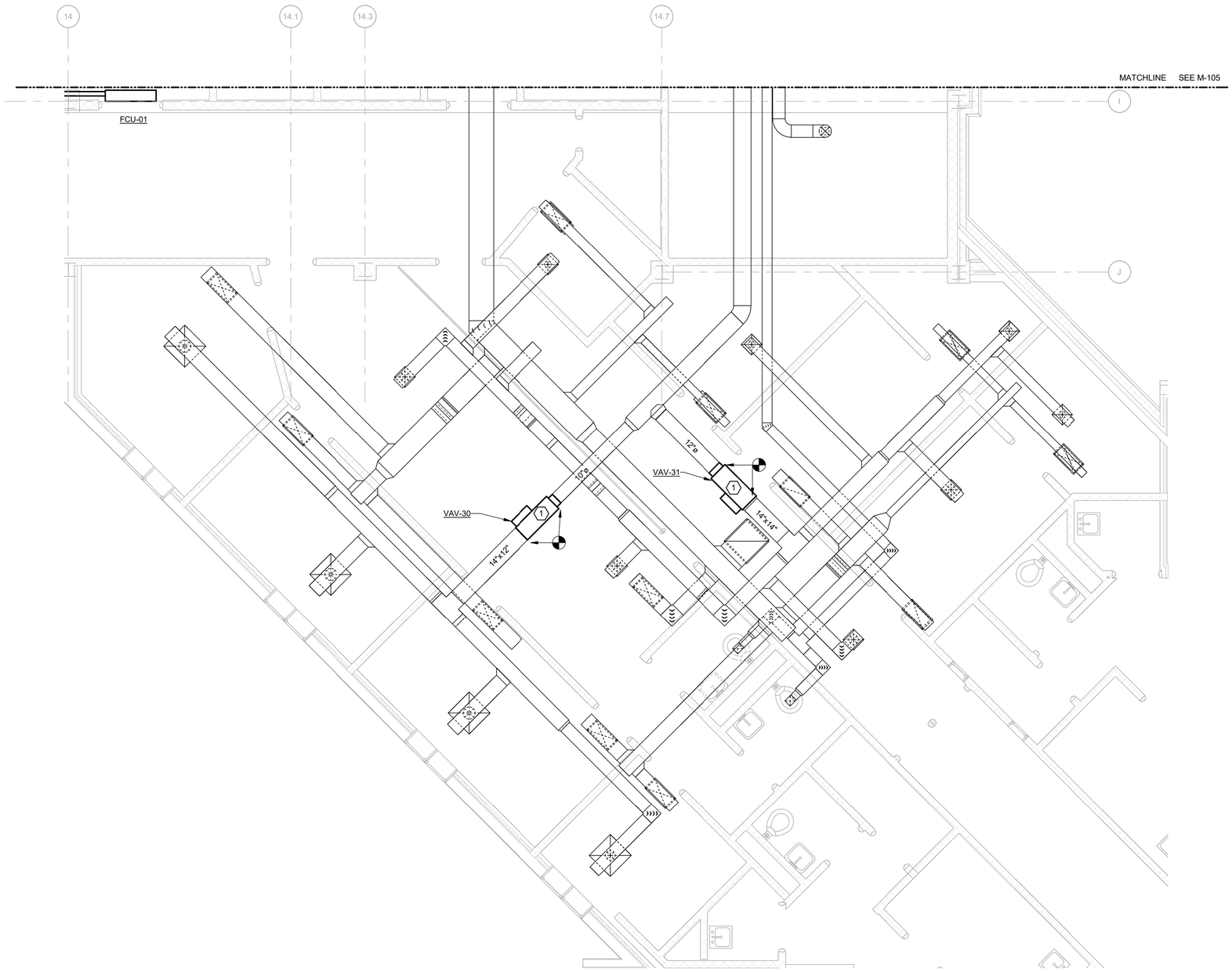
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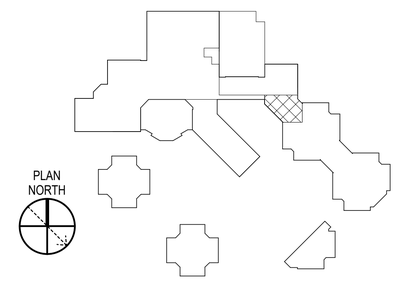
SHEET NOTES

1. REFER TO M-002 FOR GENERAL NOTES.
2. CONTRACTOR WILL REBALANCE EXISTING DUCTWORK AND DIFFUSERS TO PRE-CONSTRUCTION AIRFLOWS.

KEYNOTES

1 PROVIDE NEW SINGLE DUCT VAV FOR EXISTING DUCT SYSTEMS.

1 / M-106 ENLARGED PLAN - WARDEN OFFICES
SCALE: 1/4" = 1'-0"



KEY PLAN: NTS

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

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INFIRMARY EXPANSION

ENLARGED PLAN - WARDEN OFFICES

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SHEET NOTES

1. REFER TO M-002 FOR GENERAL NOTES.

KEYNOTES

1 DEMOLISH DUCTWORK BACK TO POINT OF DEMOLITION SHOWN. CAP REMAINING DUCTWORK. INFILL OPENINGS IN INTERIOR WALLS WITH MATCHING MATERIALS. ALL AIR TERMINALS ASSOCIATED WITH DEMOLISHED DUCTWORK SHALL ALSO BE DEMOLISHED UNLESS NOTED OTHERWISE. DEMOLISH ALL ASSOCIATED DUCTWORK ACCESSORIES AND SUPPORTS. TYPICAL.

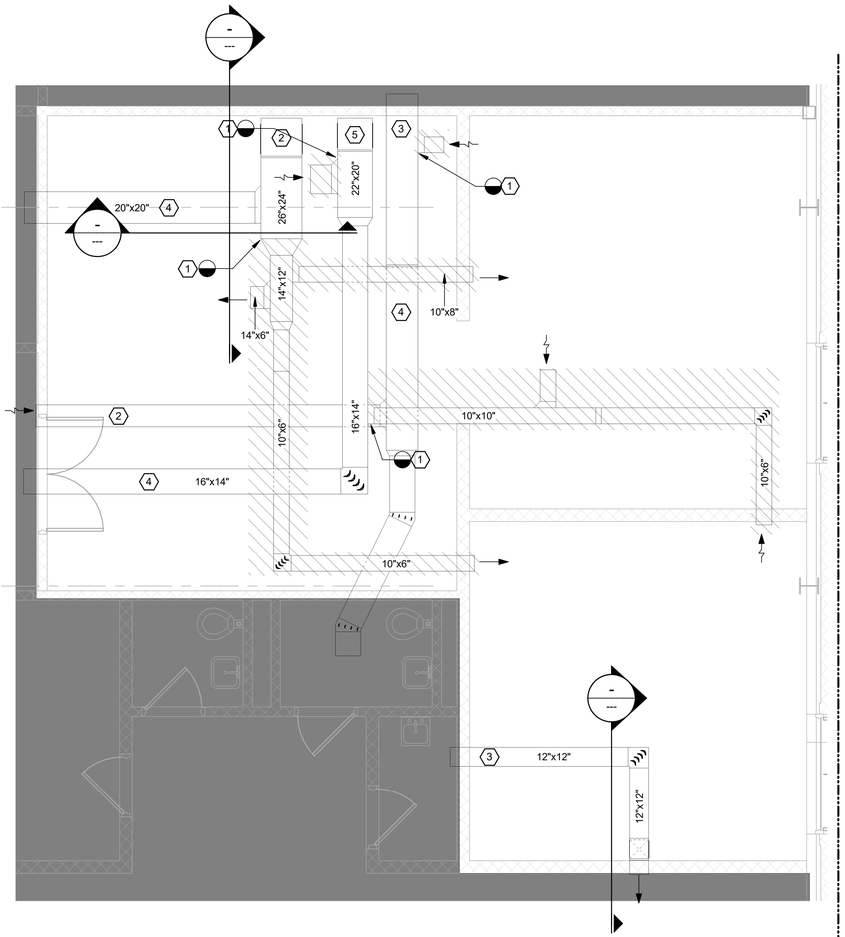
2 SUPPLY DUCT CONTINUES. FROM HV-1 ON 2301 M.E.R. NOT IN SCOPE.

3 SUPPLY DUCT CONTINUES. FROM GUH-4.

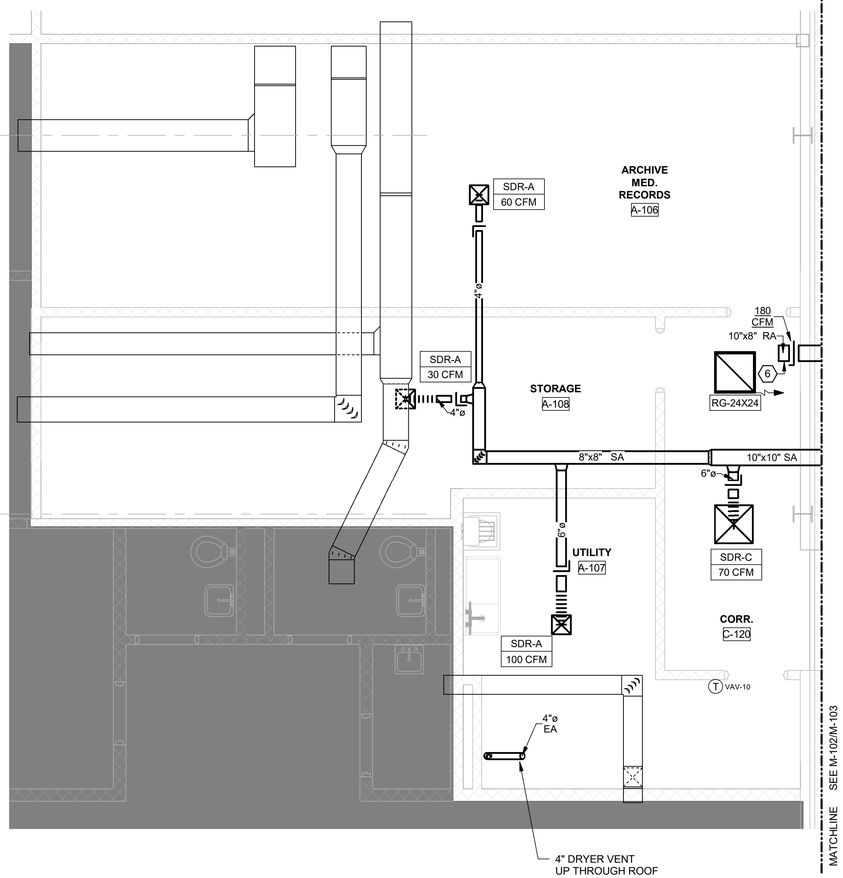
4 EXISTING DUCTWORK TO REMAIN. TYPICAL.

5 EXHAUST DUCT CONTINUES. TO EF-1 ON 2301 M.E.R. NOT IN SCOPE.

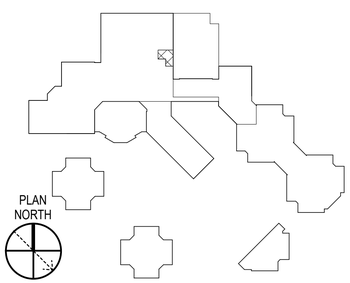
6 OPEN ENDED RETURN DUCT WITH WIRE MESH SCREEN. PROVIDE WITH BELLMOUTH, REFER TO MECHANICAL DETAILS SHEET. TYPICAL ALL OPENINGS.



1 M-107 ENLARGED PLAN - STORAGE DEMOLITION
SCALE: 1/4" = 1'-0"



2 M-107 ENLARGED PLAN - STORAGE NEW WORK
SCALE: 1/4" = 1'-0"



KEY PLAN: NTS

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

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BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ENLARGED PLAN - STORAGE

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M-107

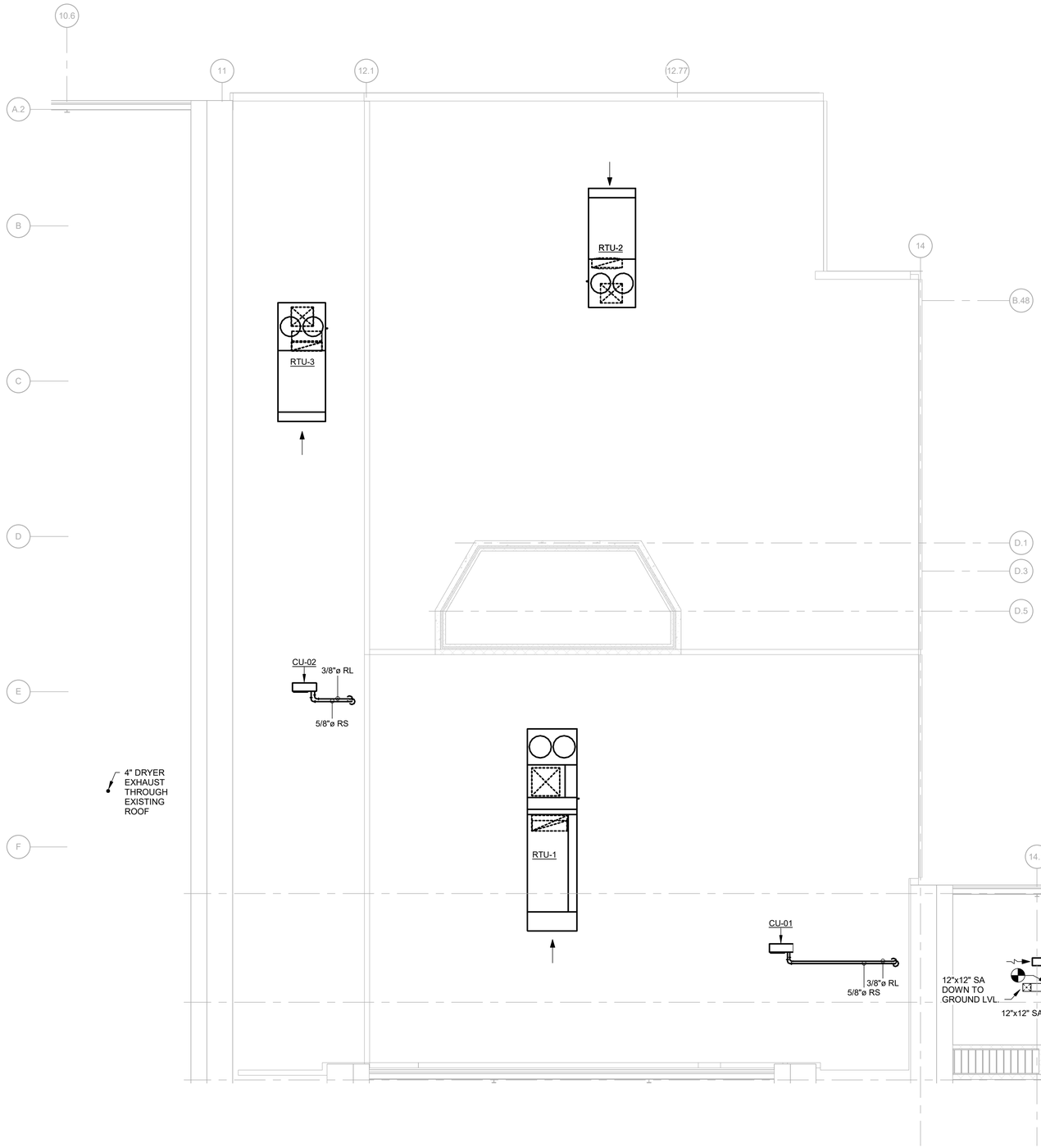
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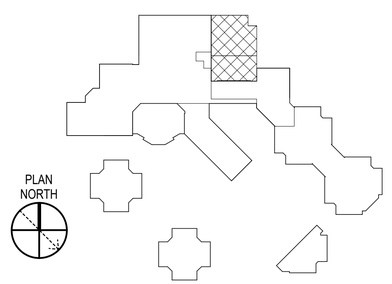
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SHEET NOTES

1. REFER TO M-002 FOR GENERAL NOTES.





KEY PLAN: NTS

1 M-108 ROOF NEW WORK PLAN
SCALE: 1/8" = 1'-0"

8' 0' 8' 16'
SCALE: 1/8" = 1'-0"

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INFIRMARY EXPANSION

ROOF NEW WORK PLAN

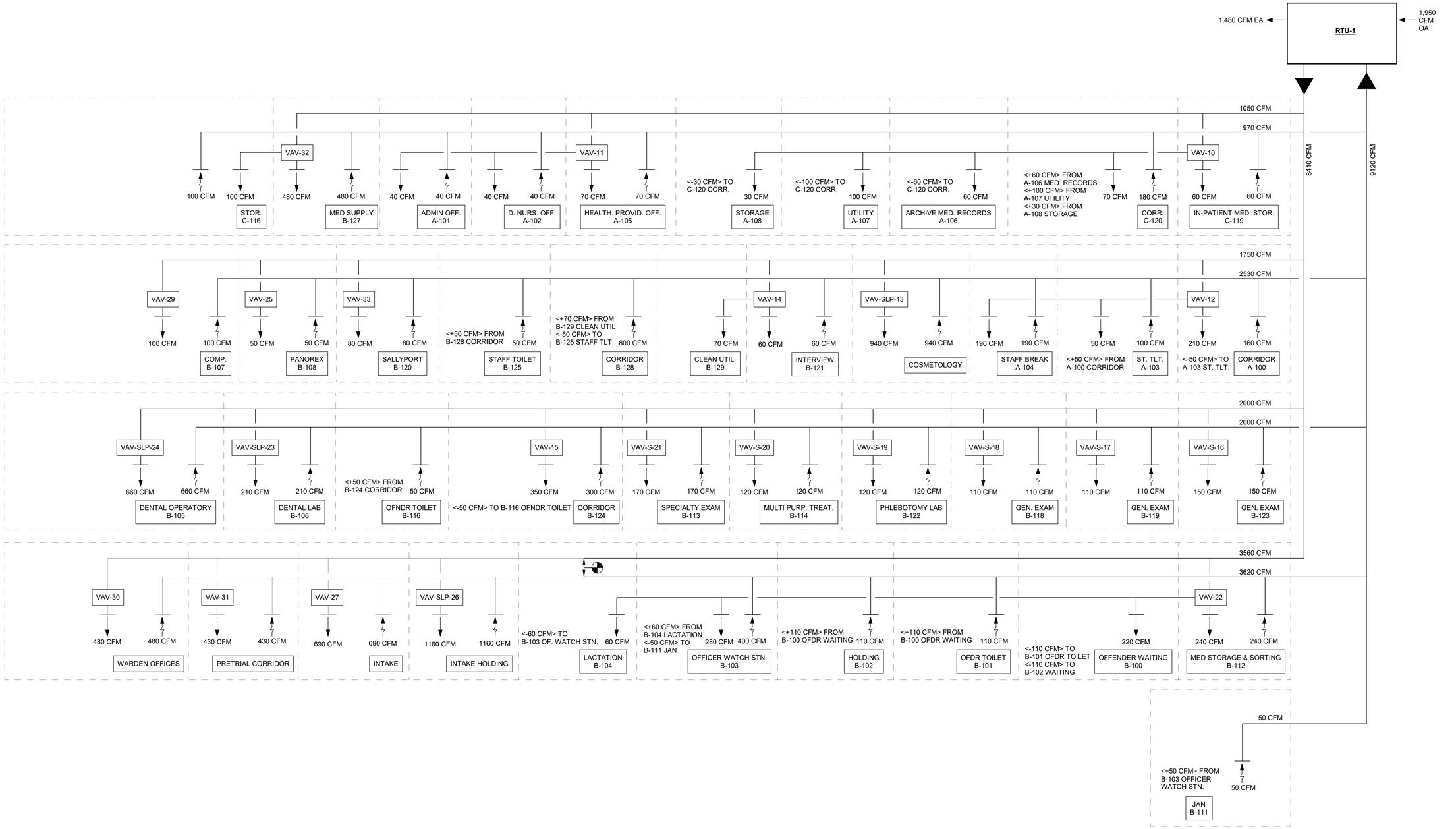
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1 M-501 AIRFLOW DIAGRAM - RTU-1
SCALE: N.T.S

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
AIRFLOW DIAGRAMS - RTU-1

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DESN:	R. LEGECKAS
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CHKD:	M. GRAF

M-501

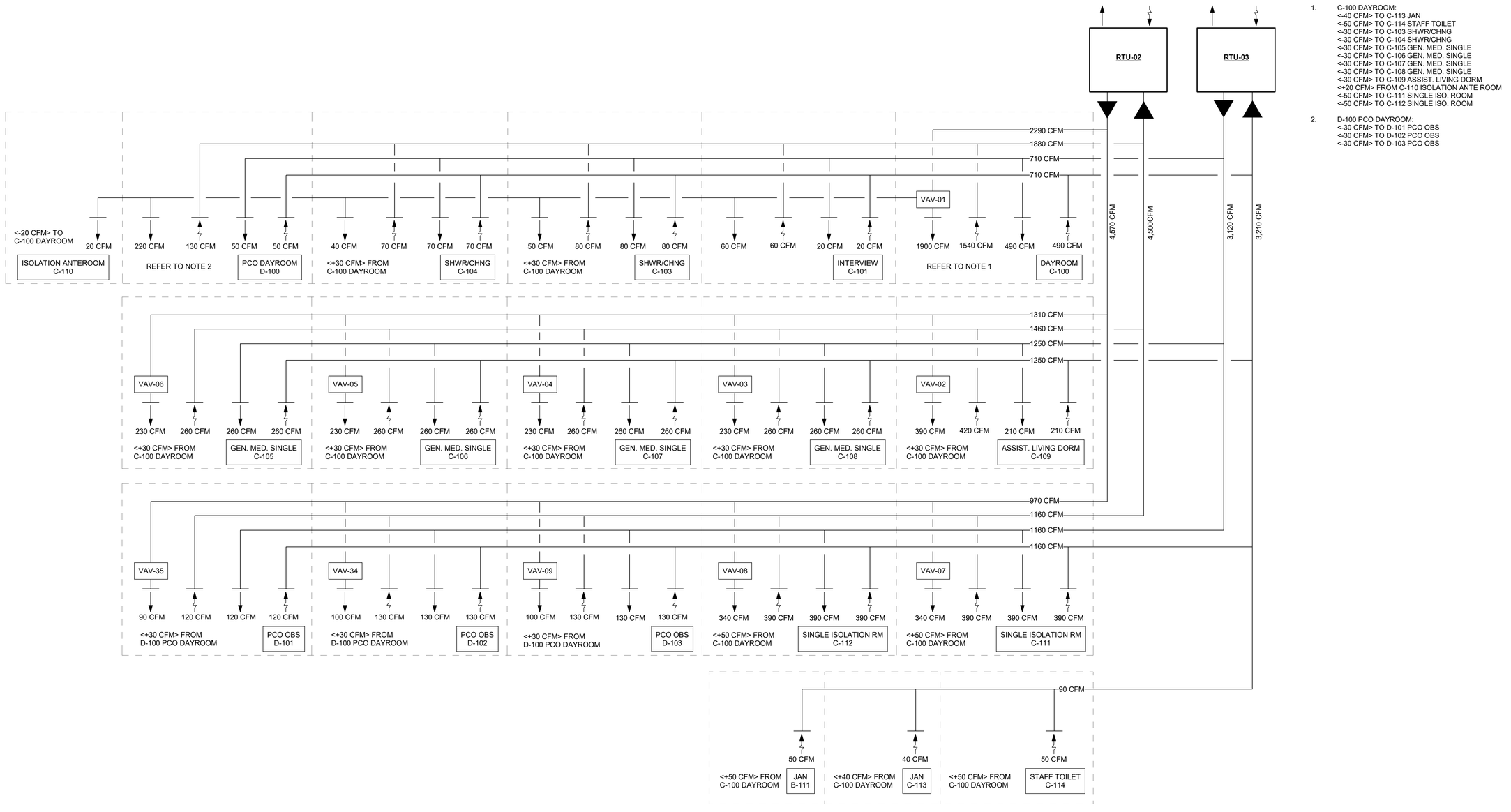
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1 M-502 AIRFLOW DIAGRAM - RTU-2 & RTU-3
SCALE: N.T.S

NOTES

1. C-100 DAYROOM:
   <-40 CFM> TO C-113 JAN
   <-50 CFM> TO C-114 STAFF TOILET
   <-30 CFM> TO C-103 SHWR/CHNG
   <-30 CFM> TO C-104 SHWR/CHNG
   <-30 CFM> TO C-105 GEN. MED. SINGLE
   <-30 CFM> TO C-106 GEN. MED. SINGLE
   <-30 CFM> TO C-107 GEN. MED. SINGLE
   <-30 CFM> TO C-108 GEN. MED. SINGLE
   <-30 CFM> TO C-109 ASSIST. LIVING DORM
   <+20 CFM> FROM C-110 ISOLATION ANTE ROOM
   <-50 CFM> TO C-111 SINGLE ISO. ROOM
   <-50 CFM> TO C-112 SINGLE ISO. ROOM
2. D-100 PCO DAYROOM:
   <-30 CFM> TO D-101 PCO OBS
   <-30 CFM> TO D-102 PCO OBS
   <-30 CFM> TO D-103 PCO OBS

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MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	M.JG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
AIRFLOW DIAGRAMS - RTU-2 & RTU-3

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DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-502

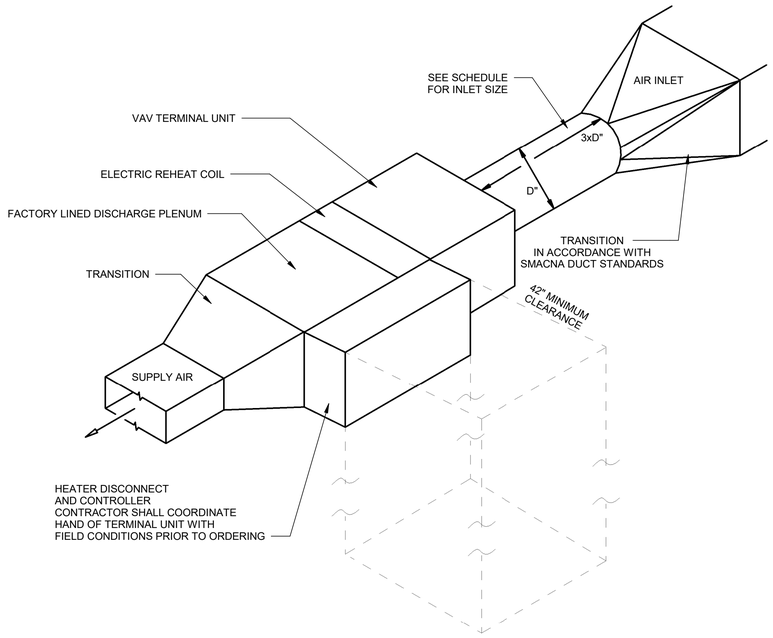
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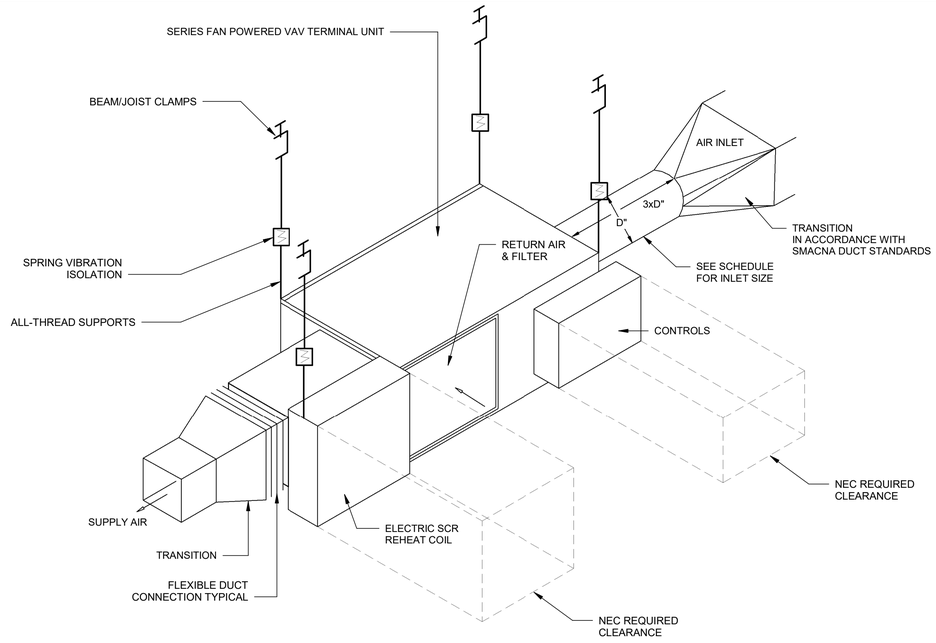
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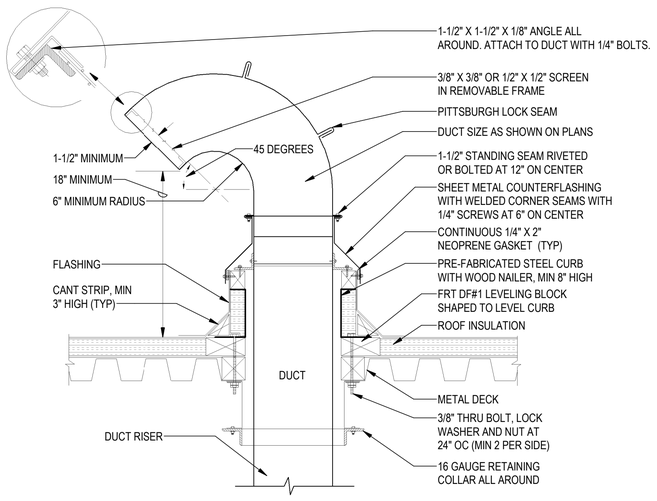


1 M-601 VAV TERMINAL UNIT DETAIL
SCALE: N.T.S.



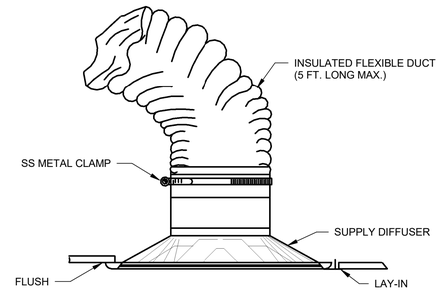
NOTE:
1. COORDINATE ORIENTATION OF EACH UNIT WITH DRAWING PLANS (LEFT HAND/RIGHT HAND ACCESS).

2 M-601 SERIES FAN POWERED VAV TERMINAL UNIT DETAIL
SCALE: N.T.S.



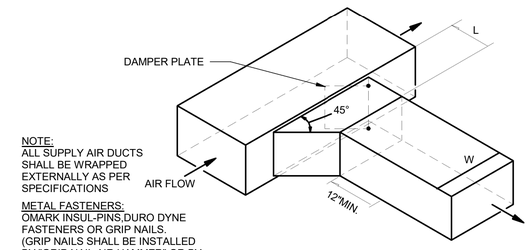
NOTES:
1. COORDINATE ROOF OPENING, BLOCKING, CURBING, CANT STRIP & FLASHING WITH OWNER PROVIDED CONTRACTOR.
2. MAINTAIN 15' CLEARANCE BETWEEN OUTSIDE AIR INTAKE AND EXHAUST/RELIEF,PLUMBING VENT OPENINGS. MAINTAIN MINIMUM 25' CLEARANCE AT CRITICAL AREAS AND HEALTHCARE SPACES.
3. PROVIDE PACKING AND SEALING MATERIALS AS REQUIRED BY ROOF RATING.
4. ALL SIZING, LOCATION, ANCHORING AND SEISMIC RESTRAINTS SHALL BE COORDINATED WITH STRUCTURAL DESIGN.

3 M-601 GOOSENECK VENTILATOR-METAL ROOF
SCALE: 1/8" = 1'-0"



NOTE
1. ROUTE FLEX DUCT AS STRAIGHT AS POSSIBLE AND WITH ONE ELBOW MAX.

4 M-601 DIFFUSER WITH FLEXIBLE CONNECTION DETAIL
SCALE: N.T.S.



NOTE:
ALL SUPPLY AIR DUCTS SHALL BE WRAPPED EXTERNALLY AS PER SPECIFICATIONS

METAL FASTENERS:
OMARK INSUL-PINS,DURO DYNE FASTENERS OR GRIP NAILS. (GRIP NAILS SHALL BE INSTALLED BY "GRIP NAIL AIR HAMMER" OR BY "AUTOMATIC FASTENER EQUIP")

5 M-601 BRANCH DUCT TAKE-OFF AND DAMPER DETAIL
SCALE: N.T.S.

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OMB/DRM CONTRACT # MJ38040000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

DETAILS SHEET 1 OF 2

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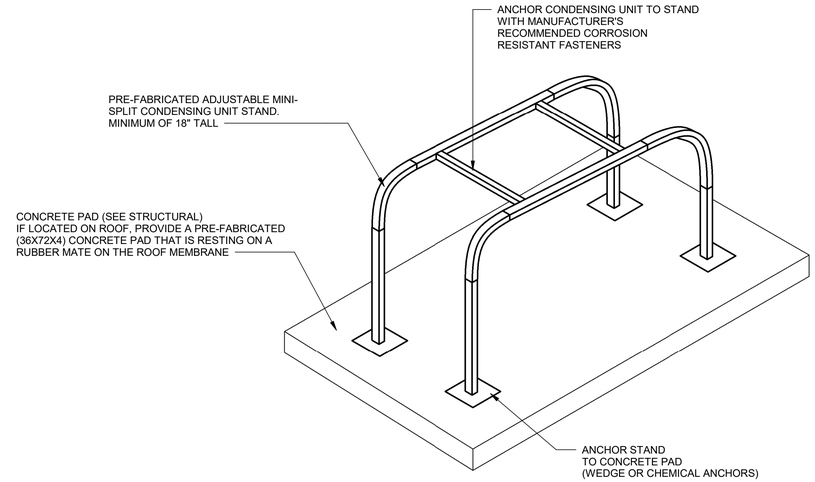
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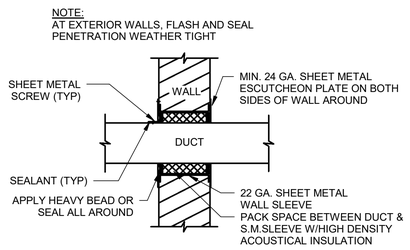
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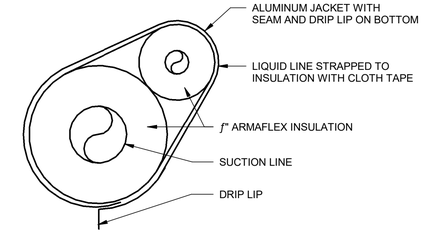
1 M-602 CONDENSING UNIT SUPPORT DETAIL

SCALE: N.T.S



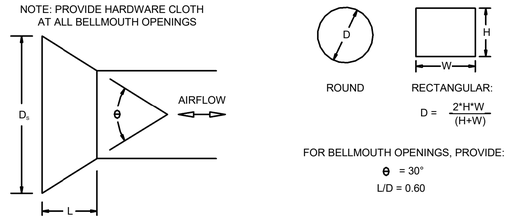
2 M-602 DUCT PENETRATION THROUGH NON-FIRE RATED WALL

SCALE: N.T.S.



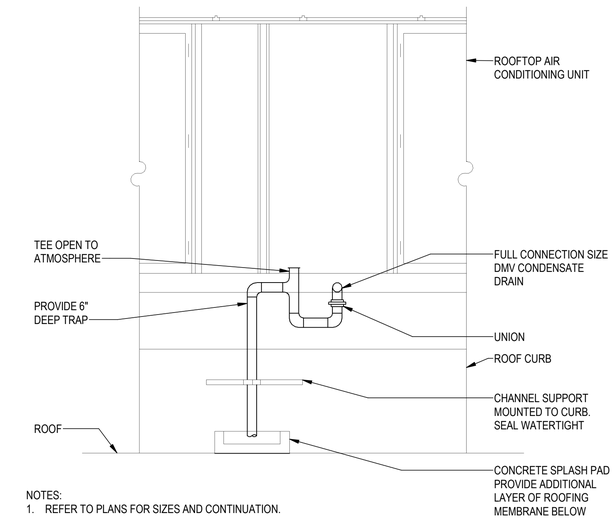
3 M-602 EXTERIOR REFRIGERANT LINE INSULATION DETAIL

SCALE: N.T.S.



4 M-602 BELLMOUTH DUCT OPENING DETAIL

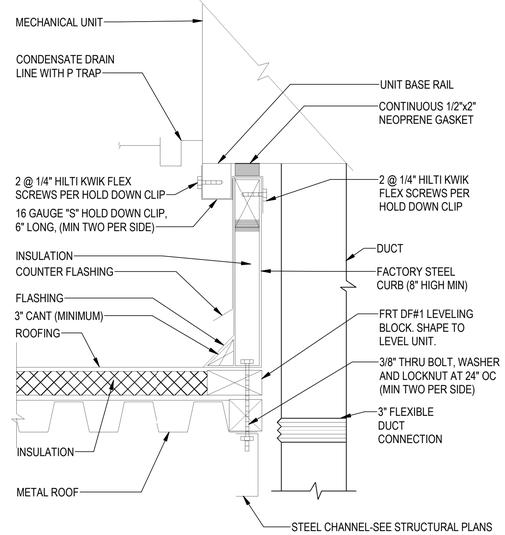
SCALE: N.T.S.



NOTES:
1. REFER TO PLANS FOR SIZES AND CONTINUATION.

5 M-602 AC UNIT CONDENSATE DRAIN DETAIL

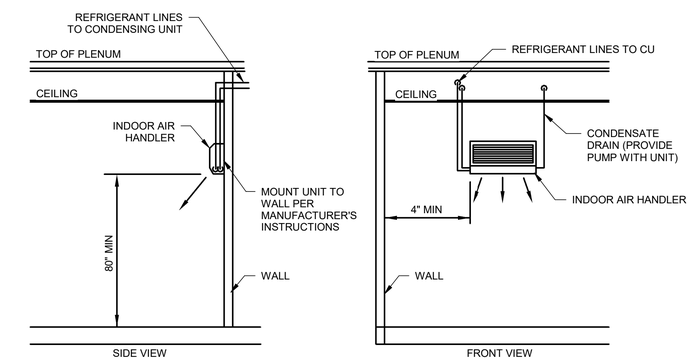
SCALE: NONE



NOTE:
1. COORDINATE EXACT ROOF CONSTRUCTION MEANS AND METHODS WITH ARCHITECTURAL AND STRUCTURAL DESIGNS.

6 M-602 ROOF CURB DETAIL

SCALE: NONE



NOTE: WALL MOUNTED THERMOSTAT SHALL BE PROVIDED.

7 M-602 DUCTLESS AIR HANDLING UNIT DETAIL

SCALE: N.T.S.

IMPORTANT - DO NOT DISTRIBUTE

NOTE: THESE DRAWINGS ARE CONFIDENTIAL FOR OFFICIAL USE ONLY , NOT FOR PUBLIC DISTRIBUTION; A DETERMINATION HAS BEEN MADE THAT THE PUBLICATION OF THESE PLANS COULD COMPROMISE PUBLIC SAFETY AND ARE NOT AVAILABLE PURSUANT TO DELAWARE CODE, TITLE 29, & 10002 (1) (17) (a) (2) AND (3)

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MITCHELL GRAF LICENSE No. 23519 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MJG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

DETAILS SHEET 2 OF 2

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-602

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Bar measures 1 inch, otherwise drawing is not to scale

ENERGY RECOVERY UNIT SCHEDULE (RTU)

TAG	SUPPLY FAN					EXHAUST FAN					ENERGY RECOVERY PERFORMANCE						DX COOLING					
											OUTDOOR AIR	SUPPLY AIR										
													SUMMER		WINTER							
	DESIGN AIRFLOW (CFM)	ESP (IN H2O)	SPEED (RPM)	BHP	HP	DESIGN AIRFLOW (CFM)	ESP (IN H2O)	SPEED (RPM)	FAN BHP	HP	SUMMER E.A.T. DB/WB (°F)	WINTER E.A.T. DB/WB (°F)	E.A.T. DB/WB (°F)	L.A.T. DB (°F)	E.A.T. DB/WB (°F)	L.A.T. DB (°F)	COOLING TOTAL CAPACITY	COOLING SENSIBLE CAPACITY	COOLING EAT DB/WB (F)	COOLING LAT DB/WB (F)	COOLING DESIGN AMBIENT TEMP. (F)	COOLING APD (IN H2O)
RTU-1	7000	2	1637	7.88	10	7000	1	1705	5.54	6.1	81.9/77.2	13.3/10	76/63	78	70/50	50.4	338.6	212.7	78 / 71.1	48.8 / 55.8	95	0.24
RTU-2	2800	2	2864	2.43	4.4	2800	1	2596	1.75	3	81.9/77.2	13.3/10	76/63	78.2	70/50	49.1	144.5	73.7	78.2 / 70.2	52.8 / 53.4	95	0.26
RTU-3	3500	2	2102	3.52	4.3	3500	1	2990	2.54	4.4	81.9/77.2	13.3/10	76/63	78.4	70/50	47.1	173.2	82.4	78.4 / 70.8	55.7 / 55.0	95	0.22

ENERGY RECOVERY UNIT SCHEDULE CONT. (RTU)

TAG	HOT GAS REHEAT			ELECTRIC HEAT					ELECTRICAL				REFRIGERANT TYPE	WEIGHT (LBS)	DIMENSIONS (L"XW"XH")	MANUFACTURER	MODEL	NOTES
	TOTAL CAPACITY (MBH)	LAT DB/WB (F)	APD (IN H2O)	AIRFLOW (CFM)	CAPACITY (MBH)	EAT (F)	LAT (F)	APD (IN H2O)	VOLTS / PH / HZ	UNIT FLA	MCA	MOP						
RTU-1	N/A	N/A	N/A	7000	68.3	50.4	59.3	0.23	460/3/60	82.8	90.6	110	R32	6256	312 X 72 X 77	DAIKIN	DPSC31B	
RTU-2	N/A	N/A	N/A	2800	61.4	49.1	69.3	0.12	460/3/60	35.6	41.8	60	R32	3676	184 X 86 X 73	DAIKIN	DPSC12B	
RTU-3	54.3	70 / 60.3	0.05	3500	61.4	47.1	63.3	0.18	460/3/60	42.8	50.5	80	R32	3895	184 X 86 X 73	DAIKIN	DPSC15B	

DIFFUSERS, GRILLES, & REGISTER SCHEDULE

TAG	DESCRIPTION	PANEL SIZE (IN)	NECK SIZE (IN)	AIRFLOW (CFM)1	MAX S.P.D (IN. WG)	MAX NC	MAX THROW (150-100-50 FPM)	MATERIAL	MANUFACTURER	MODEL	NOTES
RG-6X6	MAX SECURITY RETURN GRILLE	6 X 6	6 X 6	0 - 75 CFM	.2	30	4-6-10	STEEL	PRICE	MSRRG	
RG-12X12	MAX SECURITY RETURN GRILLE	12 X 12	12 X 12	50 - 150 CFM	.05	-	3-6-13	STEEL	PRICE	MSRRG	
RG-12X48	MAX SECURITY RETURN GRILLE	12 X 48	12 X 48	450- 1000 CFM	.14	31	14-22-36	STEEL	PRICE	MSRRG	
RG-24X24	PERFORATED RETURN GRILLE	24 X 24	24 X 24	0 - 1805 CFM	.12	20	-	ALUMINUM	PRICE	10	
RG-24X48	MAX SECURITY RETURN GRILLE	24 X 48	24 X 48	0 - 1000 CFM	.14	31	14-22-36	STEEL	PRICE	MSRRG	
RGR-A	ROUND NECK RETURN GRILLE	12 X 12	6	0 -105 CFM	.17	25	-	ALUMINUM	PRICE	10	
RGS-A	MAX SECURITY RETURN GRILLE	8 X 8	8 X 8	45 - 135 CFM	.20	31	6-9-13	STEEL	PRICE	MSRRG	
RGS-B	MAX SECURITY RETURN GRILLE	14 X 14	14 X 14	135 - 275 CFM	.09	22	6-10-19	STEEL	PRICE	MSRRG	
RGS-C	MAX SECURITY RETURN GRILLE	16 X 16	16 X 16	275-450 CFM	.14	29	10-14-24	STEEL	PRICE	MSRRG	
RGS-D	MAX SECURITY RETURN GRILLE	12 X 12	6	0 -50 CFM	.09	19	2-4-8	STEEL	PRICE	MSRRG	
SDR-A	ROUND NECK SUPPLY DIFFUSER	12 X 12	4	0 - 75 CFM	.09	15	3-4-7	ALUMINUM	PRICE	SPD	
SDR-B	ROUND NECK SUPPLY DIFFUSER	12 X 12	6	75 - 150 CFM	.15	20	4-6-10	ALUMINUM	PRICE	SPD	
SDR-C	ROUND NECK SUPPLY DIFFUSER	24 X 24	6	0 - 140 CFM	.03	-	2-3-6	ALUMINUM	PRICE	SPD	
SDR-D	ROUND NECK SUPPLY DIFFUSER	24 X 24	8	140 - 315 CFM	.09	23	4-6-9	ALUMINUM	PRICE	SPD	
SDR-E	ROUND NECK SUPPLY DIFFUSER	24 X 24	12	315- 550 CFM	.13	21	5-7-12	ALUMINUM	PRICE	SPD	
SDS-A	MAX SECURITY LOUVERED SQUARE DIFFUSER	6 X 6	6 X 6	0 - 50 CFM	.09	19	2-4-8	STEEL	PRICE	MSRRCD	
SDS-B	MAX SECURITY LOUVERED SQUARE DIFFUSER	8 X 8	8 X 8	50 - 135 CFM	.03	31	6-9-13	STEEL	PRICE	MSRRCD	
SDS-C	MAX SECURITY LOUVERED SQUARE DIFFUSER	12 X 12	12 X 12	40 - 260 CFM	.15	29	7-11-18	STEEL	PRICE	MSRRCD	
SDS-E	MAX SECURITY LOUVERED SQUARE DIFFUSER	18 X 18	18 X 18	300 - 560 CFM	.14	29	11-16-27	STEEL	PRICE	MSRRCD	

NOTES:

1. PRICE INDUSTRIES MODEL MSRRCD "MAXIMUM SECURITY RISK RESISTANT" CEILING DIFFUSERS SHALL HAVE LOUVERED SUPPLY GRILLES WITH 1-WAY, 2-WAY, 3-WAY AND 4-WAY POSSIBLE ORIENTATIONS.
2. ALL EXHAUST AIR WALL MOUNTED GRILLES IN TOILET PLENUMS SHALL INCLUDE WALL SLEEVES.

VARIABLE AIR VOLUME (VAV) TERMINAL UNITS SCHEDULE

TAG	INLET SIZE (IN)	DESIGN PRIMARY FLOW (CFM)	MIN PRIMARY FLOW (CFM)	EXTERNAL STATIC PRESSURE (IN-WG)	HEATER (KW)	HEATING E.A.T (DEG F)	HEATING L.A.T (DEG F)	VOLTS / PH / HZ	MANUFACTURER	MODEL	NOTES
VAV-01	14	1930	560	0.23	12.0	55	95	480/3/60	PRICE	SDV-14	
VAV-02	5	140	40	0.03	0.5	55	95	120/1/60	PRICE	SDV-05	
VAV-03	4	100	40	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	
VAV-04	4	100	40	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	
VAV-05	4	100	40	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	
VAV-06	4	100	40	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	
VAV-07	4	100	40	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	
VAV-08	4	100	40	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	
VAV-09	4	50	50	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	
VAV-10	6	320	150	0.25	2.0	55	85	208/3/60	PRICE	SDV-06	
VAV-11	5	150	50	0.03	1.0	55	75	120/1/60	PRICE	SDV-05	
VAV-12	7	450	120	0.25	1.0	55	75	120/1/60	PRICE	SDV-06	
VAV-14	5	250	70	0.06	1.0	55	75	120/1/60	PRICE	SDV-05	
VAV-15	6	350	110	0.25	1.0	55	75	120/1/60	PRICE	SDV-06	
VAV-22	9	800	220	0.21	2.0	55	75	208/3/60	PRICE	SDV-08	
VAV-25	4	60	60	0.02	0.5	55	75	120/1/60	PRICE	SDV-04	
VAV-27	14	690	350	0.08	10.0	55	75	480/3/60	PRICE	SDV-14	
VAV-29	4	100	30	0.03	0.5	55	75	120/1/60	PRICE	SDV-04	
VAV-30	10	480	150	0.08	6.0	55	75	480/3/60	PRICE	SDV-10	
VAV-31	12	430	130	0.11	8.0	55	85	480/3/60	PRICE	SDV-12	
VAV-32	7	450	450	0.20	3.0	55	75	208/3/60	PRICE	SDV-07	
VAV-33	4	80	40	0.03	0.5	55	75	120/1/60	PRICE	SDV-04	
VAV-34	4	50	50	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	
VAV-35	4	50	50	0.03	0.5	55	95	120/1/60	PRICE	SDV-04	

SERIES FAN POWERED TERMINAL UNITS SCHEDULE

TAG	INLET SIZE (IN)	DESIGN PRIMARY FLOW (CFM)	MIN PRIMARY FLOW (CFM)	FAN MOTOR HP	HEATER (KW)	HEATING EAT (°F)	HEATING LAT (DEG F)	VOLTS / PH / HZ	MANUFACTURER	MODEL	NOTES
VAV-S-16	4	100	50	1/3	1.0	55	78	208/1/60	PRICE	FDC-1004	
VAV-S-17	4	110	60	1/3	0.5	55	85	208/1/60	PRICE	FDC-1004	
VAV-S-18	4	110	50	1/3	0.5	55	85	208/1/60	PRICE	FDC-1004	
VAV-S-19	4	130	50	1/3	0.5	55	78	208/1/60	PRICE	FDC-1004	
VAV-S-20	4	140	70	1/3	1.0	55	77	208/1/60	PRICE	FDC-1004	
VAV-S-21	4	200	100	1/3	1.0	55	76	208/1/60	PRICE	FDC-1004	
VAV-SLP-13	6	940	290	1/3	4.0	55	75	208/3/60	PRICE	FDCLP2-2006L	
VAV-SLP-23	4	210	100	1/3	1.0	55	75	208/1/60	PRICE	FDCLP2-1004L	
VAV-SLP-24	6	660	200	1/3	2.0	55	75	208/1/60	PRICE	FDCLP2-1006L	
VAV-SLP-26	10	1160	390	2 X 1/3	3.0	55	75	208/1/60	PRICE	FDCLP2-5010L	

MINI-SPLIT INDOOR UNIT SCHEDULE

TAG	TYPE	AIRFLOW (CFM)	COOLING CAPACITY (MBH)	MCA (A)	MOP (A)	VOLTS / PH / HZ	ASSOCIATED EQUIPMENT	MANUFACTURER	MODEL	NOTES
FCU-01	WALL MOUNTED	500	24	0.4	15	208 / 1 / 60	CU-01	DAIKIN	SKYAIR-FAQ24	
FCU-02	WALL MOUNTED	500	18	0.4	15	208 / 1 / 60	CU-02	DAIKIN	SKYAIR-FAQ18	

MINI-SPLIT OUTDOOR UNIT SCHEDULE

TAG	TYPE	COOLING TOTAL CAPACITY (MBH)	MCA	MOP	VOLTS / PH / HZ	ASSOCIATED EQUIPMENT	MANUFACTURER	MODEL	NOTES
CU-01	AIR COOLED	24	16.5	20	208 / 1 / 60	FCU-01	DAIKIN	SKYAIR-RZR24	
CU-02	AIR COOLED	18	16.5	20	208 / 1 / 60	FCU-02	DAIKIN	SKYAIR-RZR18	

ELECTRIC UNIT HEATER SCHEDULE

TAG	LOCATION	CAPACITY (MBH)	AIR FLOW (CFM)	VOLTS / PH / HZ	AMPS	MANUFACTURER	MODEL	NOTES
UH-1	C-102 - SPRINKLER ROOM	17.0	350	208 / 1 / 60	24	QMARK	MUH	1

NOTES:

1. PROVIDE WITH HANGING KIT AND THERMOSTAT.

IMPORTANT - DO NOT DISTRIBUTE

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MITCHELL GRAF LICENSE No. 23519 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MJG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
SCHEDULES

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-701

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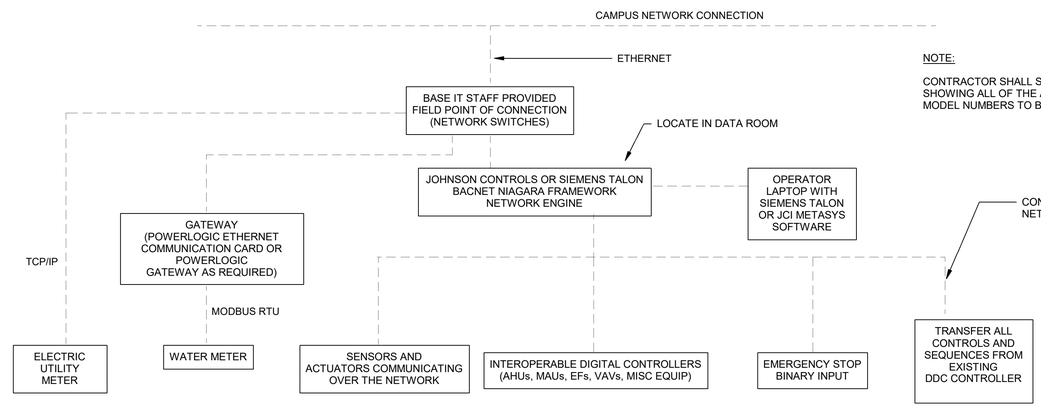
7/21/2026 11:04:02 AM Autodesk Docs://213-26912-22005 Baylor Women's Correctional Institution/M-BWCI INFIRMIRY ADDITION-26912-22005_v2023.rvt

Bar measures 1 inch, otherwise drawing is not to scale

POINT SCHEDULE INSTRUCTIONS FOR THE BUILDING CONTROLS CONTRACTOR
GENERAL:

1. THE CONTRACT DRAWING POINTS SCHEDULES ASSUME THAT THE ENTIRE SEQUENCE OF OPERATION IS PERFORMED IN A SINGLE PIECE OF DDC HARDWARE. IN CASES WHERE MULTIPLE PIECES OF DDC HARDWARE ARE USED, SEPARATE THE POINTS SCHEDULE INTO SEPARATE TABLES EACH WITH ITS OWN HEADER INFORMATION (SEE BELOW) SO THAT EACH PIECE OF DDC HARDWARE HAS A TABLE DEDICATED TO IT. ALL TABLES FOR A SINGLE SEQUENCE OF OPERATION SHALL BE ON A SINGLE DRAWING WHICH MAY SPAN MULTIPLE SHEETS. SHOW COMMUNICATION BETWEEN MULTIPLE PIECES OF DDC HARDWARE PERFORMING A COMMON SEQUENCE THROUGH THE USE OF NVI AND NVO ENTRIES IN THE I/O COLUMN (SEE I/O COLUMN INSTRUCTIONS BELOW), ADDING ROWS TO THE TABLE(S) AS NEEDED.
2. ENTRIES SHOWN BRACKETED AS: < ___ > ARE REQUIRED ENTRIES UNDER UFGS-23 09 23. SOME ENTRIES WITHOUT BRACKETS MAY BE REQUIRED IN SOME INSTANCES AS DESCRIBED IN THESE INSTRUCTIONS.
   A. SPACES WHERE NO ENTRY IS ORDINARILY REQUIRED CONTAINS A TILDE: " ~ " (EQUIVALENT TO AN "N/A" OR NULL VALUE)
   B. WHEN AN ENTRY APPEARS INSIDE OF BRACKETS, IT IS A RECOMMENDED ENTRY THAT MUST BE VERIFIED OR CHANGED BY THE APPROPRIATE PARTY (AS INDICATED BY THE BRACKET TYPE). WHEN EDITING THE POINT SCHEDULES, DELETE THE BRACKETS AFTER VERIFYING/PROVIDING THE ENTRY. DO NOT LEAVE CELLS BLANK, INSTEAD SHOW THE TILDE ("~") OR GREY OUT TO INDICATE A NULL VALUE OR THAT NO FURTHER ENTRY IS REQUIRED.
3. HEADER INFORMATION INSTRUCTIONS:
   a. DDC HARDWARE IDENTIFIER: SHOW THE IDENTIFIER FOR EACH PIECE OF DDC HARDWARE. MAINTAIN CONSISTENCY AND UNIQUENESS F DDC HARDWARE IDENTIFIERS BETWEEN ALL DRAWINGS.
4. "GENERAL" COLUMNS:
   A. NAME COLUMN: SHOW POINT NAMES AS NEEDED AND AS INDICATED BY BRACKETS (<___>). THE NAME SHALL BE CONSISTENT WITH POINT NAMES SHOWN ON ALL OTHER DRAWINGS AND SHALL USE THE ESTABLISHED POINT ABBREVIATIONS.
   B. SETTING COLUMN: CONFIGURE DEVICES TO USE THE SETPOINTS AND SETTINGS SHOWN. WHEN A SETPOINT OR SETTING IS NOT SHOWN, USE VALUES IN ACCORDANCE WITH THE SPECIFICATION AND SHOW THE SETPOINT OR SETTING USED. INCLUDE THE APPROPRIATE ENGINEERING UNITS FOR ENTRIES IN THIS COLUMN.
   C. RANGE COLUMN: CONFIGURE DEVICES TO USE THE RANGES SHOWN. WHEN A RANGE IS NOT SHOWN, USE VALUES IN ACCORDANCE WITH THE SPECIFICATION AND SHOW THE RANGE USED. FOR SENSORS SHOW THE ACTUAL SENSOR RANGE (THIS RANGE MUST AT LEAST ENCOMPASS THE RANGE SPECIFIED IN SECTION 23 09 23). FOR DAMPER ACTUATORS SHOW THE ACTUAL RANGE OVER WHICH THE VALVE OR DAMPER IS ACTUATED. INCLUDE THE APPROPRIATE ENGINEERING UNITS FOR ENTRIES IN THIS COLUMN.
   D. I/O TYPE COLUMN: SHOW THE I/O TYPE FOR EACH POINT AS ONE (OR MORE) OF THE FOLLOWING:
      a. AI FOR ANALOG INPUTS
      b. AO FOR ANALOG OUTPUTS
      c. BI FOR BINARY INPUTS
      d. BO FOR BINARY OUTPUTS
      e. NVO FOR NETWORK VARIABLE OUTPUTS (BOUND TO ANOTHER PIECE OF DDC HARDWARE)
      f. NVI FOR NETWORK VARIABLE INPUTS (BOUND FROM ANOTHER PIECE OF DDC HARDWARE)
      g. IF MORE THAN ONE PIECE OF DDC HARDWARE IS USED TO IMPLEMENTA SEQUENCE AND THE VALUE OF A PHYSICAL INPUT TO ONE IS NEEDED BY THE OTHER, SHOW THE POINT AS BOTH A HARDWARE INPUT (AI OR BI) AND A NETWORK VARIABLE OUTPUT (NVO) ON THE FIRST AND AS A NETWORK VARIABLE INPUT (NVI) TO THE OTHER DDC HARDWARE. SIMILARLY FOR OUTPUTS SHOW A NETWORK VARIABLE OUTPUT (NVO) ON ONE CONTROLLER, AND A NETWORK VARIABLE INPUT (NVI) AND HARDWARE OUTPUT (AO OR BO) ON THE OTHER.
      h. AN ENTRY OF NVO IS ONLY REQUIRED FOR OUTPUTS THAT ARE USED BY ANOTHER PIECE OF DDC HARDWARE; POINTS THAT HAVE SNVT OUTPUTS ONLY FOR DISPLAY OR TRENDING AT AN LDP OR BY THE M&C SOFTWARE ARE ASSUMED TO BE NVOS AND DO NOT NEED AN NVO ENTRY IN THE I/O COLUMN.
      i. FOR EVERY ENTRY OF NVO OR NVI SHOW THE SNVT NAME AND TYPE IN THE SNVT NAME AND SNVT TYPE COLUMNS UNDER LDP AND M & C DISPLAY. SEE "SNVT TYPE COLUMN"INSTRUCTIONS BELOW.
   E. HOA REQ'D COLUMN: FOR EACH OUTPUT WITH AN "X"IN THIS COLUMN PROVIDE A HARDWARE MANUAL OVERRIDE FOR THAT OUTPUT:
      a. THE MANUAL OVERRIDE SWITCH FOR BINARY OUTPUTS SHALL PROVIDE FOR OVERRIDING THE OUTPUT OPEN OR CLOSED
      b. THE MANUAL OVERRIDE SWITCH FOR ANALOG OUTPUTS SHALL EITHER:
         • PROVIDE FOR OVERRIDING THE OUTPUT TO 0% OR 100%
         • PROVIDE FOR OVERRIDING THROUGH THE RANGE OF 0% TO 100%.
      c. THE MANUAL OVERRIDE SHALL BE INTEGRATED WITH THE CONTROLLER HARDWARE OR AN EXTERNAL OVERRIDE CO-LOCATED WITH (IN THE SAME ENCLOSURE AS) THE CONTROLLER.
5. LDP AND M & C DISLAY COLUMNS:
   A. M&C VIEW AND OVRD. INDICATION WHETHER A PIONT IS TO BE DISPLAYED ON A WORKSTATION VIA MONITORING AND CONTROL (M&C) SOFTWARE AND WHETHER THE POINT MUST BE OVERRIDABLE FROM THE M&C DISPLAY.
      a. ~: NO VIEW OR OVERRIDE REQUIRED.
      b. V: VIEW: THE POINT MUST BE DISPLAYED ON THE SYSTEM GRAPHICS.
      c. VO: OVERRIDE: THE POINT MUST BE DISPLAYED AND OVERRIDABLE VIA THE SYSTEM GRAPHICS.
   B. LDP VIEW REQ'D COLUMN: PROVIDE A LOCAL DISPLAY PANEL (LDP) AND CONFIGURE THE BUILDING CONTROL NETWORK AND THE LDP TO DISPLAY POINTS AND ALSO PROVIDE AN OVERRIDE IF INDICATED.
      a. ~: NO VIEW OR OVERRIDE REQUIRED.
      b. V: VIEW: THE POINT MUST BE DISPLAYED ON THE SYSTEM GRAPHICS.
      c. VO: OVERRIDE: THE POINT MUST BE DISPLAYED AND OVERRIDABLE VIA THE SYSTEM GRAPHICS.
6. OVERRIDES COLUMN:
   A. OBJECT TYPE AND INSTANCE NUMBER: FOR ANY POINT (EXCEPT FOR POINTS WITHIN A NIAGARA FRAMEWORK SUPERVISORY GATEWAY REQUIRING AN OVERRIDE, DOCUMENT THE OBJECT USED FOR OVERRIDING THE POINT. VALID ENTRIES ARE AS FOLLOWS:
      a. "COMMANDABLE": INDICATES THAT THE POINT'S OBJECT IS COMMANDABLE (OVERRIDABLE VIA USE OF THE PRIORITY ARRAY).
      b. OBJECT TYPE AND INSTANCE NUMBER: IF THE POINT IS NOT COMMANDABLE, SPECIFY THE (OTHER) OBJECT, THAT WHEN WRITTEN TO, WILL OVERRIDE THE POINT.

HVAC CONTROL NETWORK SCHEMATIC



NOTE:

CONTRACTOR SHALL SUBMIT A DETAILED NETWORK SCHEMATIC SHOWING ALL OF THE ACTUAL CONTROLLERS AND DEVICES WITH MODEL NUMBERS TO BE USED.

THIS POINTS LIST WILL BE TRUNCATED ON FOLLOWING SHEETS TO ONLY SHOW INFORMATION PROVIDED BY THE DESIGNER OF RECORD. REFER TO THIS TEMPLATE FOR ADDITIONAL INFORMATION THAT THE CONTRACTOR SHALL PROVIDE.

1 CONTROLS - COVER SHEET

M-801 SCALE: 12" = 1'-0"

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
CONTROL DIAGRAM - COVER SHEET

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-801

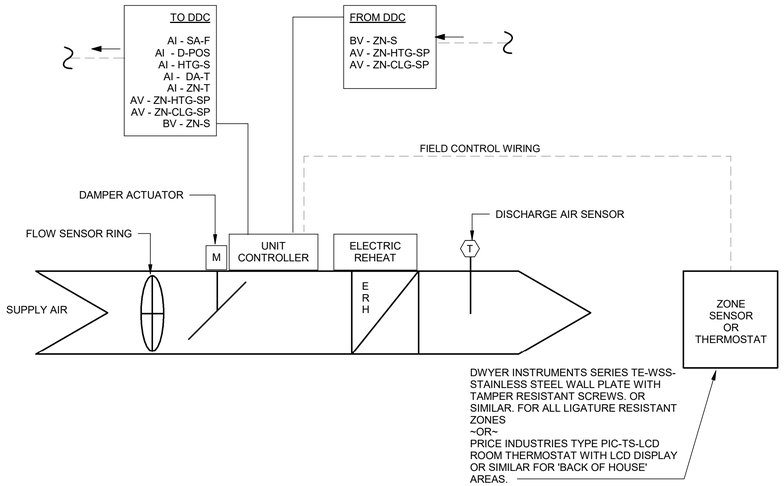
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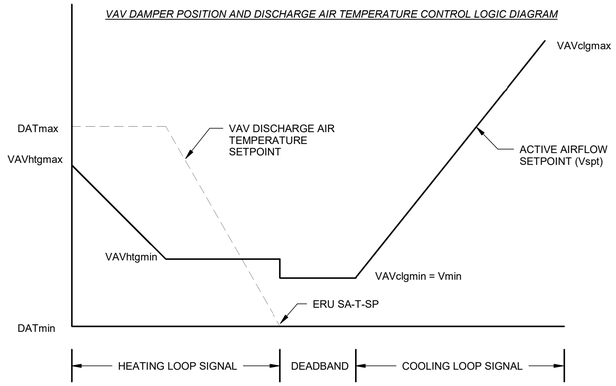
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VAV DAMPER POSITION AND DISCHARGE AIR TEMPERATURE CONTROL LOGIC DIAGRAM



1 M-802 CONTROLS - VAV SINGLE DUCT TERMINAL UNITS WITH ELECTRIC REHEAT

SCALE: N.T.S.

SINGLE DUCT, VARIABLE AIR VOLUME, TERMINAL UNIT, WITH ELECRIC REHEAT - SEQUENCE OF OPERATIONS

UNLESS NOTED OTHERWISE UNIT SENSORS AND DEVICES SHALL BE FACTORY WIRED TO THE UNIT CONTROLLER. THE UNIT CONTROLLER SHALL BE EQUIPPED WITH A BACNET GATEWAY THAT ALLOWS THE DDC SYSTEM TO MONITOR POINTS AND CHANGE SETPOINTS.

1. OCCUPANCY:
   A. VAV TERMINALS WILL BE OPERATIONAL 24 HOURS A DAY, 7 DAYS A WEEK.
2. TEMPERATURE CONTROLS
   A. SETPOINTS SHALL BE ADJUSTABLE (ZN-CLG-SP, ZN-HTG-SP):
      a. OCCUPIED: 75°F COOLING, 70°F HEATING
      b. THE ACTIVE COOLING SETPOINTS SHALL BE LIMITED BETWEEN 72 AND 80 °F.
      c. THE ACTIVE HEATING SETPOINTS SHALL BE LIMITED BETWEEN 65 AND 72 °F.
      d. THE MINIMUM DIFFERENCE BETWEEN COOLING AND HEATING SETPOINTS SHALL BE 0.5 °F.
         • IF THE ZN-T IS BETWEEN THE ZN-HTG-SP AND THE ZN-CLG-SP, THE DAMPER SHALL BE AT ITS MINIMUM POSITION VAVclgmin AS CALCULATED (SEE "VENTILATION CALCULATION VARIABLES") AND THE REHEAT COIL SHALL BE OFF.
   B. IF THE ZN-T IS LESS THAN THE ZN-HTG-SP. THE ZONE SHALL BE IN HEATING MODE.
      a. ON A HEATING LOOP SIGNAL BETWEEN 0 - 50%
         • THE UNIT CONTROLLER SHALL MODULATE THE ELECTRIC REHEAT COIL TO INCREASE THE VAV DISCHARGE AIR TEMPERATURE LINEARLY FROM THE DATmin (= RTU SA-T-SP) TO DATmax (=ZN-HTG-SP + 15 DEG F).
         • THE DAMPER SHALL MODULATE OPEN TO THE MINIMUM HEATING AIRFLOW SETPOINT (VAVhtgmin) AS CALCULATED (SEE "VENTILATION CALCULATION VARIABLES")
      b. ON A HEATING LOOP SIGNAL BETWEEN 51% AND 100%
         • THE ELECTRIC REHEAT COIL SHALL MAINTAIN THE DAT AT DATmax
         • THE UNIT CONTROLLER SHALL AUTOMATICALLY MODULATE THE DAMPER POSITION BASED ON A PID CONTROL LOOP AND INCREASE AIRFLOW SETPOINT (Vspt) LINEARLY WITH THE HEATING LOOP SIGNAL UNTIL Vspt = VAVhtgmax.
   C. IF THE ZN-T IS GREATER THAN THE ZN-CLG-SP THE ZONE SHALL BE IN COOLING MODE.
      a. THE COOLING LOOP SIGNAL SHALL BE MAPPED TO THE AIRFLOW BETWEEN VAVclgmin (0% COOLING) AND VAVclgmax (100% COOLING).
      b. THE REHEAT COIL SHALL BE DISABLED.
      c. IF THE RTU DISCHARGE AIR TEMPERATURE (DAT) IS GREATER THAN THE ROOM SETPOINT THE AIRFLOW SETPOINT (Vspt) SHALL EQUAL VAVclgmin.
      d. THE UNIT CONTROLLER SHALL AUTOMATICALLY CONTROL THE DAMPER POSITION BASED ON A PID CONTROL LOOP TO MAINTAIN THE ACTIVE AIRFLOW SETPOINT Vspt.
3. TRIM AND RESPOND
   A. COOLING SUPPLY AIR RESET REQUESTS
      a. IF THE ZONE TEMPERATURE EXCEEDS THE ZONES COOLING SETPOINT BY 5 °F FOR 2 MINUTES AND AFTER SUPPRESSION PERIOD DUE TO A SETPOINT CHANGE (5 MIN PER DEGREE F) SEND 3 REQUESTS TO THE DDC.
      b. ELSE IF THE ZONE TEMPERATURE EXCEEDS THE ZONE'S COOLING SETPOINT BY 3 °F FOR 2 MINUTES AND AFTER SUPPRESSION PERIOD DUE TO A SETPOINT CHANGE (5 MIN PER DEGREE F) SEND 2 REQUESTS TO THE DDC.
   B. STATIC PRESSURE RESET REQUESTS
      a. IF THE MEASURED AIRFLOW (SA-F) IS LESS THAN 50% OF SETPOINT (Vspt) AND THE DAMPER POSITION IS GREATER THAN 95% OPEN FOR 1 MINUTE, SEND 3 REQUESTS.
      b. ELSE IF THE MEASURED AIRFLOW IS LESS THAN 70% OF SETPOINT AND DAMPER POSITION IS GREATER THAN 95% OPEN FOR 1 MINUTE, SEND 2 REQUESTS.
      c. ELSE IF THE DAMPER POSITION IS GREATER THAN 95% SEND 1 REQUEST UNTIL THE DAMPER POSITION IS LESS THAN 85%.
      d. ELSE IF THE DAMPER POSITION IS LESS THAN 95% SEND 0 REQUESTS.
4. ALARMS
   A. LOW FLOW ALARM: IF SA-F (MEASURED AIRFLOW) IS LESS THAN 70% OF THE ACTIVE SETPOINT (Vspt) FOR 10 MINUTES, GENERATE A LEVEL 4 ALARM.
   B. LOW FLOW ALARM: IF SA-F IS LESS THAN 50% OF THE ACTIVE SETPOINT (Vspt) FOR 10 MINUTES, GENERATE A LEVEL 3 ALARM.
      a. IF ZONE HAS AN IMPORTANCE MULTIPLIER OF 0 FOR ITS STATIC PRESSURE RESET TRIM AND RESPOND CONTROL LOOP, LOW AIRFLOW ALARMS SHALL BE SUPPRESED FOR THAT ZONE.
   C. LOW TEMP ALARM: IF DAT IS 15 DEG F LESS THAN THE DAT-SP FOR 10 MINUTES A LEVEL 4 ALARM SHALL BE GENERATED.
   D. LOW TEMP ALARM: IF DAT IS 30 DEG F LESS THAN THE DAT-SP FOR 10 MINUTES A LEVEL 3 ALARM SHALL BE GENERATED.
5. MONITORING
   A. THE DDC CONTROL SYSTEM SHALL MONITOR UNIT STATUS SUCH AS:
      a. DISCHARGE AIR TEMPERATURE.
      b. UNIT HEATING CAPACITY IN % OF FULL CAPACITY.
      c. SUPPLY AIR FLOW, CFM
      d. DAMPER POSITION, % OPEN.
      e. ZONE TEMPERATURE
      f. ZONE TEMPERATURE SETPOINT. UNIT STATUS CODES.
      g. ZONE HIGH LIMIT ALARM.
      h. ZONE LOW LIMIT ALARM.

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MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MJG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
CONTROL DIAGRAM - TERMINAL UNITS

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-802

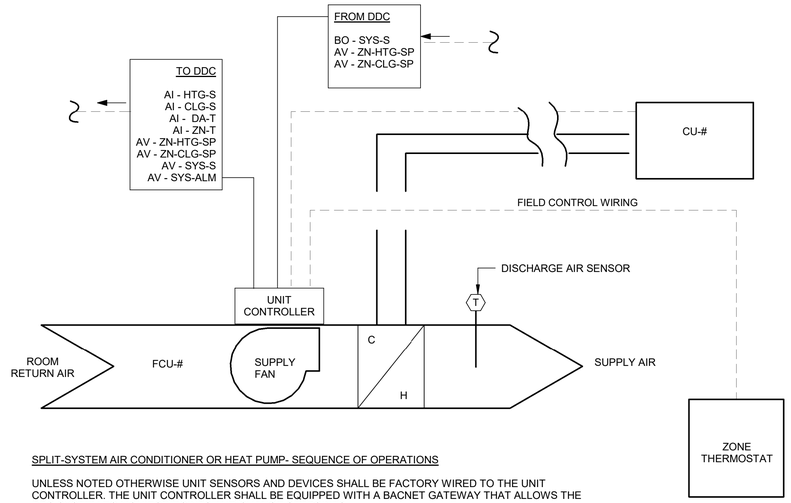
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SPLIT-SYSTEM AIR CONDITIONER OR HEAT PUMP- SEQUENCE OF OPERATIONS

UNLESS NOTED OTHERWISE UNIT SENSORS AND DEVICES SHALL BE FACTORY WIRED TO THE UNIT CONTROLLER. THE UNIT CONTROLLER SHALL BE EQUIPPED WITH A BACNET GATEWAY THAT ALLOWS THE DDC SYSTEM TO MONITOR POINTS AND CHANGE SETPOINTS.

1. THE OPERATOR SHALL BE ABLE TO START / STOP THE UNIT. OTHERWISE THE UNIT SHALL BE ENABLED CONTINOUSLY AND OPERATING TO MAINTAIN ZONE TEMPERATURE.
2. TEMPERATURE CONTROLS
   A. SETPOINTS (ZN-HTG-SP / ZN-CLG-SP):
      a. ALL TIMES: 78°F COOLING, 68°F HEATING
   B. IF THE ZN-T IS BETWEEN THE ZN-HTG-SP PLUS THE DEADBAND AND THE ZN-CLG-SP MINUS THE DEADBAND (3° ADJ.) (71° <= ZN-T <= 75°), THE FCU UNIT SHALL BE IN THE DEADBAND AND THE UNIT SHALL BE OFF.
      a. IF THE UNIT IS A COOLING ONLY UNIT IF ZN-T IS LESS THAN THE ZN-CLG-SP MINUS THE DEADBAND THE UNIT SHALL BE OFF.
   C. IF THE ZN-T IS LESS THAN THE ZN-HTG-SP MINUS THE DEADBAND THE ZONE SHALL BE IN HEATING MODE. <IGNORE IF A COOLING ONLY UNIT>
      a. THE UNIT CONTROLLER SHALL OPERATE THE REFRIGERANT REVERSING VALVE TO BE IN HEATING MODE AND SHALL MODULATE THE FCU ELECTRONIC EXPANSION VALVE TO MAINTAIN THE ZONE TEMPERATURE AT SETPOINT.
      b. IF ZONE TEMPERATURE IS LESS THAN 5 DEGREES (ADJ.) BELOW THE ZN-HTG-SP MINUS THE DEADBAND FOR GREATER THAN 15 MINUTES AN ALARM SHALL BE DISPLAYED AT THE DDC WORKSTATION.
   D. IF THE ZN-T IS GREATER THAN THE ZN-CLG-SP PLUS THE DEADBAND THE ZONE SHALL BE IN COOLING MODE.
      a. THE UNIT CONTROLLER SHALL OPERATE THE REFRIGERANT REVERSING VALVE (HEAT PUMP ONLY) TO BE IN COOLING MODE AND SHALL MODULATE THE FCU ELECTRONIC EXPANSION VALVE TO MAINTAIN THE ZONE TEMPERATURE AT SETPOINT.
      b. IF ZONE TEMPERATURE IS GREATHER THAN 5 DEGREES (ADJ.) ABOVE THE ZN-CLG-SP PLUS THE DEADBAND FOR GREATER THAN 15 MINUTES AN ALARM SHALL BE DISPLAYED AT THE DDC WORKSTATION.
   E. CAPACITY CONTROL: OUTDOOR CONDENSING UNIT SHALL MODULATE THE COMPRESSOR TO VARY THE FLOW OF REFRIGERANT PER THE MANUFACTURER'S SEQUENCES OF OPERATION.
3. MONITORING AND ALARMS
   A. CRAC UNITS SHALL BE PROVIDED WITH MANUFACTURER'S "ICOM" CONTROLLERS (OR EQUIVALENT).
      a. WHEN MULTIPLE UNITS SERVE THE SAME SPACE, THE ICOM CONTROLLER SHALL BE SET UP BY THE MANUFACTURER'S REPRESENTATIVE TO OPERATE IN "TEAMWORK" MODE 1 (PARALLEL OPERATION).
   B. THE DDC CONTROL SYSTEM SHALL MONITOR UNIT STATUS SUCH AS:
      a. DISCHARGE AIR TEMPERATURE.
      b. SYSTEM HEATING CAPACITY IN % OF FULL CAPACITY (HEAT PUMP ONLY).
      c. SYSTEM COOLING CAPACITY IN % OF FULL CAPACITY.
      d. ZONE TEMPERATURE
      e. ZONE TEMPERATURE SETPOINT.
      f. SYSTEM STATUS CODES.
      g. SYSTEM ALARM CODES.
      h. ZONE HIGH LIMIT ALARM.
      i. ZONE LOW LIMIT ALARM.

1 / M-803 CONTROLS - SPLIT-SYSTEM AIR CONDITIONERS OR HEAT PUMPS

SCALE: 12" = 1'-0"

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

CONTROL DIAGRAM - SPLIT SYSTEMS

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-803

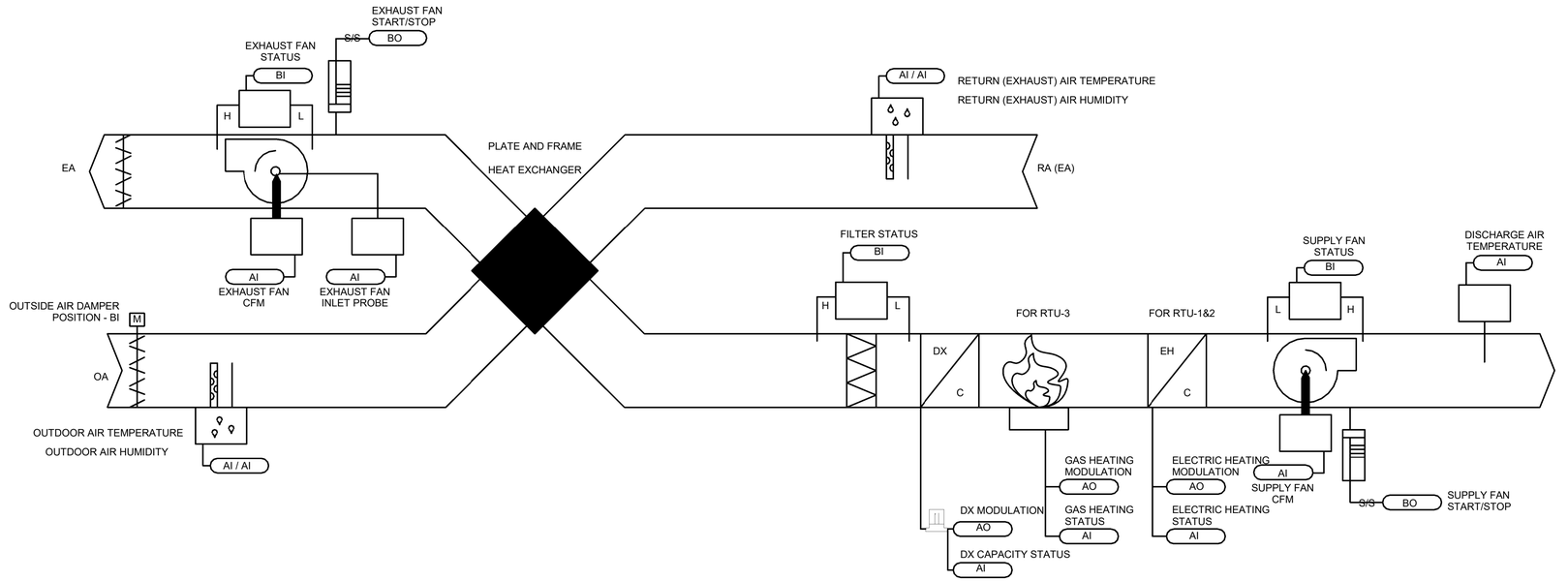
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1 M-804 CONTROLS - RTU-X

SCALE: 12" = 1'-0"

OUTDOOR AIR HANDLING AND ENERGY RECOVERY UNIT SEQUENCE OF OPERATIONS (RTU-X)

MANUFACTURER SHALL PROVIDE THE UNIT WITH A STAND-ALONE UNIT CONTROLLER CAPABLE OF THE FOLLOWING SEQUENCES OF OPERATIONS AND MINIMUM FEATURES. ALL CONTROL SENSORS AND DEVICES INDICATED SHALL EITHER BE PROVIDED BY MANUFACTURER OR CONTROLS CONTRACTOR IN ORDER TO MEET THE INTENT OF THESE SEQUENCES.

OCCUPIED MODE (BUILDING IS OCCUPIED 24/7):
THE OUTSIDE AIR DAMPER SHALL OPEN AND PROVIDE PROOF OF OPEN STATUS. THE RETURN AIR DAMPER SHALL CLOSE AND PROVIDE PROOF OF STATUS. THE SUPPLY AIR FAN AND EXHAUST FAN SHALL START UPON PROOF OF DAMPERS AND RUN CONTINUOUSLY UNLESS SHUT DOWN BY OPERATOR OR SAFETIES. THE UNIT CONTROLLER SHALL MAINTAIN THE OCCUPIED SPACE TEMPERATURE SETPOINT.

OPTIMAL START:
THE UNIT CONTROLLER SHALL MONITOR THE SCHEDULED OCCUPIED TIME, OCCUPIED SPACE SETPOINTS AND SPACE TEMPERATURE TO CALCULATE WHEN THE OPTIMAL START OCCURS.

OPTIMAL STOP:
THE UNIT CONTROLLER SHALL MONITOR OCCUPIED SETPOINTS AND SPACE TEMPERATURE TO CALCULATE
WHEN OPTIMAL STOP OCCURS. WHEN OPTIMAL STOP MODE IS ACTIVE, UNIT CONTROLLER SHALL MAINTAIN SPACE TEMPERATURE TO THE SPACE TEMPERATURE OFFSET SETPOINT.

HEATING MODE:
IF SPACE TEMPERATURE FALLS BELOW THE SETPOINT MINUS THE DEADBAND, THE HEATING SHALL BE ENABLED BY THE UNIT CONTROLLER. UPON PROOF OF INTERNAL SAFETIES, THE GAS BURNER SHALL START AND MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

COOLING MODE:
IF SPACE TEMPERATURE RISES ABOVE THE SETPOINT PLUS THE DEADBAND, THE DX COOLING SYSTEM SHALL BE ENABLED BY THE UNIT CONTROLLER. THE UNIT CONTROLLER SHALL MODULATE THE COOLING SYSTEM TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

SPACE TEMPERATURE:
SPACE TEMPERATURE SHALL BE DETERMINED AND CONTROLLED BY THE APPLICABLE TEMPERATURE SENSORS THROUGHOUT THE SPACES.

OUTDOOR AIR HANDLING AND ENERGY RECOVERY UNIT SEQUENCE OF OPERATIONS (RTU-X) CONT.

OCCUPIED BYPASS:
THE UNIT CONTROLLER SHALL MONITOR STATUS OF "ON" AND "CANCEL" BUTTONS OF THE SPACE TEMPERATURE SENSORS. WHEN OCCUPIED BYPASS REQUEST IS RECEIVED FROM A SPACE SENSOR, THE UNIT SHALL TRANSITION FROM CURRENT OCCUPANCY MODE TO OCCUPIED BYPASS MODE AND THE UNIT SHALL MAINTAIN SPACE TEMPERATURE TO OCCUPIED SETPOINTS (ADJ.)

ECONOMIZER CONTROL:
- THE UNIT CONTROLLER SHALL COMPARE THE ENTHALPY OF THE OUTSIDE AIR AND RETURN AIR AND IF THE OUTSIDE AIR ENTHALPY IS GREATER THAN THE RETURN AIR ENTHALPY **AND** THE OUTSIDE AIR DRYBULB TEMPERATURE IS BELOW 75 °F, THE UNIT SHALL BE IN ECONOMIZER MODE.
- THE UNIT CONTROLLER SHALL CALCULATE IF COOLING DEMAND CAN BE MET BY FULL ECONOMIZER OR PARTIAL ECONOMIZER.
- THE UNIT CONTROLLER SHALL MODULATE THE RETURN/ECONOMIZER DAMPER BETWEEN 0% OPEN (FULL ECONOMIZER) AND THE DESIGN OPEN POSITION THAT CORRESPONDS WITH THE MINIMUM OUTSIDE AIR SETPOINT.
- THE ECONOMIZER MODE STATUS SHALL BE DISPLAYED AT THE UNIT CONTROLLER (OFF/PARTIAL/FULL). THE RETURN DAMPER POSITION SHALL BE READ AND DISPLAYED.
- IF RETURN AIR ENTHALPY IS GREATER THAN OUTSIDE AIR ENTHALPY OR OUTSIDE AIR DRYBULB TEMPERATURE IS GREATER THAN 75 ° F OR THE UNIT IS CALLING FOR DEHUMIDIFICATION, ECONOMIZER MODE SHALL BE DISABLED.

SUPPLY FAN:
THE SUPPLY FAN SHALL ENABLE WHILE IN OCCUPIED MODE AND CYCLED ON DURING UNOCCUPIED MODE. A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR DIFFERENTIAL PRESSURE ACROSS THE FAN. IF THE SWITCH DOES NOT OPEN WITHIN 40 SECONDS AFTER REQUEST FOR FAN OPERATION, A FAN FAILURE ALARM SHALL BE ANNUNCIATED AT THE UNIT CONTROLLER, THE UNIT SHALL STOP, REQUIRING A MANUAL RESET.

FILTER STATUS:
A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR DIFFERENTIAL PRESSURE ACROSS THE FILTER WHEN THE FAN IS RUNNING. IF THE SWITCH CLOSES FOR 2 MINUTES AFTER A REQUEST FOR FAN OPERATION, A DIRTY FILTER ALARM SHALL BE ANNUNCIATED AT THE UNIT CONTROLLER.

SETPOINTS:
- OCCUPIED COOLING SETPOINT: 75
- OCCUPIED HEATING SETPOINT: 72
- DEADBAND: 2 DEGREES
- ALL SETPOINTS ADJUSTABLE AT UNIT CONTROLLER.

OCCUPIED HOURS - 24/7

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MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MJG

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

CONTROL DIAGRAM - ROOFTOP UNITS

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-804

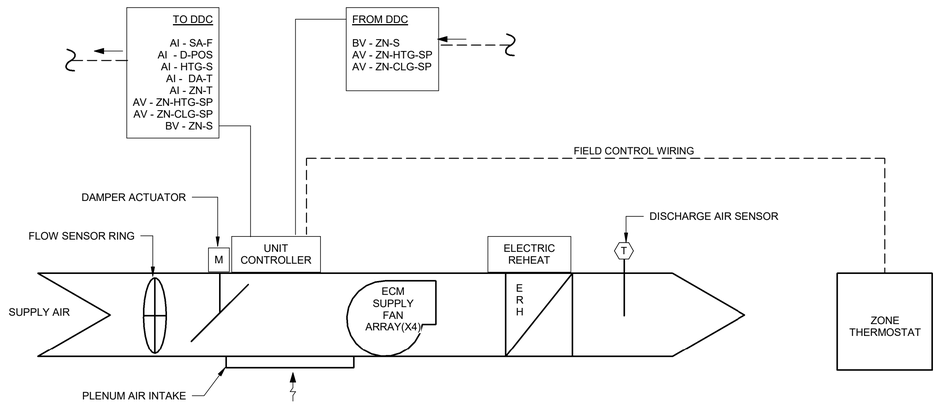
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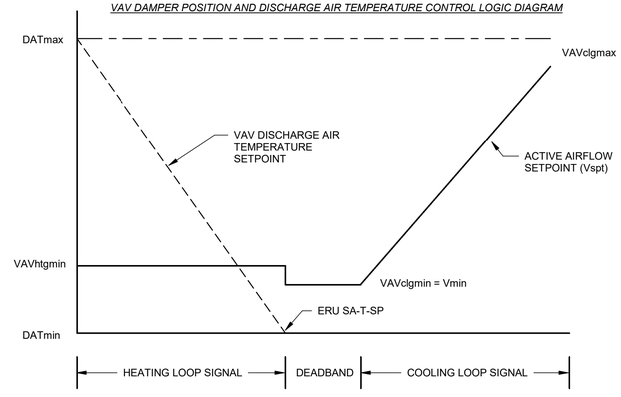
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VAV DAMPER POSITION AND DISCHARGE AIR TEMPERATURE CONTROL LOGIC DIAGRAM



SINGLE DUCT, SERIES, FAN-POWERED VARIABLE, AIR VOLUME, TERMINAL UNIT, WITH ELECRIC REHEAT - SEQUENCE OF OPERATIONS

UNLESS NOTED OTHERWISE UNIT SENSORS AND DEVICES SHALL BE FACTORY WIRED TO THE UNIT CONTROLLER. THE UNIT CONTROLLER SHALL BE EQUIPPED WITH A BACNET GATEWAY THAT ALLOWS THE DDC SYSTEM TO MONITOR POINTS AND CHANGE SETPOINTS.

1. OCCUPANCY:
   A. VAV TERMINALS WILL OPERATE 24 HOURS A DAY, 7 DAYS A WEEK.
2. TEMPERATURE CONTROLS
   A. SETPOINTS (ZN-CLG-SP, ZN-HTG-SP):
      a. OCCUPIED: 75°F COOLING, 70°F HEATING.
      b. THE ACTIVE COOLING SETPOINTS SHALL BE LIMITED BETWEEN 72 AND 80 °F.
      c. THE ACTIVE HEATING SETPOINTS SHALL BE LIMITED BETWEEN 65 AND 72 °F.
      d. THE MINIMUM DIFFERENCE BETWEEN COOLING AND HEATING SETPOINTS SHALL BE 0.5 °F.
   B. THE FAN SHALL RUN CONTINUOUSLY DURING HEATING, DEADBAND, OR COOLING MODES.
   C. IF THE ZN-T IS BETWEEN THE ZN-HTG-SP AND THE ZN-CLG-SP, THE DAMPER SHALL BE AT ITS MINIMUM POSITION VAVclgmin AS CALCULATED (SEE "VENTILATION CALCULATION VARIABLES") AND THE REHEAT COIL SHALL BE OFF.
   D. IF THE ZN-T IS LESS THAN THE ZN-HTG-SP. THE ZONE SHALL BE IN HEATING MODE.
      a. ON A HEATING LOOP SIGNAL BETWEEN 0 - 100%
         - THE UNIT CONTROLLER SHALL MODULATE THE ELECTRIC REHEAT COIL TO INCREASE THE VAV DISCHARGE AIR TEMPERATURE LINEARLY FROM THE DATmin (= RTU SA-T-SP) TO DATmax (=ZN-HTG-SP + 15 DEG F).
         - THE DAMPER SHALL MODULATE OPEN TO THE MINIMUM HEATING AIRFLOW SETPOINT (VAVhtgmin) AS CALCULATED (SEE "VENTILATION CALCULATION VARIABLES").
   E. IF THE ZN-T IS GREATER THAN THE ZN-CLG-SP THE ZONE SHALL BE IN COOLING MODE.
      a. THE COOLING LOOP SIGNAL SHALL BE MAPPED TO THE AIRFLOW BETWEEN VAVclgmin (0% COOLING) AND VAVclgmax (100% COOLING).
      b. THE REHEAT COIL SHALL BE DISABLED.
      c. IF THE RTU DISCHARGE AIR TEMPERATURE (DAT) IS GREATER THAN THE ROOM SETPOINT THE AIRFLOW SETPOINT (Vspt) SHALL EQUAL VAVclgmin.
      d. THE UNIT CONTROLLER SHALL AUTOMATICALLY CONTROL THE DAMPER POSITION BASED ON A PID CONTROL LOOP TO MAINTAIN THE ACTIVE AIRFLOW SETPOINT Vspt.
3. TRIM AND RESPOND
   A. COOLING SUPPLY AIR RESET REQUESTS
      a. IF THE ZONE TEMPERATURE EXCEEDS THE ZONES COOLING SETPOINT BY 5 °F FOR 2 MINUTES AND AFTER SUPPRESSION PERIOD DUE TO A SETPOINT CHANGE (5 MIN PER DEGREE F) SEND 3 REQUESTS TO THE DDC.
      b. ELSE IF THE ZONE TEMPERATURE EXCEEDS THE ZONE'S COOLING SETPOINT BY 3 °F FOR 2 MINUTES AND AFTER SUPPRESSION PERIOD DUE TO A SETPOINT CHANGE (5 MIN PER DEGREE F) SEND 2 REQUESTS TO THE DDC.
   B. STATIC PRESSURE RESET REQUESTS
      a. IF THE MEASURED AIRFLOW (SA-F) IS LESS THAN 50% OF SETPOINT (Vspt) AND THE DAMPER POSITION IS GREATER THAN 95% OPEN FOR 1 MINUTE, SEND 3 REQUESTS.
      b. ELSE IF THE MEASURED AIRFLOW IS LESS THAN 70% OF SETPOINT AND DAMPER POSITION IS GREATER THAN 95% OPEN FOR 1 MINUTE, SEND 2 REQUESTS.
      c. ELSE IF THE DAMPER POSITION IS GREATER THAN 95% SEND 1 REQUEST UNTIL THE DAMPER POSITION IS LESS THAN 85%.
      d. ELSE IF THE DAMPER POSITION IS LESS THAN 95% SEND 0 REQUESTS.
4. ALARMS
   A. LOW FLOW ALARM: IF SA-F (MEASURED AIRFLOW) IS LESS THAN 70% OF THE ACTIVE SETPOINT (Vspt) FOR 10 MINUTES, GENERATE A LEVEL 4 ALARM.
   B. LOW FLOW ALARM: IF SA-F IS LESS THAN 50% OF THE ACTIVE SETPOINT (Vspt) FOR 10 MINUTES, GENERATE A LEVEL 3 ALARM.
      a. IF ZONE HAS AN IMPORTANCE MULTIPLIER OF 0 FOR ITS STATIC PRESSURE RESET TRIM AND RESPOND CONTROL LOOP, LOW AIRFLOW ALARMS SHALL BE SUPPRESED FOR THAT ZONE.
   C. LOW TEMP ALARM: IF DAT IS 15 DEG F LESS THAN THE DAT-SP FOR 10 MINUTES A LEVEL 4 ALARM SHALL BE GENERATED.
   D. LOW TEMP ALARM: IF DAT IS 30 DEG F LESS THAN THE DAT-SP FOR 10 MINUTES A LEVEL 3 ALARM SHALL BE GENERATED.
   E. FAN ALARM: IF FAN STATUS IS OFF WHEN COMMANDED TO BE ON OR VICE VERSA.
5. MONITORING
   A. THE DDC CONTROL SYSTEM SHALL MONITOR UNIT STATUS SUCH AS:
      a. DISCHARGE AIR TEMPERATURE.
      b. UNIT HEATING CAPACITY IN % OF FULL CAPACITY.
      c. SUPPLY AIR FLOW, CFM
      d. DAMPER POSITION, % OPEN.
      e. ZONE TEMPERATURE
      f. ZONE TEMPERATURE SETPOINT. UNIT STATUS CODES.
      g. ZONE HIGH LIMIT ALARM.
      h. ZONE LOW LIMIT ALARM.

1 M-805 CONTROLS - VAV SERIES FAN POWERED SINGLE DUCT TERMINAL UNITS WITH ELECTRIC REHEAT

SCALE: N.TS.

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

CONTROL DIAGRAM - FAN POWERED TERMINAL UNITS

PROJ:	213-26912-22005
DESN:	R. LEGECKAS
DRWN:	D. DIMITRY
CHKD:	M. GRAF

M-805

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Bar measures 1 inch, otherwise drawing is not to scale

PLUMBING LEGEND

- SANITARY SEWER PIPING
- COLD WATER PIPING
- HOT WATER PIPING (120°F)
- 140°F HOT WATER PIPING (140°F)
- HOT WATER RECIRCULATION PIPING
- VENT PIPING
- STORM PIPING
- HIDDEN / UNDERGROUND PIPING

- VENT THROUGH ROOF
- CLEAN OUT, EXPOSED
- CLEAN OUT
- DOUBLE YARD CLEANOUT
- FLOOR DRAIN
- COMBINATION ROOF DRAIN/OVERFLOW
- TPL — TRAP PRIMER LINE
- HB — HOSE BIBB W/INTEGRAL VACUUM BREAKER (INTERIOR SURFACE)
- WH — WALL HYDRANT W/INTEGRAL VACUUM BREAKER (EXTERIOR SURFACE)
- PIPE CAP
- PIPE CONNECTION, BOTTOM
- PIPE CONNECTION, TOP
- PIPE ELBOW, TURNED UP
- PIPE ELBOW, TURNED DOWN
- PIPE TEE
- ANCHOR, INTERMEDIATE
- BUTTERFLY VALVE
- GATE VALVE
- BALL VALVE
- CHECK VALVE
- STRAINER VALVE
- STRAINER (BLOW-OFF)
- GAS COCK/GAS STOP
- THERMOMETER
- BALANCING VALVE
- THERMOSTATIC MIXING VALVE
- SOLENOID VALVE
- PRESSURE REGULATOR
- RELIEF VALVE
- WATER HAMMER ARRESTER/SHOCK ABSORBER
- UNION
- PUMP (SCHEMATIC)
- W — WATER METER
- BFP — BACK FLOW PREVENTER
- M — GAS METER
- Ø — DIAMETER

SK - # — FIXTURE TAG

DETAIL CALLOUT

LIMIT OF DEMOLITION

CONNECT TO EXISTING

— KEYED NOTE

3/4"ø HW — PIPE SIZE AND SYSTEM TAG

AREA OF DEMOLITION

NOTES:

1. THIS LEGEND IS FOR REFERENCE ONLY.
2. ALL SYMBOLS WITHIN THIS LEGEND MAY NOT APPLY TO THIS PROJECT.

PLUMBING ABBREVIATIONS

(D)	DEMOLITION
(E)	EXISTING
(R)	RELOCATED
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
APPROX	APPROXIMATE
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CA	COMPRESSED AIR
CAP	CAPACITY
CO	CLEAN OUT
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUATION
D	DRAIN
DA	DENTAL AIR
DC	DENTAL COMPRESSOR
DCW	DOMESTIC COLD WATER
DEG	DEGREES
DEMO	DEMOLITION
DIA	DIAMETER
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EEW	EMERGENCY EYE/FACE WASH
ENT	ENTERING
ESS	EMERGENCY SAFETY SHOWER
ET	EXPANSION TANK
EX	EXISTING
F	FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FH	FIRE HYDRANT
FM	FLOW METER
FPH	FREEZE PROOF HYDRANT
FPM	FEET PER MINUTE
GAL	GALLONS
GD	GARBAGE DISPOSAL
GM	GAS METER
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HEAD
HO	HUB OUTLET
HP	HORSEPOWER
HW	HOT WATER
HWR	HOT WATER RETURN
ID	INSIDE DIAMETER/DIMENSION
IE	INVERT ELEVATION
IMVB	ICE MAKER VALVE BOX
IN	INCH
IW	INDUSTRIAL WASTE
IWH	INSTANTANEOUS WATER HEATER
LAV	LAVATORY
M	METER
MAX	MAXIMUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
NG	NATURAL GAS
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
PCV	PRESSURE CONTROL VALVE
PD	PRESSURE DROP
PG	PRESSURE GAUGE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PW	POTABLE WATER
R	RADIUS
RD	ROOF DRAIN
REF	REFRIGERATOR
RP	RECIRCULATION PUMP
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
SAN	SANITARY SEWER PIPING
SK	SINK
SO	STORM OVERFLOW
SP	SUMP PUMP
SPEC	SPECIFICATION
ST	STORM
STD	STANDARD
SW	SERVICE WATER
TBD	TO BE DETERMINED
TCV	TEMPERING VALVE
TD	TRENCH DRAIN
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TW	TEPID WATER
TYP	TYPICAL
UR	URINAL
V	VENT
VA	VACUUM
VIF	VERIFY IN FIELD
VP	VACUUM PUMP
VS	VENT STACK
VTR	VENT THRU ROOF
WB	WASHER BOX
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WG	WATER GAUGE
WPD	WATER PRESSURE DROP

PLUMBING GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL SHEETS. REFER TO INDIVIDUAL SHEETS FOR SHEET NOTES.
2. CONTRACT DOCUMENT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE FOR MATERIAL QUANTITIES. ALL SCALING SHOULD BE REFERENCED TO ARCHITECTURAL PLANS ONLY.
3. ALL EQUIPMENT AND PIPING SHALL BE INSTALLED IN COMPLIANCE WITH THE CODES LISTED IN THE TABLE BELOW.
4. ALL INTERIOR FLOOR DRAINS AND OPEN RECEPTACLES WITH TRAPS SHALL BE PROTECTED BY A TRAP PRIMER.
5. WATER LINES SHALL NOT BE ROUTED ABOVE ANY ELECTRICAL ROOMS, ELECTRICAL PANELS, OR TELEPHONE ROOMS.
6. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO MINIMIZE SPATIAL CONFLICTS.
7. INSTALL BOTTOM OF ALL EXTERIOR WALL HYDRANTS AT 24" ABOVE FINISH GRADE.
8. PROVIDE ACCESS PANELS WITH SQUARE HINGED, LOCKING DOORS FOR ALL CONCEALED VALVES, SHOCK ABSORBERS AND TRAP PRIMERS.
9. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS BEFORE CONSTRUCTION BEGINS.
10. PROVIDE ISOLATION VALVES AT ALL PIPE CONNECTIONS TO EQUIPMENT.
11. COORDINATE NEW WATER METER LOCATION WITH LOCAL UTILITY AUTHORITY.
12. PROVIDE WALL PIPE PENETRATIONS AS REQUIRED WHERE PIPE ENTERS BUILDING. SLEEVE AND SEAL OPENING WITH CAULKING AND ESCUTCHEON FOR A WATER-TIGHT INSTALLATION.

EQUIPMENT NOTES

1. INSTALL ALL PLUMBING EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
2. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
3. IDENTIFY ALL NEW PLUMBING EQUIPMENT WITH NAMEPLATES PERMANENTLY ENGRAVED WITH 1/2 INCH HIGH WHITE LETTERS ON A BLACK BACKGROUND. IDENTIFY EQUIPMENT WITH SYMBOLS SHOWN ON THE PLANS AND AREA SERVED DESCRIPTION.
4. PROVIDE FLEXIBLE PIPING CONNECTIONS TO ALL OPERATING EQUIPMENT, UNO.
5. ALL PLUMBING EQUIPMENT PADS SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.
6. EQUIPMENT AND APPLIANCES SHALL BE ACCESSIBLE FOR SERVICE, INSPECTION, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION. SUFFICIENT CLEARANCE SHALL BE MAINTAINED TO PERMIT CLEANING, REPLACEMENT OF PARTS, CONTROLS AND LUBRICATION OF MOVING PARTS.

APPLICABLE CODES AND STANDARDS

ENERGY CODE	IECC 2018
INTERNATIONAL BUILDING CODE	IBC 2021
INTERNATIONAL EXISTING BUILDING CODE	IEBC 2021
MECHANICAL CODE	IMC 2021
PLUMBING CODE	IPC 2021
UNIFIED DEVELOPMENT CODE	UDC 2025

NOTE: ALL APPLICABLE BUILDING CODES AND STANDARDS ARE NOT SPECIFIED HEREIN.

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MITCHELL GRAF LICENSE No. 23519 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	DB

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ABBREVIATIONS, LEGEND, & NOTES

PROJ:	213-26912-22005
DESN:	TS
DRWN:	TS
CHKD:	DB

P-001

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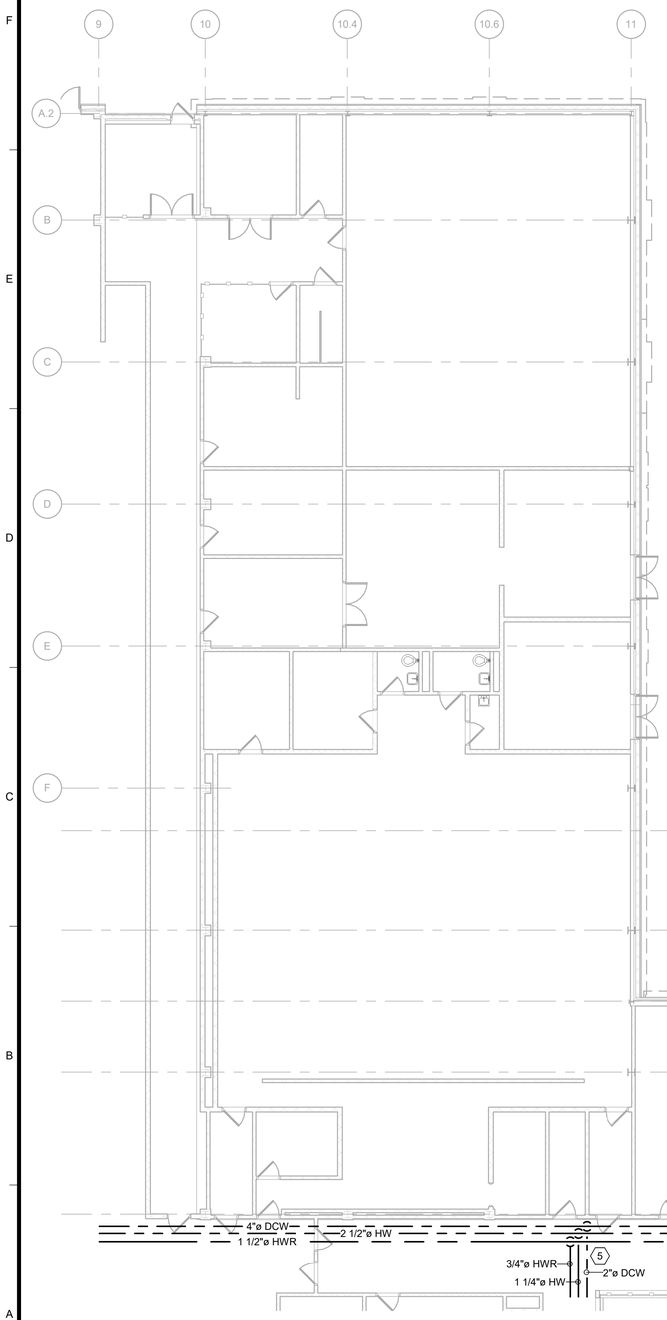
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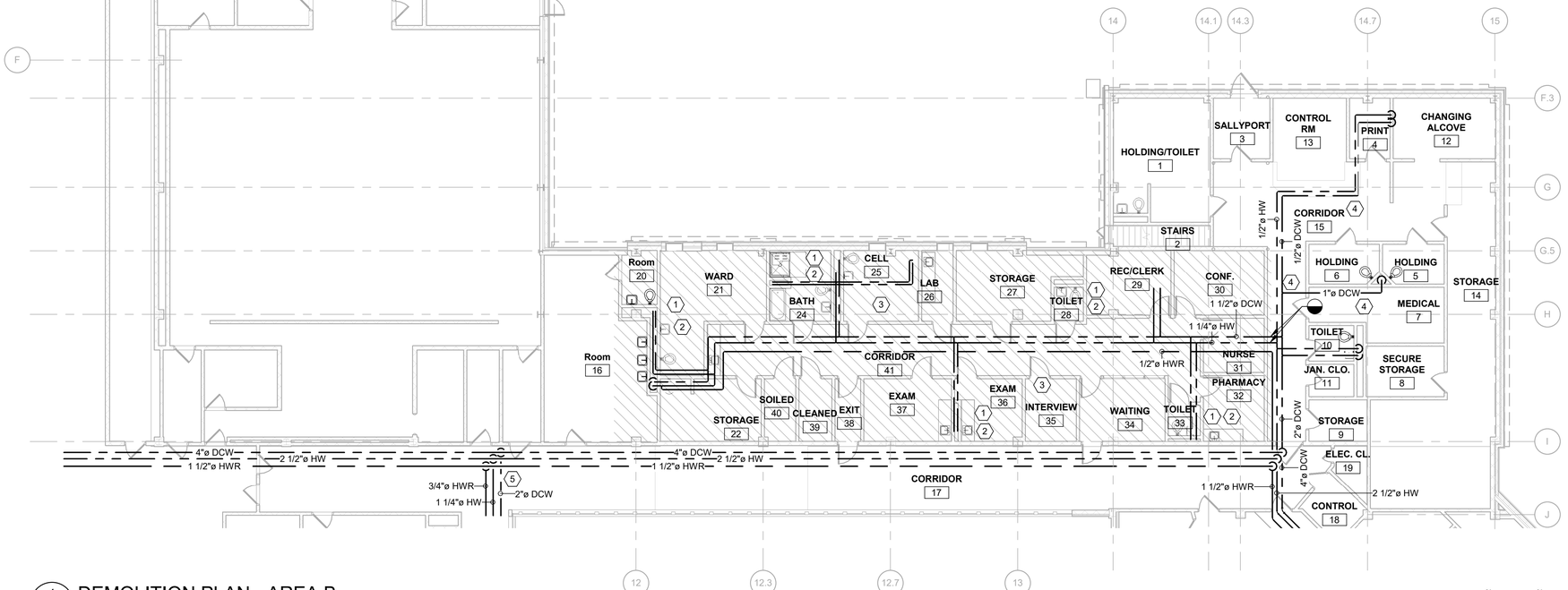
SHEET NOTES

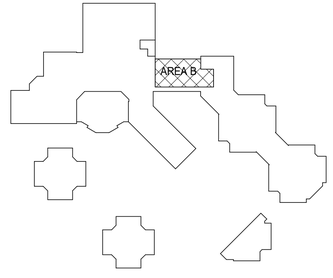
1. REFER TO P-001 FOR ABRREVIATIONS, LEGENDS, AND GENERAL NOTES.

(#) KEYED NOTES

1. DEMOLISH ALL DCW & HW PIPE TO MAIN. CAP PIPE.
2. DEMOLISH ALL SANITARY FROM PLUMBING FIXTURES AND CAP UNDER FLOOR.
3. DEMOLISH VENT PIPE IN ITS ENTIRETY IN THIS AREA.
4. EXISTING DCW AND HW TO REMAIN.
5. EXISTING DCW, HW AND HWR TO REMAIN.







KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'

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

1 PD101 DEMOLITION PLAN - AREA B

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

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

DEMOLITION PLAN - AREA B

PROJ:	213-26912-22005
DESN:	TS
DRWN:	TS
CHKD:	DB

PD101

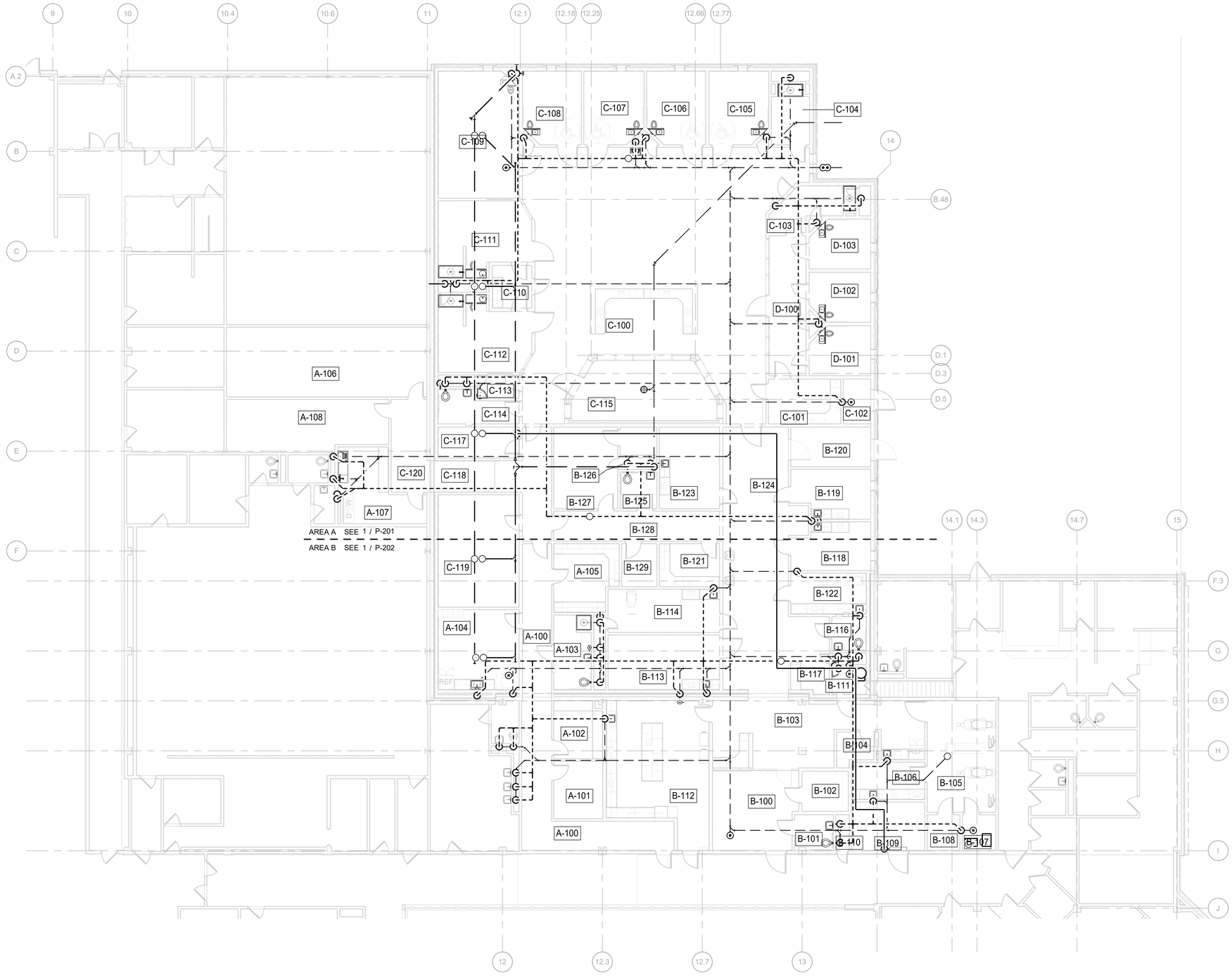
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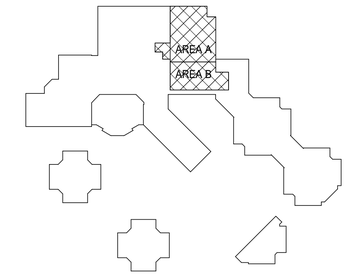
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SHEET NOTES

1. REFER TO P-001 FOR ABRREVIATIONS, LEGENDS, AND GENERAL NOTES.





KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'
SCALE: 3/32" = 1'-0"

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
OVERALL WASTE & VENT PLAN

PROJ:	213-26912-22005
DESN:	TS
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P-100

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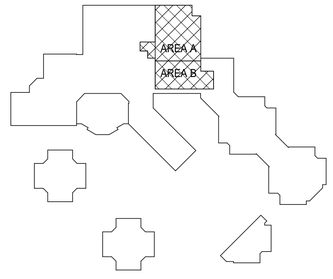
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SHEET NOTES

1. REFER TO P-001 FOR ABRREVIATIONS, LEGENDS, AND GENERAL NOTES.



1 / P-101 OVERALL PRESSURE PIPING PLAN
SCALE: 3/32" = 1'-0"



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'
SCALE: 3/32" = 1'-0"

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BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

OVERALL PRESSURE PIPING PLAN

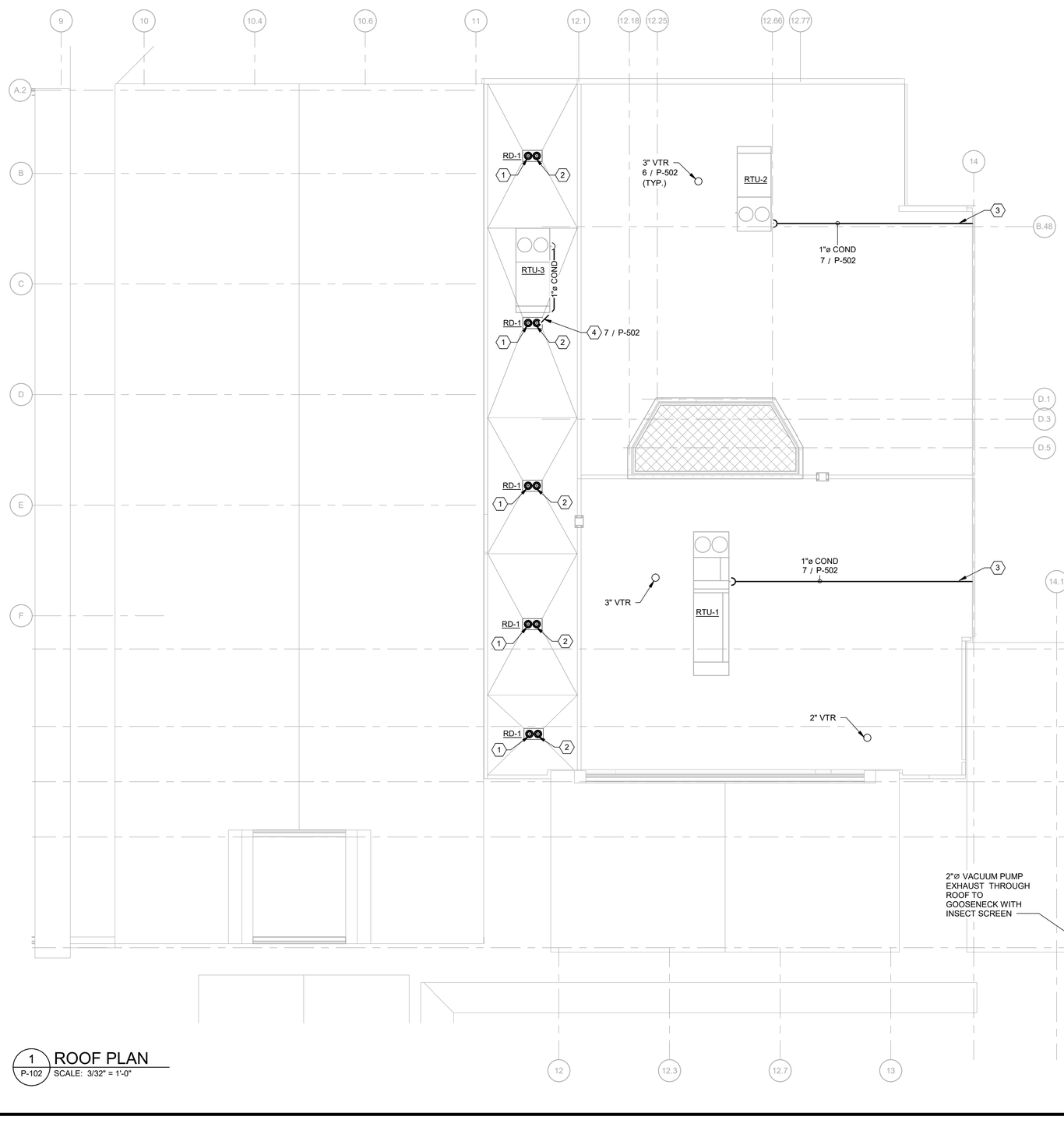
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SHEET NOTES

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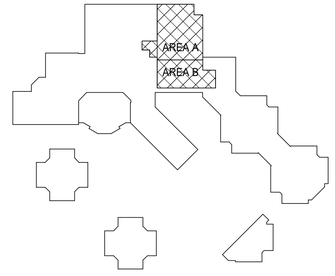
(#) KEYED NOTES

1. 6" STORM OVERFLOW DN TO FIRST FLOOR
2. 6" STORM DN TO FIRST FLOOR
3. 1" COND SLOPED 1/8"/FT FROM RTU AND DISCHARGE TO GUTTER
4. 1" COND SLOPED 1/8"/FT FROM RTU AND DISCHARGE TO ROOF DRAIN

1 P-102 ROOF PLAN
SCALE: 3/32" = 1'-0"

PLAN NORTH

8' 0' 8' 16' 24'
SCALE: 3/32" = 1'-0"



KEY PLAN: NTS

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ROOF PLAN

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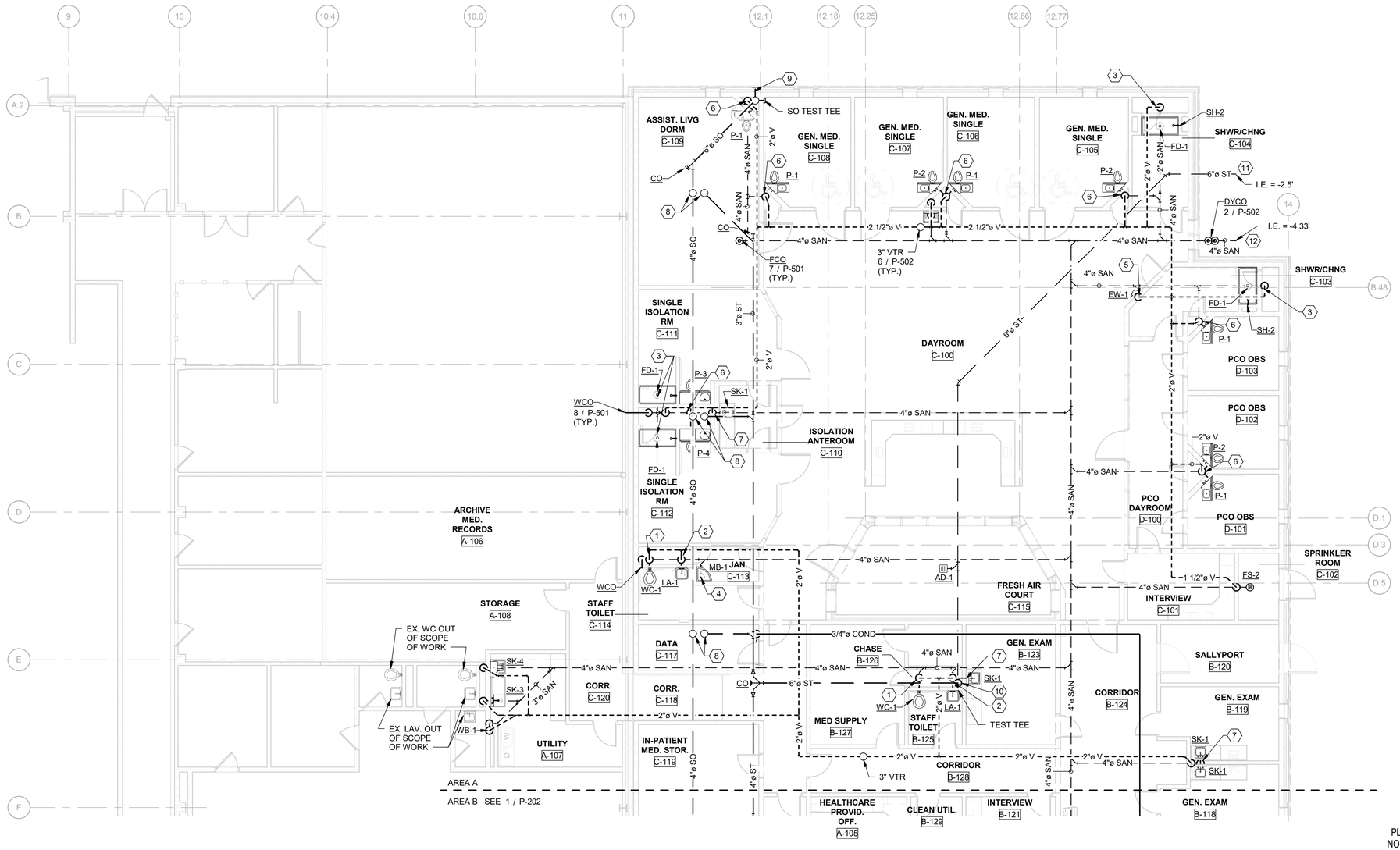
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SHEET NOTES

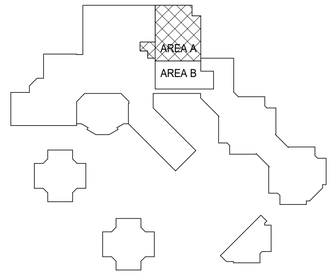
1. REFER TO P-001 FOR ABRREVIATIONS, LEGENDS, AND GENERAL NOTES.

(#) KEYED NOTES

1. 4" SAN TO WATER CLOSET
2. 1-1/2" SAN TO LAVATORY
3. 2" SAN TO SHOWER
4. 3" SAN TO MOP BASIN
5. 1-1/2" SAN TO EYE WASH
6. 4" SAN TO COMBINATION FIXTURE
7. 1-1/2" SAN TO SINK
8. 3" STORM AND STORM OVERFLOW TO RD-1.
9. 6" STORM OVERFLOW DN FROM ROOF TO LAMBS TONGUE DOWNSPOUT NOZZLE.
10. 6" STORM DN FROM ROOF
11. 6" STORM TO SITE STORM. SEE CIVIL PLANS FOR CONTINUATION.
12. 4" SAN TO SITE SEWER. SEE CIVIL PLANS FOR CONTINUATION.



1 / P-201 WASTE & VENT PLAN - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'
SCALE: 3/32" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

WASTE & VENT PLAN - AREA A

PROJ:	213-26912-22005
DESN:	TS
DRWN:	TS
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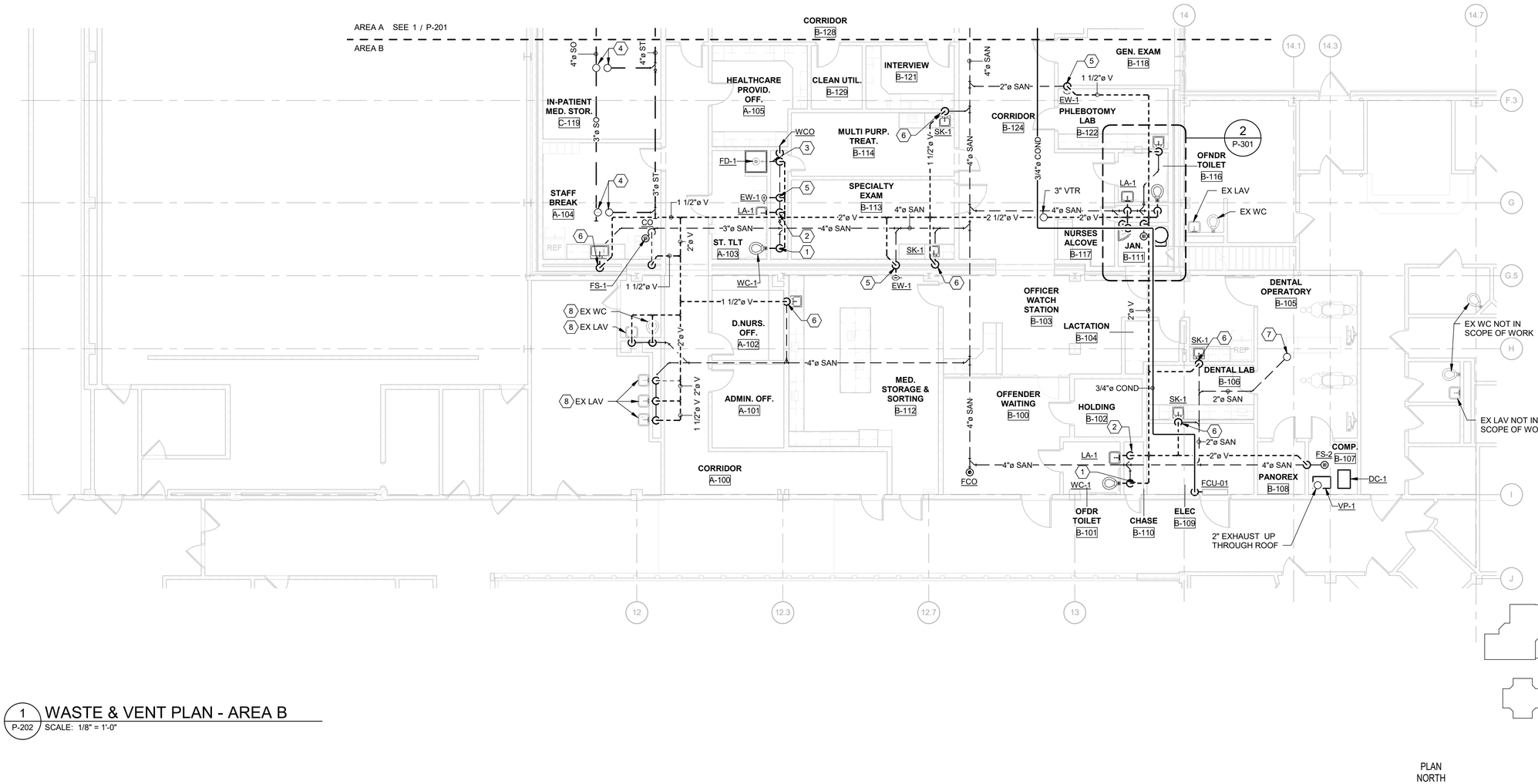
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SHEET NOTES

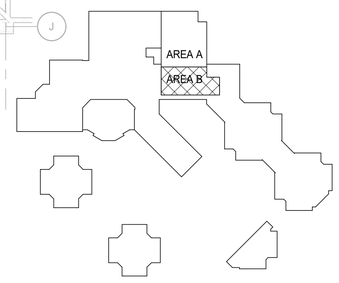
1. REFER TO P-001 FOR ABRREVIATIONS, LEGENDS, AND GENERAL NOTES.

(#) KEYED NOTES

1. 4" SAN TO WATER CLOSET
2. 1-1/2" SAN TO LAVATORY
3. 2" SAN TO SHOWER
4. 3" STORM AND STORM OVERFLOW TO RD-1
5. 1-1/2" SAN TO EYE WASH
6. 1-1/2" SAN TO SINK
7. 1-1/2" SAN TO CENTER CABINET SINK
8. CONNECT NEW SAN AND VENT TO EXISTING PIPES.



1 P-202 WASTE & VENT PLAN - AREA B
SCALE: 1/8" = 1'-0"



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'
SCALE: 3/32" = 1'-0"

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BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
WASTE & VENT PLAN - AREA B

PROJ:	213-26912-22005
DESN:	TS
DRWN:	TS
CHKD:	DB

P-202

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7/21/2026 10:51:07 AM Autodesk Docs://213-26912-22005 Baylor Women's Correctional Institution/P-BWCI INFIRMARY ADDITION-26912-22005_v2023.rvt

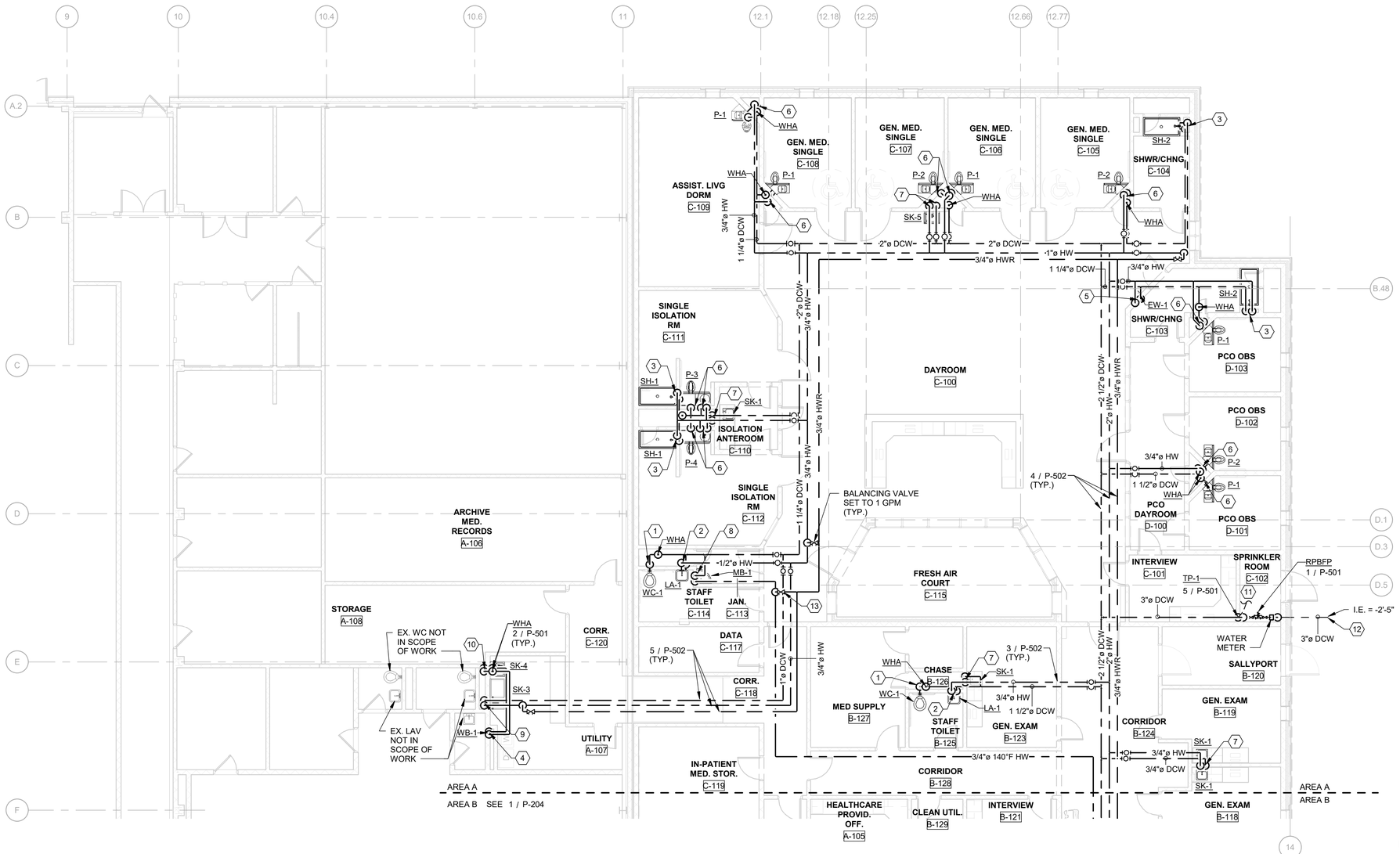
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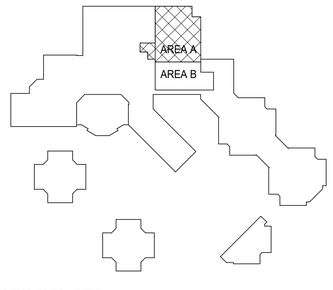
SHEET NOTES

1. REFER TO P-001 FOR ABRREVIATIONS, LEGENDS, AND GENERAL NOTES.

(#) KEYED NOTES

1. 1" DCW TO WATER CLOSET
2. 1/2" DCW & HW TO LAVATORY
3. 1/2" DCW & HW TO SHOWER
4. 1/2" DCW & HW TO WASHER OUTLET BOX
5. 1/2" DCW & HW TO TMV TO EYE WASH
6. 1" DCW & 1/2" HW TO COMBINATION FIXTURE
7. 1/2" DCW & HW TO SINK
8. 3/4" DCW & HW TO MOP BASIN
9. 1/2" DCW & HW TO SERVICE SINK
10. 1/2" DCW & HW TO HOPPER SINK
11. 1/2" TP TO FS-2.3
12. 3" DCW 105 GPM AT 60 PSI FROM SITE WATER. SEE CIVIL PLANS FOR CONTINUATION.





KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'
SCALE: 1/8" = 1'-0"

1 / P-203 PRESSURE PIPING PLAN - AREA A
SCALE: 1/8" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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MITCHELL GRAF LICENSE No. 23519 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	DB

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

PRESSURE PIPING PLAN - AREA A

PROJ:	213-26912-22005
DESN:	TS
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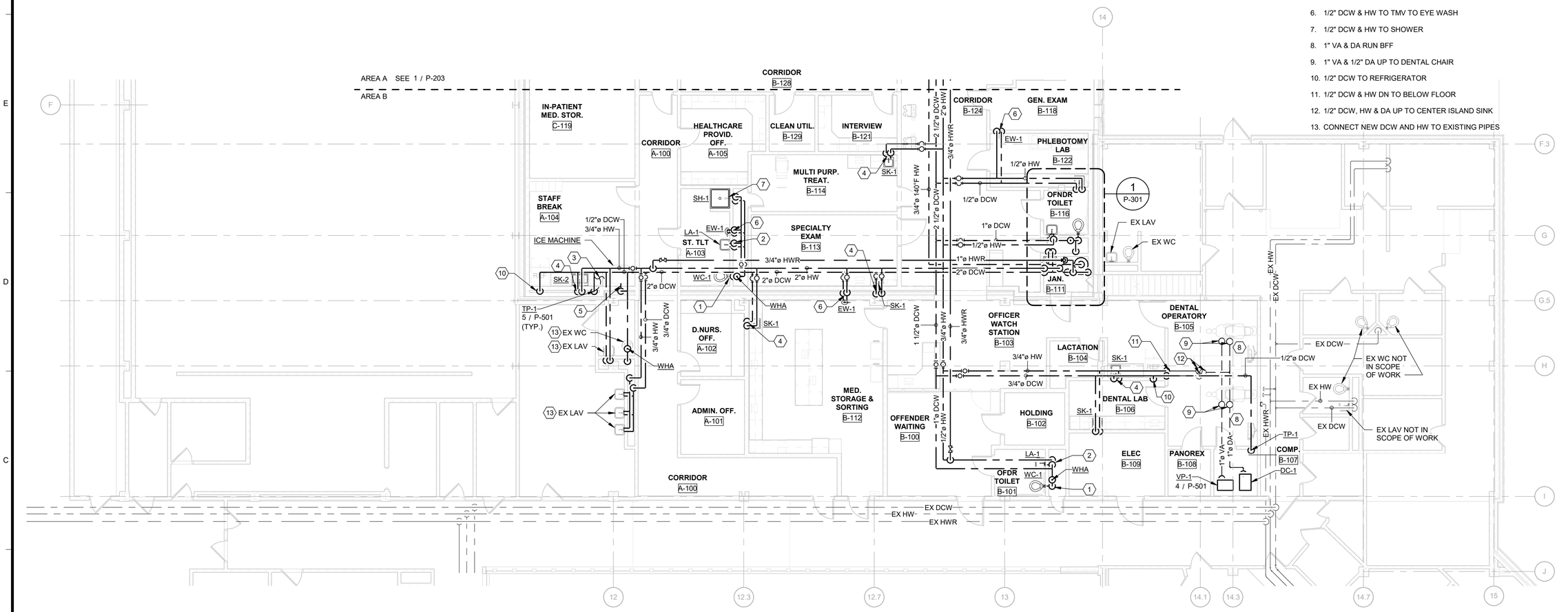
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SHEET NOTES

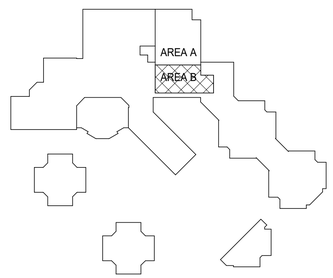
1. REFER TO P-001 FOR ABRREVIATIONS, LEGENDS, AND GENERAL NOTES.

(#) KEYED NOTES

1. 1" DCW TO WATER CLOSET
2. 1/2" DCW & HW TO LAVATORY
3. 1/2" TP TO FS-1
4. 1/2" DCW & HW TO SINK
5. 1/2" DCW TO ICE MACHINE
6. 1/2" DCW & HW TO TMV TO EYE WASH
7. 1/2" DCW & HW TO SHOWER
8. 1" VA & DA RUN BFF
9. 1" VA & 1/2" DA UP TO DENTAL CHAIR
10. 1/2" DCW TO REFRIGERATOR
11. 1/2" DCW & HW DN TO BELOW FLOOR
12. 1/2" DCW, HW & DA UP TO CENTER ISLAND SINK
13. CONNECT NEW DCW AND HW TO EXISTING PIPES



1 P-204 PRESSURE PIPING PLAN - AREA B
SCALE: 1/8" = 1'-0"



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'
SCALE: 3/32" = 1'-0"

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BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

PRESSURE PIPING PLAN - AREA B

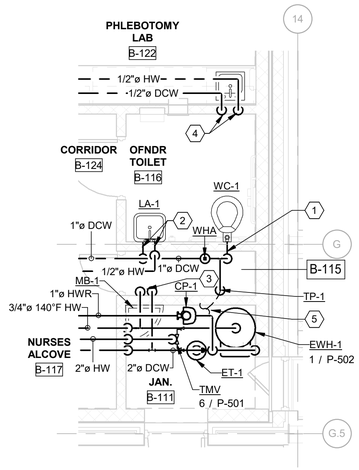
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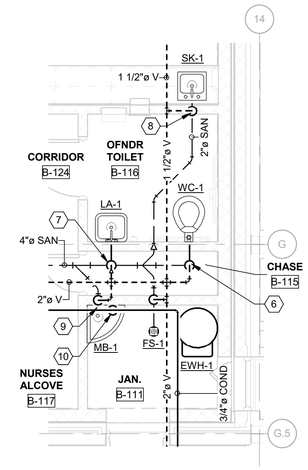
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1 P-301 ENLARGED PRESSURE PIPING PLAN

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



2 P-301 ENLARGED WASTE & VENT PLAN

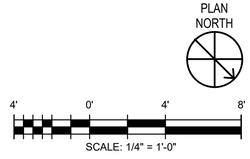
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. REFER TO P-001 FOR ABRREVIATIONS, LEGENDS, AND GENERAL NOTES.

(#) KEYED NOTES

1. 1" DCW TO WATER CLOSET
2. 1/2" DCW & HW TO LAVATORY
3. 3/4" DCW & HW TO MOP BASIN
4. 1/2" DCW & HW TO SINK
5. 1/2" TP TO FS-1
6. 4" SAN TO WATER CLOSET
7. 1-1/2" SAN TO LAVATORY
8. 1-1/2" SAN TO SINK
9. 3" SAN TO MOP BASIN
10. 3/4" CONDENSATE ROUTED DOWN WALL AND DISCHARGE TO MOP BASIN.



IMPORTANT - DO NOT DISTRIBUTE

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BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ENLARGED PLANS

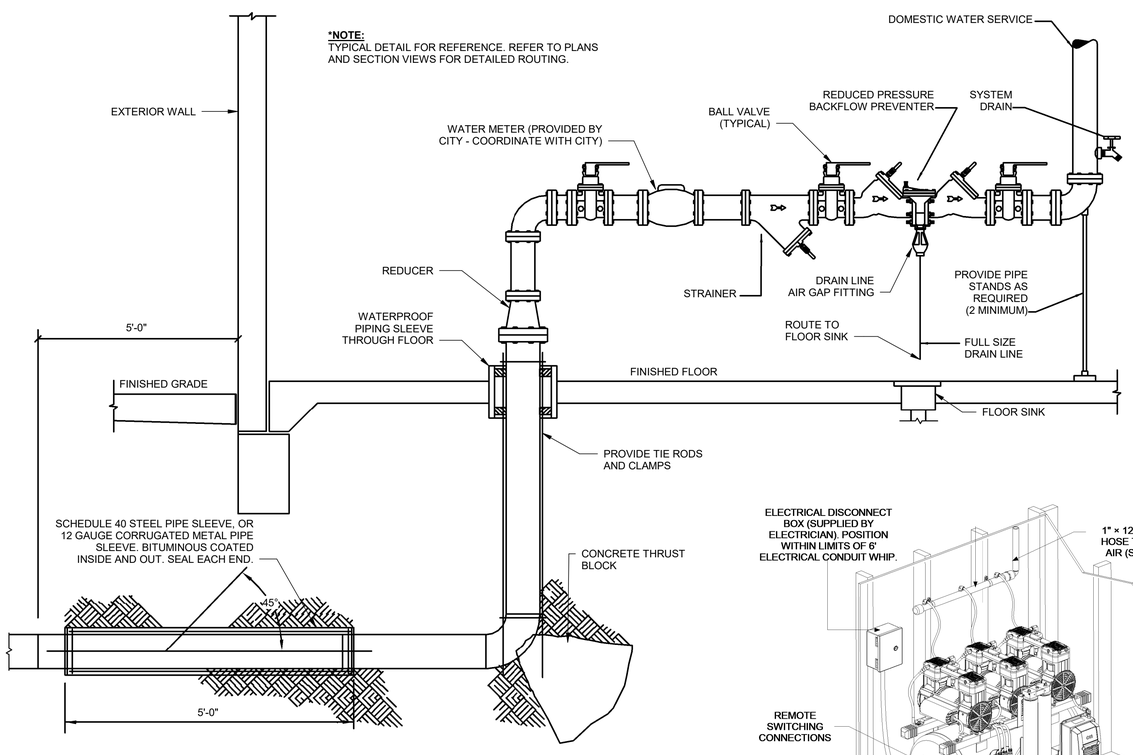
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P-301

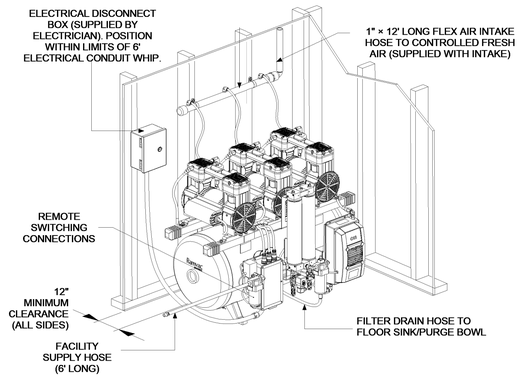
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1 P-501 DOMESTIC WATER SERVICE ENTRANCE DETAIL
SCALE: N.T.S.

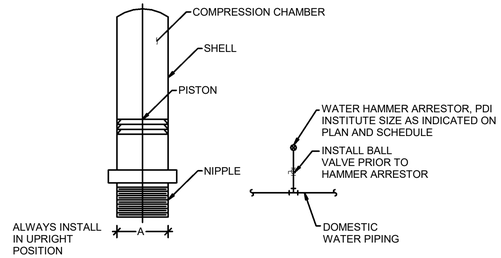


PLACEMENT

- ALLOW 12" MINIMUM CLEARANCE ON ALL SIDES FOR ALL UNITS.

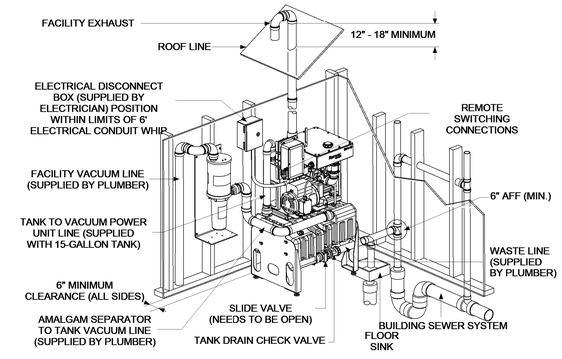
PLUMBING

- CONNECT DRAIN HOSE TO FITTING ON BOTTOM OF COALESCING FILTER AND DIRECT IT INTO FLOOR DRAIN/PURGE BOWL FOR DISPOSAL OF WATER.
- CONNECT COMPRESSOR AIR OUTLET TO FACILITY PLUMBING WITH PROVIDED SUPPLY HOSE (3/8" MPT × 3/8" MPT × 6' LONG).
- CONNECT FRESH AIR MANIFOLD TO CONTROLLED FRESH AIR SOURCE.
- CONNECT ONLY EQUIPMENT SUITABLE FOR LISTED MAXIMUM PRESSURE OF THE COMPRESSOR.



P.D.I. SYMBOL	FIXTURE UNIT RATING	A SIZE
A	1 - 11	1/2"
B	12 - 32	3/4"
C	33 - 60	1"
D	61 - 113	1-1/4"
E	114 - 154	1-1/2"
F	155 - 330	2"

2 P-501 WATER HAMMER ARRESTOR DETAIL
SCALE: 1/8" = 1'-0"



PLUMBING

FACILITY EXHAUST LINES

- 2" SCHEDULE 40 PVC, SCHEDULE 80 CPVC OR METAL (NOT TAR COATED) WITH DWV FITTINGS OR EQUIVALENT.
- SLOPE: ALL HORIZONTAL LINES TOWARD THE VACUUM UNIT, A STANDARD PLUMBING SLOPE.
- MINIMUM EXHAUST LENGTH = 15' FROM RAMVAC PUMP TO OUTSIDE END. SEE "EXHAUST MANIFOLD (SHORT RUN)" PDF IF LESS THAN 15'.
- RUN DEDICATED EXHAUST LINE FOR EACH RAMVAC UNIT INSTALLED. • DO NOT CONNECT TO PLUMBING VENTS.
- LINES MUST BE INSTALLED TO PREVENT CONDENSATION.
- TURN OUTSIDE END DOWN TOWARD GROUND AND SCREEN TO PREVENT ENTRY OF WATER, DEBRIS AND CREATURES. LOCATE TO PREVENT EXHAUST FROM ENTERING BUILDING.

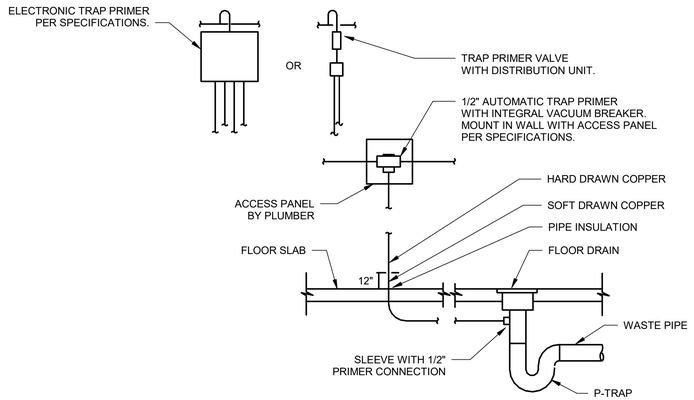
TANK TO VACUUM POWER UNIT LINE

- 1½" (or larger) schedule 40 PVC with DWV fittings or equivalent.
- Use new, clean pipe to connect tank to vacuum power unit. DO NOT reuse old or existing pipe.

TANK DRAIN LINE

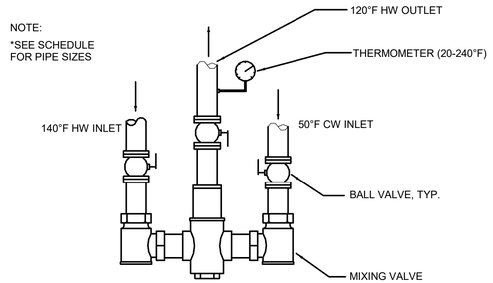
Waste pipe, slide valve and drain check valve:

- 1½" schedule 40 PVC with DWV fittings.
- Minimum slope 1/4" per 10'.
- Use only Ramvac supplied 1½" drain check valve.
- Drain into building sewer system.



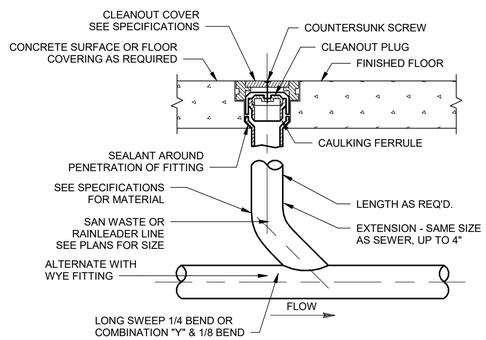
5 P-501 FLOOR DRAIN TRAP PRIMER DETAIL
SCALE: N.T.S.

3 P-501 DENTAL COMPRESSOR DETAIL
SCALE: N.T.S.

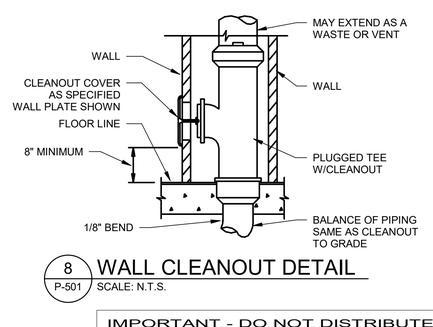


6 P-501 PRIMARY THERMOSTATIC MIXING VALVE DETAIL
SCALE: 1/8" = 1'-0"

4 P-501 VACUUM PUMP DETAIL
SCALE: N.T.S.



7 P-501 FLOOR CLEANOUT DETAIL
SCALE: N.T.S.



8 P-501 WALL CLEANOUT DETAIL
SCALE: N.T.S.

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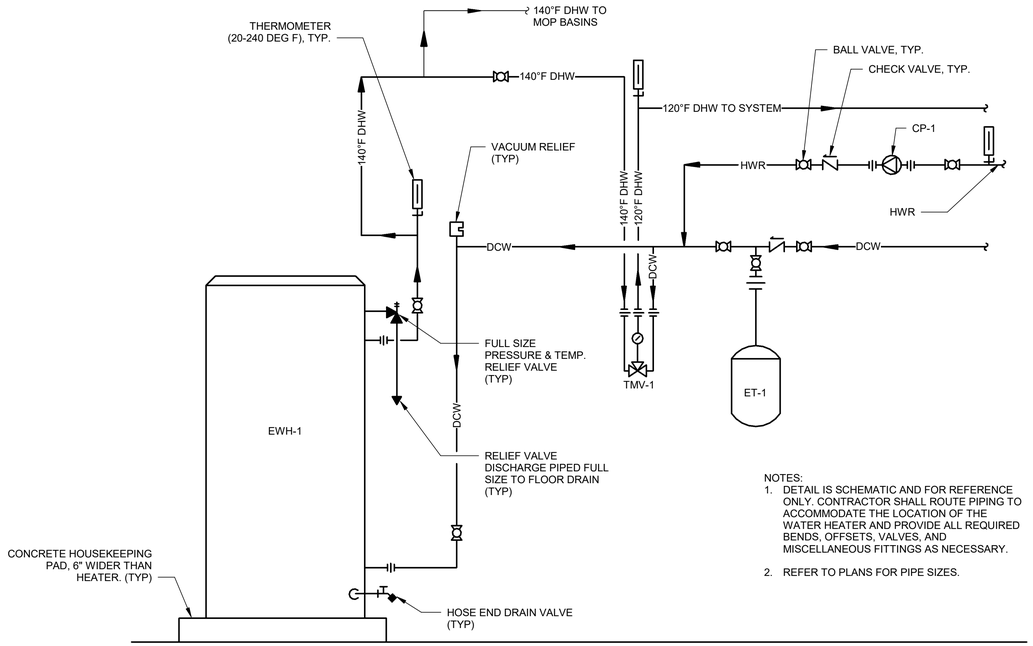
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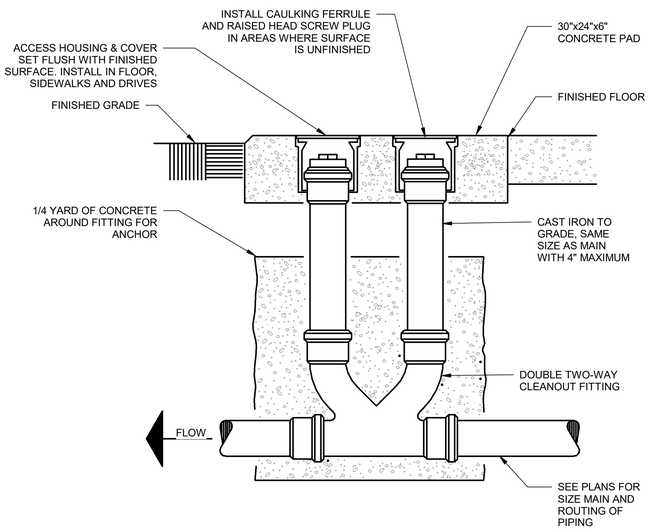
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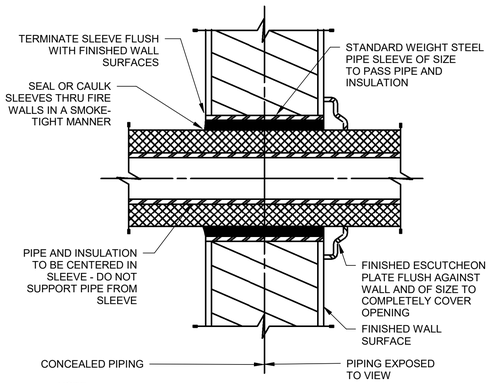


NOTES:
1. DETAIL IS SCHEMATIC AND FOR REFERENCE ONLY. CONTRACTOR SHALL ROUTE PIPING TO ACCOMMODATE THE LOCATION OF THE WATER HEATER AND PROVIDE ALL REQUIRED BENDS, OFFSETS, VALVES, AND MISCELLANEOUS FITTINGS AS NECESSARY.
2. REFER TO PLANS FOR PIPE SIZES.

1 ELECTRIC WATER HEATER PIPING & DIAGRAM DETAIL
P-502 SCALE: N.T.S.

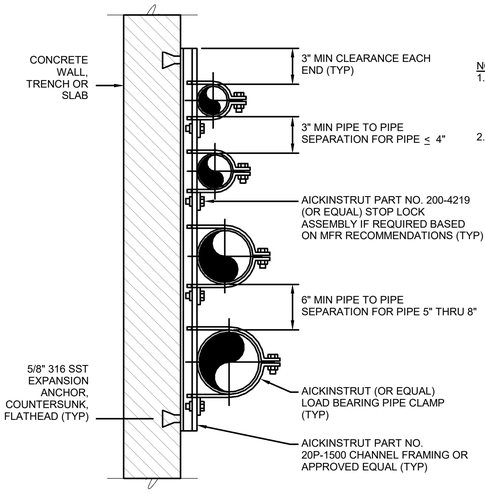


2 DOUBLE YARD CLEANOUT DETAIL
P-502 SCALE: N.T.S.



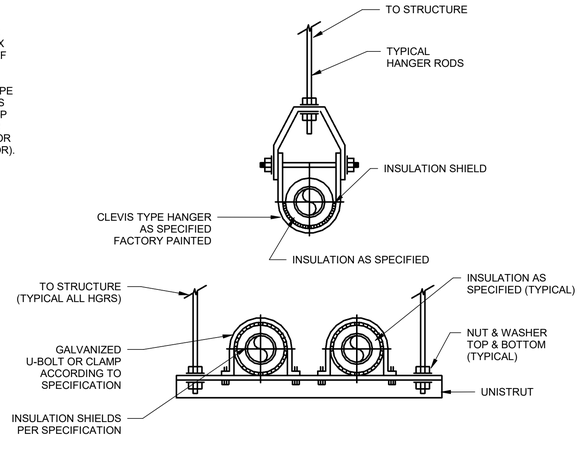
NOTE:
PROVIDE UL RATED ASSEMBLIES FOR ALL WALLS WITH FIRE RATINGS.

3 PIPE SLEEVES THRU INTERIOR WALLS
P-502 SCALE: N.T.S.

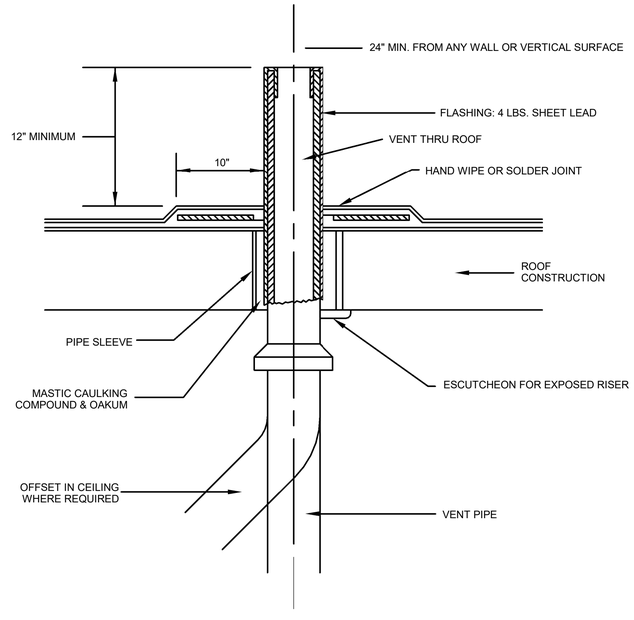


NOTES
1. SEE DRAWINGS FOR PIPE TYPE, SIZE (MAX 8"), AND QUANTITY OF SUPPORTED PIPES.
2. ALL FRAMING AND PIPE SUPPORT MATERIALS SHALL BE EITHER FRP (INTERIOR ONLY) OR 316 SST (UNISTRUT OR EQUAL FOR EXTERIOR).

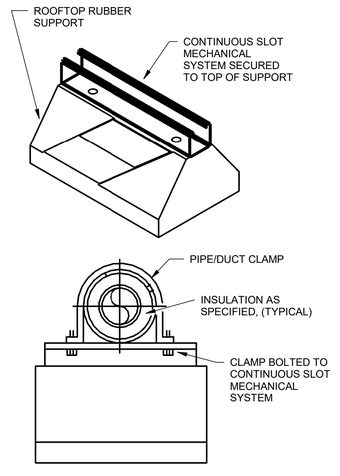
4 HORIZONTAL PIPE SUPPORT DETAIL
P-502 SCALE: 1/8" = 1'-0"



5 PIPE HANGERS - CLEVIS/TRAPEZE
P-502 SCALE: N.T.S.



6 VENT THRU FLAT ROOF DETAIL
P-502 SCALE: N.T.S.



NOTE:
SUPPORTS RATED UP TO 800 LBS, DEPENDING ON MODEL. SEE MANUFACTURER RECOMMENDATIONS.

7 ROOF PIPE SUPPORT CURB DETAIL
P-502 SCALE: NTS

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PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	ADA	CONNECTION SIZE (IN)				MANUFACTURER	MODEL	NOTES
			DCW	HW	WASTE	VENT			
AD-1	AREA DRAIN		-	-	4"	-	ZURN	Z610	12-1/2" SQUARE TOP HEAVY DUTY DRAIN. DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET.
DYCO	DOUBLE YARD CLEANOUT		-	-	4"	-	ZURN	Z1400	EXTRA HEAVY DUTY ADJUSTABLE DOUBLE CLEANOUT WITH TAPERED THREAD PLUG AND ROUND SCORIATED CAST IRON SECURED TOP.
EW-1	EMERGENCY EYE WASH		1/2"	1/2"	1-1/2"	1-1/2"	HAWS	7360BT	BARRIER FREE WALL MOUNTED EYE/FACE WASH. INCLUDE A STAINLESS STEEL 11" ROUND BOWL. PROVIDE 80°F TEPID WATER THERMOSTATIC MIXING VALVE 9201EW AXION.
FCO	FLOOR CLEANOUT		-	-	4"	-	ZURN	Z1400	EXTRA HEAVY DUT ADJUSTABLE FLOOR CLEANOUT WITH TAPERED THREAD PLUG AND ROUND SCORIATED CAST IRON SECURED TOP.
FD-1	SHOWER FLOOR DRAIN		-	-	2"	1-1/2"	JAY R. SMITH	2010C	DUCO CAST IRON BODY. ADJUSTABLE, ROUND NICKEL BRONZE STRAINER
FS-1	FLOOR SINK		-	-	3"	1-1/2"	ZURN	Z1900	SANI-FLOR RECEPTOR 12" X 12" X 6" DEEP CAST IRON BODY AND SQUARE, LIGHT-DUTY 3/4 GRATE WITH SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, COMPLETE WITH WHITE ABS ANTI-SPLASH INTERIOR DOME STRAINER.
FS-2	FLOOR SINK		-	-	4"	1-1/2"	ZURN	Z1900	SANI-FLOR RECEPTOR 12" X 12" X 6" DEEP CAST IRON BODY AND SQUARE, LIGHT-DUTY 3/4 GRATE WITH SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, COMPLETE WITH WHITE ABS ANTI-SPLASH INTERIOR DOME STRAINER.
LA-1	WALL MOUNTED LAVATORY	X	1/2"	1/2"	1-1/2"	1-1/2"	ZURN	Z5340	VITREOUS CHINA. WALL HUNG LAVATORY. 20"x18". FRONT OVERFLOW. Z81104-XL FAUCET.
MB-1	MOP BASIN		3/4"	3/4"	1-1/2"	1-1/2"	FIAT	TSBC1610	12" MOP SERVICE BASIN, ONE PIECE, PRECAST TERRAZZO SURFACE. PROVIDE FAUCET CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT, 8" CENTER TO CENTER.
P-1	WATER CLOSET/LAVATORY COMBINATION UNIT - ANGLED LAV	X	1"	1/2"	4"	2"	ACORN	1432-AR-2	TYPE 304 STAINLESS STEEL SEEMLESS WELDED WITH SATIN FINISH. SERVICED FROM ACCESSIBLE PIPE CHASE. TOILET ANGLED RIGHT.
P-2	WATER CLOSET/LAVATORY COMBINATION UNIT - ANGLED LAV	X	1"	1/2"	4"	2"	ACORN	1432-AL-2	TYPE 304 STAINLESS STEEL SEEMLESS WELDED WITH SATIN FINISH. SERVICED FROM ACCESSIBLE PIPE CHASE. TOILET ANGLED LEFT.
P-3	WATER CLOSET/LAVATORY COMBINATION UNIT - OFFSET TOILET BOWL	X	1"	1/2"	4"	2"	ACORN	1449-RO-2	TYPE 304 STAINLESS STEEL SEEMLESS WELDED WITH SATIN FINISH. SERVICED FROM ACCESSIBLE PIPE CHASE. TOILET RIGHT OFFSET.
P-4	WATER CLOSET/LAVATORY COMBINATION UNIT - OFFSET TOILET BOWL	X	1"	1/2"	4"	2"	ACORN	1449-LO-2	TYPE 304 STAINLESS STEEL SEEMLESS WELDED WITH SATIN FINISH. SERVICED FROM ACCESSIBLE PIPE CHASE. TOILET LEFT OFFSET.
RD-1	COMBINATION ROOF DRAIN		-	-	3"	-	ZURN	Z164	12" DIAMETER COMBINATION ROOF AND OVERFLOW DRAIN WITH LOW SILHOUETTE DOMES AND DOUBLE TOP-SET DECK PLATE.
SH-1	SHOWER HEAD		1/2"	1/2"	2"	1-1/2"	ZURN	Z7301-SS-MT	SINGLE HANDLE PRESSURE BALANCING MIXING SHOWER UNIT, CERAMIC CONTROL CARTRIDGE WITH STAINLESS STEEL BALANCING PISTON.
SH-2	SHOWER HEAD	X	1/2"	1/2"	2"	1-1/2"	ZURN	Z7302-SS-MT-DV2P-HW-H7-S8	DUAL SHOWER HEAD. SINGLE HANDLE PRESSURE BALANCING MIXING SHOWER UNIT, CERAMIC CONTROL CARTRIDGE WITH STAINLESS STEEL BALANCING PISTON.
SK-1	HAND WASHING SINK		1/2"	1/2"	1-1/2"	1-1/2"	ELKAY	D11721	STAINLESS STEEL 17" X 21-1/4" X 6-1/2" SINGLE BOWL DROP-IN BAR SINK. FAUCET ELKAY LD500GN04T4.
SK-2	KITCHEN SINK		1/2"	1/2"	1-1/2"	1-1/2"	ELKAY	LR522	STAINLESS STEEL 25" X 22" X 8-1/8" SINGLE BOWL DROP-IN SINK.
SK-3	WALL HUNG SERVICE SINK		1/2"	1/2"	3"	3"	ELKAY	ESS4924RW6C	STAINLESS STEEL 49-1/2"x24"x10" WALL HUNG SERVICE SINK. CENTER DRAIN
SK-4	HOPPER SINK		1/2"	1/2"	4"	1-1/2"	FRANKE	CH	304 STAINLESS STEEL WITH HIGH INTEGRAL SPLASH BACK TO THE REAR AND BOTH SIDES.
SK-5	HAND WASHING SINK		1/2"	1/2"	1-1/2"	1-1/2"	ELKAY	EWS2520W4C	STAINLESS STEEL 25"x9.5"x10.5" WALL HUNG SINGLE BOWL HAND WASHING SINK. LK940GN05T4H FAUCET.
TP-1	TRAP PRIMER		1/2"	-	-	-	ZURN	Z1022-XL	ALL BRONZE BODY WITH INTEGRAL BREAKER, NON-LIMITING INTERNAL OPERATING PISTON.
WB-1	WASHER OUTLET BOX		1/2"	1/2"	2"	1-1/2"	GUY GRAY	MWB19	QUARTER TURN HAMMER ARRESTOR VALVES INSTALLED. 1/2" SWEAT CONNECTION.2" SLIPNUT DRAIN KIT.
WC-1	WALL MOUNTED WATER CLOSET (1.28 GPF)	X	1"	-	4"	2"	ZURN	Z5615.258.00.00.00	VITREOUS CHINA, HIGH EFFICIENCY, DIRECT-FED SIPHON JET. OPEN FRONT SEAT. PROVIDE WALL CARRIER,
WCO	WALL CLEANOUT		-	-	-	-	ZURN	Z1446	ROUND STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW AND BRONZE RAISED HEAD PLUG.

DENTAL AIR COMPRESSOR SCHEDULE

TAG	LOCATION	TYPE	AIRFLOW	PRESSURE (PSI)	COMPRESSOR DIMENSIONS			ELECTRICAL				TANK CAPACITY (GAL)	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
					LENGTH	WIDTH	HEIGHT	HP	RPM	VOLTS	PHASE					
DC-1	COMPRESSOR ROOM B-107	DENTAL COMPRESSOR	5.0	85	30"	20"	26"	1	-	208	1	12	136	RAMVAC	C3-12	

DENTAL VACUUM PUMP SCHEDULE

TAG	LOCATION	AIR FLOW RATE (CFM)	VACUUM PRESSURE ("HG)	RECEIVER VOLUME (GAL)	ELECTRICAL					INLET SIZE (IN)	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
					COMP QUANTITY	HP	FLA	VOLTS	PH					
VP-1	COMPRESSOR ROOM B-107	24	8	12	1	1	9	115	1	1 1/2"	200	AERASS	RV4-12	

ELECTRIC WATER HEATER SCHEDULE

TAG	STORAGE CAPACITY (GAL)	MIN RECOVERY (GPH)	INPUT (kW)	DISCHARGE TEMP. (F)	TEMP. RISE (F)	VOLTS / PH / HZ	AMPS	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
EWH-1	80	158	27	140	86	480/3/60	32.5	280	A.O. SMITH	DRE-80-27	

EXPANSION TANK SCHEDULE

TAG	SERVICE	TANK VOLUME (GAL)	MAXIMUM PRESSURE (PSIG)	WEIGHT 100% FULL (LBS)	MANUFACTURER	MODEL	NOTES
ET-1	DOMESTIC HOT WATER	2.0	150	27	AMTROL	ST-5C-DD	ASME-STAMPED, DIAPHRAGM TYPE, 55 PSIG PRECHARGED.

DOMESTIC RECIRCULATION PUMP SCHEDULE

MARK	LOCATION	TYPE	FLOW (GPM)	HEAD (FT WG)	CONNECTION SIZE (IN)	ON/OFF SETPOINT (°F)	ELECTRICAL			MANUFACTURER	MODEL	NOTES
							HP	VOLTS	PH			
CP-1	JANITOR B-111	INLINE	2	10	1"	100	1/6	115	1	GRUNDFOS	ALPH1 26-99	STAINLESS STEEL HOUSING AND BMS CONTROLS.

NOTES
1. COORDINATE WITH ELECTRICAL FOR POWER AND DISCONNECT AS REQUIRED.
2. PUMP TO CONTAIN LESS THAT 0.25% LEAD CONTENT ON WETTED SURFACE FOR DOMESTIC DISTRIBUTION.
3. MAXIMUM WORKING PRESSURE 150 PSIG AND MAXIMUM OPERATING TEMPERATURE OF 225°F.
4. PROVIDE AUTOMATIC TIMECLOCK TO ALLOW OPERATION ONLY DURING OCCUPIED HOURS.
5. PROVIDE AQUASTAT TO OPERATE PUMP WHEN HOT WATER RETURN TEMPERATURE DROPS BELOW SETPOINT.

FIXTURE CALCS

FIXTURE WATER LOAD VALUES					
FIXTURE	OCCUPANCY	TYPE OF SUPPLY	Quantity	Cold	Hot	Total
Drinking fountain	Offices, Etc.	3/8" valve	3	0.75	0	0.75
Kitchen sink	Hotel, Restaurant	Faucet	1	3	3	4
Lavatory/Hand sink	Public	Faucet	26	39	39	52
Group wash sink	Public	Faucet	0	0	0	0
Service sink	Offices, Etc.	Faucet	2	4.5	4.5	6
Hopper Sink	Health Care	Faucet	1	2.25	2.25	3
Water closet	Public	Flush valve	15	150	0	150
Urinal	Public	3/4" Flush valve	0	0	0	0
Wall hydrant (CW Only)	Public or private	Faucet	0	0	0	0
Shower head	Public	Mixing valve	5	15	15	20
Emergency Shower/Eyewash	Offices, Etc.	Faucet	0	0	0	0
Emergency Eye/Face wash	Offices, Etc.	Faucet	4	26	26	26
Hangar Hose Station	Public	Faucet	0	0	0	0
Hose Bibb	Public or private	Faucet	0	0	0	0
Dishwasher	Offices, Etc.	Automatic	0	0	0	0
Washing machine box	Offices, Etc.	Faucet	1	2.25	2.25	3
Ice Maker	Offices, Etc.	3/8" valve	0	0	0	0
		TOTAL		242.75	92	264.75
					2-1/2"	2"	2-1/2"

264.75 Fixture Units = 104.5 gpm Exisitng 2-1/2"
Calculation based on International Plumbing Code Table and Figures E103.3(2) thru E103.3(7)

DRAINAGE FIXTURE LOAD VALUES			
FIXTURE	Fixture Unit	Quantity	Total
Drinking fountain	0.5	3	1.5
Lavatory/Handsink	1	26	26
Kitchen sink	2	1	2
Bar Sink	2	0	0
Service sink	2	2	4
Hopper Sink	3	1	3
Shower	2	5	10
Laundry tub	2	0	0
Water closet	4	15	60
Urinal	4	0	0
Dishwashing Machine	2	0	0
Washing Machine	3	1	3
Floor Drain	2	0	0
	TOTAL		109.5

109.5 Sanitary Fixture Units = 4" Main with 1/8" Slope
Calculation based on International Plumbing Code Section 709

HOT WATER HEATER CALCS

Project Information

Project #:	213-26912-22005	Prepared for:	DOC
Project Name:	Baylor Infirmary		
Location:	New Castle, DE	Prepared by:	Tony Sophy
Engineer:			
Contractor:			

Selected Product

DRE-80-27
Gold Series

# Heaters:	1	Heater Recovery:	130 USGPH @ 86 °F Rise
Model Number:	DRE-80-27	1st Hour Delivery:	194 USGPH
Heater Storage (ea):	80 USG	3 Hour Average:	151 USGPH
Input (ea):	27.0 kW	Est. Storage Recovery:	37 min
New External Tanks:	0	% Of Demand:	123%
Tank Capacity (ea):	0 USG		
Total Usable Storage:	64 USG		

Model Number	ft³ Cube Trailer Load Factor	Gallon Capacity	Recovery Capacity GPH 100 Degree Rise	Input KW	Height	Diameter	Approx. Shipping Weight (lbs.)
DRE-80-27	1.79	80	111	27.0	59.5		279



- Phase Convertible
- CSA Certified and ASME Rated T&P Relief Valve
- Meet or exceed the thermal efficiency and/or standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1
- Surface Mounted Thermostats
- Incoloy Elements
- Individual Element Fusing

Application Loads

Summary

Peak Demand:	158 USGPH	Temperature Rise:	86 °F

Sizing Notes
Hot water loads for pools, hot tubs, or other uses should be considered separately. Restaurant or food service loads should be considered separately if independent water heating equipment is to be used.

Application Settings

Type:	Hospital / Nursing Home		
Building Use:	High % Ambulatory	Cold Water Temp:	54 °F
Peak Demand Period:	1.00 Hours	Stored Water Temp:	140 °F

Load Data

Number of Beds:	9
Number of Basins (Private Lavatory):	9
Number of Basins (Public Lavatory):	20
Number of Bathtubs:	0
Number of Dishwashers:	0
Dishwasher Demand:	100 USGPH
Number of Foot Basins:	0
Number of Kitchen Sinks:	0
Number of Laundry, Stationary Tubs:	0
Number of Pantry Sinks:	0
Number of Shower Heads:	5
Shower Head Flowrate:	2.5 USGPM
Number of Service Sinks:	2
Number of Hydrotherapeutic Showers:	0
Number of Hubbard Baths:	0
Number of Leg Baths	0
Number of Arm Baths	0
Number of Sitz Baths	2
Number of Continuous Flow Baths	0
Number of Bradley Washfountains (Full):	0
Number of Bradley Washfountains (Half):	2
Additional Load:	0 USGPH
Design Oversize:	0%

TETRA TECH
240 CONTINENTAL DRIVE, SUITE 200
NEWARK, DELAWARE 19713
TEL. 302.738.7551 FAX. 302.454.5988
www.tetratech.com

MITCHELL GRAF LICENSE No. 23519 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	DB

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
SCHEDULES

PROJ:	213-26912-22005
DESN:	TS
DRWN:	TS
CHKD:	DB

P-601

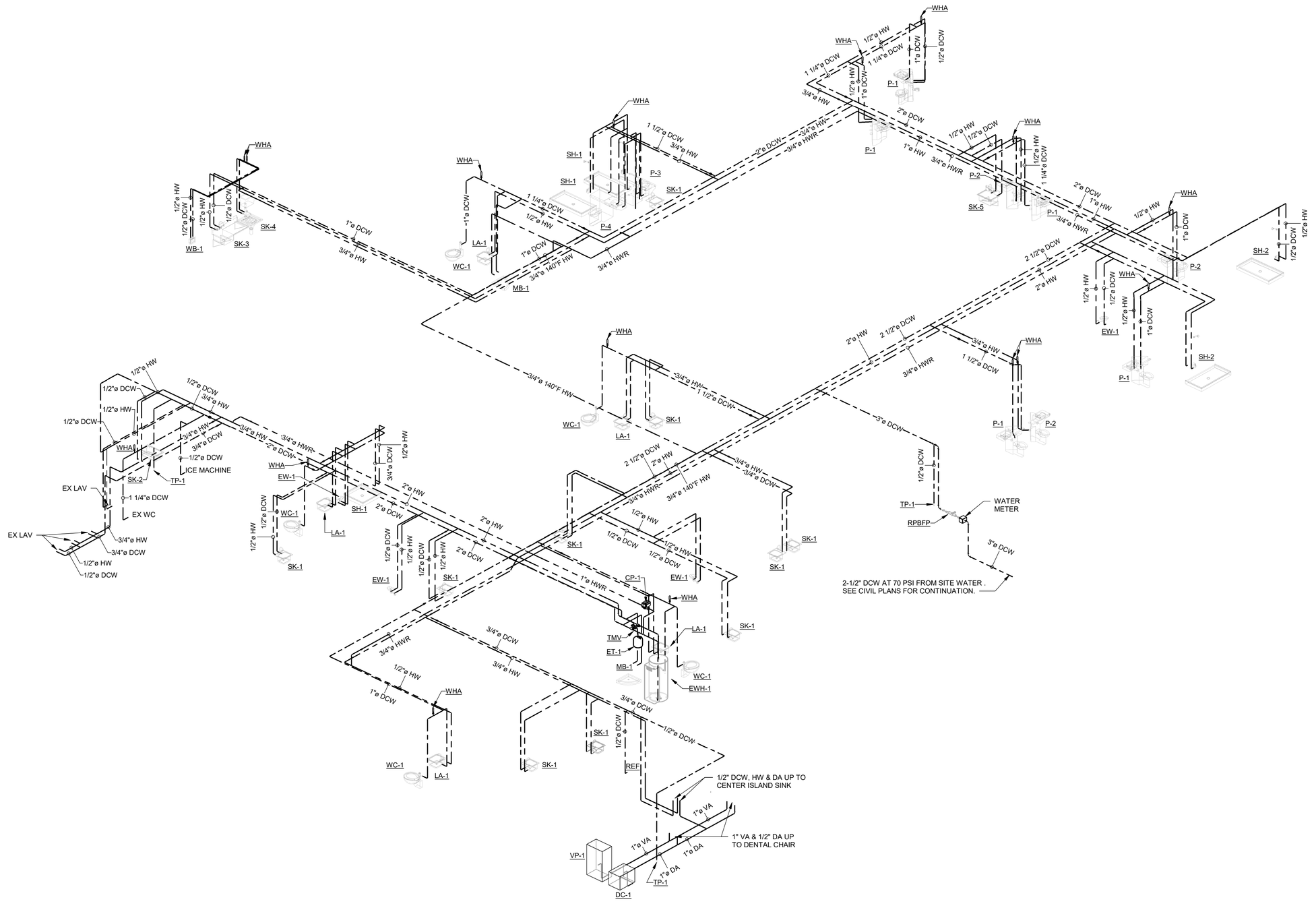
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Bar measures 1 inch, otherwise drawing is not to scale



1 P-901 PRESSURE PIPING ISOMETRIC

SCALE:

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1	07/27/26	ISSUED FOR BID	DB

OMB/DRM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
ISOMETRICS

PROJ:	213-26912-22005
DESN:	TS
DRWN:	TS
CHKD:	DB

P-901

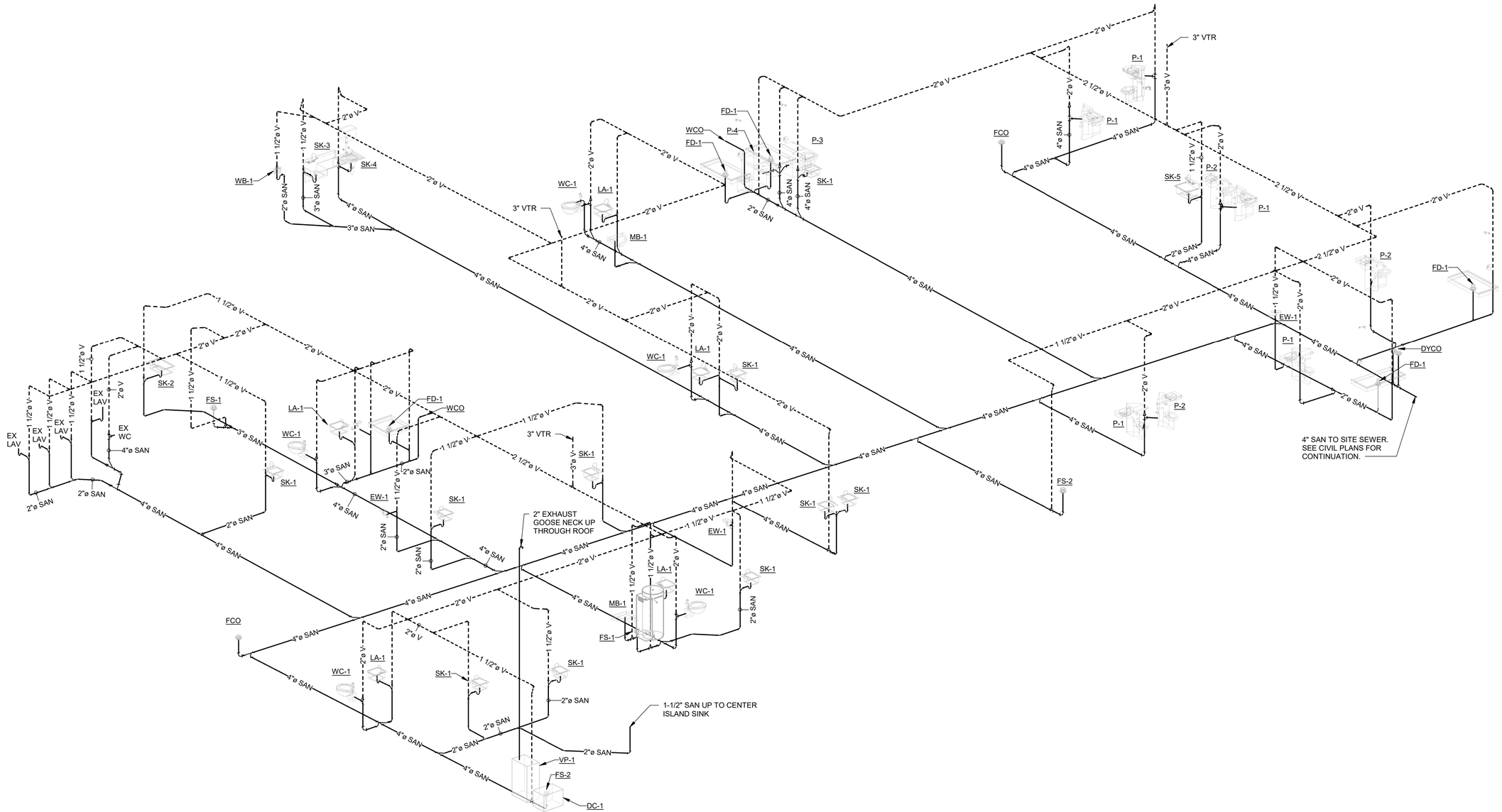
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1 P-902 WASTE & VENT ISOMETRIC

SCALE:

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INFIRMARY EXPANSION
ISOMETRICS

PROJ:	213-26912-22005
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CHKD:	DB

P-902

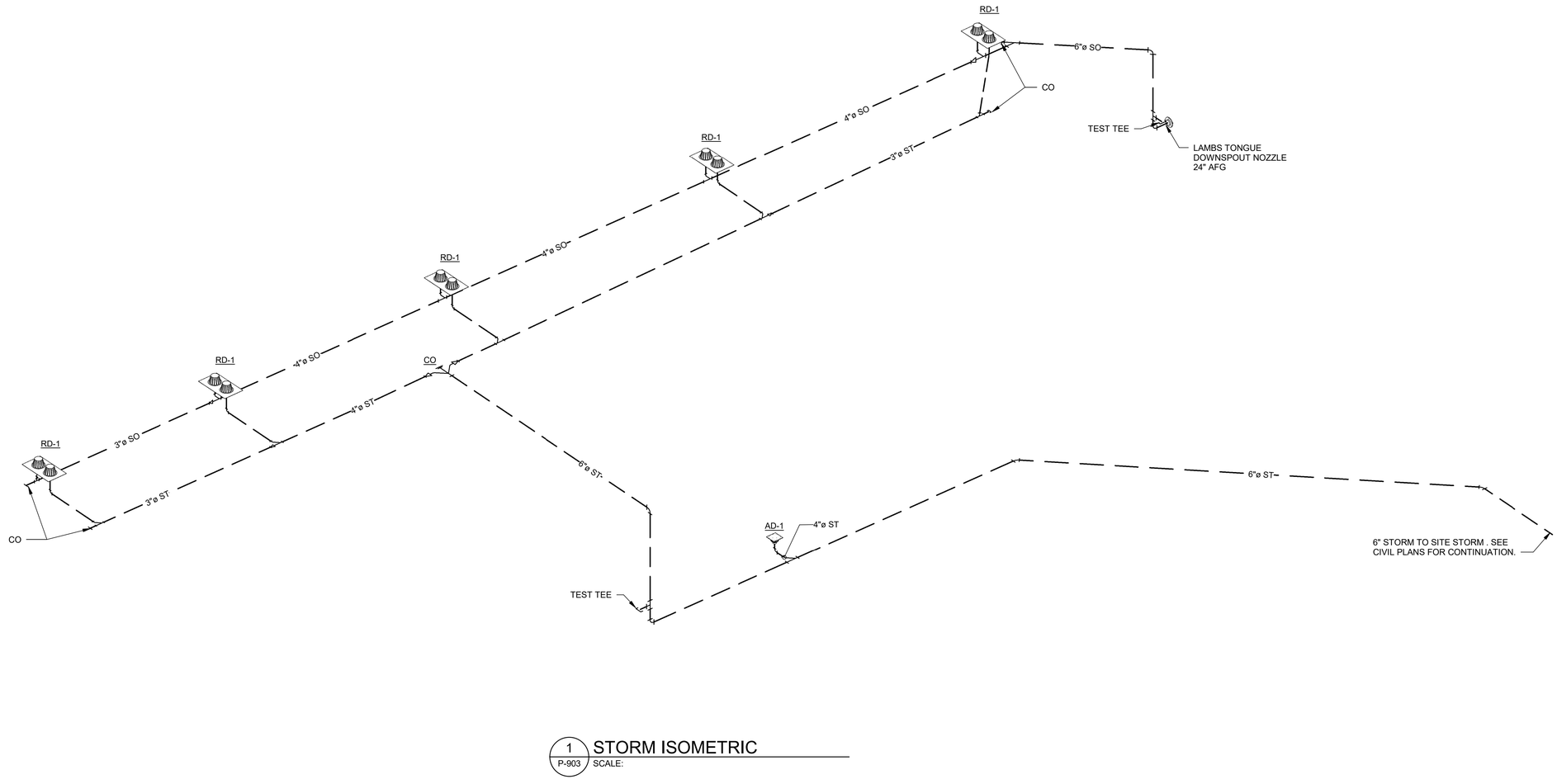
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1 P-903 STORM ISOMETRIC
SCALE:

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OMB/DRM CONTRACT # MJ3804000111
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INFIRMARY EXPANSION
ISOMETRICS

PROJ:	213-26912-22005
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ABBREVIATIONS

#	NUMBER
°	DEGREES
Ø	DIAMETER
Φ	PHASE
A	AMPERE
A/C	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR TO CENTERLINE
AFG	ABOVE FINISHED GRADE TO CENTERLINE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATIVE
ANN	ANNUNCIATOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARNEC	U.S. ARMY RESERVE NETWORK ENTERPRISE CENTER
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BC	BELOW COUNTER
BCG	BARE COPPER GROUNDING/BONDING CONDUCTOR
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
cd	CANDELA RATING
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFGI	CONTRACTOR FURNISHED, GOVERNMENT INSTALLED
CH	COUNTER HEIGHT
CKT	CIRCUIT
CLG	CEILING
CO	CONTRACTING OFFICER
COMM	COMMUNICATION
CP	CONTROL PANEL
CU	COPPER
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
DDC	DIRECT DIGITAL CONTROL
DISC	DISCONNECT
DN	DOWN
DP	DISTRIBUTION PANEL BOARD
ECU	ENERGY CONTROL UNIT
EF	EXHAUST FAN (MECHANICAL EQUIPMENT)
EGB	ELECTRIC GROUND BOX
EIA	ELECTRONIC INDUSTRIES ALLIANCE
ELCU	ELECTRICAL LOAD CONTROL UNIT
ELEC	ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMS	EMERGENCY STOP BUTTON
EMT	ELECTRICAL METALLIC TUBING
EUH	ELECTRICAL UNIT HEATER
EWH	ELECTRIC WATER HEATER
EX	EXISTING DEVICE TO REMAIN
EXT	EXTERIOR
FAAP	FIRE ALARM ANNUNCIATION PANEL
FACP	FIRE ALARM CONTROL PANEL
FATR	FIRE ALARM TRANSMITTER
FLA	FULL LOAD AMPERES
FLR	FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
FMCP	FIRE ALARM & MASS NOTIFICATION CONTROL PANEL
FPC	FIRE PUMP CONTROL
FRPS	FIRE ALARM REMOTE POWER SUPPLY
FT	FEET
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
HH	HANDHOLE
HP	HORSEPOWER
I/O	INPUT/OUTPUT
IAW	IN ACCORDANCE WITH
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

ABBREVIATIONS

JB	JUNCTION BOX
JPC	JOCKEY PUMP CONTROL
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LB	POUND
LCU	LIGHTING CONTROL UNIT
LM	LUMEN
LPS	LIGHTNING PROTECTION SYSTEM
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT ADJUSTABLE
LTG	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MAIN CONTROL PANEL
MECH	MECHANICAL
MGB	MAIN GROUND BAR
MGE	MOTOR GENERATOR EQUIPMENT
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MM	MULTI MODE
MOD	MOTOR OPERATED DAMPER
MOV	METAL-OXIDE-VARISTOR
MPZ	MINI POWER ZONE
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL
N1	NEMA 1 ENCLOSURE
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OFDR	OFFENDER
OH	OVERHEAD
OSP	OUTSIDE PLANT
PCO	PSYCHIATRIC CLOSE OBSERVATION
PDA	POWER DISTRIBUTION ASSEMBLY
PF	POWER FACTOR
PNL	PANEL
RCP	REFLECTED CEILING PLAN
RE	RELOCATED
RECP	RECEPTACLE
RGS	RIGID STEEL CONDUIT
RM	ROOM
RMC	RIGID METALLIC CONDUIT
RO	REVERSE OSMOSIS
RSFACU	RELEASING SERVICE FIRE ALARM CONTROL UNIT
RT	REMOTE TRANSMITTER
SPD	SURGE PROTECTION DEVICE
SSU	SYSTEM SUPPORT UNIT
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TBB	TELECOMMUNICATIONS BACKBOARD
TGB	TELECOMMUNICATIONS GROUND BAR
TMGB	TELECOMMUNICATIONS MAIN GROUND BAR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UFC	UNIFIED FACILITIES CRITERIA
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTAGE
VA	VOLT AMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
W/	WITH
WKST	WORKSTATION
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL SYMBOLS LEGEND

- DUPLEX RECEPTACLE, WALL MOUNTED, 20A, 125V, 18" AFF UON
- QUADRUPLEX RECEPTACLE, WALL MOUNTED, 20A, 125V, 18" AFF UON
- RECEPTACLE WITH GROUND FAULT PROTECTION
- RECEPTACLE WITH GFI AND WEATHERPROOF WHILE IN USE COVER
- RECEPTACLE WITH GFI AND WEATHERPROOF NOT WHILE IN USE COVER
- RECEPTACLE WITH ARC FAULT PROTECTION
- RECEPTACLE, 50% SWITCHED
- RECEPTACLE, 100% SWITCHED
- RECEPTACLE, TAMPER-RESISTANT
- RECEPTACLE, SPECIAL PURPOSE, TYPE NOTED ON PLANS
- SPECIAL PURPOSE ELECTRICAL CONNECTOR
- RECEPTACLE, CEILING MOUNTED
- RECEPTACLE, CORD REEL MOUNTED
- RECEPTACLE, FLOOR MOUNTED
- FB — FLUSH FLOOR MOUNTED POWER/DATA/AV FLOOR BOX, SEE PLANS FOR TYPE
- XX — RECEPTACLE WALL MOUNTED AT XX HEIGHT
- TV — FLUSH WALL MOUNTED POWER/DATA/AV WALL BOX, SEE PLANS FOR TYPE
- $ — LIGHT SWITCH, WALL MOUNTED, 20A 120/277V, 48" AFF UON, SINGLE POLE
- LV — LIGHT SWITCH, WALL MOUNTED, 20A 120/277V, 48" AFF UON, LOW VOLTAGE DIGITAL.
- LV/D — LIGHT SWITCH, WALL MOUNTED, 20A 120/277V, 48" AFF UON, LOW VOLTAGE DIGITAL AND DIMMING CONTROL.
- $LV2$ — LIGHT SWITCH, WALL MOUNTED, 20A 120/277V, 48" AFF UON, LOW VOLTAGE DIGITAL FOR CONFERENCE ROOM.
- (M) — VACANCY/OCCUPANCY SENSOR, CEILING MOUNTED.
- 2 (M) — VACANCY/OCCUPANCY SENSOR, CEILING MOUNTED, FOR CONFERENCE ROOM.
- FACP — FIRE ALARM CONTROL PANEL, PROVIDE 120VAC CIRCUIT
- IDP — INTRUSION DETECTION PANEL, PROVIDE 120VAC CIRCUIT
- ACP — ACCESS CONTROL PANEL, PROVIDE 120VAC CIRCUIT
- ANN — REMOTE ANNUNCIATOR PANEL
- 30/3/3R — MOTOR STARTER, COMBINATION TYPE STARTER & DISCONNECT, NEMA 3R UON
- 3/30/25/3R — DISCONNECT SWITCH, FUSIBLE 3/30/25 INDICATES 30A 3P 25A FUSE, NEMA 3R UON
- 3/30/NF/3R — DISCONNECT SWITCH, NON-FUSIBLE 30/3 INDICATES 30A 3P, NEMA 3R UON
- C — ENCLOSED CIRCUIT BREAKER
- M — MOTOR RATED SWITCH
- PUSH BUTTON
- TRANSFORMER
- PAD MOUNT TRANSFORMER
- S — HIGH VOLTAGE SWITCH
- PANELBOARD
- METER
- J — JUNCTION BOX
- J — JUNCTION BOX, WALL MOUNTED
- J — JUNCTION BOX, WALL MOUNTED WITH MODULAR FURNITURE WHIP
- E — PROVIDE ELECTRICAL CONNECTION TO EQUIPMENT FURNISHED BY OTHERS, SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE
- G — STATIC GROUNDING POINT GROUND MOUNTED
- GROUND BUS BAR
- GROUND ROD
- GROUND ROD TEST WELL
- BONDING CLAMP
- AIR TERMINAL
- G — UNDERGROUND GROUND CONDUCTOR
- E — UNDERGROUND ELECTRICAL SECONDARY CONDUCTOR
- OE — OVERHEAD ELECTRICAL PRIMARY CONDUCTOR
- UE — UNDEGROUND ELECTRICAL PRIMARY CONDUCTOR
- LP — LIGHTNING PROTECTION

ELECTRICAL SYMBOLS LEGEND (CONTINUED)

- a — RECESSED DOWN LIGHT, CONTROLLED BY SWITCH 'a' IF INDICATED
- a — RECESSED DOWN LIGHT WITH BATTERY BACKUP, CONTROLLED BY SWITCH 'a' IF INDICATED
- a — PENDANT MOUNTED ROUND FIXTURE, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — PENDANT MOUNTED ROUND FIXTURE WITH BATTERY BACKUP, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — SURFACE MOUNT FIXTURE, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — SURFACE MOUNT FIXTURE WITH BATTERY BACKUP, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — PENDANT STRIP LIGHT FIXTURE, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — PENDANT STRIP LIGHT FIXTURE WITH BATTERY BACKUP, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — RECESSED LIGHT FIXTURE 2X4, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — RECESSED LIGHT FIXTURE 2X4 WITH BATTERY BACKUP, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — SUSPENDED LIGHT FIXTURE, SIZED PER PHYSICAL DIMENSIONS OF FIXTURE, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — SUSPENDED LIGHT FIXTURE WITH BATTERY BACKUP, SIZED PER PHYSICAL DIMENSIONS OF FIXTURE, CONTROLLED BY SWITCH 'a' IF INDICATED.
- WALL MOUNTED LIGHT SEE SCHEDULE FOR TYPE, CONTROLLED BY SWITCH 'a' IF INDICATED.
- a — UNDERCABINET LIGHT FIXTURE, CONTROLLED BY SWITCH 'a' IF INDICATED.
- CEILING MOUNTED EXIT LIGHT WITH BATTERY BACKUP SEE SCHEDULE. PROVIDE AN UNSWITCHED CONDUCTOR TO EACH EMERGENCY UNIT.
- WALL MOUNTED EXIT LIGHT WITH BATTERY BACKUP SEE SCHEDULE. PROVIDE AN UNSWITCHED CONDUCTOR TO EACH EMERGENCY UNIT.
- CEILING MOUNTED EXIT LIGHT AND BUG-EYE STYLE EMERGENCY LIGHT COMBO WITH BATTERY BACKUP SEE SCHEDULE. PROVIDE AN UNSWITCHED CONDUCTOR TO EACH EMERGENCY UNIT.
- WALL MOUNTED EXIT LIGHT AND BUG-EYE STYLE EMERGENCY LIGHT COMBO WITH BATTERY BACKUP SEE SCHEDULE. PROVIDE AN UNSWITCHED CONDUCTOR TO EACH EMERGENCY UNIT.
- BUG-EYE STYLE EMERGENCY LIGHT WITH BATTERY BACKUP. PROVIDE AN UNSWITCHED CONDUCTOR TO EACH EMERGENCY UNIT.
- POLE MOUNTED PARKING LOT LIGHT, SEE SCHEDULE FOR TYPE
- P — PHOTOCELL
- C — LIGHTING CONTACTOR
- LC — DESK-MOUNTED TOUCH SCREEN LIGHTING CONTROL DISPLAY.
- TELECOMMUNICATIONS BACKBOARD
- TELECOMMUNICATIONS TWO POST RACK
- CONDUIT TURN UP
- CONDUIT TURN DOWN
- CONDUIT STUB-UP AND CAP, TERMINATION
- BRANCH CIRCUIT, UNDERGROUND OR CONCEALED BELOW SLAB.
- BRANCH CIRCUIT, HOMERUN, 2#12, #12GND, 3/4"C MIN UON
- BRANCH CIRCUIT, CONCEALED ABOVE CEILING OR IN WALL WHERE POSSIBLE, WHERE EXPOSED ROUTE PARALLEL OR PERPENDICULAR TO STRUCTURE.
- CEILING FAN, SEE MECHANICAL DRAWINGS FOR TYPE

HATCHING SYMBOL LEGEND

- DEMOLITION - HATCHED AREAS INDICATE EXISTING ELECTRICAL EQUIPMENT/DEVICES TO BE DEMOLISHED OR REMOVED
- OUT OF SCOPE - SHADED AREAS INDICATE AREAS OUT OF SCOPE, UON

GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED BY CERTIFIED ELECTRICIANS OR UNDER THE SUPERVISION OF A CERTIFIED ELECTRICIAN. ELECTRICIAN SHALL BE LICENSED IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
2. REFER TO THE APPROPRIATE DRAWING FOR THE EXACT LOCATION OF EQUIPMENT INSTALLED UNDER DIVISIONS OF THE DOCUMENTS WHICH REQUIRE ELECTRICAL SERVICE.
3. FIELD ADJUST THE LIGHT FIXTURE LAYOUT TO CLEAR ANY BEAMS, COLUMNS, PIPING, ETC. THAT MIGHT BE IN THE WAY.
4. VERIFY DOOR SWINGS WITH ARCHITECTURAL PLANS AND MANUFACTURER SHOP DRAWINGS FOR PROPER LOCATION OF SWITCHES.
5. FIXTURE FINISHES SHALL BE COORDINATED WITH CONTRACTING OFFICER.
6. RECESSED ELECTRICAL BOXES SHALL BE OFFSET 2'-0" MINIMUM IN FIRE RATED WALLS. COORDINATE WITH CONTRACTING OFFICER FOR LOCATION AND TYPES OF FIRE RATED WALLS.
7. PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE FIRE STOPPED BY A UL APPROVED FIRE STOP SYSTEM.
8. ELECTRICAL WORK SHALL CONFORM TO THE NEC AS A MINIMUM STANDARD. ITEMS SPECIFIED BY BRAND NAME ARE ON AN "OR EQUAL" BASIS, UON.
9. ROUTE POWER FEEDING MECHANICAL EQUIPMENT THROUGH MOTOR STARTERS AND/OR VFDs AS INDICATED ON MECHANICAL SCHEDULES AND CONTROLS DRAWINGS. MOTOR STARTERS AND VFDs SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. CONTRACTOR SHALL COORDINATE ACCORDINGLY.
10. PROVIDE ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. WIRE AND CONDUIT SHALL BE BASED ON THE NEC, UON.
11. THE ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS PRIOR TO THE INSTALLATION OF THE ELECTRICAL SYSTEMS.
12. PROVIDE GFI PROTECTED RECEPTACLES AT THE FOLLOWING LOCATIONS;
    A. EXTERIOR RECEPTACLES.
    B. RECEPTACLES WITHIN 6' OF A SINK.
    C. RECEPTACLES IN LATRINES OR SHOWER ROOMS.
    D. RECEPTACLES LOCATED WITHIN KITCHENS.
13. RECEPTACLE AND SWITCH BOXES SHALL BE ROUGHED IN FLUSH WITH WALL SURFACE.
14. PROVIDE SUPPORTS AS REQUIRED FOR LIGHT FIXTURES, CONDUIT, DISCONNECTS, ETC.
15. ARRANGE LIGHT FIXTURES IN MECHANICAL ROOMS TO PROVIDE MAXIMUM LIGHTING ON FLOOR AND MINIMUM INTERFERENCE WITH MECHANICAL EQUIPMENT AND HEADROOM.
16. EXIT SIGNS SHALL BE CIRCUITED AHEAD OF THE SWITCHES.
17. EMERGENCY LIGHTING FIXTURES SHALL BE PROVIDED WITH AN UNSWITCHED CONDUCTOR TO EACH BATTERY BACK-UP UNIT WHERE BATTERY-BACKUPS ARE PRESENT.
18. PROVIDE JUNCTION BOXES AS INDICATED ON PLANS AND WHERE REQUIRED PER NEC. WHERE NOT SPECIFICALLY INDICATED, SIZE PER NEC ARTICLE 314.
19. DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT SHALL BE MOUNTED TO THE STRUCTURE, NOT TO THE EQUIPMENT. PROVIDE NECESSARY MOUNTING SUPPORT AS REQUIRED.
20. LABEL POWER AND SWITCH OUTLETS WITH RESPECT TO CIRCUIT BREAKER AND PANEL LOCATION.
21. CONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER NEC TO PREVENT ENTRANCE OF MOISTURE.
22. BRANCH CONDUITS SHALL BE RUN HIGH AND TIGHT TOGETHER WHEN FEASIBLE, UON.
23. ELECTRICAL LEGEND IS GENERIC. NOT ALL ITEMS NOTED ARE IN THE PROJECT.
24. REFER TO THE RESPECTIVE 'x-001' DISCIPLINE SPECIFIC LEGEND, ABBREVIATIONS, AND GENERAL NOTES SHEETS FOR ITEMS, SYMBOLS, AND TERMINOLOGY UNIQUE TO EACH DISCIPLINE.

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JOSEPH K. HOOVER LICENSE
07/22/26
No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

LEGEND, ABBREVIATION AND GENERAL NOTES

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

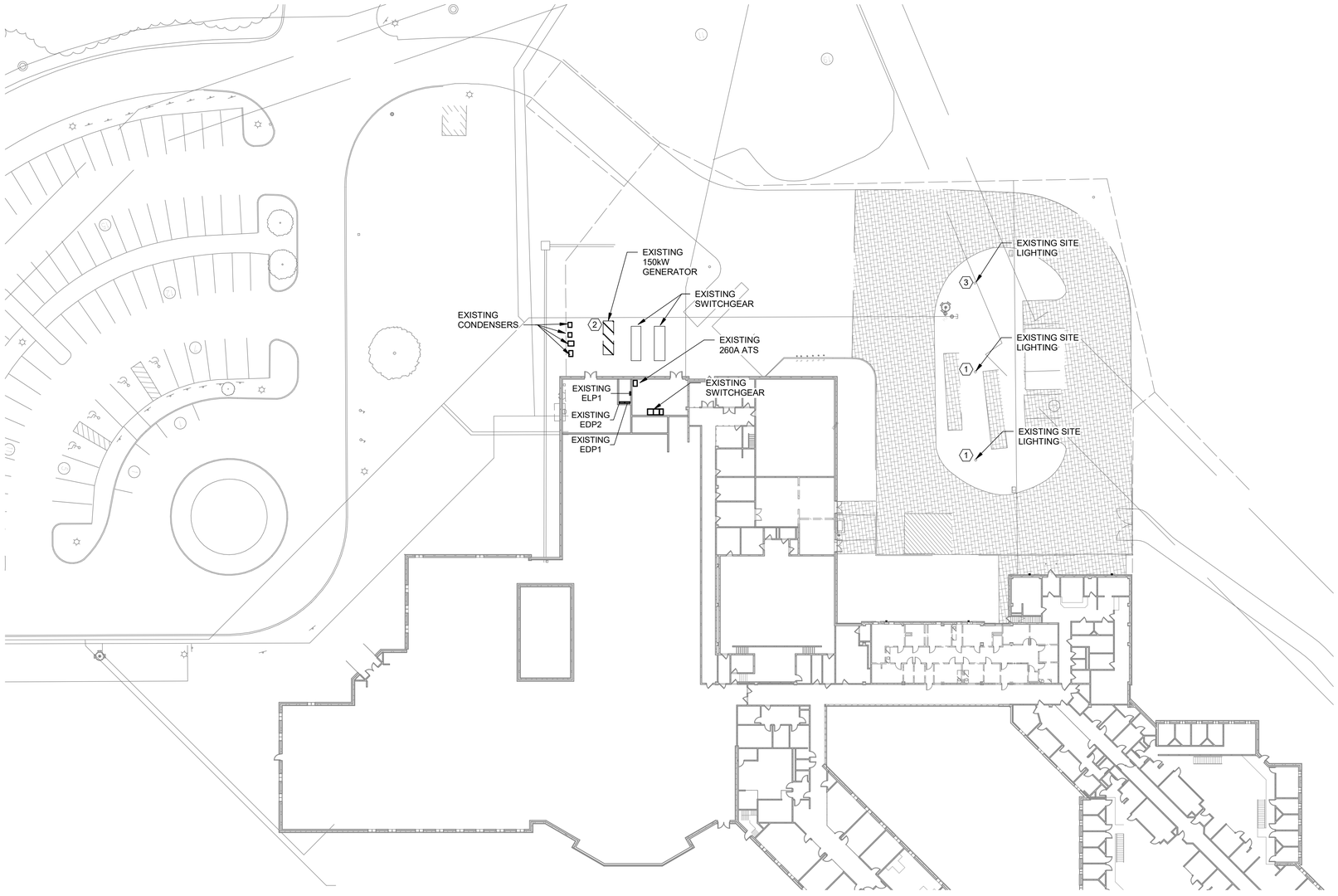
E-001

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Bar measures 1 inch, otherwise drawing is not to scale



1 ED100 ELECTRICAL DEMOLITION SITE PLAN
SCALE: 1/32" = 1'-0"

GENERAL NOTES:

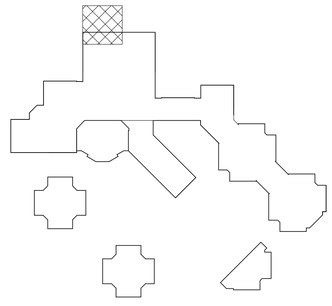
1. REFER TO SHEET E-001 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGENDS.
2. EXISTING CONDUITS REMAINING IN PLACE MAY BE REUSED, PROVIDED CONDUIT IS IN SATISFACTORY CONDITION, AS DETERMINED BY OWNER, AND IS RUN IN DIRECT MANNER BETWEEN INTENDED SOURCE AND LOAD. THOROUGHLY CLEAN EXISTING CONDUITS BEFORE INSTALLATION OF WIRE.
3. DO NOT REUSE REMOVED CONDUIT, CABLE, AND WIRE.
4. IN AREAS OF WORK (INCLUDING AREAS WHERE CEILING WILL BE REMOVED), REMOVE EXISTING EXPOSED UNUSED SYSTEMS CABLES IN THEIR ENTIRETY IAW THE NEC. VERIFY WITH OWNER THAT CABLES ARE UNUSED AND OBTAIN OWNER'S WRITTEN APPROVAL PRIOR TO REMOVAL.
5. DEVICES AND EQUIPMENT NOT EXPLICITLY NOTED AS DEMOLISHED ARE TO REMAIN POWERED, UON. ELECTRICAL DEVICES AND CIRCUITRY INTERFERING WITH DEMOLITION WORK SHALL BE DISCONNECTION AND REMOVED, UON. EXISTING CIRCUIT WIRING SHALL BE REMOVED BACK TO SOURCE AND PANEL DIRECTORIES MODIFIED ACCORDINGLY.
6. ELECTRICAL DEMOLITION WORK SHALL BE PROPERLY COORDINATED WITH OTHER TRADES.
7. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED LIGHT FIXTURES AND BALLASTS THAT MAY CONTAIN PCBs OR MERCURY, IAW ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAW.
8. REVIEW EQUIPMENT SCHEDULED TO BE REMOVED WITH OWNER, DELIVER TO OWNER'S STORAGE FACILITY ALL EQUIPMENT REQUESTED, BY OWNER, ALL OTHER EQUIPMENT TO BE DISPOSED OF PROPERLY.
9. DISCONNECT AND REMOVE EXISTING RECEPTACLE, RECEPTACLE CONTROL DEVICES, RACEWAYS, CABLES, WIRES, AND ASSOCIATED COMPONENTS CIRCUITRY TO SOURCE UON. MODIFY/EXTEND CIRCUITRY TO MAINTAIN OPERATION OF REMAINING DEVICES ON THE SAME CIRCUIT. UPDATE MARKS/LABELS/TAGS ON CIRCUITRY TO INDICATE TYPE OF CIRCUIT (NORMAL/EMERGENCY/ETC.) AND THE AREA OR ITEMS SERVED.
10. DISCONNECT AND REMOVE EXISTING LIGHTING, LIGHTING CONTROL DEVICES, RACEWAYS, CABLES, WIRES, AND ASSOCIATED COMPONENTS INDICATED TO SOURCE, UON. MODIFY/EXTEND CIRCUITRY TO MAINTAIN OPERATION OF REMAINING DEVICES ON THE SAME CIRCUIT. UPDATE MARKS/LABELS/TAGS ON CIRCUITRY TO INDICATE TYPE OF CIRCUIT (NORMAL/EMERGENCY/ETC.) AND THE AREA OR ITEMS SERVED.
11. UPON COMPLETION OF SCHEDULED WORK, TRACE AND IDENTIFY NEW AND EXISTING LOADS SERVED BY EACH CIRCUIT FROM PANELS AND BALANCE LOADS AMONG PHASE (RE-CIRCUITING) WHEN NEEDED. PROVIDE NEW ACCURATE TYPE-WRITTEN PANEL DIRECTORIES IDENTIFYING LOADS. SWITCH OFF UNUSED BREAKERS AND LABEL AS "SPARE".
12. WHERE EXISTING CEILINGS ARE TO BE DEMOLISHED, THE CONTRACTOR IS TO PROVIDE SUPPORT FOR EXISTING TO REMAIN RACEWAYS AND CIRCUITRY SUPPORTED BY CEILING GRID OR CEILING SUPPORT CABLES. MODIFY/EXTEND RACEWAYS AND CIRCUITRY AS NECESSARY TO MAINTAIN REQUIRED SUPPORT.
13. WHERE WALL DEVICES ARE SHOWN AS DEMOLISHED IN WALLS THAT ARE EXISTING TO REMAIN, PATCH TO MATCH ADJACET FINISHES. WHERE WIRING FOR OTHER DEVICES PASS THROUGH THE WALL BOX OR THE BOX IS OTHERWISE STILL UTILIZED, PROVIDE COVER PLATE.
14. DEMOLITION DRAWINGS INDICATE GENERAL DEMOLITION SCOPE AND INTENT OF DEMOLITION WORK REQUIRED. DEMOLITION DRAWINGS DO NOT PROVIDE EXACT QUANTITIES AND SPECIFIC TYPES OF MATERIALS AND EQUIPMENT TO BE REMOVED.
15. OTHER UTILITY LINES ARE SHOWN FOR REFERENCE ONLY. SEE TELECOMMUNICATIONS AND CIVIL SHEETS FOR ADDITIONAL INFORMATION.
16. SPECIAL CARE SHALL BE TAKEN TO AVOID DAMAGING EXISTING UTILITIES (WATER, SEWER, POWER, GAS, COMMUNICATIONS, ETC.) DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND LOCATING ALL EXISTING SITE UTILITIES (OVERHEAD & UNDERGROUND) IN THE AREA OF EXCAVATION AND/OR DRILLING. CONTRACTOR MUST CONTACT MISS DIG SYSTEM, INC. BY PHONE AT 811 OR VIA THE WEB A MINIMUM OF 3 BUSINESS DAY PRIOR TO EXCAVATING AND/OR DRILLING, EXCLUDING WEEKENDS AND HOLIDAYS. NO ADDITIONAL COMPENSATION SHALL BE GIVEN FOR REPAIRS REQUIRED FOR ANY INCURRED DAMAGES, WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. SUCH DAMAGES (IF HAPPENED) SHALL BE REPAIRED IMMEDIATELY TO RESUME SERVICES WITH MINIMAL OUTAGES AND AT NO ADDITIONAL COST TO THE OWNER.
17. PRIOR TO COMMENCING GENERATOR REMOVAL, THE CONTRACTOR MUST VERIFY AND DOCUMENT THE CONNECTED LOAD CURRENTLY SUPPORTED BY THE LOADS CONNECTED TO GENERATOR POWER. ANY LOADS INTERRUPTED AFTER GENERATOR REMOVAL MUST BE TRANSFERRED TO A TEMPORARY ALTERNATE POWER SOURCE AND VERIFIED FOR PROPER OPERATION BEFORE REMOVAL BEGINS. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND ENSURING POWER CONTINUITY TO ALL ESSENTIAL LOADS, INCLUDING THOSE NOT EXPLICITLY SHOWN IN THE PROJECT DOCUMENTATION OR DRAWINGS.

KEY NOTES:

1 DISCONNECT AND REMOVE THE EXISTING WIRING AND CONDUIT FOR THE SITE LIGHTING BACK TO THE SOURCE PANEL. MAINTAIN CONNECTION TO ALL REMAINING SITE LIGHTING.

2 DISCONNECT AND REMOVE THE EXISTING 150 KW GENERATOR. REMOVE EXISTING CONDUIT AND PREPARE AREA AND PENETRATIONS THROUGH WALL FOR NEW CONDUIT.

3 EXISTING TO REMAIN. MAINTAIN CURRENT POWER AND CONTROLS TO ENSURE FULL OPERATION. ENTEND WIRING AS REQUIRED.



KEY PLAN: NTS

PLAN NORTH

32' 0' 32' 64'
SCALE: 1/32" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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JOSEPH K. HOOVER LICENSE 07/22/26 No. 29078 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
ELECTRICAL DEMOLITION SITE PLAN

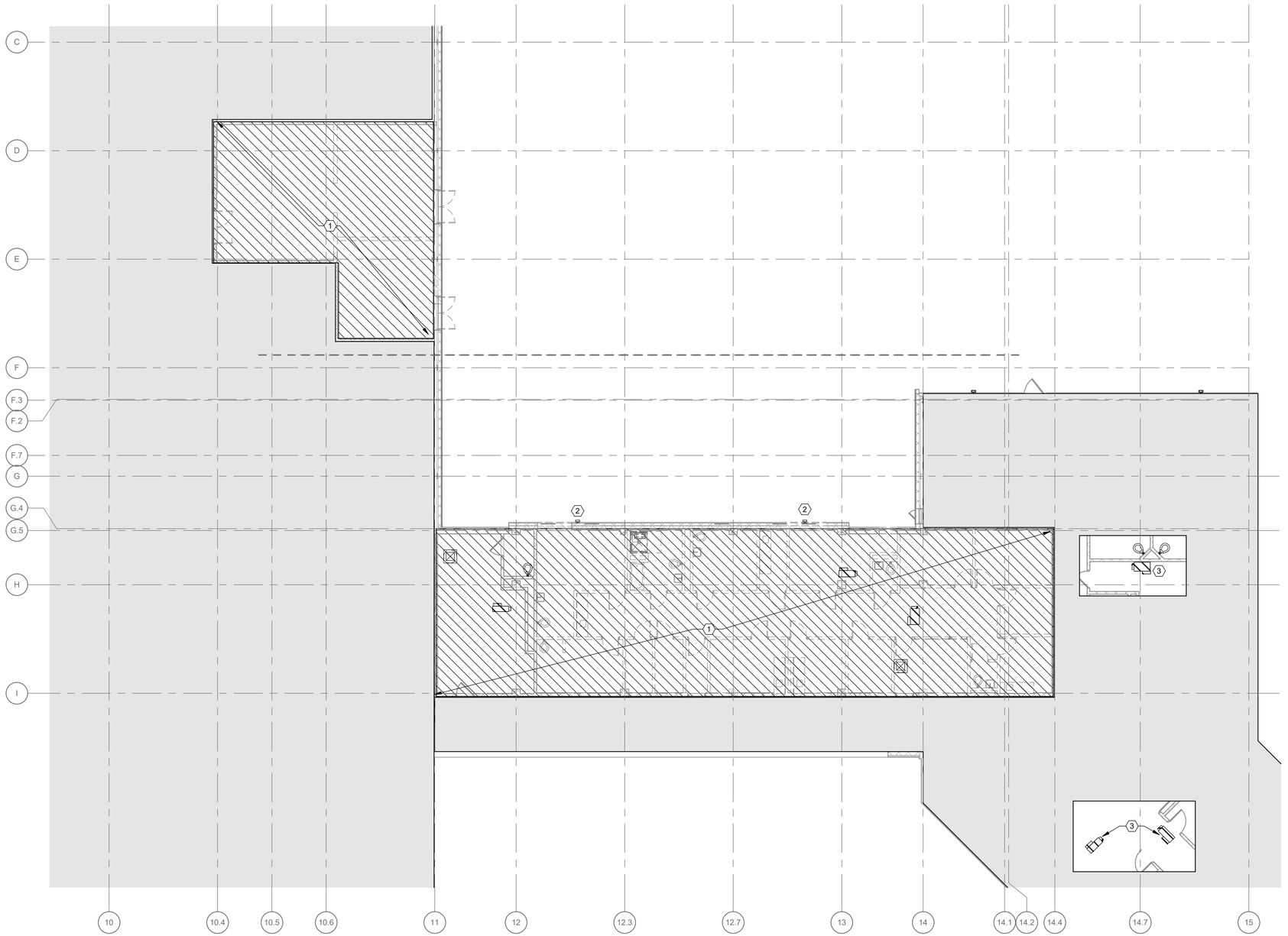
PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

ED100

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7/22/2026 4:05:56 PM Autodesk Docs://213-26912-22005 Baylor Women's Correctional Institution/E-BWCI INFIRMARY ADDITION-26912-22005_v2023.rvt

Bar measures 1 inch, otherwise drawing is not to scale



1 ED101 FIRST FLOOR DEMOLITION PLAN

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

GENERAL NOTES:

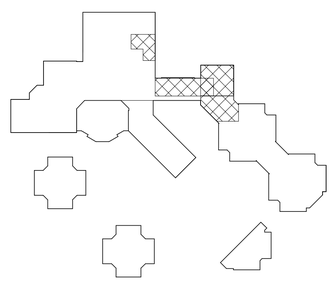
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KEY NOTES:

1 DEMOLISH ALL LIGHTING, RECEPTACLES, AND CONNECTIONS TO MECHANICAL EQUIPMENT IN THIS SPACE. REMOVE CABLE, CONDUCTOR, PATHWAY, AND BOXES BACK TO SOURCE, UON.

2 DISCONNECT AND REMOVE THE EXISTING WIRING AND CONDUIT FOR THE WALLPACK BACK TO THE SOURCE PANEL. MAINTAIN CONNECTION TO ALL REMAINING WALLPACKS.

3 DISCONNECT AND REMOVE THE EXISTING DISCONNECT, WIRING, AND CONDUIT FOR THE HVAC EQUIPMENT BACK TO THE SOURCE PANEL.



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'

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

IMPORTANT - DO NOT DISTRIBUTE

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MARK	DATE	DESCRIPTION	BY
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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ELECTRICAL DEMOLITION PLAN

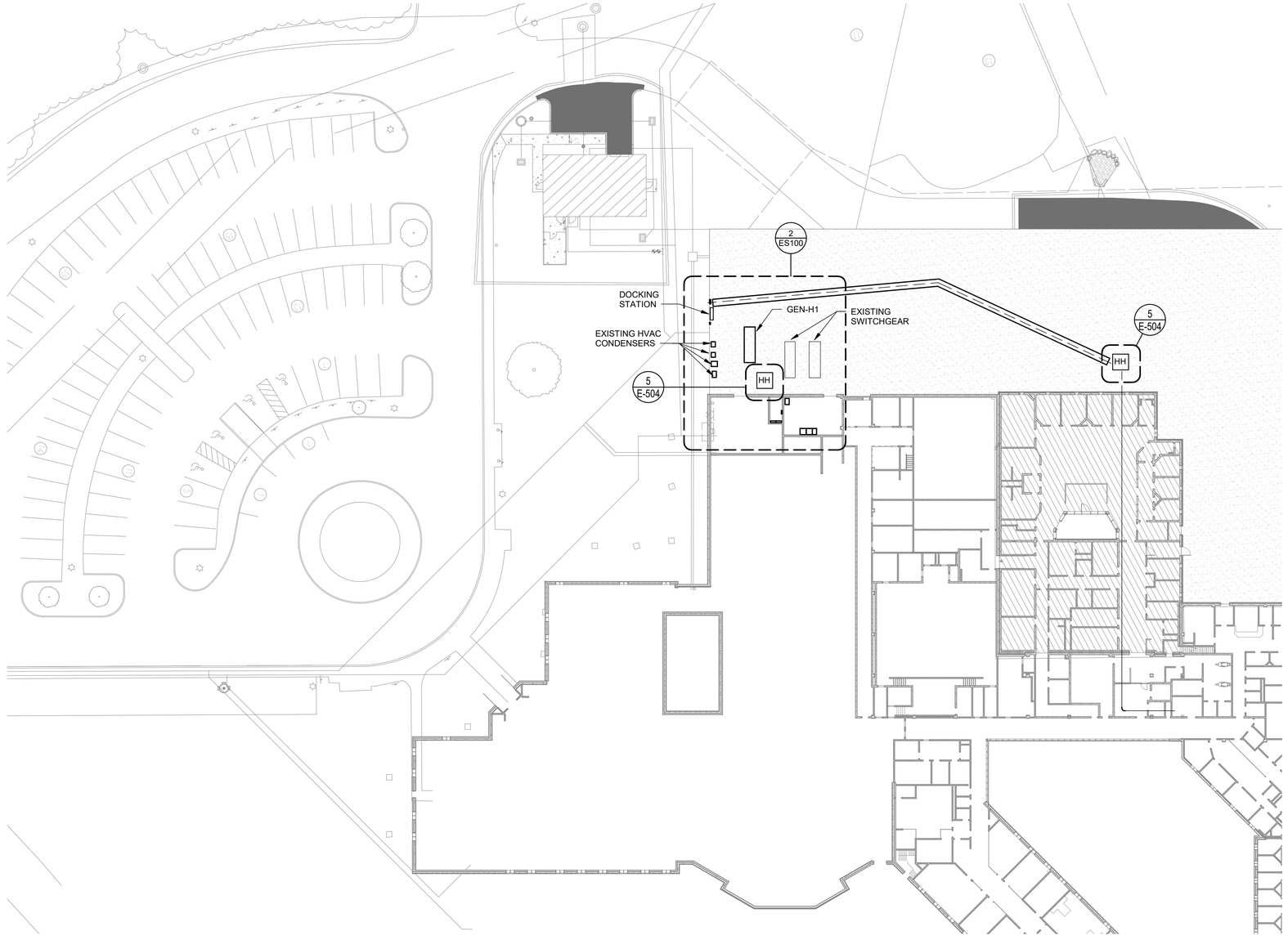
PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

ED101

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Bar measures 1 inch, otherwise drawing is not to scale



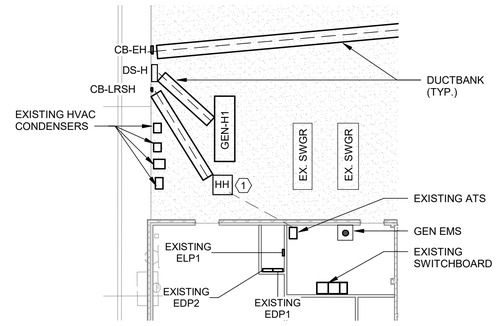
1 ES100 ELECTRICAL NEW WORK SITE PLAN
SCALE: 1" = 30'-0"

GENERAL NOTES:

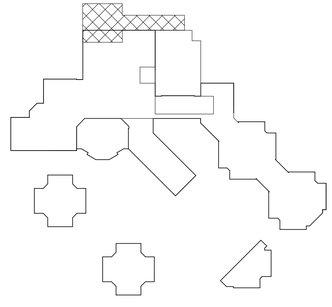
1. REFER TO SHEET E-001 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGENDS.
2. SEE SHEETS E-601 FOR ELECTRICAL SINGLE LINE DIAGRAM.
3. OTHER UTILITY LINES ARE SHOWN FOR REFERENCE ONLY. SEE TELECOMMUNICATIONS AND CIVIL SHEETS FOR ADDITIONAL INFORMATION.
4. SPECIAL CARE SHALL BE TAKEN TO AVOID DAMAGING EXISTING UTILITIES (WATER, SEWER, POWER, GAS, COMMUNICATIONS, ETC.) DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND LOCATING ALL EXISTING SITE UTILITIES (OVERHEAD & UNDERGROUND) IN THE AREA OF EXCAVATION AND/OR DRILLING. CONTRACTOR MUST CONTACT MISS DIG SYSTEM, INC. BY PHONE AT 811 OR VIA THE WEB A MINIMUM OF 3 BUSINESS DAY PRIOR TO EXCAVATING AND/OR DRILLING, EXCLUDING WEEKENDS AND HOLIDAYS. NO ADDITIONAL COMPENSATION SHALL BE GIVEN FOR REPAIRS REQUIRED FOR ANY INCURRED DAMAGES, WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. SUCH DAMAGES (IF HAPPENED) SHALL BE REPAIRED IMMEDIATELY TO RESUME SERVICES WITH MINIMAL OUTAGES AND AT NO ADDITIONAL COST TO THE OWNER.
5. DEVICES MOUNTED ON THE BUILDING EXTERIOR SHALL BE NEMA 3R MINIMUM.
6. PROVIDE SWEEPING BENDS FOR ANY UNDERGROUND DUCT BENDS.

KEY NOTES:

1 INTERCEPT EXISTING DUCTBANK FROM DEMOLISH GENERATOR TO EXISTING ATS. TIE IN DUCTBANK FROM NEW GENERATOR AND ROUTE FEEDERS AS INDICATED ON E-601.



2 ES100 ENLARGED ELECTRICAL NEW WORK SITE PLAN
SCALE: 1" = 20'-0"



KEY PLAN: NTS

PLAN NORTH

32' 0' 32' 64'
SCALE: 1/32" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

NOTE: THESE DRAWINGS ARE CONFIDENTIAL FOR OFFICIAL USE ONLY, NOT FOR PUBLIC DISTRIBUTION; A DETERMINATION HAS BEEN MADE THAT THE PUBLICATION OF THESE PLANS COULD COMPROMISE PUBLIC SAFETY AND ARE NOT AVAILABLE PURSUANT TO DELAWARE CODE, TITLE 29, & 10002 (1) (17) (a) (2) AND (3)

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JOSEPH K. HOOVER
LICENSE
07/22/26
No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
ELECTRICAL NEW WORK SITE PLAN

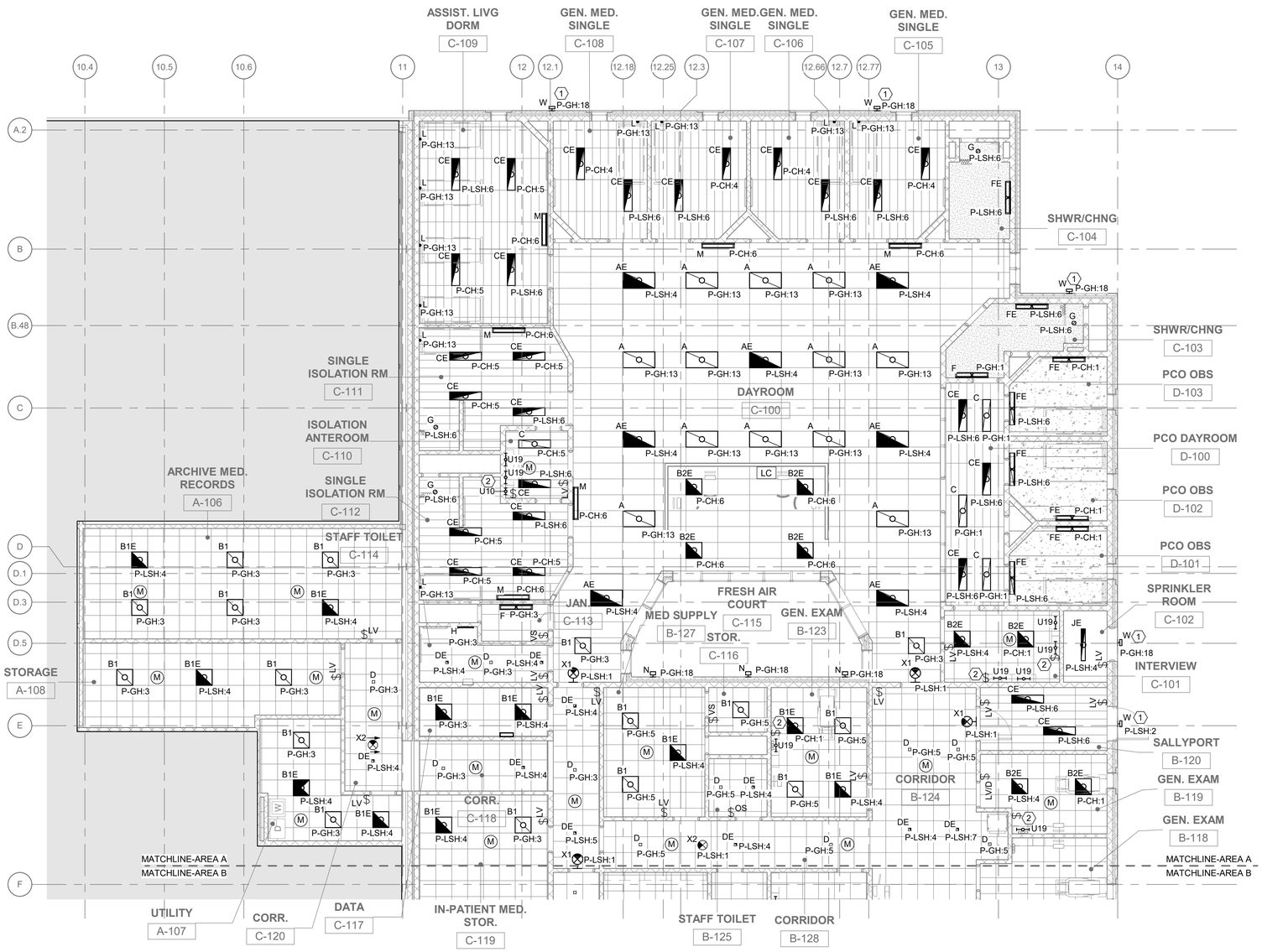
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DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

ES100

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Bar measures 1 inch, otherwise drawing is not to scale



1 EL101 FIRST FLOOR LIGHTING PLAN - AREA A NEW WORK

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

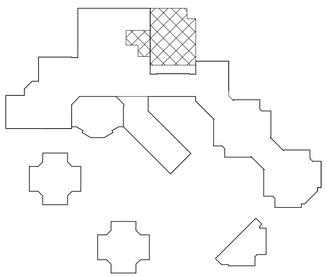
GENERAL NOTES:

1. REFER TO SHEET E-001 FOR GENERAL ELECTRICAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. REFER TO SHEET E-605 FOR LIGHTING FIXTURE SCHEDULE AND E-501 FOR LIGHTING FIXTURE DETAILS.
3. FIELD ADJUST THE LIGHTING FIXTURE LAYOUT TO CLEAR ANY BEAMS, COLUMNS, PIPING, ETC. THAT MIGHT BE IN THE WAY.
4. COORDINATE FIXTURE LAYOUT WITH LOCATION OF MECHANICAL EQUIPMENT. SHIFT FIXTURES UP TO 24" AS NECESSARY TO MAXIMIZE LIGHT ON EQUIPMENT AND WALKING PATHS.
5. DEVICES MOUNTED ON THE BUILDING EXTERIOR SHALL BE NEMA 3R RATED MINIMUM.
6. REFER TO SHEETS E-601 FOR ELECTRICAL SINGLE LINE DIAGRAM.
7. REFER TO SHEETS E-602, E-603, AND E-604 FOR ELECTRICAL PANELBOARD SCHEDULES.
8. ALL LIGHTING BRANCH CIRCUITS SHALL UTILIZE A20, (2)#12 & (1)#12 GROUND, 3/4" CONDUIT, BRANCH CIRCUITS, UON. ADJUST CONDUCTOR SIZE FOR LONG BRANCH CIRCUITS TO ACCOMODATE FOR VOLTAGE DROP BASED ON THE VOLTAGE DROP TABLE ON ELECTRICAL SCHEDULE SHEETS.
9. SEE SHEETS E-605 FOR LIGHTING CONTROL MATRIX.
10. UNDERCABINET LIGHTING FIXTURES ARE FED FROM P-GH. REFER TO PANEL SCHEDULES FOR CIRCUIT NUMBER.

KEY NOTES:

1 EXTEND EXISTING LIGHTING BRANCH CIRCUIT TO NEW WALLPACK LIGHTING FIXTURE AND CONNECT. CONTROL LIGHTING FIXTURE VIA EXISTING LIGHTING CONTROL SYSTEM.

2 SWITCH SHALL CONTROL UNDER CABINET LIGHTING ADJACENT TO SWITCH.



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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JOSEPH K. HOOVER LICENSE 07/22/26 No. 29078 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR LIGHTING PLAN - AREA A NEW WORK

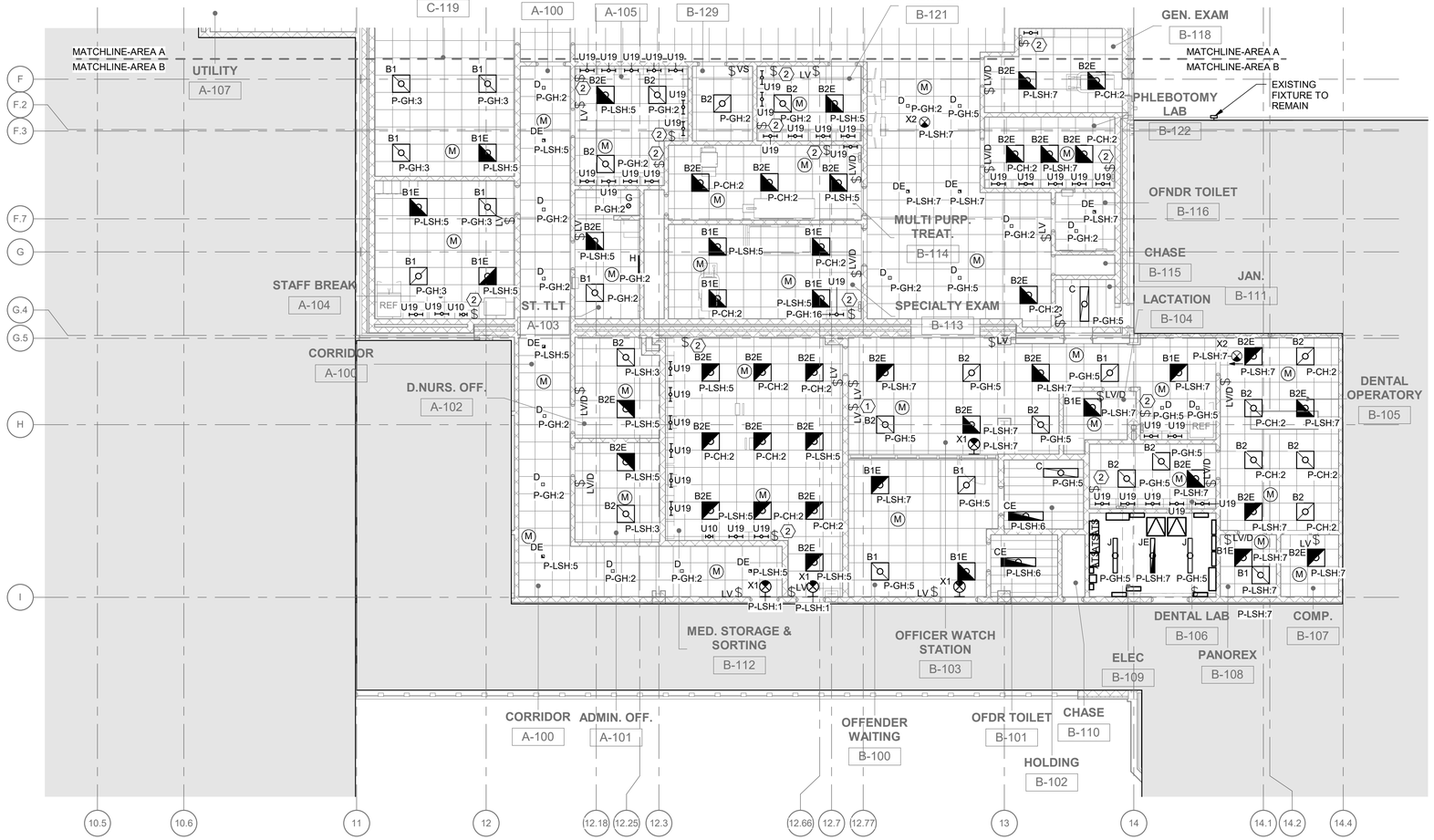
PROJ:	213-26912-22005
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DRWN:	RLH
CHKD:	RSR

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1 EL102 FIRST FLOOR LIGHTING PLAN - AREA B NEW WORK

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

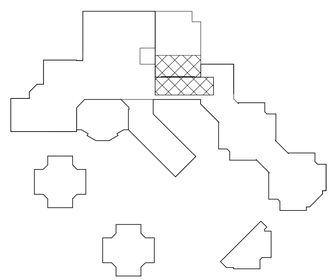
GENERAL NOTES:

1. REFER TO SHEET E-001 FOR GENERAL ELECTRICAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. REFER TO SHEET E-605 FOR LIGHTING FIXTURE SCHEDULE AND E-501 FOR LIGHTING FIXTURE DETAILS.
3. FIELD ADJUST THE LIGHTING FIXTURE LAYOUT TO CLEAR ANY BEAMS, COLUMNS, PIPING, ETC. THAT MIGHT BE IN THE WAY.
4. COORDINATE FIXTURE LAYOUT WITH LOCATION OF MECHANICAL EQUIPMENT. SHIFT FIXTURES UP TO 24" AS NECESSARY TO MAXIMIZE LIGHT ON EQUIPMENT AND WALKING PATHS.
5. DEVICES MOUNTED ON THE BUILDING EXTERIOR SHALL BE NEMA 3R RATED MINIMUM.
6. REFER TO SHEETS E-601 FOR ELECTRICAL SINGLE LINE DIAGRAM.
7. REFER TO SHEETS E-602, E-603, AND E-604 FOR ELECTRICAL PANELBOARD SCHEDULES.
8. ALL LIGHTING BRANCH CIRCUITS SHALL UTILIZE A20, (2)#12 & (1)#12 GROUND, 3/4" CONDUIT, BRANCH CIRCUITS, UON. ADJUST CONDUCTOR SIZE FOR LONG BRANCH CIRCUITS TO ACCOMODATE FOR VOLTAGE DROP BASED ON THE VOLTAGE DROP TABLE ON ELECTRICAL SCHEDULE SHEETS.
9. SEE SHEETS E-605 FOR LIGHTING CONTROL MATRIX.
10. UNDERCABINET LIGHTING FIXTURES ARE FED FROM P-GH. REFER TO PANEL SCHEDULES FOR CIRCUIT NUMBER.

KEY NOTES:

1 SWITCH SHALL CONTROL LIGHTING IN OFFENDER WAITING B-100, OFDR TOILET B-101, AND HOLDING B-102. PROVIDE MULTIPLE SWITCHES AS NECESSARY TO ACCOMPLISH THIS CONTROL.

2 SWITCH SHALL CONTROL UNDER CABINET LIGHTING ADJACENT TO SWITCH.



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ38040000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR LIGHTING PLAN - AREA B NEW WORK

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DRWN:	RLH
CHKD:	RSR

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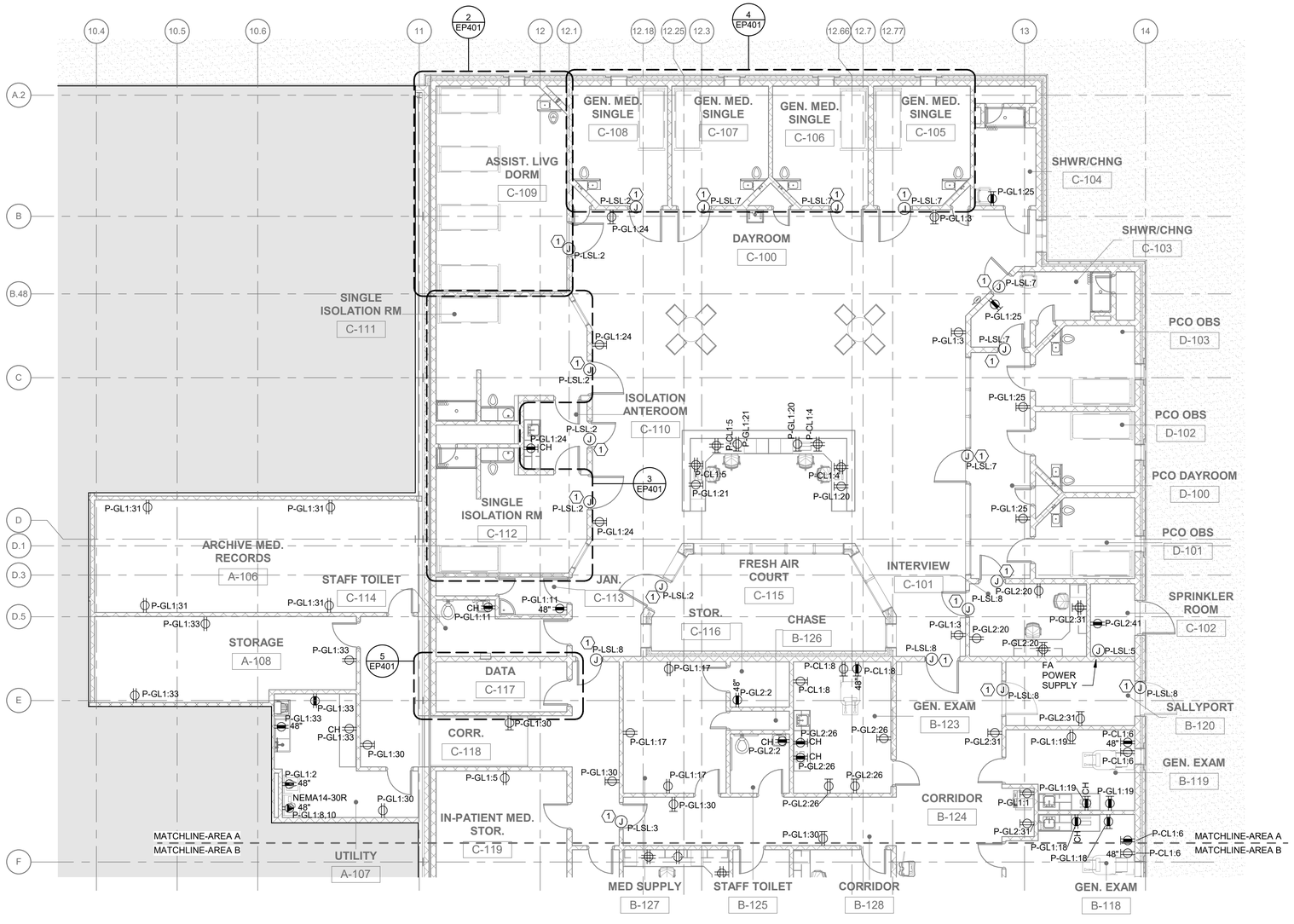
Bar measures 1 inch, otherwise drawing is not to scale

GENERAL NOTES:

1. SEE SHEET E-001 FOR GENERAL ELECTRICAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE SHEETS E-602 THRU E-604 FOR ELECTRICAL PANELBOARD AND EQUIPMENT SCHEDULES. SEE EQUIPMENT CONNECTION SCHEDULE FOR CIRCUITS TO EQUIPMENT SPECIFIED BY OTHER DISCIPLINES.
3. DEVICES MOUNTED ON THE BUILDING EXTERIOR SHALL BE NEMA 3R RATED MINIMUM.
4. SEE SHEETS E-601 FOR ELECTRICAL SINGLE LINE DIAGRAM.
5. ALL RECEPTACLE BRANCH CIRCUITS SHALL UTILIZE A20, (2)#12 & (1)#12 GROUND, 3/4" CONDUIT, BRANCH CIRCUITS, UON. ADJUST CONDUCTOR SIZE FOR LONG BRANCH CIRCUITS TO ACCOMODATE FOR VOLTAGE DROP BASED ON THE VOLTAGE DROP TABLE ON ELECTRICAL SCHEDULE SHEETS.
6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INFRASTRUCTURE FOR PULLING OF TELECOMMUNICATIONS CABLING. SEE TELECOMMUNICATIONS SHEETS FOR CONDUIT AND CABLE TRAY REQUIREMENTS.
7. REFER TO E-501 THROUGH E-505 FOR TYPICAL ELECTRICAL DETAILS

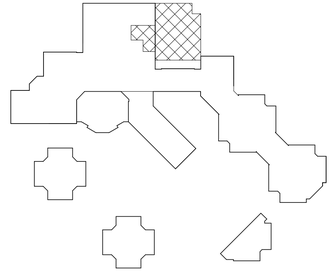
KEY NOTES:

1 POWER FOR ACCESS CONTROL DOOR CONTROLLER. LOCATE JUNCTION BOX WITH ABOVE ACCESSIBLE CEILING. DOOR CONTROLLER BY OTHERS. COORDINATE INSTALLATION WITH OWNER.



1 EP101 FIRST FLOOR POWER PLAN - AREA A NEW WORK

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



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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JOSEPH K. HOOVER LICENSE 07/22/26 No. 29078 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR POWER PLAN - AREA A NEW WORK

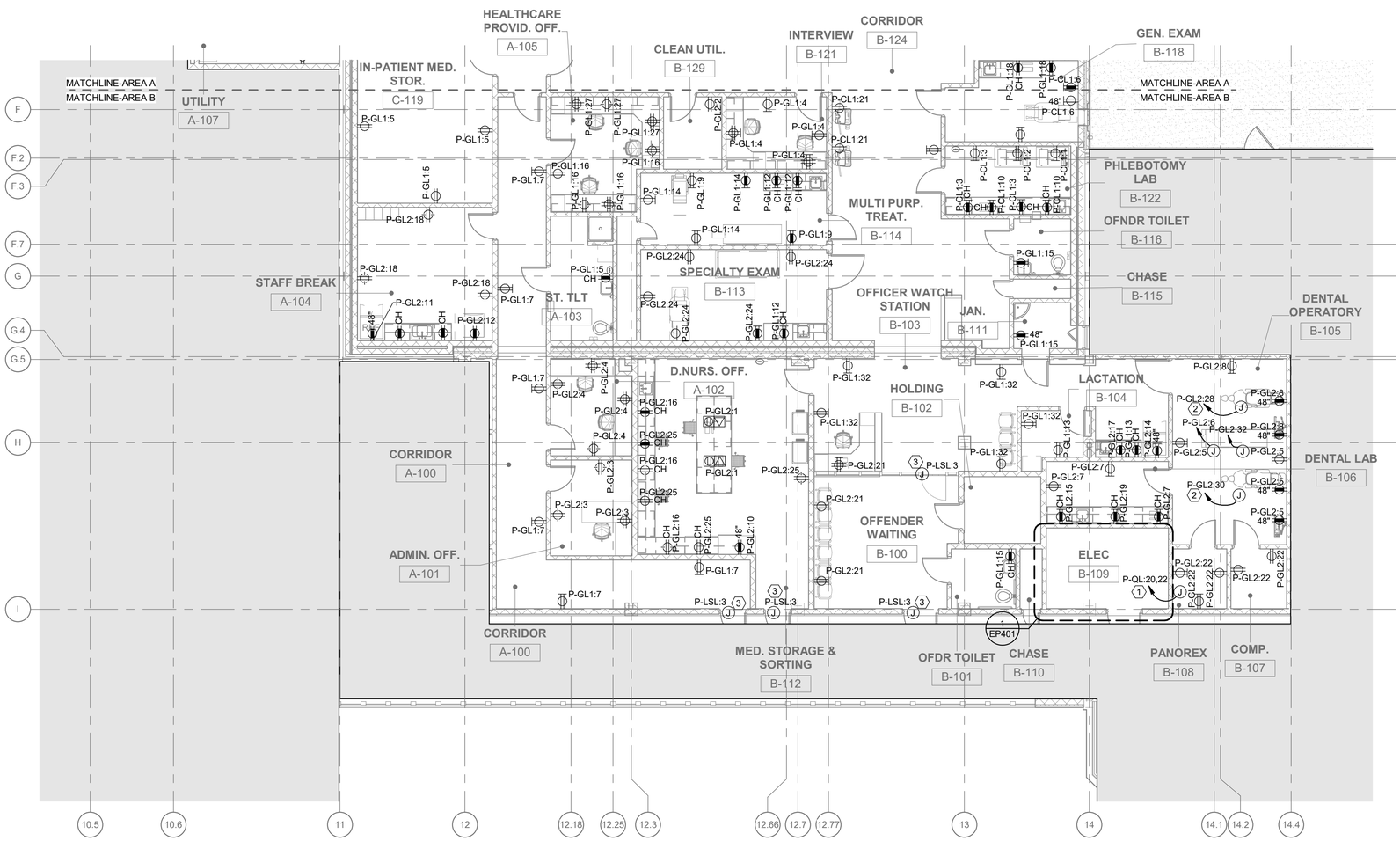
PROJ:	213-26912-22005
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1 / EP102 FIRST FLOOR POWER PLAN - AREA B NEW WORK

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

GENERAL NOTES:

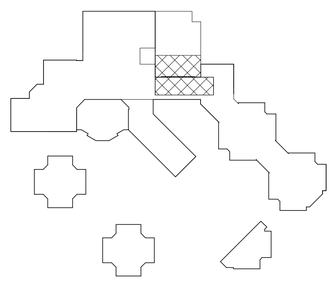
1. SEE SHEET E-001 FOR GENERAL ELECTRICAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE SHEETS E-602 THRU E-604 FOR ELECTRICAL PANELBOARD AND EQUIPMENT SCHEDULES. SEE EQUIPMENT CONNECTION SCHEDULE FOR CIRCUITS TO EQUIPMENT SPECIFIED BY OTHER DISCIPLINES.
3. DEVICES MOUNTED ON THE BUILDING EXTERIOR SHALL BE NEMA 3R RATED MINIMUM.
4. SEE SHEETS E-601 FOR ELECTRICAL SINGLE LINE DIAGRAM.
5. ALL RECEPTACLE BRANCH CIRCUITS SHALL UTILIZE A20, (2)#12 & (1)#12 GROUND, 3/4" CONDUIT, BRANCH CIRCUITS, UON. ADJUST CONDUCTOR SIZE FOR LONG BRANCH CIRCUITS TO ACCOMODATE FOR VOLTAGE DROP BASED ON THE VOLTAGE DROP TABLE ON ELECTRICAL SCHEDULE SHEETS.
6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INFRASTRUCTURE FOR PULLING OF TELECOMMUNICATIONS CABLING. SEE TELECOMMUNICATIONS SHEETS FOR CONDUIT AND CABLE TRAY REQUIREMENTS.
7. REFER TO E-501 THROUGH E-505 FOR TYPICAL ELECTRICAL DETAILS

KEY NOTES:

1 PROVIDE POWER CONNECTION FOR NEW DENTAL XRAY MACHINE. COORDINATE LOCATION AND CHAIR REQUIREMENTS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

2 PROVIDE POWER CONNECTION FOR NEW DENTAL EXAM CHAIR. COORDINATE LOCATION AND CHAIR REQUIREMENTS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

3 POWER FOR ACCESS CONTROL DOOR CONTROLLER. LOCATE JUNCTION BOX WITH ABOVE ACCESSIBLE CEILING. DOOR CONTROLLER BY OTHERS. COORDINATE INSTALLATION WITH OWNER.



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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JOSEPH K. HOOVER LICENSE 07/22/26 No. 29078 DELAWARE PROFESSIONAL ENGINEER

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1	07/27/26	ISSUED FOR BID

BY: JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR POWER PLAN - AREA B NEW WORK

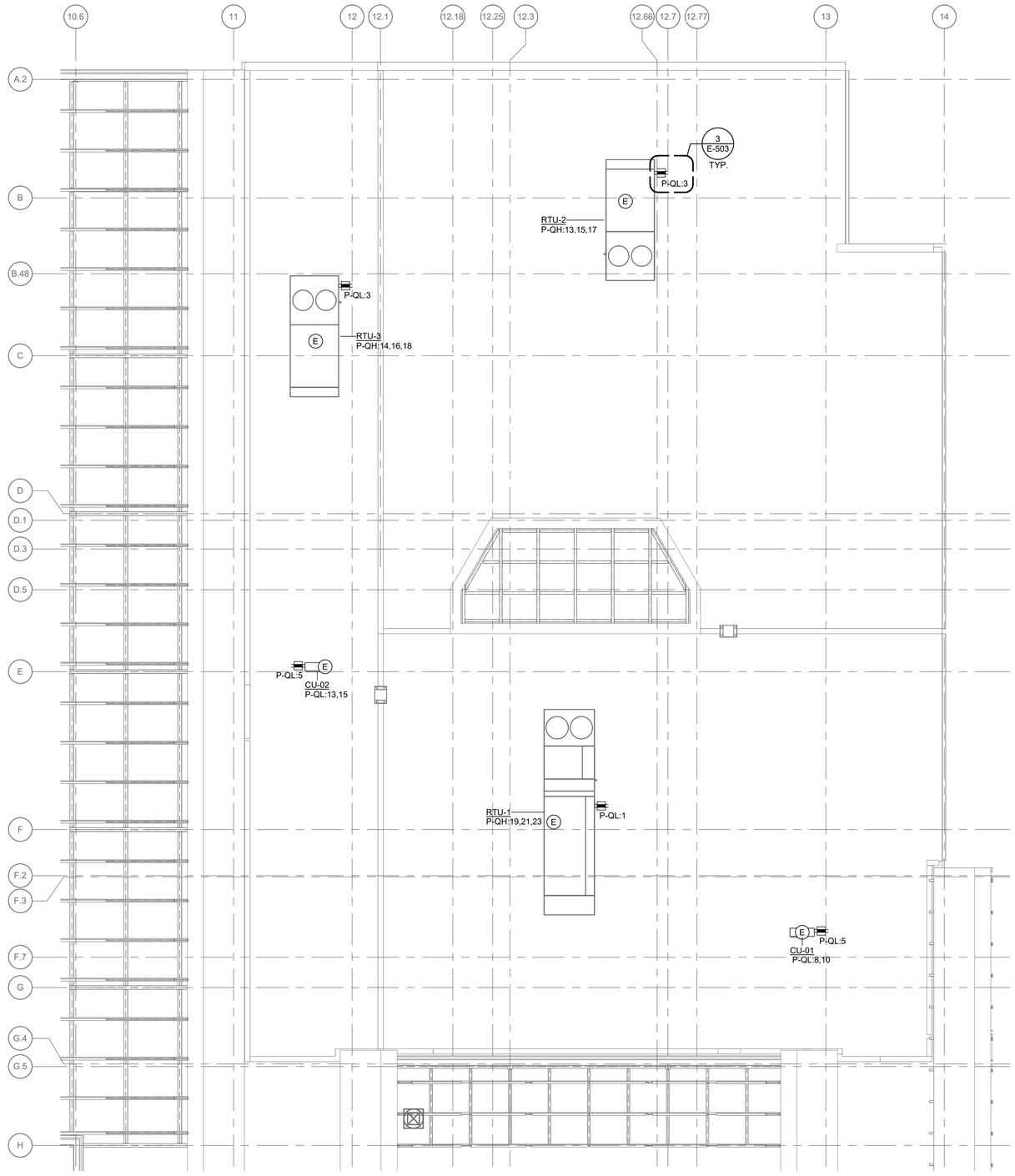
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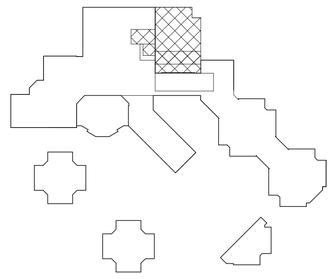
Bar measures 1 inch, otherwise drawing is not to scale



1 EP103 ELECTRICAL ROOF PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. SEE SHEET E-001 FOR GENERAL ELECTRICAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE SHEETS E-602 THRU E-604 FOR ELECTRICAL PANELBOARD AND EQUIPMENT SCHEDULES. SEE EQUIPMENT CONNECTION SCHEDULE FOR CIRCUITS TO EQUIPMENT SPECIFIED BY OTHER DISCIPLINES.
3. SEE SHEETS E-601 FOR ELECTRICAL SINGLE LINE DIAGRAM.
4. ALL RECEPTACLE BRANCH CIRCUITS SHALL UTILIZE A20, (1)#12 & (1)#12 GROUND, 3/4" CONDUIT, BRANCH CIRCUITS, UON. ADJUST CONDUCTOR SIZE FOR LONG BRANCH CIRCUITS TO ACCOMODATE FOR VOLTAGE DROP BASED ON THE VOLTAGE DROP TABLE ON ELECTRICAL SCHEDULE SHEETS.
5. REFER TO E-501 THROUGH E-505 FOR TYPICAL ELECTRICAL DETAILS



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'
SCALE: 1/8" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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07/22/26
No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ELECTRICAL ROOF PLAN

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

EP103

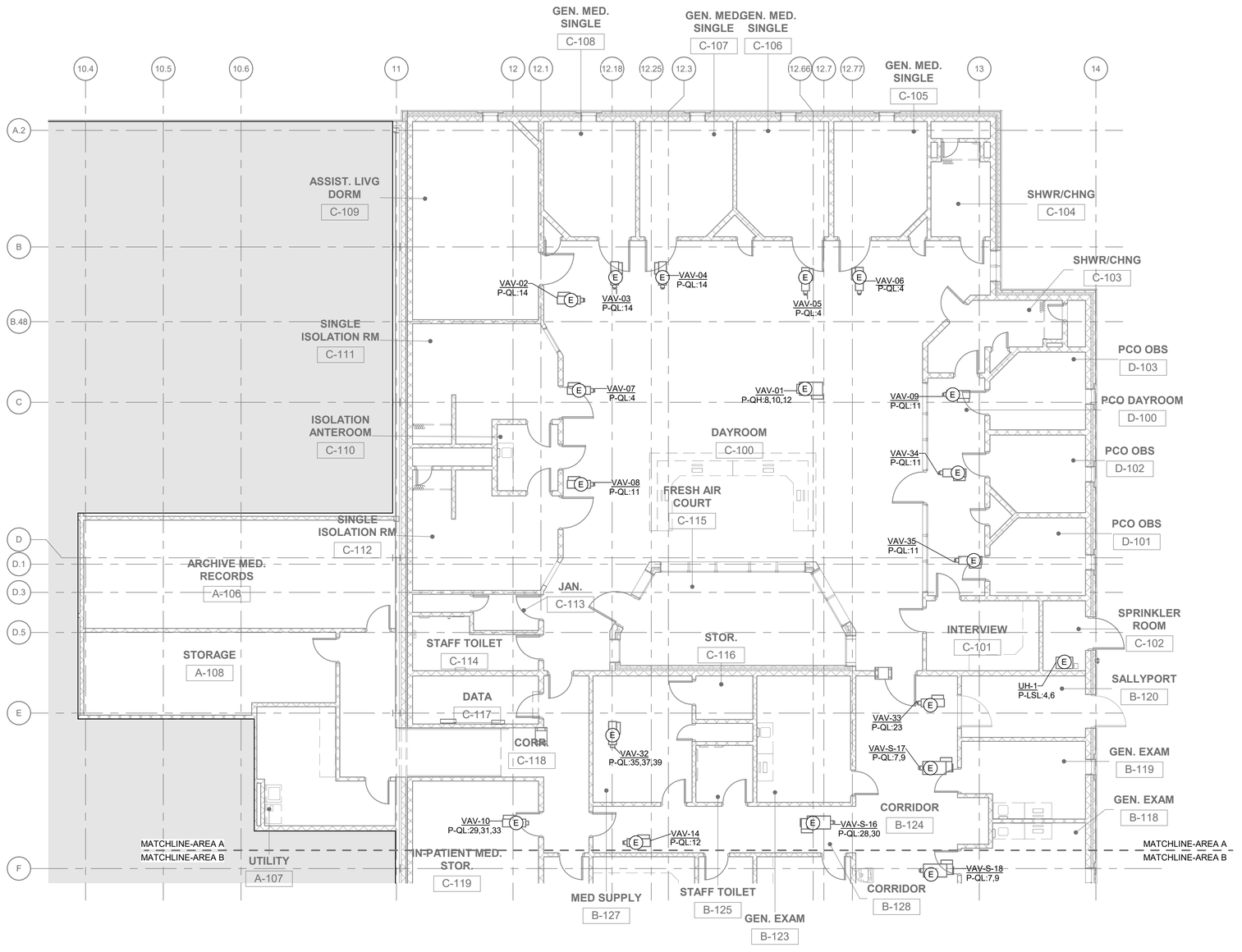
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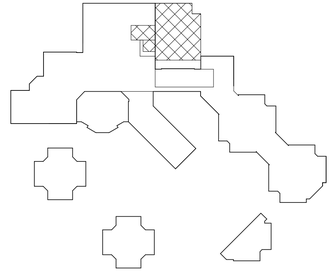
GENERAL NOTES:

1. SEE SHEET E-001 FOR GENERAL ELECTRICAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE SHEETS E-602 THRU E-604 FOR ELECTRICAL PANELBOARD AND EQUIPMENT SCHEDULES. SEE EQUIPMENT CONNECTION SCHEDULE FOR CIRCUITS TO EQUIPMENT SPECIFIED BY OTHER DISCIPLINES.
3. SEE SHEETS E-601 FOR ELECTRICAL SINGLE LINE DIAGRAM.
4. ALL RECEPTACLE BRANCH CIRCUITS SHALL UTILIZE A20, (2)#12 & (1)#12 GROUND, 3/4" CONDUIT, BRANCH CIRCUITS, UON. ADJUST CONDUCTOR SIZE FOR LONG BRANCH CIRCUITS TO ACCOMODATE FOR VOLTAGE DROP BASED ON THE VOLTAGE DROP TABLE ON ELECTRICAL SCHEDULE SHEETS.
5. REFER TO MECHANICAL SHEETS FOR ALL CONTROL AND NETWORK CABLING ASSOCIATED WITH HVAC AND BUILDING AUTOMATION SYSTEM. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CABLING.
6. REFER TO E-501 THROUGH E-505 FOR TYPICAL ELECTRICAL DETAILS



1 EP104 FIRST FLOOR MECHANICAL POWER PLAN-AREA A

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



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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JOSEPH K. HOOVER LICENSE 07/22/26 No. 29078 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

MECHANICAL POWER PLAN - AREA A NEW WORK

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

EP104

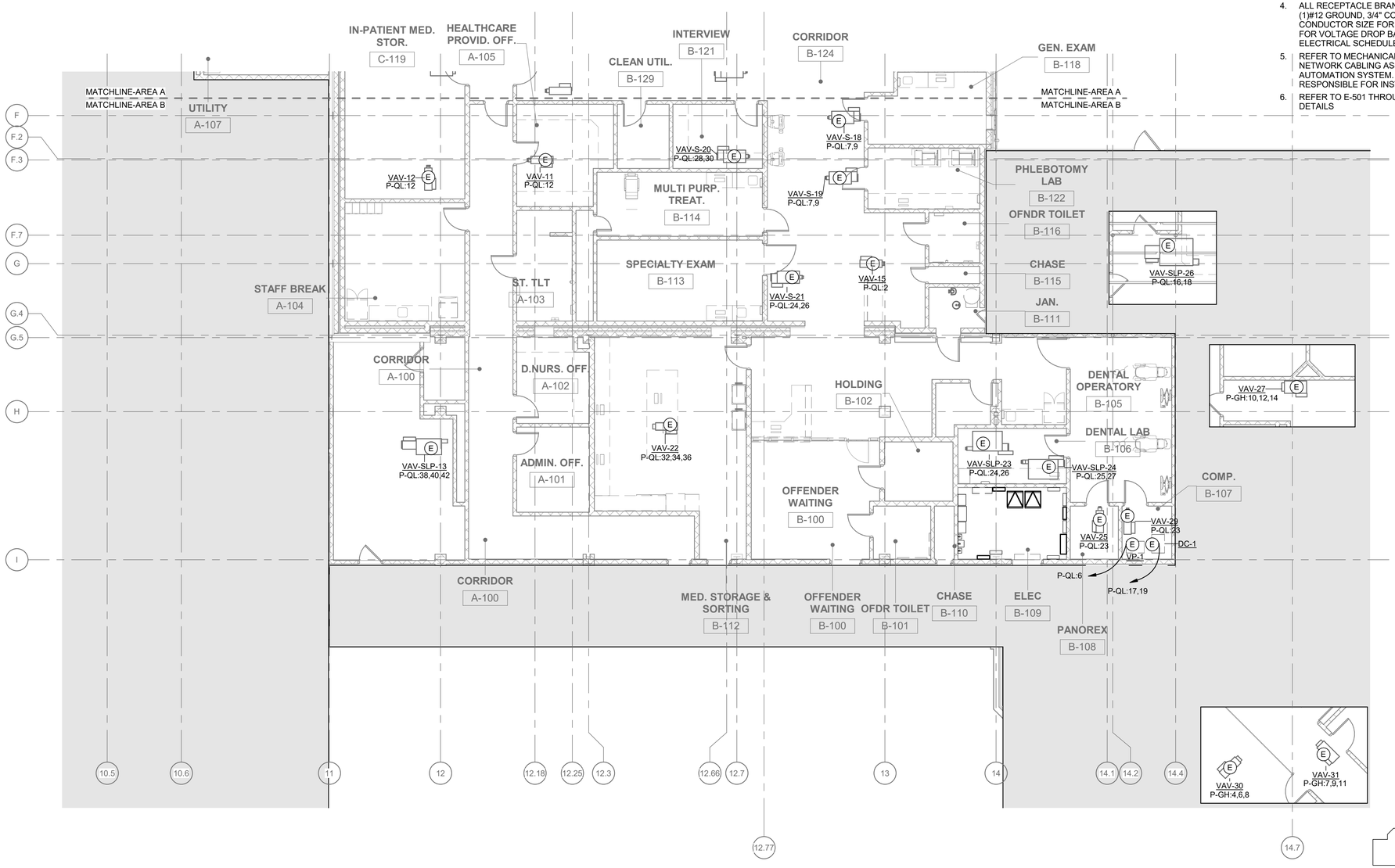
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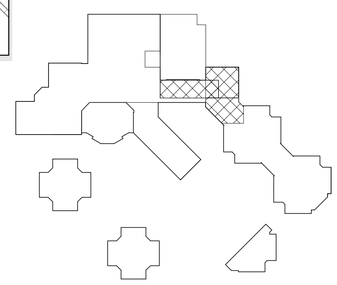
GENERAL NOTES:

1. SEE SHEET E-001 FOR GENERAL ELECTRICAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE SHEETS E-602 THRU E-604 FOR ELECTRICAL PANELBOARD AND EQUIPMENT SCHEDULES. SEE EQUIPMENT CONNECTION SCHEDULE FOR CIRCUITS TO EQUIPMENT SPECIFIED BY OTHER DISCIPLINES.
3. SEE SHEETS E-601 FOR ELECTRICAL SINGLE LINE DIAGRAM.
4. ALL RECEPTACLE BRANCH CIRCUITS SHALL UTILIZE A20, (2)#12 & (1)#12 GROUND, 3/4" CONDUIT, BRANCH CIRCUITS, UON. ADJUST CONDUCTOR SIZE FOR LONG BRANCH CIRCUITS TO ACCOMODATE FOR VOLTAGE DROP BASED ON THE VOLTAGE DROP TABLE ON ELECTRICAL SCHEDULE SHEETS.
5. REFER TO MECHANICAL SHEETS FOR ALL CONTROL AND NETWORK CABLING ASSOCIATED WITH HVAC AND BUILDING AUTOMATION SYSTEM. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CABLING.
6. REFER TO E-501 THROUGH E-505 FOR TYPICAL ELECTRICAL DETAILS



1 EP105 FIRST FLOOR MECHANICAL POWER PLAN-AREA B

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



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

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MECHANICAL POWER PLAN - AREA B NEW WORK

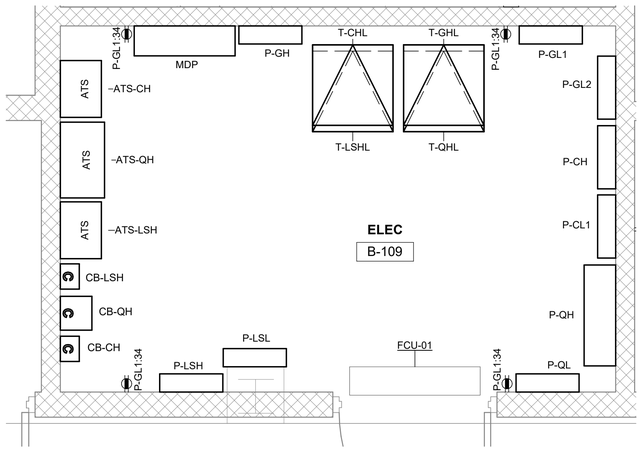
PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

EP105

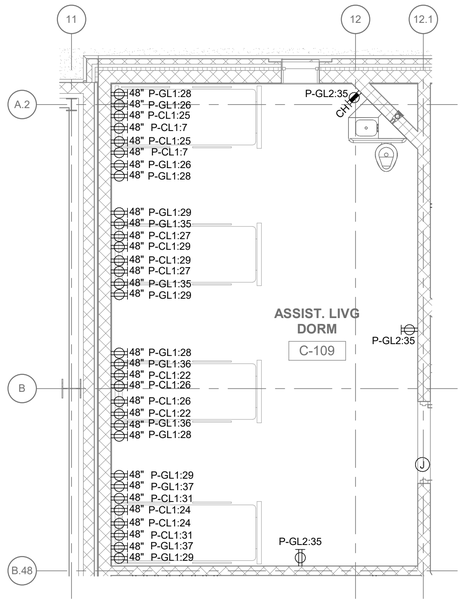
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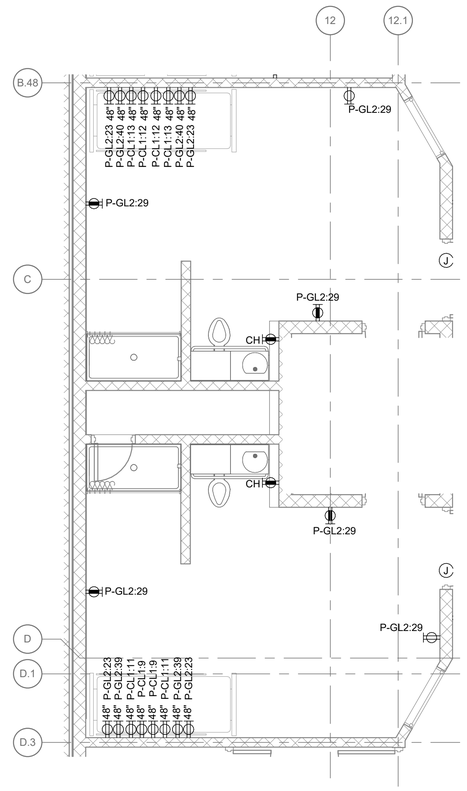
Bar measures 1 inch, otherwise drawing is not to scale



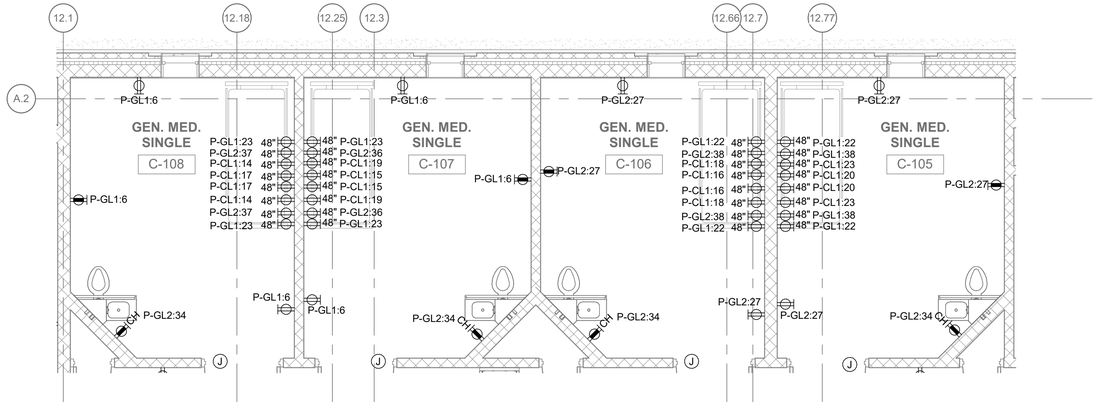
1 ENLARGED FIRST FLOOR POWER PLAN - ELEC B-109
EP401 SCALE: 1/2" = 1'-0"



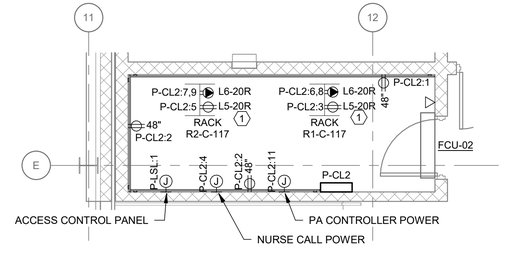
2 ENLARGED FLOOR PLAN - ASSIST. LIVG. DORM
EP401 SCALE: 1/4" = 1'-0"



3 PARTIAL FLOOR PLAN - TYPICAL ISOLATION ROOM
EP401 SCALE: 1/4" = 1'-0"



4 ENLARGED FLOOR PLAN - GEN. MED. SINGLE
EP401 SCALE: 1/4" = 1'-0"



5 ENLARGED TELECOMMUNICATION POWER PLAN - DATA C-117
EP401 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

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5. REFER TO E-501 THROUGH E-505 FOR TYPICAL ELECTRICAL DETAILS

KEY NOTES:

1 MOUNT RACK RECEPTACLES ON OVERHEAD LADDER RACK.

PLAN NORTH

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

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

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ENLARGED FIRST FLOOR PLANS

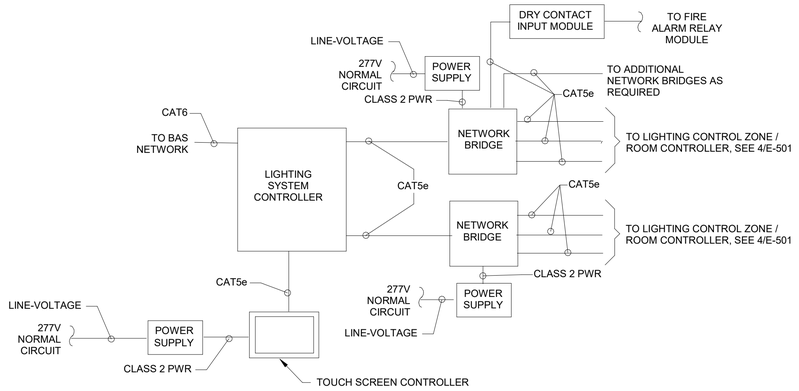
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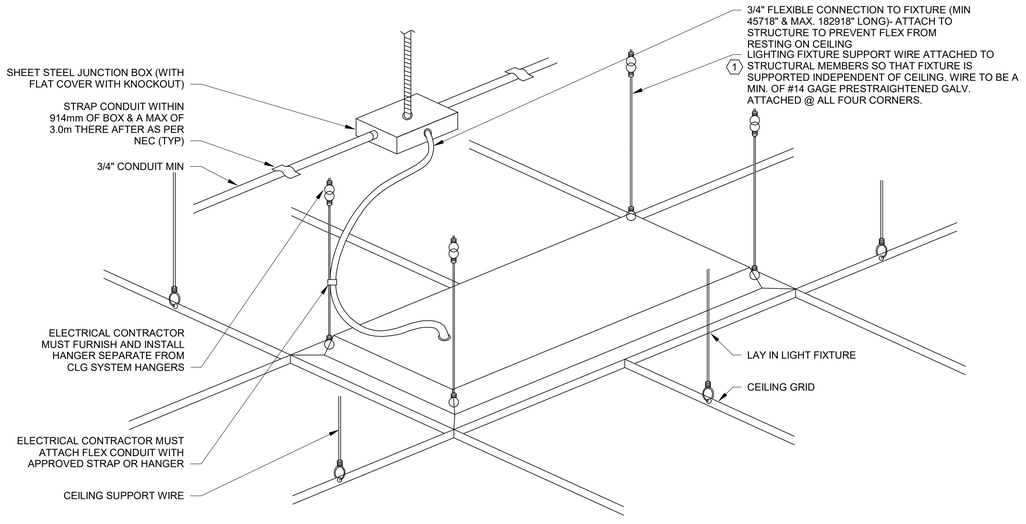


NOTES:

1. LOCATE NETWORK BRIDGES LOCAL TO CONNECTED ZONES/CONTROLLERS.
2. EXACT INTERCONNECTION OF DEVICES FOR COMMUNICATIONS MAY VARY AND DETAIL IS INTENDED TO CONVEY CONNECTION INTENT. PROVIDE NETWORK EXPANDERS OR BRIDGES AS REQUIRED TO FULLY INTERCONNECT ALL DEVICES.

1 IN-PATIENT WING LIGHTING CONTROL NETWORK DETAIL

E-501 SCALE: 12" = 1'-0"

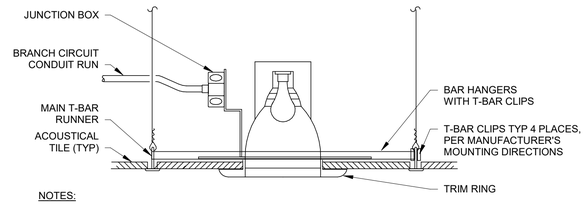


NOTES:

1. SUPPORT WIRE TO BE INSTALLED IN SUCH A MANNER THAT WEIGHT OF FIXTURE IS HELD INDEPENDENT OF CLG. GRID THEREFORE WIRES MUST BE TIGHT WITH NO SLACK.
2. FLEXIBLE CONNECTION FROM FIXTURE TO JUNCTION BOX MUST BE MIN. 18" & MAX. 1829mm LONG.

3 TYPICAL RECESSED TROFFER LAY-IN MOUNTING DETAIL

E-501 SCALE: NTS

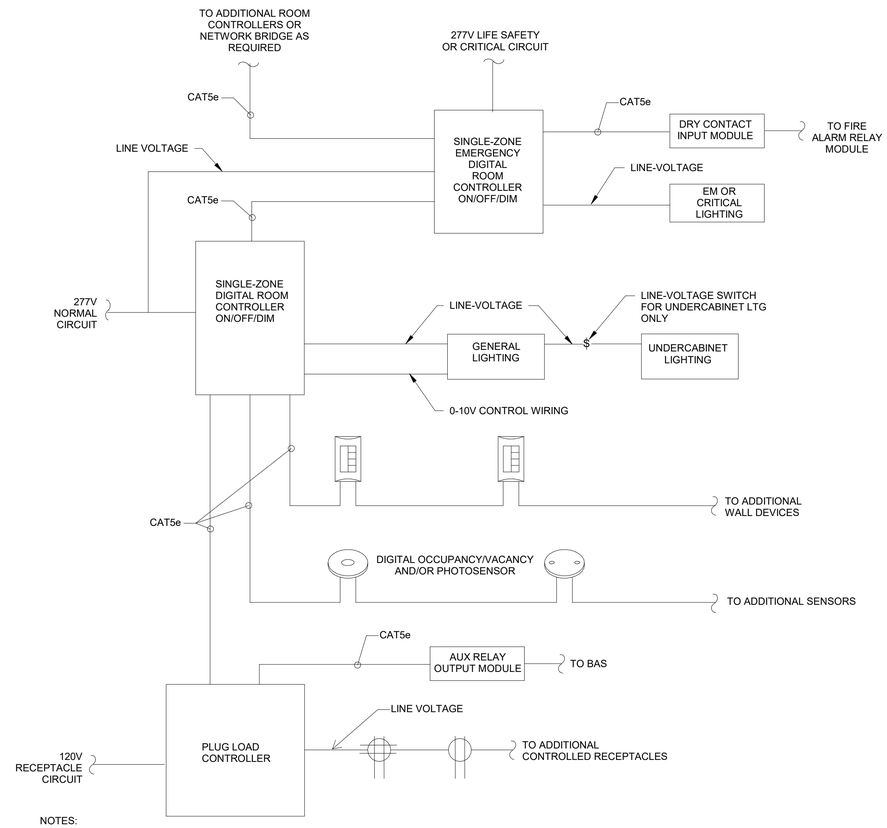


NOTES:

1. SEE LAY-IN MOUNTING LED LIGHT DETAIL FOR CONDUIT AND JUNCTION BOX DETAILS.

2 TYPICAL RECESSED DOWNLIGHT LAY-IN CEILING MOUNTING DETAIL

E-501 SCALE: NTS



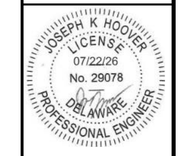
NOTES:

1. QUANTITIES OF CONTROLLERS AND DEVICES IS GENERIC. PROVIDE QUANTITY OF CONTROLLERS ARE REQUIRED TO ACHIEVE CONTROL REQUIREMENTS NOTED ON E-606.
2. EXACT INTERCONNECTION OF DEVICES FOR COMMUNICATIONS MAY VARY AND DETAIL IS INTENDED TO CONVEY CONNECTION INTENT. PROVIDE NETWORK EXPANDERS OR BRIDGES AS REQUIRED TO FULLY INTERCONNECT ALL DEVICES.
3. BAS AND FIRE ALARM INTERFACE DEVICES CAN BE EXCLUDED FROM LOCAL CONTROLS WHERE CENTRALLY INTERFACED WITH A LIGHTING SYSTEM CONTROLLER.

4 GENERAL ROOM CONTROLLER DETAIL

E-501 SCALE: 12" = 1'-0"

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E-501

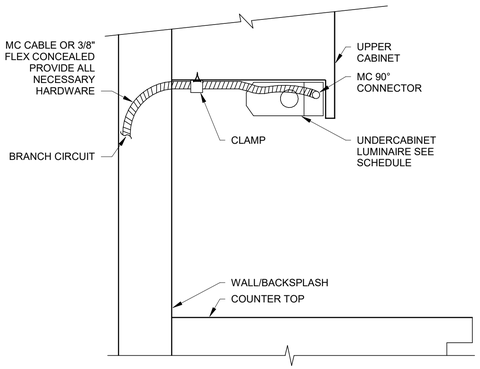
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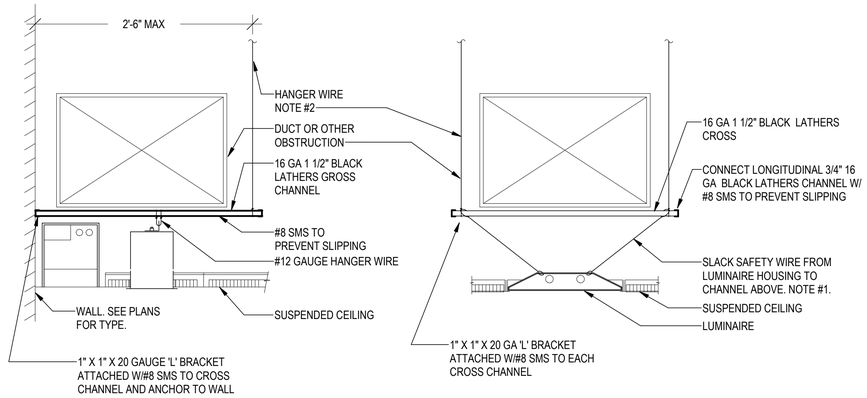
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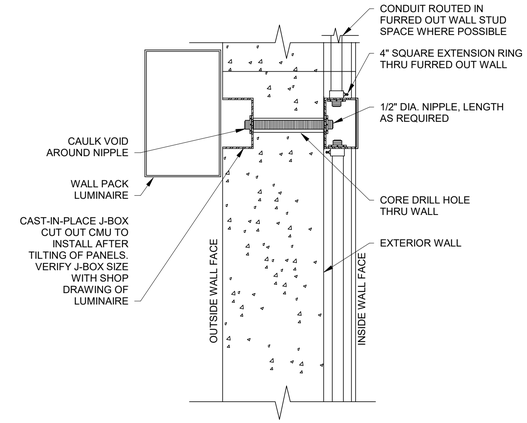
1 E-502 TYPICAL UNDER CABINET LIGHT MOUNTING DETAIL
SCALE: 1/8" = 1'-0"



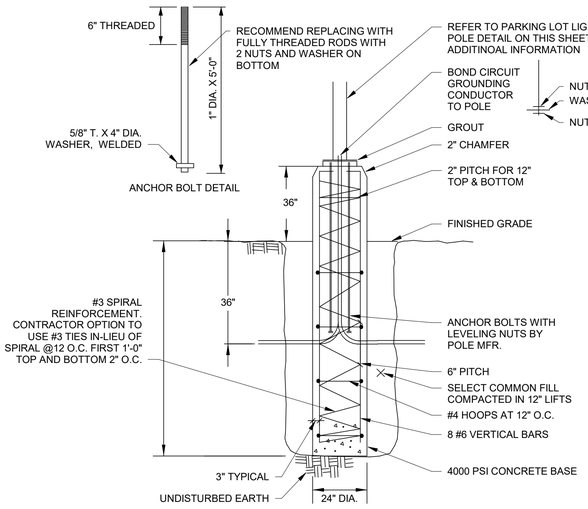
NOTES

1. PROVIDE 4 #12 GAUGE WIRES SPLAYED AT 90 DEGREES FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. ALTERNATE SETS OF WIRES RUN PARALLEL TO MAIN AND CROSS RUNNERS.
2. VERTICAL HANGER WIRE - #8 GA. AT 4'-0" O.C. AND IN 1 1/2" FROM BOTH ENDS OF CHANNEL, TYPICAL.
3. LOAD TEST 50% OF BRACING WIRES TO 440 LBS. AND HANGER WIRES TO 200 LBS.

2 E-502 TYPICAL LUMINAIRE OR SUPPORT BRIDGE AT OBSTRUCTION
SCALE: NTS

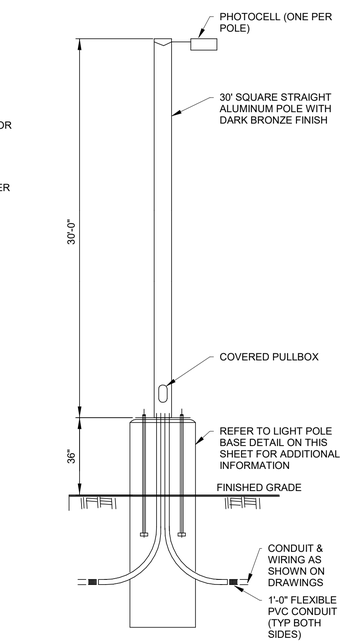


3 E-502 TYPICAL EXTERIOR WALL MOUNTED LIGHT FIXTURE DETAIL
SCALE: NTS



NOTES:
1. POLE/BASES SHALL BE RATED FOR 124 MPH MINIMUM WIND VELOCITY PER ASCE 7-16

4 E-502 PARKING LOT LIGHT POLE BASE DETAIL
SCALE: NTS



5 E-502 PARKING LOT LIGHT DETAIL
SCALE: NTS

6 E-502 TYPICAL T-BAR SUPPORT BRIDGE FOR SURFACE MOUNTED DEVICES INSTALLED IN CEILING TILE
SCALE: NTS

INSTALLATION INSTRUCTIONS

1. POSITION JUNCTION BOX AND APPROPRIATE RAISED COVER PLATE ("MUD RING") ON T-BAR BRIDGE SUPPORT BRACKET AND TIGHTEN IN PLACE. SEE DETAIL "A".
2. POSITION CROSS SUPPORT BRACKET OF T-BAR BRIDGE SUPPORT BRACKET AND TIGHTEN IN PLACE WITH TWO #8 SELF TAPPING SCREWS. SEE DETAIL "A"
3. SET T-BAR BRIDGE CROSS SUPPORT BRACKET INTO PLACE IN CEILING GRID.
4. INSTALL CODE GAUGE SUPPORT WIRES-MINIMUM 1 WIRE PER BOX OR CROSS SUPPORT AND 2 WIRE FOR SUPPORT BRIDGE. WIRES SHOULD EXTEND VERTICALLY TO STRUCTURE.
5. PROVIDE CUT-OUT IN CEILING TILE AS REQUIRED.
6. INSTALL ACOUSTICAL T-BAR SUPPORT CLIPS AT BOTH ENDS OF BRIDGE SUPPORT BRACKET THROUGH RECTANGULAR SLOTS PROVIDED. SEE DETAIL "B".

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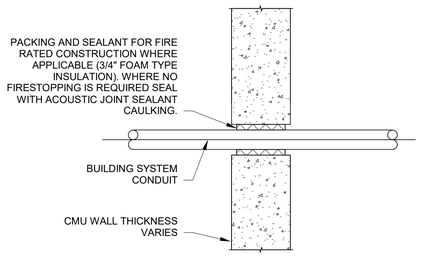
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CHKD:	RSR

E-502

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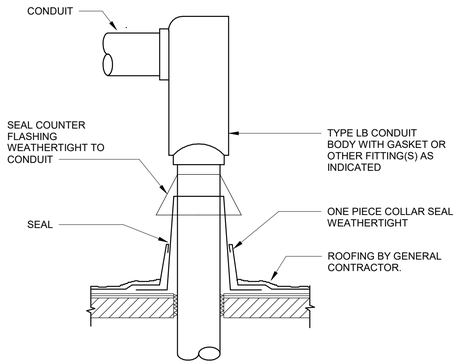
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1 TYPICAL ACOUSTICAL CONDUIT PENETRATION

E-503 SCALE: NTS



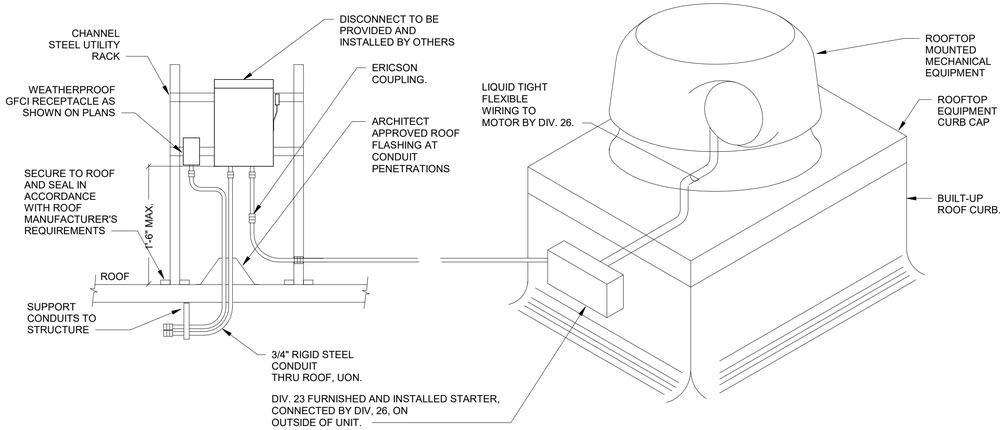
NOTES

A. ELECTRICAL CONTRACTOR TO PROVIDE ARCHITECT/ROOFING CONTRACTOR APPROVED CONDUIT COLLAR AND FLASHING.

B. USE THIS DETAIL ONLY WHERE REQUIRED. STUB-UP THROUGH MECHANICAL EQUIPMENT ROOF CURBS WHEREVER POSSIBLE.

2 TYPICAL CONDUIT ROOF PENETRATION

E-503 SCALE: NTS



3 TYPICAL ROOF EQUIPMENT MOUNTING DETAIL

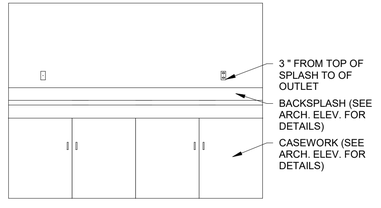
E-503 SCALE: NTS

NOTES:

1. FOR MULTIPLE CONDUIT PENETRATIONS, PACK VOID SPACE WITH ACOUSTICAL PACKING PR MINERAL WOOL INSULATION AND SEAL AROUND CONDUITS WITH ACOUSTICAL CAULKING.

4 TYPICAL ACOUSTICAL CONDUIT PENETRATION THRU- GYPSUM BOARD WALL

E-503 SCALE: NTS



5 CASEWORK TYPICAL OUTLET INSTALLATION AT CASEWORK

E-503 SCALE: NTS

NOTES

A. THIS DETAIL REPRESENTS DESIGN INTENT ONLY - STRUCTURAL COMPONENTS MAY VARY BASED ON ACTUAL ENGINEERED DESIGN.

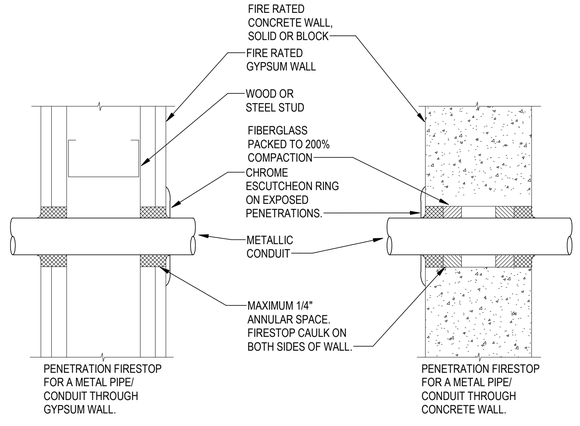
B. SUBMIT DETAILED SHOP DRAWINGS AS DESIGNED AND SEALED BY STRUCTURAL ENGINEER, REGISTERED IN STATE OF PROJECT. DESIGN TO INCLUDE VERIFICATION THAT BUILDING STRUCTURE CAN ACCOMMODATE THE LOAD AND THE PROPOSED ANCHORS. INCLUDE PRODUCT DATA FOR ALL COMPONENTS INCLUDING ANCHORS. SEE SUPPORTS SPECIFICATIONS. EQUIVALENT UNISTRUT CONSTRUCTION DESIGN BY STRUCTURAL ENGINEER IS ACCEPTABLE.

C. SEISMIC REQUIREMENT IS AS REQUIRED BY CODE FOR ALL COMPONENTS AND DESIGN

6 TYPICAL STACKED TRANSFORMER MOUNTING

E-503 SCALE: NONE

ACOUSTICAL CONDUIT PENETRATION
THRU-GYPSUM BOARD WALL



NOTES:

A. INSTALL FIRE STOP SYSTEMS IN STRICT CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATED WALLS AND FLOORS.
C. VERIFY UL APPROVED DETAIL REQUIRED FOR EACH CONDITION WITH COR. SUBMIT FOR APPROVAL COPY OF DETAIL TO BE USED, PRIOR TO INSTALLATION.

7 TYPICAL FIRE RATED WALL CONDUIT PENETRATION

E-503 SCALE: NTS

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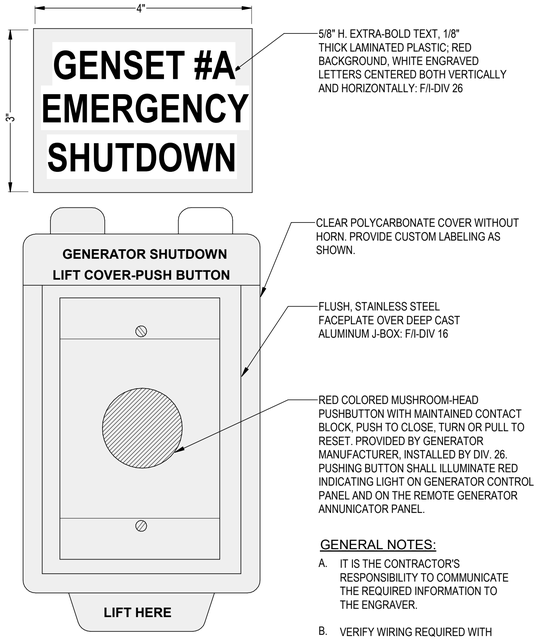
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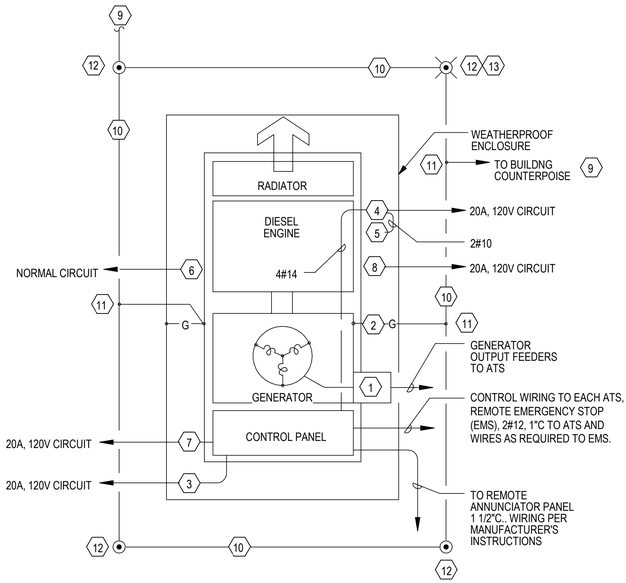
GENERAL NOTES:

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMMUNICATE THE REQUIRED INFORMATION TO THE ENGRAVER.

B. VERIFY WIRING REQUIRED WITH GENERATOR MANUFACTURER.

1 GENERATOR EMERGENCY SHUTDOWN PUSHBUTTON

E-504 SCALE: NTS



2 GENERATOR WIRING DETAIL

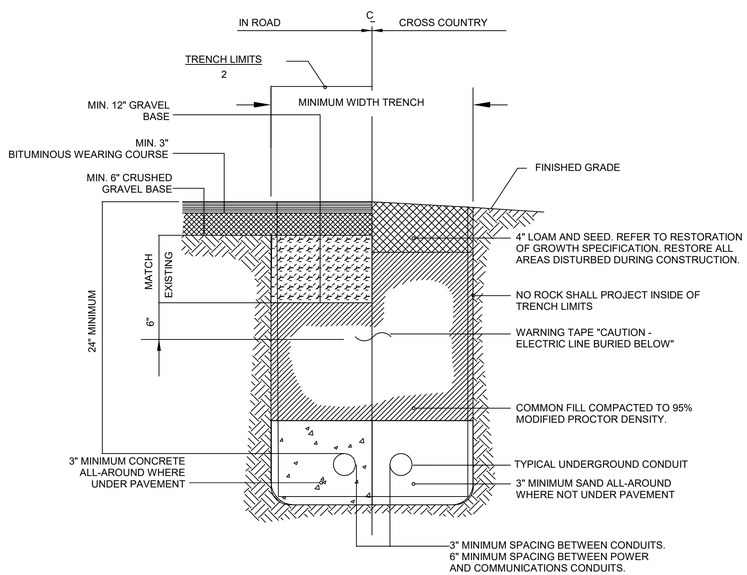
E-504 SCALE: NTS

GENERAL NOTES :

1. VERIFY CONDUIT STUB-UP LOCATIONS WITH SHOP DRAWINGS.
2. PROVIDE LOAD CENTER IN GENERATOR ENCLOSURE TO POWER OUTLETS, LIGHTS, JACKET WATER HEATER, ETC. PROVIDE WITH STEP-DOWN XFMR WHERE POWERED FROM A 480V SOURCE. FURNISHED AND INSTALLED BY GEN. MANUFACTURER. POWER FROM ELP-1 IN EMERGENCY DISTRIBUTION ROOM. INSTALL BREAKER RATED FOR 125% OF STEP-DOWN TRANSFORMERS FLA. INSTALL FEEDER WITH AMPACITY MATCHING THE BREAKER.
3. GENERATOR SECONDARY/OUTPUT FEEDER CONDUITS.
4. PROVIDE ONE (1) SPARE 1" C AND 1-1/2" C ROUTED WITH OTHER CONDUITS TO ELECTRICAL ROOM.

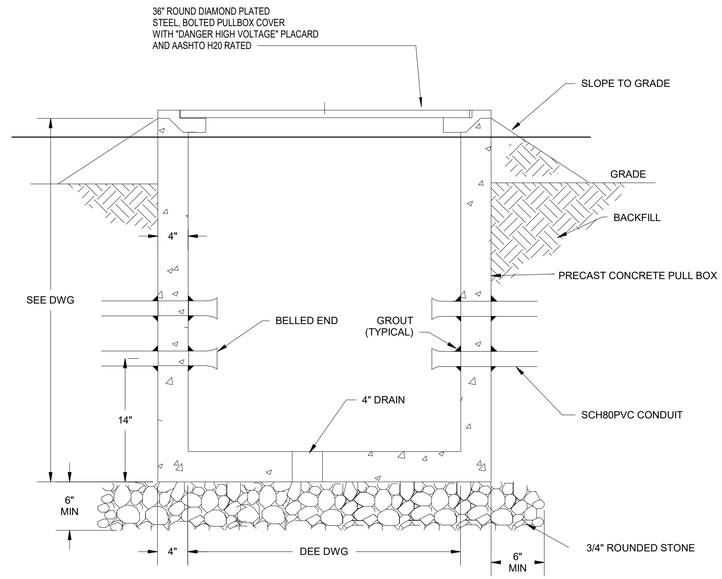
NOTES :

1. LOAD TERMINATION JUNCTION BOX WITH CIRCUIT BREAKERS FOR EACH SERVICE INDICATED.
2. GROUND LUG.
3. JUNCTION BOX FOR DUPLEX OUTLET, 120V DOME LIGHTS, AND TIMER LIGHT SWITCH.
4. BATTERY CHARGER WITH WIRING TO CONTROL PANEL AND REMOTE ANNUNCIATOR.
5. STARTING BATTERIES.
6. JACKET WATER HEATER (SET AT 110 DEGREES F.).
7. JUNCTION BOX FOR CONTROL PANEL AND GENERATOR ANTI-CONDENSATION HEATERS.
8. BATTERY HEATER (50 - 60 DEGREES F. TEMPERATURE RANGE).
9. TIE INTO EXISTING BUILDING GROUNDING COUNTERPOISE, WHERE PRESENT.
10. UNDERGROUND #4/0 GROUNDING ELECTRODE CONDUCTOR.
11. EXOTHERMIC WELD.
12. GROUND ROD. SEE E-121.
13. TEST WELL. SEE E-121.
14. LOCATE REMOTE ANNUNCIATOR IN CENTRAL COMMAND OFFICE. COORDINATE EXACT INSTALLATION LOCATION WITH OWNER.



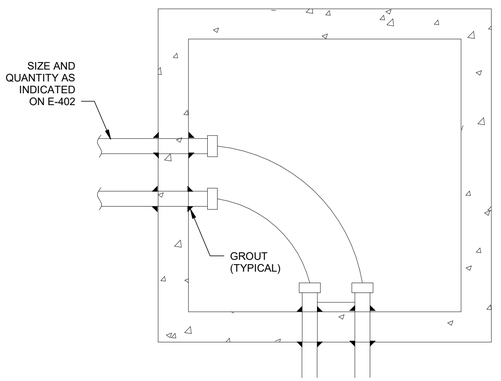
3 TRENCHING DETAIL

E-504 SCALE: NTS



4 CONCRETE HAND HOLE SECTION DETAIL

E-504 SCALE: 12" = 1'-0"



5 HAND HOLE PLAN DETAIL

E-504 SCALE: 12" = 1'-0"

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LICENSE
07/22/26
No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ38040000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ELECTRICAL DETAILS

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

E-504

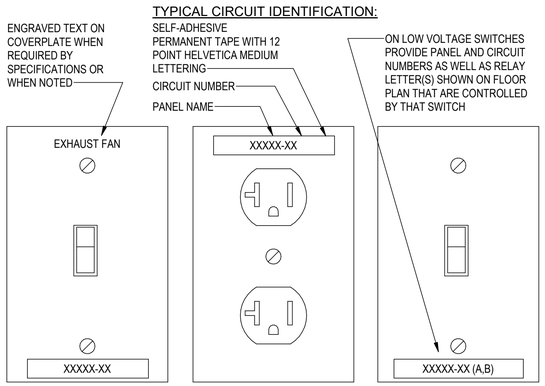
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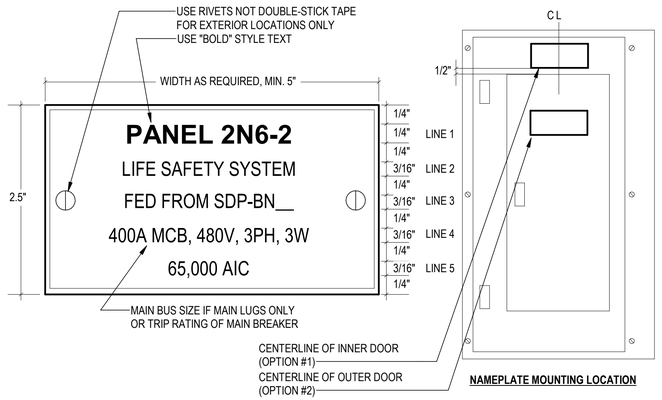
Bar measures 1 inch, otherwise drawing is not to scale



NOTES:

1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND COLORS OF TAPE REQUIRED FOR DIFFERENT SYSTEMS.
2. TEXT SHOWN ABOVE IS FOR EXAMPLE ONLY. MODIFY TEXT AS REQUIRED TO MATCH INSTALLATION.
3. LABEL DEVICES IN SURFACE METAL RACEWAYS, POWER POLES, FLOOR BOXES, CONCEALED MULTI-SERVICE POWER BOXES, ETC. SIMILARLY.
4. WHERE MULTIPLE SWITCHES ARE GROUPED UNDER COMMON COVERPLATE AND ARE SERVED FROM SAME CIRCUIT, PROVIDE ONLY ONE LABEL FOR MIDDLE SWITCH. PROVIDE MULTIPLE LABELS IF DIFFERENT CIRCUITS ARE USED.
5. LABELS ARE NOT REQUIRED FOR DEVICES IN APARTMENTS AND CONDOS.

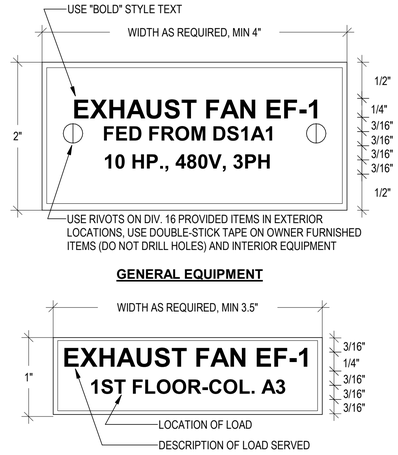
1 TYPICAL DEVICE & SWITCH LABELING
E-505 SCALE: NTS



NOTES

1. SEE DRAWINGS FOR ADDITIONAL NAMEPLATE INFORMATION AND COLORS OF NAMEPLATES FOR DIFFERENT SYSTEMS.
2. PROVIDE ONE NAMEPLATE FOR EACH PANEL OR MCC SECTION. WHERE SECTION NUMBER TWO AND ABOVE ARE WITHIN SAME ROOM AND WITHIN 10' OF EACH OTHER SMALLER SIZE NAMEPLATE CAN BE USED.
3. CENTER ALL TEXT HORIZONTALLY.
4. TEXT SHOWN ABOVE IS FOR EXAMPLE ONLY. MODIFY TEXT AS REQUIRED TO MATCH EQUIPMENT SPECIFICATIONS
5. DRILL HOLES ON EXTERIOR NAMEPLATES ONLY.
6. PROVIDE TYPED PANEL SCHEDULES IN DOOR SLEEVES FOR ALL PANELS. INDICATE LOAD DESCRIPTION AND BREAKER.
7. NAMEPLATES ARE NOT REQUIRED FOR APARTMENT AND CONDO PANELS.

2 TYPICAL BRANCH PANEL NAMEPLATE
E-505 SCALE: NTS



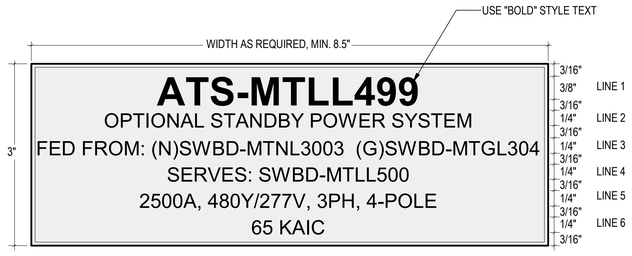
GENERAL EQUIPMENT

CIRCUIT BREAKERS IN DIST. PANELS

NOTES:

1. SEE DRAWINGS FOR ADDITIONAL NAMEPLATE INFORMATION AND COLORS OF NAMEPLATES FOR DIFFERENT SYSTEMS.
2. TEXT SHOWN ABOVE IS FOR EXAMPLE ONLY. MODIFY TEXT AS REQUIREDTO MATCH EQUIPMENT SPECIFICATIONS.
3. CENTER ALL TEXT HORIZONTALLY

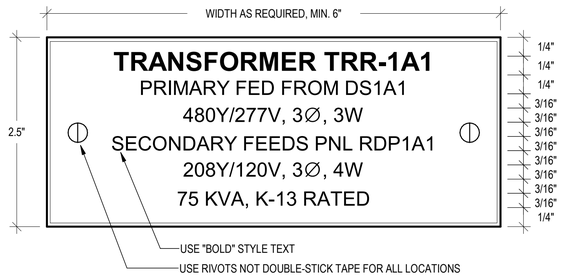
3 TYPICAL EQUIPMENT IDENTIFICATION NAMEPLATES
E-505 SCALE: NTS



NOTES

1. SEE DRAWINGS FOR ADDITIONAL NAMEPLATE INFORMATION AND COLORS OF NAMEPLATES FOR DIFFERENT SYSTEMS.
2. TEXT SHOWN ABOVE IS FOR EXAMPLE ONLY. MODIFY TEXT AS REQUIRED TO MATCH EQUIPMENT SPECIFICATIONS. REPLACE QUESTION MARKS WITH CORRECT NUMBERS.
3. CENTER ALL TEXT HORIZONTALLY
4. THIS DETAIL APPLIES TO ALL TRANSFER SWITCHES, MANUAL AND AUTOMATIC
5. DRILL HOLES ON EXTERIOR NAMEPLATES ONLY

4 TYPICAL TRANSFER SWITCH NAMEPLATES
E-505 SCALE: NTS



NOTES:

1. SEE DRAWINGS FOR ADDITIONAL NAMEPLATE INFORMATION AND COLORS OF NAMEPLATES FOR DIFFERENT SYSTEMS.
2. PROVIDE ONE NAMEPLATE FOR EACH TRANSFORMER.
3. CENTER ALL TEXT HORIZONTALLY.
4. TEXT SHOWN ABOVE IS FOR EXAMPLE ONLY. MODIFY TEXT AS REQUIRED TO MATCH EQUIPMENT SPECIFICATIONS.

5 TYPICAL TRANSFORMER NAMEPLATE
E-505 SCALE: NTS

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JOSEPH K. HOOVER LICENSE
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No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ELECTRICAL DETAILS

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

E-505

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EQUIPMENT NAMING CONVENTION						
EQUIPMENT TYPE		**POWER SYSTEMS**	**VOLTAGE**	**FIRST CHARACTER**	**SECOND CHARACTER**	**THIRD CHARACTER**
ATS-AUTOMATIC TRANSFER SWITCH		C-CRITICAL	D-DIRECT CURRENT	# - LEVEL DESIGNATION	X - AREA DESIGNATION	# - SEQUENTIAL DESIGNATION
CB-ENCLOSED CIRCUIT BREAKER		E-EMERGENCY	F-NON-UNITED STATES			
DP-DISTRIBUTION PANEL		G-GENERAL LOADS	H-480/277V 3Φ			
DS-NON-FUSED DISCONNECT		L-LIGHTING LOADS	L-208/120V 3Φ			
FS-FUSED DISCONNECT		LRS-LEGALLY REQUIRED STANDBY	MV-MEDIUM VOLTAGE			
GEN-GENERATOR		LS-LIFE SAFETY (HEALTH CARE)	N-NON-STANDARD			
MDP-MAIN DISTRIBUTION PANEL	-	M-MECHANICAL LOADS	Z-400HZ SYSTEM			
MSB-MAIN SWITCHBOARD		P-PROCESS EQUIPMENT				
MTS-MANUAL TRANSFER SWITCH		Q-EQUIPMENT (HEALTH CARE)				
P-BRANCH PANEL		R-RECEPTACLE LOADS				
SB-SWITCHBOARD		S-OPTIONAL STANDBY				
T-TRANSFORMER		T-TELECOMMUNICATIONS				
UPS-UNINTERRUPTIBLE POWER SUPPLY				(AS NECESSARY)	(AS NECESSARY)	(AS NECESSARY)

GENERAL NOTES:

1. ALL REQUIRED SPARES AND SPACES MAY NOT BE SHOWN. REFER TO E-602 FOR PANEL SCHEDULE FOR FULL REQUIREMENTS FOR SPARES AND SPACES.

KEY NOTES:

1 INTERCEPT EXISTING ATS FEEDER AND REFEED FROM PROPOSED GENERATOR.

2 DOCKING STATION SHALL HAVE TWO CAMLOCK CONNECTOR POINTS. ONE SHALL BE FOR CONNECTION OF A PORTABLE GENERATOR, THE OTHER SHALL BE FOR CONNECTION OF A PORTABLE LOAD BANK. DOCKING STATION SHALL BE CAPABLE OF SIGNALING TO THE LOAD BANK TO SHED LOAD IN THE EVENT OF OUTAGE DURING A TESTING CYCLE.

3 PROVIDE CIRCUIT BREAKER IN INDICATED PANEL TO POWER TRANSFORMER T-EHL. SIZE TO 125% OF TRANSFORMERS FLA. COORDINATE SIZING WITH GENERATOR MANUFACTURER.

4 PROVIDE FEEDER TO GENERATOR LOAD CENTER TRANSFORMER. SIZE TO MATCH OCPD IN ELP-1.

5 PROVIDE STEP-DOWN TRANSFORMER IN GEN-H1. TRANSFORMER SHALL BE SIZED TO SUPPORT ANTICIPATED GENERATOR SUPPORT LOADS WHICH INCLUDE RECEPTACLES, LIGHTS, JACKET WATER HEATERS, ETC.

6 PROVIDE LOAD CENTER WITHIN GENERATOR ENCLOSURE. SIZE TO POWER ALL GENERATOR SUPPORTING EQUIPMENT.

7 REFER TO GENERATOR WIRING DETAIL ON E-50X FOR ADDITIONAL INFORMATION.

8 GENERATOR START/STOP SIGNAL FROM ATS. PROVIDE CONTROL WIRING AND CONDUIT BETWEEN ATS AND GENERATOR.

TO UTILITY MV FEED

EX.1000/1400KVA
12kV-480Y/277V
TRANSFORMER

EX. SWBD-B
2000A BUS
480Y/277V
3-Φ, 4W
42 KAIC

EX. 2000AF
EX. 2000AT

EX. TIE
1200AF
1200AT

TO EX.
SWBD A

EX.

TO EX.
ATS EDP

600AF
600AT
CKT 1, 3P

C600B

EX.

SPARE

EX.

TO EX.

DS-H
600A
480Y/277V
DOCKING STATION (2)

MDP
600A BUS
480Y/277V
3-Φ, 4W
42 KAIC

600AF
600AT

(7)
GEN-H1
480/277V
350kW/437.5kVA
DIESEL GENERATOR
W/ 24HR BELLY TANK

600AF
600AT/3P

C600A

(6) (5)

T-EHL

P-EL

125AF
100AT/3P

125AF
60AT/3P

250AF
250AT/3P
100% RATED

125AF
100AT/3P

SPACE

125AF
90AT/3P

125AF
60AT/3P

C100 C60 C250 C100 C60

SPD

C225 C400

CB-EH
225AF
225AT/2P

CB-LRS
400AF
400AT/3P

ENCLOSED
CIRCUIT BREAKER
(TYP.)

C225

C400

B90

T-GHL
45kVA, K13
480:120/208V 3PH

TO EX.
SERVICE
SWBD.

(4) (8) (1)

C100 C60 C250

CB-CH
125AF
100AT/3P

CB-LSH
125AF
60AT/3P

CB-QH
250AF
250AT/3P
100% RATED

ATS-CH
480Y/ 277V
100A, 3-POLE

ATS-LSH
480Y/ 277V
60A, 3-POLE

ATS-QH
480Y/ 277V
260A, 3-POLE

(8) (8) (8)

C100 C60 C250 C100

EX. ATS EDP
480Y/ 277V
260A, 3-POLE

EX.

EDP
400A
480Y/277V
3-Φ, 4W
--

EX.

ELP-1
100A
480Y/277V
3-Φ, 4W
-- (3)

P-CH
100A
480Y/277V
3-Φ, 4W
--

P-LSH
100A
480Y/277V
3-Φ, 4W
--

P-QH
400A
480Y/277V
3-Φ, 4W
--

P-GH
100A
480Y/277V
3-Φ, 4W
--

C100 C100

P-GL1
100A
208Y/120V
3-Φ, 4W
--

P-GL2
100A
208Y/120V
3-Φ, 4W
--

B50 B30 B70

T-CHL
30kVA, K20
480:120/208V 3PH

T-LSHL
15kVA, K13
480:120/208V 3PH

T-QHL
45kVA, K13
480:120/208V 3PH

C100 C60 C150

P-CL1
100A
208Y/120V
3-Φ, 4W
--

P-LSL
100A
208Y/120V
3-Φ, 4W
--

P-QL
225A
208Y/120V
3-Φ, 4W
--

C100

P-CL2
100A
208Y/120V
3-Φ, 4W
--

CABLE SCHEDULE (CU)

LABEL	CB RATING	# OF SETS	PHASE CONDUCTORS #	PHASE CONDUCTORS SIZE	NEUTRAL CONDUCTORS #	NEUTRAL CONDUCTORS SIZE	GROUNDING CONDUCTORS #	GROUNDING CONDUCTORS SIZE	CONDUIT
A									
A20	20 A	1	1	#12	1	#12	1	#12	3/4"
A30	30 A	1	1	#10	1	#10	1	#10	3/4"
B									
B20	20 A	1	3	#12	0	N/A	1	#12	3/4"
B30	30 A	1	3	#10	0	N/A	1	#10	3/4"
B50	50 A	1	3	#6	0	N/A	1	#10	1"
B70	70 A	1	3	#4	0	N/A	1	#8	1-1/2"
B90	90 A	1	3	#2	0	N/A	1	#8	1-1/2"
C									
C60	60 A	1	3	#4	1	#4	1	#10	1-1/4"
C80	80 A	1	3	#3	1	#3	1	#8	1-1/4"
C100	100 A	1	3	#1	1	#1	1	#8	2"
C110	110 A	1	3	#1	1	#1	1	#6	2"
C150	150 A	1	3	#1/0	1	#1/0	1	#6	2"
C225	225 A	1	3	#4/0	1	#4/0	1	#4	2-1/2"
C250	250 A	1	3	250KCMIL	1	250KCMIL	1	#4	2-1/2"
C400	400 A	2	3	300KCMIL	1	300KCMIL	1	#1	4"

1 E-601 SINGLE LINE DIAGRAM
SCALE: NTS

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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

SINGLE LINE DIAGRAM

PROJ: 213-26912-22005
DESN: JKH/RLH
DRWN: RLH
CHKD: RSR

E-601

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Branch Panel: MDP

Location: ELEC B-109
Supply From: SERVICE SWITCHBOARD
Mounting: Surface
Enclosure: Type 1

Volts: 480Y/277V
Phases: 3
Wires: 4

A.I.C. Rating: 42 KAIC
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	ATS-CH	100 A	3	7.32	4.10					3	60 A	ATS-LSH	2
3	--	--	--			5.50	3.49			--	--	--	4
5	--	--	--					6.64	5.01	--	--	--	6
7	ATS-QH	250 A	3	70.15	9.20					3	100 A	P-GH	8
9	--	--	--			70.33	9.06			--	--	--	10
11	--	--	--					71.15	9.23	--	--	--	12
13	SPACE	--	3	--	14.61					3	90 A	T-GHL	14
15	--	--	--			--	16.59			--	--	--	16
17	--	--	--					--	15.90	--	--	--	18
19	SPARE	100 A	3	0.00	0.00					3	100 A	SPARE	20
21	--	--	--			0.00	0.00			--	--	--	22
23	--	--	--					0.00	0.00	--	--	--	24
25	SPACE	--	3	--	0.00					3	60 A	SPD	26
27	--	--	--			--	0.00			--	--	--	28
29	--	--	--					--	0.00	--	--	--	30
		Total Load:		105.38 kVA		104.97 kVA		107.94 kVA					
		Total Amps:		381 A		379 A		390 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA		
Power	7792 VA	100.00%	7792 VA	**Total Conn. Load:**	318.29 kVA
LIGHTING	10201 VA	125.00%	12751 VA	**Total Est. Demand:**	231.86 kVA
RECEPTACLE	59260 VA	58.44%	34630 VA	**Total Conn. Current:**	383 A
Non-Continuous	6300 VA	100.00%	6300 VA	**Total Est. Demand Current:**	279 A
MECHANICAL EQUIPMENT	9992 VA	100.00%	9992 VA		
Spare	1000 VA	100.00%	1000 VA		
MECH EQPMT - COOLING	158744 VA	100.00%	158744 VA		
MECH EQPMT - HEATING	65000 VA	1.00%	650 VA		

Notes:

Branch Panel: P-CH

Location: ELEC B-109
Supply From: ATS-CH
Mounting: Surface
Enclosure: Type 1

Volts: 480Y/277V
Phases: 3
Wires: 4

A.I.C. Rating: 42 kAIC
Mains Type: MLO
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LTG - D-100, C-101	20 A	1	0.31	1.23					1	20 A	LTG - B-124, B-117, B-128, B-120, C-102, B-105	2
3							0.18			1	20 A	LTG - C-107, C-106, C-105, C-108, C-104	4
5	LTG - C-112, C-109, C-111, C-113, C-110	20 A	1					0.41	0.27	1	20 A	LTG - C-109, C-100, C-112, C-111	6
7	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	8
9	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	10
11	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	12
13	SPACE	--	1	--	--					1	--	SPACE	14
15	SPACE	--	1			--	--			1	--	SPACE	16
17	SPACE	--	1					--	--	1	--	SPACE	18
19	SPACE	--	1	--	--					1	--	SPACE	20
21	SPACE	--	1			--	--			1	--	SPACE	22
23	SPACE	--	1					--	--	1	--	SPACE	24
25	SPACE	--	1	--	--					1	--	SPACE	26
27	SPACE	--	1			--	--			1	--	SPACE	28
29	SPACE	--	1					--	--	1	--	SPACE	30
31	SPACE	--	1	--	--					1	--	SPACE	32
33	SPACE	--	1			--	--			1	--	SPACE	34
35	SPACE	--	1					--	--	1	--	SPACE	36
37	SPD	30 A	1	0.00	5.78					3	50 A	T-CHL	38
39							5.32			--	--	--	40
41									5.96	--	--	--	42
		Total Load:		7.32 kVA		5.50 kVA		6.64 kVA					
		Total Amps:		27 A		20 A		25 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA		
LIGHTING	2403 VA	125.00%	3004 VA	**Total Conn. Load:**	19.46 kVA
RECEPTACLE	16060 VA	81.13%	13030 VA	**Total Est. Demand:**	17.03 kVA
Non-Continuous	1000 VA	100.00%	1000 VA	**Total Conn. Current:**	23 A
				Total Est. Demand Current:	20 A

Notes:

Branch Panel: P-QH

Location: ELEC B-109
Supply From: ATS-QH
Mounting: Surface
Enclosure: Type 1

Volts: 480Y/277V
Phases: 3
Wires: 4

A.I.C. Rating: 42 kAIC
Mains Type: MLO
Mains Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	T-QHL	70 A	3	15.52	0.00					3	100 A	SPARE	2
3	--	--	--			15.70	0.00			--	--	--	4
5	--	--	--					16.53	0.00	--	--	--	6
7	SPACE	--	3	--	4.00					3	20 A	VAV-01	8
9	--	--	--			--	4.00			--	--	--	10
11	--	--	--					--	4.00	--	--	--	12
13	RTU-2	60 A	3	11.57	13.98					3	80 A	RTU-3	14
15	--	--	--			11.57	13.98			--	--	--	16
17	--	--	--					11.57	13.98	--	--	--	18
19	RTU-1	110 A	3	25.08	0.00					3	30 A	SPARE	20
21	--	--	--			25.08	0.00			--	--	--	22
23	--	--	--					25.08	0.00	--	--	--	24
25	SPARE	20 A	3	0.00	0.00					3	30 A	SPD	26
27	--	--	--			0.00	0.00			--	--	--	28
29	--	--	--					0.00	0.00	--	--	--	30
31	SPARE	20 A	3	0.00	0.00					1	20 A	SPARE	32
33	--	--	--			0.00	0.00			1	20 A	SPARE	34
35	--	--	--					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42
		Total Load:		70.15 kVA		70.33 kVA		71.15 kVA					
		Total Amps:		253 A		254 A		257 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	4992 VA	100.00%	4992 VA		
RECEPTACLE	900 VA	100.00%	900 VA	**Total Conn. Load:**	211.64 kVA
MECHANICAL EQUIPMENT	5000 VA	100.00%	5000 VA	**Total Est. Demand:**	171.05 kVA
Spare	1000 VA	100.00%	1000 VA	**Total Conn. Current:**	255 A
MECH EQPMT - COOLING	158744 VA	100.00%	158744 VA	**Total Est. Demand Current:**	206 A
MECH EQPMT - HEATING	41000 VA	1.00%	410 VA		

Notes:

Branch Panel: P-LSH

Location: ELEC B-109
Supply From: ATS-LSH
Mounting: Surface
Enclosure: Type 1

Volts: 480Y/277V
Phases: 3
Wires: 4

A.I.C. Rating: 42 kAIC
Mains Type: MLO
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LTG - B-120, C-100, C-118, A-100, B-112, B-100	20 A	1	0.04	0.02					1	20 A	EXTERIOR WALL PACK	2
3	LTG - A-102, A-101, B-112, B-104	20 A	1			0.13	1.05			1	20 A	LTG - C-117, B-127, C-118, A-106, A-108, A-107,...	4
5	LTG - B-113, A-100, A-104, B-112, B-114, A-105,...	20 A	1					0.96	1.06	1	20 A	LTG - C-112, C-109, C-107, C-106, C-105, D-100...	6
7	LTG - B-124, B-118, B-122, B-103, B-100, B-105,...	20 A	1	1.05	--					1	--	SPACE	8
9	T-LSHL	30 A	3			2.30	--			1	--	SPACE	10
11	--	--	--					3.00	--	1	--	SPACE	12
13	--	--	--	3.00	--					1	--	SPACE	14
15	SPACE	--	1			--	--			1	--	SPACE	16
17	SPACE	--	1					--	--	1	--	SPACE	18
19	SPACE	--	1	--	--					1	--	SPACE	20
21	SPACE	--	1			--	--			1	--	SPACE	22
23	SPACE	--	1					--	--	1	--	SPACE	24
25	SPACE	--	1	--	--					1	--	SPACE	26
27	SPACE	--	1			--	--			1	--	SPACE	28
29	SPACE	--	1					--	--	1	--	SPACE	30
31	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	32
33	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	34
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					3	30 A	SPD	38
39	SPARE	20 A	1			0.00	0.00			--	--	--	40
41	SPARE	20 A	1					0.00	0.00	--	--	--	42
		Total Load:		4.10 kVA		3.49 kVA		5.01 kVA					
		Total Amps:		15 A		13 A		18 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	2800 VA	100.00%	2800 VA		
LIGHTING	4309 VA	125.00%	5386 VA	**Total Conn. Load:**	12.60 kVA
Non-Continuous	500 VA	100.00%	500 VA	**Total Est. Demand:**	13.68 kVA
MECHANICAL EQUIPMENT	4992 VA	100.00%	4992 VA	**Total Conn. Current:**	15 A
				Total Est. Demand Current:	16 A

Notes:

IMPORTANT - DO NOT DISTRIBUTE

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JOSEPH K. HOOVER
LICENSE
07/22/26
No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ELECTRICAL SCHEDULES

PROJ: 213-26912-22005
DESN: JKH/RLH
DRWN: RLH
CHKD: RSR

E-602

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Bar measures 1 inch, otherwise drawing is not to scale

Branch Panel: P-GH

Location: ELEC B-109
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 480Y/277V
Phases: 3
Wires: 4

A.I.C. Rating: 42 kAIC
Mains Type: MLO
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LTG - D-103, D-102, D-101, C-102, C-103, C-101	20 A	1	0.18	0.47					1	20 A	LTG - B-113, B-121, B-114, A-105, A-103, B-129	2
3	LTG - C-119, A-104, A-106, A-108, A-107	20 A	1			0.88	2.00			3	20 A	VAV-30	4
5	LTG - B-119, B-118, B-122, B-111, B-123, C-116,...	20 A	1					1.00	2.00	--	--	--	6
7	VAV-31	20 A	3	2.67	2.00					--	--	--	8
9	--	--	--			2.67	3.33			3	20 A	VAV-27	10
11	--	--	--					2.67	3.33	--	--	--	12
13	LTG -:C-100	20 A	1	0.55	3.33					--	--	--	14
15	LTG - B-112, B-104, B-106	20 A	1			0.08	0.10			1	20 A	LTG - A-104, B-114, B-118, B-113, B-122, B-121,...	16
17	LTG - C-110, B-123, C-101, B-119	20 A	1					0.08	0.16	1	20 A	LTG - FRESH AIR COURT C-115	18
19	SPACE	--	1	--	--					1	--	SPACE	20
21	SPACE	--	1			--	--			1	--	SPACE	22
23	SPACE	--	1					--	--	1	--	SPACE	24
25	SPACE	--	1	--	--					1	--	SPACE	26
27	SPACE	--	1			--	--			1	--	SPACE	28
29	SPACE	--	1					--	--	1	--	SPACE	30
31	SPARE	20 A	3	0.00	0.00					1	20 A	SPARE	32
33	--	--	--			0.00	0.00			1	20 A	SPARE	34
35	--	--	--					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					3	30 A	SPD	38
39	SPARE	20 A	1			0.00	0.00			--	--	--	40
41	SPARE	20 A	1					0.00	0.00	--	--	--	42
		Total Load:		9.20 kVA		9.06 kVA		9.23 kVA					
		Total Amps:		33 A		33 A		33 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	3489 VA	125.00%	4361 VA		
MECH EQPMT - HEATING	24000 VA	1.00%	240 VA	**Total Conn. Load:**	27.49 kVA
				Total Est. Demand:	4.60 kVA
				Total Conn. Current:	33 A
				Total Est. Demand Current:	6 A

Notes:

Branch Panel: P-CL1

Location: ELEC B-109
Supply From: T-CHL
Mounting: Surface
Enclosure: Type 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE PHLEBOTOMY LAB B-122	20 A	1	0.18	0.18					1	20 A	RECEPTACLE PHLEBOTOMY LAB B-122	2
3	RECEPTACLE PHLEBOTOMY LAB B-122	20 A	1			0.54	0.72			1	20 A	RECEPTACLE DAYROOM C-100	4
5	RECEPTACLE DAYROOM C-100	20 A	1					0.72	0.72	1	20 A	RECEPTACLE ROOMS B-118, B-119	6
7	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1	0.36	0.54					1	20 A	RECEPTACLE GEN. EXAM B-123	8
9	RECEPTACLE SINGLE ISOLATION RM C-112	20 A	1			0.36	0.36			1	20 A	RECEPTACLE PHLEBOTOMY LAB B-122	10
11	RECEPTACLE SINGLE ISOLATION RM C-112	20 A	1					0.36	0.36	1	20 A	RECEPTACLE SINGLE ISOLATION RM C-111	12
13	RECEPTACLE SINGLE ISOLATION RM C-111	20 A	1	0.36	0.36					1	20 A	RECEPTACLE GEN. MED. SINGLE C-108	14
15	RECEPTACLE GEN. MED. SINGLE C-107	20 A	1			0.36	0.36			1	20 A	RECEPTACLE GEN. MED. SINGLE C-106	16
17	RECEPTACLE GEN. MED. SINGLE C-108	20 A	1					0.36	0.36	1	20 A	RECEPTACLE GEN. MED. SINGLE C-106	18
19	RECEPTACLE GEN. MED. SINGLE C-107	20 A	1	0.36	0.36					1	20 A	RECEPTACLE GEN. MED. SINGLE C-105	20
21	RECEPTACLE CORRIDOR B-124	20 A	1			0.36	0.36			1	20 A	RECEPTACLE ASSIST. LIVG DORM C-109	22
23	RECEPTACLE GEN. MED. SINGLE C-105	20 A	1					0.36	0.36	1	20 A	RECEPTACLE ASSIST. LIVG DORM C-109	24
25	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1	0.36	0.36					1	20 A	RECEPTACLE ASSIST. LIVG DORM C-109	26
27	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1			0.36	1.54			3	100 A	P-CL2	28
29	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1					0.36	2.00	--	--	--	30
31	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1	0.36	2.00					--	--	--	32
33	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	34
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40
41	SPACE	--	1					--	--	1	--	SPACE	42
43	SPACE	--	1	--	--					1	--	SPACE	44
45	SPACE	--	1			--	--			1	--	SPACE	46
47	SPACE	--	1					--	--	1	--	SPACE	48
49	SPACE	--	1	--	0.00					3	30 A	SPD	50
51	SPACE	--	1			--	0.00			--	--	--	52
53	SPACE	--	1					--	0.00	--	--	--	54
		Total Load:		5.78 kVA		5.32 kVA		5.96 kVA					
		Total Amps:		49 A		44 A		50 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	16060 VA	81.13%	13030 VA		
Non-Continuous	1000 VA	100.00%	1000 VA	**Total Conn. Load:**	17.06 kVA
				Total Est. Demand:	14.03 kVA
				Total Conn. Current:	47 A
				Total Est. Demand Current:	39 A

Notes:

Branch Panel: P-CL2

Location: DATA C-117
Supply From: P-CL1
Mounting: Surface
Enclosure: Type 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MLO
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE DATA C-117	20 A	1	0.18	0.36					1	20 A	RECEPTACLE DATA C-117	2
3	RECEPTACLE DATA RACK C-117	20 A	1			1.00	0.50			1	20 A	NURSE CALL PANEL	4
5	RECEPTACLE DATA RACK C-117	20 A	1					1.00	0.50	2	20 A	RECEPTACLE DATA RACK C-117	6
7	RECEPTACLE DATA RACK C-117	20 A	2	0.50	0.50					--	--	--	8
9	--	--	--			0.50	0.00			1	20 A	SPARE	10
11	PA CONTROLLER	20 A	1					0.50	0.00	1	20 A	SPARE	12
13	SPARE	20 A	1	0.00	0.00					2	20 A	SPARE	14
15	SPARE	20 A	1			0.00	0.00			--	--	--	16
17	SPARE	20 A	2					0.00	0.00	1	20 A	SPARE	18
19	--	--	--	0.00	--					1	--	SPACE	20
21	SPARE	20 A	1			0.00	--			1	--	SPACE	22
23	SPACE	--	1					--	--	1	--	SPACE	24
25	SPACE	--	1	--	0.00					3	30 A	SPD	26
27	SPACE	--	1			--	0.00			--	--	--	28
29	SPACE	--	1					--	0.00	--	--	--	30
		Total Load:		1.54 kVA		2.00 kVA		2.00 kVA					
		Total Amps:		13 A		17 A		17 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	4540 VA	100.00%	4540 VA		
Non-Continuous	1000 VA	100.00%	1000 VA	**Total Conn. Load:**	5.54 kVA
				Total Est. Demand:	5.54 kVA
				Total Conn. Current:	15 A
				Total Est. Demand Current:	15 A

Notes:

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No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ELECTRICAL SCHEDULES

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

E-603

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Bar measures 1 inch, otherwise drawing is not to scale

Branch Panel: P-GL1

Location: ELEC B-109
Supply From: T-GHL
Mounting: Surface
Enclosure: Type 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE CORRIDOR B-124	20 A	1	0.18	0.18					1	20 A	RECEPTACLE UTILITY A-107	2
3	RECEPTACLE DAYROOM C-100	20 A	1			0.54	1.08			1	20 A	RECEPTACLE INTERVIEW B-121	4
5	RECEPTACLE IN-PATIENT MED. STOR. C-119	20 A	1					0.90	1.08	1	20 A	RECEPTACLE Room C-107, C-108	6
7	RECEPTACLE CORRIDOR A-100	20 A	1	1.08	0.09					2	20 A	RECEPTACLE UTILITY A-107	8
9	RECEPTACLE MULTI PURP. TREAT. B-114	20 A	1			0.36	0.09			--	--	--	10
11	RECEPTACLE ROOMS C-114, C-113	20 A	1					0.36	0.54	1	20 A	RECEPTACLE Room B-113, B-114	12
13	RECEPTACLE LACTATION B-104	20 A	1	0.36	0.54					1	20 A	RECEPTACLE MULTI PURP. TREAT. B-114	14
15	RECEPTACLE ROOM B-111, B-101, B-116	20 A	1			0.54	0.90			1	20 A	RECEPTACLE HEALTHCARE PROVID. OFF....	16
17	RECEPTACLE MED SUPPLY B-127	20 A	1					0.54	0.54	1	20 A	RECEPTACLE GEN. EXAM B-118	18
19	RECEPTACLE GEN. EXAM B-119	20 A	1	0.54	0.36					1	20 A	RECEPTACLE DAYROOM C-100	20
21	RECEPTACLE DAYROOM C-100	20 A	1			0.36	0.72			1	20 A	RECEPTACLE ROOMS C-106, C-105	22
23	RECEPTACLE ROOMS C-107, C-108	20 A	1					0.72	0.72	1	20 A	RECEPTACLE ROOMS C-100, C-110	24
25	RECEPTACLE ROOMS C-104, C-103, D-100	20 A	1	0.72	0.36					1	20 A	RECEPTACLE ASSIST. LIVG DORM C-109	26
27	RECEPTACLE HEALTHCARE PROVID. OFF....	20 A	1			0.90	0.72			1	20 A	RECEPTACLE ASSIST. LIVG DORM C-109	28
29	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1					0.72	1.08	1	20 A	RECEPTACLE ROOMS C-118, C-120, B-128	30
31	RECEPTACLE ARCHIVE MED. RECORDS A-106	20 A	1	0.72	0.90					1	20 A	RECEPTACLE OFFICER WATCH STATION B-103	32
33	RECEPTACLE ROOMS A-108, A-107	20 A	1			1.08	0.72			1	20 A	RECEPTACLE ELEC B-109	34
35	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1					0.36	0.36	1	20 A	RECEPTACLE ASSIST. LIVG DORM C-109	36
37	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1	0.36	0.36					1	20 A	RECEPTACLE GEN. MED. SINGLE C-105	38
39	SPACE	--	1			--	--			1	--	SPACE	40
41	SPACE	--	1					--	0.00	1	20 A	SPARE	42
43	SPACE	--	1	--	0.00					1	20 A	SPARE	44
45	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	46
47	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	48
49	SPARE	20 A	1	0.00	0.00					3	30 A	SPD	50
51	SPARE	20 A	1			0.00	0.00			--	--	--	52
53	SPARE	20 A	1					0.00	0.00	--	--	--	54
		Total Load:		6.75 kVA		8.01 kVA		7.92 kVA					
		Total Amps:		56 A		68 A		68 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	22680 VA	72.05%	16340 VA		
				Total Conn. Load:	22.68 kVA
				Total Est. Demand:	16.34 kVA
				Total Conn. Current:	63 A
				Total Est. Demand Current:	45 A

Notes:

Branch Panel: P-GL2

Location: ELEC B-109
Supply From: T-GHL
Mounting: Surface
Enclosure: Type 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MLO
Mains Rating: 225 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE MED. STORAGE & SORTING B-112	20 A	1	0.36	0.54					1	20 A	RECEPTACLE ROOMS B-125, B-129	2
3	RECEPTACLE ADMIN. OFF. A-101	20 A	1			0.72	1.08			1	20 A	RECEPTACLE D.NURS. OFF. A-102	4
5	RECEPTACLE DENTAL OPERATORY B-105	20 A	1					0.72	1.20	1	20 A	DENTAL ISLAND POWER	6
7	RECEPTACLE DENTAL LAB B-106	20 A	1	0.54	0.54					1	20 A	RECEPTACLE DENTAL OPERATORY B-105	8
9	RECEPTACLE STAFF BREAK A-104	20 A	1			0.18	0.18			1	20 A	RECEPTACLE MED. STORAGE & SORTING B-112	10
11	RECEPTACLE STAFF BREAK A-104	20 A	1					0.18	0.18	1	20 A	RECEPTACLE STAFF BREAK A-104	12
13	RECEPTACLE STAFF BREAK A-104	20 A	1	0.18	0.18					1	20 A	RECEPTACLE LACTATION B-104	14
15	RECEPTACLE DENTAL LAB B-106	20 A	1			0.18	0.54			1	20 A	RECEPTACLE MED. STORAGE & SORTING B-112	16
17	RECEPTACLE LACTATION B-104	20 A	1					0.18	0.54	1	20 A	RECEPTACLE STAFF BREAK A-104	18
19	RECEPTACLE DENTAL LAB B-106	20 A	1	0.18	0.72					1	20 A	RECEPTACLE INTERVIEW C-101	20
21	RECEPTACLE ROOMS B-103, B-100	20 A	1			0.72	0.90			1	20 A	RECEPTACLE ROOMS B-108, B-107	22
23	RECEPTACLE ROOMS C-111, C-112	20 A	1					0.72	0.90	1	20 A	RECEPTACLE SPECIALTY EXAM B-113	24
25	RECEPTACLE MED. STORAGE & SORTING B-112	20 A	1	0.72	0.90					1	20 A	RECEPTACLE GEN. EXAM B-123	26
27	RECEPTACLE ROOMS C-106, C-105	20 A	1			1.08	1.20			1	20 A	POWER DENTAL OPERATORY B-105	28
29	RECEPTACLE ROOMS C-111, C-112	20 A	1					1.08	1.20	1	20 A	DENTAL CHAIR	30
31	RECEPTACLE ROOMS C-101, B-120, B-124	20 A	1	1.08	1.20					1	20 A	DENTAL ISLAND POWER	32
33	RECEPTACLE ROOMS C-112, C-111	20 A	1			0.36	0.72			1	20 A	RECEPTACLE ROOM C-105, C-106, C-107, C-108	34
35	RECEPTACLE ASSIST. LIVG DORM C-109	20 A	1					0.54	0.36	1	20 A	RECEPTACLE GEN. MED. SINGLE C-107	36
37	RECEPTACLE GEN. MED. SINGLE C-108	20 A	1	0.36	0.36					1	20 A	RECEPTACLE GEN. MED. SINGLE C-106	38
39	RECEPTACLE SINGLE ISOLATION RM C-112	20 A	1			0.36	0.36			1	20 A	RECEPTACLE SINGLE ISOLATION RM C-111	40
41	RECEPTACLE SPRINKLER ROOM C-102	20 A	1					0.18	0.00	1	20 A	SPARE	42
43	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	44
45	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	46
47	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	48
49	SPARE	20 A	1	0.00	0.00					3	30 A	SPD	50
51	SPACE	--	1			--	0.00			--	--	--	52
53	SPACE	--	1					--	0.00	--	--	--	54
		Total Load:		7.86 kVA		8.58 kVA		7.98 kVA					
		Total Amps:		66 A		72 A		67 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	19620 VA	75.48%	14810 VA		
Non-Continuous	4800 VA	100.00%	4800 VA	**Total Conn. Load:**	24.42 kVA
				Total Est. Demand:	19.61 kVA
				Total Conn. Current:	68 A
				Total Est. Demand Current:	54 A

Notes:

Branch Panel: P-LSL

Location: ELEC B-109
Supply From: T-LSHL
Mounting: Surface
Enclosure: Type 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 60 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	ACCESS CONTROL PANEL	20 A	1	0.50	0.60					1	20 A	ACCESS CONTROL POWER	2
3	ACCESS CONTROL POWER	20 A	1			0.50	2.50			2	30 A	UH-1	4
5	FIRE ALARM POWER SUPPLY	20 A	1					0.50	2.50	--	--	--	6
7	ACCESS CONTROL POWER	20 A	1	0.60	0.60					1	20 A	ACCESS CONTROL POWER	8
9	SPACE	--	1			--	--			1	--	SPACE	10
11	SPACE	--	1					--	--	1	--	SPACE	12
13	SPACE	--	1	--	--					1	--	SPACE	14
15	SPACE	--	1			--	--			1	--	SPACE	16
17	SPACE	--	1					--	--	1	--	SPACE	18
19	SPACE	--	1	--	--					1	--	SPACE	20
21	SPACE	--	1			--	--			1	--	SPACE	22
23	SPACE	--	1					--	--	1	--	SPACE	24
25	SPACE	--	1	--	--					1	--	SPACE	26
27	SPACE	--	1			--	--			1	--	SPACE	28
29	SPACE	--	1					--	0.00	1	20 A	SPARE	30
31	SPACE	--	1	--	0.00					1	20 A	SPARE	32
33	SPACE	--	1			--	0.00			1	20 A	SPARE	34
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					3	30 A	SPD	38
39	SPARE	20 A	1			0.00	0.00			--	--	--	40
41	SPARE	20 A	1					0.00	0.00	--	--	--	42
		Total Load:		2.30 kVA		3.00 kVA		3.00 kVA					
		Total Amps:		19 A		26 A		26 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	2800 VA	100.00%	2800 VA		
Non-Continuous	500 VA	100.00%	500 VA	**Total Conn. Load:**	8.29 kVA
MECHANICAL EQUIPMENT	4992 VA	100.00%	4992 VA	**Total Est. Demand:**	8.29 kVA
				Total Conn. Current:	23 A
				Total Est. Demand Current:	23 A

Notes:

Branch Panel: P-QL

Location: ELEC B-109
Supply From: T-QHL
Mounting: Surface
Enclosure: Type 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	ROOFTOP RECEPTACLE - RTU-1	20 A	1	0.18	1.00					1	20 A	VAV-15	2
3	ROOFTOP RECEPTACLES - CU-01 & CU-02	20 A	1			0.36	1.50			1	20 A	VAVs-05,06,07	4
5	ROOFTOP RECEPTACLES - RTU-1 & RTU-3	20 A	1					0.36	1.00	1	20 A	VP-1	6
7	VAVs-17,18,19	20 A	2	0.75	1.72					2	20 A	CU-01	8
9	--	--	--			0.75	1.72			--	--	--	10
11	VAVs-08,09,34,35	20 A	1					2.00	3.00	1	20 A	VAVs-11,12,14	12
13	CU-02	20 A	2	1.72	1.50					1	20 A	VAVs-02,03,04	14
15	--	--	--			1.72	1.50			2	20 A	VAV-SLP-26	16
17	DC-1	20 A	2					0.50	1.50	--	--	--	18
19	--	--	--	0.50	2.50					2	30 A	X-RAY MACHINE	20
21	SPARE	20 A	1			0.00	2.50			--	--	--	22
23	VAVs-25,29,33	20 A	1					1.50	1.00	2	20 A	VAVs-21,23	24
25	VAV-SLP-24	20 A	2	1.00	1.00					--	--	--	26
27	--	--	--			1.00	1.00			2	20 A	VAVs-16,20	28
29	VAV-10	20 A	3					0.67	1.00	--	--	--	30
31	--	--	--	0.67	0.67					3	20 A	VAV-22	32
33	--	--	--			0.67	0.67			--	--	--	34
35	VAV-32	20 A	3					1.00	0.67	--	--	--	36
37	--	--	--	1.00	1.33					3	20 A	VAV-SLP-13	38
39	--	--	--			1.00	1.33			--	--	--	40
41	MECHANICAL CONTROLS	20 A	1					1.00	1.33	--	--	--	42
		Total Load:		15.52 kVA		15.70 kVA		16.53 kVA					
		Total Amps:		129 A		131 A		138 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	4992 VA	100.00%	4992 VA		
RECEPTACLE	900 VA	100.00%	900 VA	**Total Conn. Load:**	47.76 kVA
MECHANICAL EQUIPMENT	5000 VA	100.00%	5000 VA	**Total Est. Demand:**	19.05 kVA
Spare	1000 VA	100.00%	1000 VA	**Total Conn. Current:**	133 A
MECH EQPMT - COOLING	6864 VA	100.00%	6864 VA	**Total Est. Demand Current:**	53 A
MECH EQPMT - HEATING	29000 VA	1.00%	290 VA		

Notes:

IMPORTANT - DO NOT DISTRIBUTE

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LICENSE
07/22/26
No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

ELECTRICAL SCHEDULES

PROJ: 213-26912-22005
DESN: JKH/RLH
DRWN: RLH
CHKD: RSR

E-604

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Bar measures 1 inch, otherwise drawing is not to scale

VOLTAGE DROP TABLE

		MAXIMUM ALLOWED RUN LENGTH (FT)				
VOLT	AMP	#12	#10	#8	#6	#4
120 1PH	2	330	525	830	1290	2010
	4	165	260	415	645	1005
	6	110	175	275	430	670
	8	80	130	205	320	500
	10	65	105	165	255	400
	12	55	85	135	215	335
	14	45	75	115	180	285
	16	40	65	100	160	250
208 1PH	2	575	910	1435	2240	
	4	285	455	715	1120	
	6	190	300	475	745	
	8	140	225	355	560	
	10	115	180	285	445	695
	12	95	150	235	370	580
	14	80	130	205	320	495
	16	70	110	175	280	435
	18	60	100	155	245	385
	20	55	90	140	220	345
	22	50	80	130	200	315
	24	45	75	115	185	290
277 1PH	2	765	1215	1915	2980	
	4	380	605	955	1490	
	6	255	405	635	990	
	8	190	300	475	745	
	10	150	240	380	595	925
	12	125	200	315	495	770
	14	105	170	270	425	660
	16	95	150	235	370	580
	18	85	135	210	330	515
	20	75	120	190	295	460
	22	65	110	170	270	420
	24	60	100	155	245	385

		MAXIMUM ALLOWED RUN LENGTH (FT)				
VOLT	AMP	#12	#10	#8	#6	#4
208 3PH	2	665	1055	1660	2585	
	4	330	525	830	1290	
	6	220	350	550	860	
	8	165	260	415	645	
	10	130	210	330	515	805
	12	110	175	275	430	670
	14	95	150	235	365	575
	16	80	130	205	320	500
	18	70	115	180	285	445
	20	65	105	165	255	400
	22	60	95	150	235	365
	24	55	85	135	215	335
480 3PH	2	1530	2435			
	4	765	1215			
	6	510	810			
	8	380	605			
	10	305	485	765	1190	1855
	12	255	405	635	995	1545
	14	215	345	545	850	1325
	16	190	300	475	745	1160
	18	170	270	425	660	1030
	20	150	240	380	595	925
	22	135	220	345	540	845
	24	125	200	315	495	770

EQUIPMENT CONNECTIONS SCHEDULE

NAME	PANEL	CKT #	LOAD DESCRIPTION	EQUIPMENT CIRCUIT INFORMATION							FEEDER	DISCONNECT INFORMATION					NAME	NOTES
				V	POLES	Φ	HP	kVA	MCA	MOCP		FURNISHED BY	INSTALLED BY	TYPE	SWITCH RATING	NEMA TYPE		
MECHANICAL																		
CU-01/ FCU-01	P-QL	8,10	CONDENSING UNIT	208	2	1	-	3	17	20	A20	EC	EC	UNFUSED	30 A	3R	CU-01/ FCU-01	
CU-02/ FCU-02	P-QL	13,15	CONDENSING UNIT	208	2	1	-	3	17	20	A20	EC	EC	UNFUSED	30 A	3R	CU-02/ FCU-02	
DC-1	P-QL	17,19	AIR COMPRESSOR	208	2	1	-	1	5	20	A20	EC	EC	UNFUSED	30 A	3R	DC-1	
RTU-1	P-QH	19,21,23	ROOF TOP UNIT	480	3	3	-	75	90	110	C110	EC	EC	UNFUSED	200 A	3R	RTU-1	
RTU-2	P-QH	13,15,17	ROOF TOP UNIT	480	3	3	-	35	42	60	C60	EC	EC	UNFUSED	100 A	3R	RTU-2	
RTU-3	P-QH	14,16,18	ROOF TOP UNIT	480	3	3	-	42	50	80	C80	EC	EC	UNFUSED	100 A	3R	RTU-3	
UH-1	P-LSL	4,6	UNIT HEATER	208	2	1	-	5	24	30	A30	EC	EC	UNFUSED	30 A	1	UH-1	
VAV-01	P-QH	8,10,12	VARIABLE AIR VOLUME	480	3	3	-	12	14	20	B20	EC	EC	UNFUSED	20 A	1	VAV-01	
VAV-02	P-QL	14	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-02	
VAV-03	P-QL	14	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-03	
VAV-04	P-QL	14	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-04	
VAV-05	P-QL	4	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-05	
VAV-06	P-QL	4	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-06	
VAV-07	P-QL	4	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-07	
VAV-08	P-QL	11	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-08	
VAV-09	P-QL	11	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-09	
VAV-10	P-QL	29,31,33	VARIABLE AIR VOLUME	208	3	3	-	2	6	20	B20	EC	EC	UNFUSED	20 A	1	VAV-10	
VAV-11	P-QL	12	VARIABLE AIR VOLUME	120	1	1	-	1	8	20	A20	EC	EC	UNFUSED	20 A	1	VAV-11	
VAV-12	P-QL	12	VARIABLE AIR VOLUME	120	1	1	-	1	8	20	A20	EC	EC	UNFUSED	20 A	1	VAV-12	
VAV-14	P-QL	12	VARIABLE AIR VOLUME	120	1	1	-	1	8	20	A20	EC	EC	UNFUSED	20 A	1	VAV-14	
VAV-15	P-QL	2	VARIABLE AIR VOLUME	120	1	1	-	1	8	20	A20	EC	EC	UNFUSED	20 A	1	VAV-15	
VAV-22	P-QL	32,34,36	VARIABLE AIR VOLUME	208	3	3	-	2	6	20	B20	EC	EC	UNFUSED	20 A	1	VAV-22	
VAV-25	P-QL	23	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-25	
VAV-27	P-GH	10,12,14	VARIABLE AIR VOLUME	480	3	3	-	10	12	20	B20	EC	EC	UNFUSED	20 A	1	VAV-27	
VAV-29	P-QL	23	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-29	
VAV-30	P-GH	4,6,8	VARIABLE AIR VOLUME	480	3	3	-	6	7	20	B20	EC	EC	UNFUSED	20 A	1	VAV-30	
VAV-31	P-GH	7,9,11	VARIABLE AIR VOLUME	480	3	3	-	8	10	20	B20	EC	EC	UNFUSED	20 A	1	VAV-31	
VAV-32	P-QL	35,37,39	VARIABLE AIR VOLUME	208	3	3	-	3	8	20	B20	EC	EC	UNFUSED	20 A	1	VAV-32	
VAV-33	P-QL	23	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-33	
VAV-34	P-QL	11	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-34	
VAV-35	P-QL	11	VARIABLE AIR VOLUME	120	1	1	-	1	4	20	A20	EC	EC	UNFUSED	20 A	1	VAV-35	
VAV-S-16	P-QL	28,30	VARIABLE AIR VOLUME	208	2	1	-	1	5	20	A20	EC	EC	UNFUSED	20 A	1	VAV-S-16	
VAV-S-17	P-QL	7,9	VARIABLE AIR VOLUME	208	2	1	-	1	2	20	A20	EC	EC	UNFUSED	20 A	1	VAV-S-17	
VAV-S-18	P-QL	7,9	VARIABLE AIR VOLUME	208	2	1	-	1	2	20	A20	EC	EC	UNFUSED	20 A	1	VAV-S-18	
VAV-S-19	P-QL	7,9	VARIABLE AIR VOLUME	208	2	1	-	1	2	20	A20	EC	EC	UNFUSED	20 A	1	VAV-S-19	
VAV-S-20	P-QL	28,30	VARIABLE AIR VOLUME	208	2	1	-	1	5	20	A20	EC	EC	UNFUSED	20 A	1	VAV-S-20	
VAV-S-21	P-QL	24,26	VARIABLE AIR VOLUME	208	2	1	-	1	5	20	A20	EC	EC	UNFUSED	20 A	1	VAV-S-21	
VAV-SLP-13	P-QL	38,40,42	VARIABLE AIR VOLUME	208	3	3	-	4	11	20	B20	EC	EC	UNFUSED	30 A	1	VAV-SLP-13	
VAV-SLP-23	P-QL	24,26	VARIABLE AIR VOLUME	208	2	1	-	1	5	20	A20	EC	EC	UNFUSED	20 A	1	VAV-SLP-23	
VAV-SLP-24	P-QL	25,27	VARIABLE AIR VOLUME	208	2	1	-	2	10	20	A20	EC	EC	UNFUSED	20 A	1	VAV-SLP-24	
VAV-SLP-26	P-QL	16,18	VARIABLE AIR VOLUME	208	2	1	-	3	14	20	A20	EC	EC	UNFUSED	20 A	1	VAV-SLP-26	
VP-1	P-QL	6	VACUUM PUMP	120	1	1	-	1	8	20	A20	EC	EC	UNFUSED	20 A	4X	VP-1	
MECHANICAL: 42																		

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	Voltage	Watts	LAMP	Mounting	Height	REMARKS
A	KENALL	RMCD-4-TG-0/0-90L40K-DCC-DV-SYM/9-1	277 V	98 W	LED	CEILING/ RECESSED	PER CEILING	
AE	KENALL	RMCD-4-TG-0/0-90L40K-DCC-DV-SYM/9-1-LEL	277 V	98 W	LED	CEILING/ RECESSED	PER CEILING	SAME AS TYPE 'A' EXCEPT WITH INTEGRAL BATTERY BACK-UP IN ADDITION TO GENERATOR BACKUP
B1	KENALL	RMCD-2-TG-0/0-45L40K-DCC-DV-SYM/9-1	277 V	51 W	LED	CEILING/ RECESSED	PER CEILING	
B1E	KENALL	RMCD-2-TG-0/0-45L40K-DCC-DV-SYM/9-1-LEL	277 V	51 W	LED	CEILING/ RECESSED	PER CEILING	SAME AS TYPE 'B1' EXCEPT WITH INTEGRAL BATTERY BACK-UP IN ADDITION TO GENERATOR BACKUP
B2	KENALL	RMCD-2-TG-0/0-67L40K-DCC-DV-SYM/9-1	277 V	74 W	LED	CEILING/ RECESSED	PER CEILING	
B2E	KENALL	RMCD-2-TG-0/0-67L40K-DCC-DV-SYM/9-1-LEL	277 V	74 W	LED	CEILING/ RECESSED	PER CEILING	SAME AS TYPE 'B2' EXCEPT WITH INTEGRAL BATTERY BACK-UP IN ADDITION TO GENERATOR BACKUP
C	KENALL	RMCA-4-TG-0/0-45L40K-DCC-DV-SYM/B-1	277 V	50 W	LED	CEILING/ RECESSED	PER CEILING	
CE	KENALL	RMCA-4-TG-0/0-45L40K-DCC-DV-SYM/B-1-LEL	277 V	50 W	LED	CEILING/ RECESSED	PER CEILING	SAME AS TYPE 'C' EXCEPT WITH INTEGRAL BATTERY BACK-UP IN ADDITION TO GENERATOR BACKUP
D	KENALL	HADL4S-FF-5FW-11L-40K9-FW-G-RIG4S-277-DIM 1	277 V	13 W	LED	CEILING/ RECESSED	PER CEILING	
DE	KENALL	HADL4S-FF-5FW-11L-40K9-FW-G-RIG4S-277-DIM 1-LEL	277 V	13 W	LED	CEILING/ RECESSED	PER CEILING	SAME AS TYPE 'D" EXCEPT WITH INTEGRAL BATTERY BACK-UP IN ADDITION TO GENERATOR BACKUP
F	KENALL	CD-4-0/0-45L40K-DCC-DV-SYM/B-1	277 V	46 W	LED	CORNER	PER CEILING	
FE	KENALL	CD-4-0/0-45L40K-DCC-DV-SYM/B-1-LEL	277 V	46 W	LED	CORNER	PER CEILING	SAME AS TYPE 'F' EXCEPT WITH INTEGRAL BATTERY BACK-UP IN ADDITION TO GENERATOR BACKUP
G	ACUITY	VRDL4 GB 1000LM MD 40K 80CRI MVOLT PAL AMF	277 V	13 W	LED	CEILING/ RECESSED	PER CEILING	
H	LITHONIA	FMVCSLS-24IN-MVOLT-30K35K40K-90CRI-BN	277 V	18 W	LED	WALL	6 - 0"/ ABOVE MIRROR	BATHROOM VANITY WITH ADJUSTABLE COLOR TEMPERATURE
J	KENALL	MLHA3S-B48-2/M48-E48-F-MW-FA-1000LF-40K8-DIM1-DV	277 V	28 W	LED	CABLE/ CHAIN	10' - 0"	
JE	KENALL	MLHA3S-B48-2/M48-E48-F-MW-FA-1000LF-40K8-DIM1-DV-LEL	277 V	28 W	LED	CABLE/ CHAIN	10' - 0"	SAME AS TYPE 'J' EXCEPT WITH INTEGRAL BATTERY BACK-UP IN ADDITION TO GENERATOR BACKUP
L	KENALL	BHSH-MW-W-SO-30K9-TD-DV-HD	277 V	7 W	LED	WALL/ SURFACE	5 - 0"	WALL MOUNTED TASK LIGHT
M	KENALL	CD-4-0/0-45L40K-DCC-DV-SYM/1-1	277 V	51 W	LED	WALL/ SURFACE	8 - 0"	ANTIMICROBIAL FIXTURE / CLEAN TECHNOLOGY
N	KENALL	MLAS826-PLR-AS-BR-25L40K-DCC-DV	277 V	16 W	LED	WALL/ SURFACE	10' - 0"	
U10	DAY-BRITE	LINCS100EL10935UNVSWHDIM	277 V	3 W	LED	UNDERCABINET	UNDERCABINET	10" UNDER CABINET LED LIGHT. 3500K. 277V.
U19	DAY-BRITE	LINCS100EL19935UNVSWHDIM-OSHL	277 V	5 W	LED	UNDERCABINET	UNDERCABINET	19" UNDER CABINET LED LIGHT. 3500K. 277V.
W	KENALL	H99EL-PP-DB-16L40K-DV	277 V	16 W	LED	WALL/ SURFACE	8' - 0" / ABOVE DOOR	
X1	KENALL	MMEX-1-3-R-DT-1-EL	277 V	5 W	LED	WALL/ SURFACE	8' - 0" / PER CEILING	LED EXIT SIGN WITH EMERGENCY BATTERY BACKUP
X2	KENALL	MMEX-2-3-R-DT-1-EL	277 V	5 W	LED	CEILING/ SURFACE	8' - 0" / PER CEILING	LED EXIT SIGN WITH EMERGENCY BATTERY BACKUP

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PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
ELECTRICAL SCHEDULES

PROJ: 213-26912-22005
DESN: JKH/RLH
DRWN: RLH
CHKD: RSR

E-605

IMPORTANT - DO NOT DISTRIBUTE

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Bar measures 1 inch, otherwise drawing is not to scale

LIGHTING CONTROL MATRIX

NAME	#	OCCUPANCY/VACANCY SENSOR				TARGET fc	SWITCHES			DIMMING				PLUG CONTROL	ELCU & FA RELAY	COMMENTS
		AUTO ON	MANUAL ON	AUTO OFF	TIMEOUT SETTING (MIN)		WALL SWITCH	DIMMING	SCENE CONTROLLER	STEP	CONTINUOUS	MULTI-ZONE	NONE (SWITCHED ONLY)			
(none)																
CORRIDOR	A-100	Yes	No	No	20	5	Yes	No	No	Yes	No	No	No	No	Yes	DIM TO 50% AFTER TIMEOUT
ADMIN. OFF.	A-101	Yes	No	Yes	20	50	Yes	Yes	No	No	Yes	No	No	Yes	No	AUTO ON TO 50%
D.NURS. OFF.	A-102	Yes	No	Yes	20	50	Yes	Yes	No	No	Yes	No	No	Yes	No	AUTO ON TO 50%
ST. TLT	A-103	Yes	No	Yes	20	20	Yes	No	No	No	No	No	Yes	No	No	RESTROOM, AUTO ON TO 100%
STAFF BREAK	A-104	Yes	No	Yes	20	30	Yes	Yes	No	No	Yes	No	No	Yes	No	AUTO ON TO 50%
HEALTHCARE PROVID. OFF.	A-105	Yes	No	Yes	20	30	Yes	Yes	No	No	Yes	No	No	Yes	No	AUTO ON TO 50%
ARCHIVE MED. RECORDS	A-106	Yes	No	Yes	20	20	Yes	Yes	No	Yes	No	No	Yes	No	No	AUTO ON TO 50%
UTILITY	A-107	Yes	No	Yes	20	30	Yes	Yes	No	Yes	No	No	Yes	No	No	AUTO ON TO 50%
STORAGE	A-108	Yes	No	Yes	20	10	Yes	Yes	No	Yes	No	No	Yes	No	No	AUTO ON TO 50%
OFFENDER WAITING	B-100	No	No	No	0	10	Yes	No	No	No	No	No	No	No	Yes	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 5
OFDR TOILET	B-101	No	No	No	0	20	No	No	No	No	No	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 5
HOLDING	B-102	No	No	No	0	10	No	No	No	No	No	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 5
OFFICER WATCH STATION	B-103	Yes	No	No	20	50	Yes	No	No	Yes	No	No	No	No	Yes	DIM TO 50% AFTER TIMEOUT
LACTATION	B-104	Yes	No	Yes	20	30	Yes	Yes	No	No	Yes	No	No	No	No	AUTO ON TO 50%
DENTAL OPERATORY	B-105	Yes	No	Yes	20	100	Yes	Yes	No	No	Yes	No	No	No	Yes	AUTO ON TO 50%
DENTAL LAB	B-106	Yes	No	Yes	20	100	Yes	Yes	No	No	Yes	No	No	No	No	AUTO ON TO 50%
COMP.	B-107	Yes	No	Yes	20	30	Yes	Yes	No	Yes	No	No	No	No	No	AUTO ON TO 50%
PANOREX	B-108	No	No	Yes	20	50	Yes	Yes	No	No	No	No	No	No	No	AUTO ON TO 50%
ELEC	B-109	No	Yes	No	0	30	Yes	No	No	No	No	No	No	No	No	AUTOMATIC CONTROL ENDANGERS OCCUPANT SAFETY
JAN.	B-111	Yes	No	No	20	20	Yes	No	No	No	No	No	Yes	No	No	
MED. STORAGE & SORTING	B-112	Yes	No	Yes	20	50	Yes	Yes	No	No	Yes	No	No	No	Yes	AUTO ON TO 50%
SPECIALTY EXAM	B-113	Yes	No	Yes	20	30	Yes	Yes	No	No	Yes	No	Yes	No	No	AUTO ON TO 50%
MULTI PURP. TREAT.	B-114	No	No	Yes	20	50	Yes	Yes	No	No	Yes	No	Yes	No	No	AUTO ON TO 50%
OFNDR TOILET	B-116	Yes	No	No	0	20	Yes	No	No	No	No	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 4
NURSES ALCOVE	B-117	Yes	No	No	20	50	Yes	No	No	Yes	No	No	No	No	Yes	DIM TO 50% AFTER TIMEOUT
GEN. EXAM	B-118	Yes	No	Yes	20	30	Yes	Yes	No	No	Yes	No	No	No	No	
GEN. EXAM	B-119	Yes	No	Yes	20	30	Yes	Yes	No	No	Yes	No	No	No	No	
SALLYPORT	B-120	Yes	No	No	20	30	Yes	No	No	Yes	No	No	Yes	No	Yes	DIM TO 50% AFTER TIMEOUT
INTERVIEW	B-121	Yes	No	Yes	20	50	Yes	No	No	Yes	No	No	Yes	No	No	AUTO ON TO 50%
PHLEBOTOMY LAB	B-122	Yes	No	Yes	20	50	Yes	Yes	No	No	Yes	No	No	No	No	AUTO ON TO 50%
GEN. EXAM	B-123	Yes	No	Yes	20	30	Yes	Yes	No	No	Yes	No	No	No	No	AUTO ON TO 50%
CORRIDOR	B-124	Yes	No	No	20	10	Yes	No	No	Yes	No	No	No	No	Yes	DIM TO 50% AFTER TIMEOUT
STAFF TOILET	B-125	Yes	No	Yes	20	20	Yes	No	No	No	No	No	Yes	No	No	RESTROOM, AUTO ON TO 100%
MED SUPPLY	B-127	Yes	No	Yes	20	30	Yes	Yes	No	No	No	No	Yes	No	No	AUTO ON TO 50%
CORRIDOR	B-128	Yes	Yes	No	20	10	Yes	Yes	No	Yes	No	No	No	No	Yes	DIM TO 50% AFTER TIMEOUT
CLEAN UTIL.	B-129	No	No	Yes	20	20	Yes	No	No	No	No	No	Yes	No	No	
DAYROOM	C-100	No	No	Yes	0	50	No	No	No	No	Yes	No	No	No	Yes	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1
INTERVIEW	C-101	Yes	No	No	20	50	Yes	No	No	Yes	No	No	Yes	No	No	AUTO ON TO 50%
SPRINKLER ROOM	C-102	No	No	No	0	30	Yes	No	No	No	No	No	Yes	No	No	AUTOMATIC CONTROL ENDANGERS OCCUPANT SAFETY
SHWR/CHNG	C-103	No	No	No	0	20	No	No	No	No	No	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1
SHWR/CHNG	C-104	No	No	No	0	20	No	No	No	No	No	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1
GEN. MED. SINGLE	C-105	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1, 3
GEN. MED. SINGLE	C-106	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1, 3
GEN. MED. SINGLE	C-107	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1, 3
GEN. MED. SINGLE	C-108	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1, 3
ASSIST. LIVG DORM	C-109	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1, 3
ISOLATION ANTEROOM	C-110	Yes	No	Yes	20	20	No	No	No	Yes	No	No	Yes	No	No	AUTO ON TO 50%
SINGLE ISOLATION RM	C-111	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1, 3
SINGLE ISOLATION RM	C-112	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1, 3
JAN.	C-113	No	Yes	Yes	20	20	Yes	No	No	No	No	No	Yes	No	No	
STAFF TOILET	C-114	Yes	No	Yes	10	20	Yes	No	No	No	No	No	Yes	No	No	RESTROOM, AUTO ON TO 100%
FRESH AIR COURT	C-115	No	No	No	0	20	No	No	No	No	No	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1
STOR.	C-116	No	Yes	Yes	20	20	Yes	No	No	No	No	No	Yes	No	No	
DATA	C-117	No	No	No	0	50	Yes	No	No	No	No	No	Yes	No	No	AUTOMATIC CONTROL ENDANGERS OCCUPANT SAFETY
CORRIDOR	C-118	Yes	No	No	20	10	Yes	No	No	Yes	No	No	No	No	Yes	DIM TO 50% AFTER TIMEOUT
IN-PATIENT MED. STOR.	C-119	Yes	No	Yes	20	50	Yes	No	No	No	No	No	Yes	No	No	AUTO ON TO 50%
CORR.	C-120	Yes	No	No	20	10	Yes	No	No	Yes	No	No	No	No	Yes	DIM TO 50% AFTER TIMEOUT
PCO DAYROOM	D-100	No	No	No	0	50	No	No	No	No	Yes	No	No	No	Yes	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1
PCO OBS	D-101	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1
PCO OBS	D-102	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1
PCO OBS	D-103	No	No	No	0	20	No	No	No	No	Yes	No	No	No	No	SECURITY AREA TO BE CONTINUOUSLY LIGHTED, NOTE 1

NOTES:

1. LIGHTING SHALL HAVE NO LOCAL CONTROLS. CONTROL SHALL BE ACCOMPLISHED FROM THE LIGHTING CONTROLLER AT SECURITY/NURSES WORKSTATION. CONTROL SHALL CONSIST OF ON/OFF AND DIMMING CONTROL. ON/OFF CONTROL SHALL ALSO BE CAPABLE OF BEING ACHIEVED FROM AN EXTERNAL SECURITY SYSTEM VIA PREPROGRAMMED INPUTS.
2. UNDERCABINET LIGHTING SHALL HAVE ON/OFF OCCUPANCY CONTROL FROM THE GENERAL ROOM LIGHTING OCCUPANCY SENSOR. MANUAL CONTROL SHALL BE ACHIEVED BY THE LINE-VOLTAGE SWITCH(ES) SHOWN BY THE UNDERCABINET LIGHTING. WHEN THE OCCUPANCY SENSOR TIMES OUT, THE UNDERCABINET LIGHTING SHALL TURN OFF REGARDLESS OF MANUAL CONTROL STATE.
3. TASK LIGHTING BY BEDS SHALL BE CONTROLLED VIA FIXTURE CAPACTIVE TOUCH CONTROLS ONLY.
4. SWITCH LOCATED ON EXTERIOR OF ROOM. PROVIDE PILOT LIGHT OR OTHER MEANS TO INDICATE IF LIGHTS ARE ON OR OFF.
5. LIGHTING SHALL HAVE NO LOCAL CONTROLS. CONTROL SHALL BE ACCOMPLISHED FROM THE LIGHTING CONTROLLER AT THE OFFICER WATCH STATION. CONTROL SHALL CONSIST OF ON/OFF.

GENERAL NOTES:

1. LIGHTING CONTROL MATRIX INDICATES DESIRED CONTROL SCHEME AND PROGRAMMING FOR EACH SPACE. REFER TO LIGHTING FLOOR PLANS FOR LOCATIONS, TYPES, AND QUANTITIES OF FIXTURES AND CONTROL DEVICES.
2. COORDINATE AND CONDUCT A LIGHTING CONTROL SYSTEM PRE-INSTALLATION MEETING WITH THE APPROVED SYSTEM MANUFACTURER REPRESENTATIVE(S), OWNER'S REPRESENTATIVE(S), GENERAL CONTRACTOR, AND THE DESIGN TEAM TO REVIEW THE LIGHTING CONTROL MATRIX, COMPONENT LAYOUTS, AND MANUAL CONTROL STATION DETAILS PRIOR TO THE START OF THE SYSTEM INSTALLATION.
3. LIGHTING CONTROL SYSTEM START-UP, COMMISSIONING, AND OWNER-TRAINING SHALL BE PROVIDED BY A MANUFACTURER-TRAINED REPRESENTATIVE.
4. LIGHTING FIXTURES AND DEVICES PROVIDED AS PART OF THIS PROJECT SHALL BE COMPATIBLE WITH AND WIRED TO ACCEPT THE APPROVED DIGITAL LIGHTING CONTROL SYSTEM.
5. PROVIDE MANUFACTURER ENGRAVED PUSH-BUTTON STATION. DIRECTION OF WORDING OF ENGRAVINGS SHALL BE PROVIDED BY OWNER.
6. DISPLAY OWNER'S LOGO ON TOUCHSCREEN HOMESCREEN. LOGO IN JPEG FORMAT SHALL BE PROVIDED BY OWNER DURING SYSTEM PROGRAMMING.
7. COORDINATE ROOM NAMING AND NUMBERING CONVENTIONS WITHIN LIGHTING CONTROL SOFTWARE WITH OWNER PRIOR TO FINAL SYSTEM PROGRAMMING AND TURNOVER. ARCHITECTURAL CONSTRUCTION DRAWINGS SHALL NOT BE ASSUMED TO BE CORRECT FOR FINAL ROOM NAMING AND NUMBERING CONVENTIONS.

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DRWN:	RLH
CHKD:	RSR

E-606

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Bar measures 1 inch, otherwise drawing is not to scale

TELECOMMUNICATIONS SYMBOLS

- GROUND BUS BAR
- A/V BOX - PROVIDE 2" CONDUIT TO CEILING SPACE
- DATA, +18" UON - BACKBOX ONLY. PROVIDE 1-1/4" CONDUIT TO NEAREST CABLE TRAY
- POWER AND DATA IN RECESSED FLOOR BOX - PROVIDE DATA CABLING AS INDICATED ON TELECOMMUNICATIONS DRAWINGS.
- JUNCTION BOX, WALL MOUNTED
- CONDUIT TURN UP
- CONDUIT TURN DOWN
- CONDUIT STUB-UP AND CAP, TERMINATION
- TELECOMMUNICATIONS BACKBOARD
- BASKET TYPE CABLE TRAY
- LADDER TYPE CABLE TRAY
- IC — INTERCOM REMOTE STATION
- EL — ELECTRIFIED DOOR LOCKSET
- DS — DOOR POSITION CONTACT SWITCH
- S — PUBLIC ADDRESS SPEAKER
- 2-POST TELECOMMUNICATIONS RACK
- BASKET - TYPE CABLE TRAY, SIZE AS NOTED
- CCTV SECURITY CAMERA - BACKBOX AND DATA LOCATION: WALL MOUNTED
- CCTV SECURITY CAMERA - BACKBOX AND DATA LOCATION: CEILING MOUNTED
- EMERGENCY PANIC BUTTON

NURSE CALL SYMBOLS

- M — MASTER STATION
- HR — HILL ROHM BED RECEPTACLE
- CB — CODE BLUE CALL STATION
- E — EMERGENCY CALL STATION
- DS — DUTY STATION
- P — PATIENT STATION
- P2 — DOUBLE PATIENT STATION
- SH — SHOWER STATION
- R — STAFF REGISTER STATION
- EP — TOILET EMERGENCY PULL CORD STATION
- NURSE CALL DOME LIGHT: CEILING MOUNTED
- NURSE CALL DOME LIGHT: WALL MOUNTED
- NURSE CALL DOME ZONE LIGHT: CEILING MOUNTED
- NCC — NURSE CALL CONTROL PANEL

HATCHING SYMBOL LEGEND

- DEMOLITION - HATCHED AREAS INDICATE EXISTING ELECTRICAL EQUIPMENT/DEVICES TO BE DEMOLISHED OR REMOVED
- OUT OF SCOPE - SHADED AREAS INDICATE AREAS OUT OF SCOPE, UON

ABBREVIATIONS

#	NUMBER
°	DEGREES
Ø	DIAMETER
ACP	ACCESS CONTROL PANEL
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR TO CENTERLINE
AFG	ABOVE FINISHED GRADE TO CENTERLINE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARNEC	U.S. ARMY RESERVE NETWORK ENTERPRISE CENTER
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BCG	BARE COPPER GROUND
BLDG	BUILDING
C	CONDUIT
CAT	CATEGORY
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFGI	CONTRACTOR FURNISHED, GOVERNMENT INSTALLED
CH	COUNTER HEIGHT
CKT	CIRCUIT
CLG	CEILING
CO	CONTRACTING OFFICER
COMM	COMMUNICATION
CTB	COMPUTER TERMINAL BACKBOARD
CU	COPPER
CUPP	COPPER PATCH PANEL
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
DN	DOWN
EF	EXHAUST FAN (MECHANICAL EQUIPMENT)
EGB	ELECTRIC GROUND BAR
EIA	ELECTRONIC INDUSTRIES ALLIANCE
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
EOR	ENGINEER OF RECORD
EUH	ELECTRICAL UNIT HEATER
EX	EXISTING DEVICE TO REMAIN
EXT	EXTERIOR
FL	FLOOR
FO	FIBER OPTIC
FOPP	FIBER OPTIC PATCH PANEL
FT	FEET
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
GND	GROUND
HH	HANDHOLE
I/O	INPUT/OUTPUT
IAW	IN ACCORDANCE WITH

ABBREVIATIONS

IDP	INTRUSION DETECTION PANEL
IDS	INTRUSION DETECTION SYSTEM
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
ITN	INFORMATION TRANSFER NODE
JB	JUNCTION BOX
LB	POUND
LC	LUCENT CONNECTOR
LCU	LIGHTING CONTROL UNIT
LTG	LIGHTING
MAX	MAXIMUM
MCP	MAIN CONTROL PANEL
MGB	MAIN GROUND BAR
MIN	MINIMUM
MM	MULTI MODE
N1	NEMA 1 ENCLOSURE
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OSP	OUTSIDE PLANT
PNL	PANEL
POE	POWER OVER ETHERNET
RE	RELOCATE DEVICE INDICATED
RGS	RIGID STEEL CONDUIT
RM	ROOM
RMU	RACK MOUNT UNIT
SBB	SECONDARY BOND BUSBAR
SM	SINGLE MODE
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BACKBOARD
TGB	TELECOMMUNICATIONS GROUND BAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TMGB	TELECOMMUNICATIONS MAIN GROUND BAR
TTB	TELEPHONE TERMINAL BACKBOARD
TYP	TYPICAL
UFC	UNIFIED FACILITIES CRITERIA
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
W/	WITH
WAP	WIRELESS ACCESS POINT
WID	WIRELESS INTRUSION DEVICE
WKST	WORKSTATION
WP	WEATHERPROOF
XFMR	TRANSFORMER

GENERAL NOTES:

1. TELECOMMUNICATIONS LEGEND IS GENERIC. NOT ALL ITEMS NOTED ARE IN THE PROJECT.
2. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE REQUIREMENTS OF NFPA 70 AND ALL OTHER REQUIREMENTS STATED HEREIN AND IN THE TECHNICAL SPECIFICATIONS FOR THIS PROJECT.
3. COORDINATE FINAL LOCATION OF TELECOMMUNICATIONS FIXTURES AND PATHWAYS WITH MECHANICAL, ELECTRICAL AND OTHER DISCIPLINES TO ENSURE PROPER LOCATION AND ADEQUATE CLEARANCES.
4. ALL TELECOMMUNICATION RACKS, PATCH PANELS, CABLE TRAYS, CONDUITS, CABINETS AND OTHER COMPONENTS AS REQUIRED SHALL BE PROPERLY BONDED AND GROUNDED.
5. MOUNT TELECOMMUNICATION WALL OUTLETS:
   A. ALL ADMINISTRATIVE AREAS - 18" AFF, UON.
   B. ALL INDUSTRIAL & SHOP AREAS - 48" AFF, UON.
   C. ALL TELEPHONE WALL OUTLETS - 48" AFF, UON.
   D. ALL TELEPHONE WEATHERPROOF ENCLOSURES - 48" AFF, UON.
6. FLOOR MOUNTED TELECOMMUNICATION OUTLETS SHALL BE INSTALLED IN A COMMON FLOOR BOX WITH ELECTRICAL POWER RECEPTACLES. INSTALLED LOCATION SHALL BE COORDINATED WITH THE FURNITURE PLAN FOR THAT ROOM/AREA.
7. ALL PATCH PANEL LABELS / DIRECTORIES SHALL BE TYPE-WRITTEN IN ENGLISH AND SHALL BE COMPLETE. LABEL AT SOURCE AND DESTINATION SHALL MATCH. ALL LABELING SHALL COMPLY WITH ANSI/TIA 606 STANDARDS.
8. ALL CONDUIT PENETRATIONS THRU FIRE RATED WALLS SHALL BE SEALED / FIRE STOPPED AT BOTH ENDS WITH RE-ENTERABLE MECHANICAL FIRE STOP ASSEMBLIES.
9. THE CONTRACT DOCUMENTS ARE DIAGRAMMATIC IN NATURE AND NOT EVERY DETAIL OR EXACT LOCATION OF EQUIPMENT AND/OR CONDUIT IS SHOWN. VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE COMMENCING ANY FABRICATION, ORDERING ANY MATERIAL OR PERFORMING ANY WORK. NOTIFY THE ENGINEER OF RECORD OF ANY CONDITIONS OR DIMENSIONS WHICH WOULD AFFECT THE PERFORMANCE OF WORK IN ACCORDANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS.
10. REFER TO THE RESPECTIVE 'x-001' DISCIPLINE SPECIFIC LEGEND, ABBREVIATIONS, AND GENERAL NOTES SHEETS FOR ITEMS, SYMBOLS, AND TERMINOLOGY UNIQUE TO EACH DISCIPLINE.

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LICENSE
07/22/26
No. 29078
DELAWARE
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

COMMUNICATION LEGEND, ABBREVIATION AND GENERAL NOTES

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-001

IMPORTANT - DO NOT DISTRIBUTE
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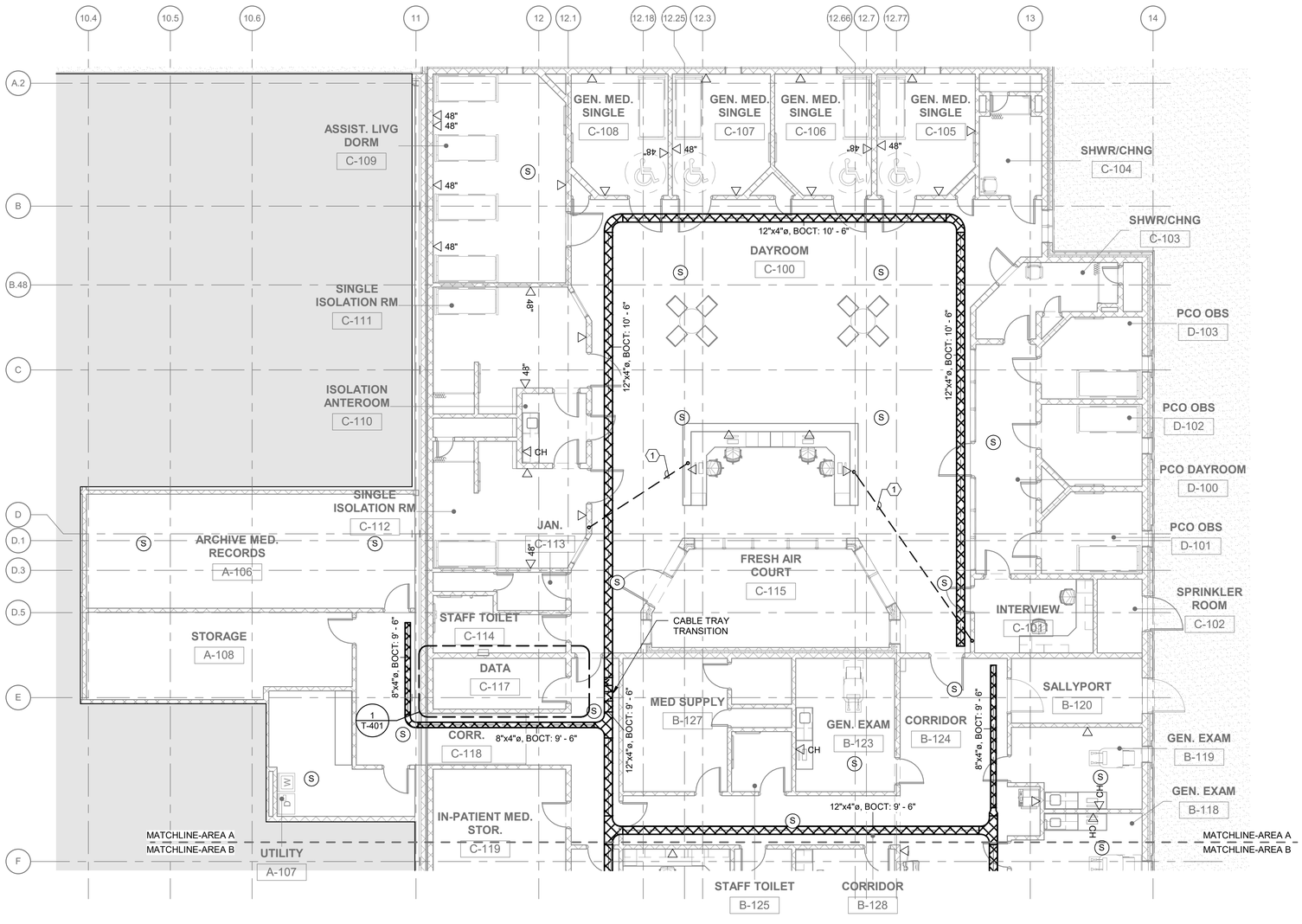
Bar measures 1 inch, otherwise drawing is not to scale

GENERAL NOTES:

1. SEE SHEET T-001 FOR GENERAL TELECOMMUNICATIONS NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. TELECOMMUNICATIONS PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST. CONTRACTOR SHALL INSPECT AND SURVEY THE SPACE PRIOR TO PERFORMING WORK.
3. ANY DATA OR COMMUNICATIONS OUTLETS SHALL BE WITHIN 12" OF POWER RECEPTACLES. REFER TO E-SERIES DRAWINGS FOR LOCATIONS OF RECEPTACLES.
4. MAINTAIN A MINIMUM OF 12" OF SEPARATION BETWEEN COMMUNICATIONS AND POWER CABLING WHERE NOT IN CONDUIT.
5. ALL CABLE SHALL BE PLENUM RATED.
6. PROVIDE FIRE-RATED RE-ENTERABLE CABLE TRAY WALL PENETRATION SLEEVE AT EACH POINT WHERE TRAY PENETRATES WALLS.

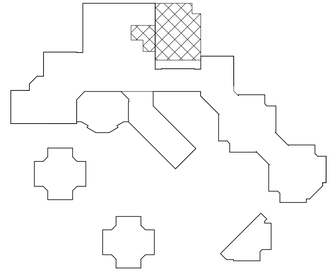
KEY NOTES:

1 PROVIDE 3"C CONDUIT FROM ACCESSIBLE CEILING CABLE TRAY TO NURSE'S/SECURITY WORKSTATION(S).



1 / T-101 FIRST FLOOR COMMINICATIONS PLAN-AREA A

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



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR COMMUNICATIONS PLAN - AREA A NEW WORK

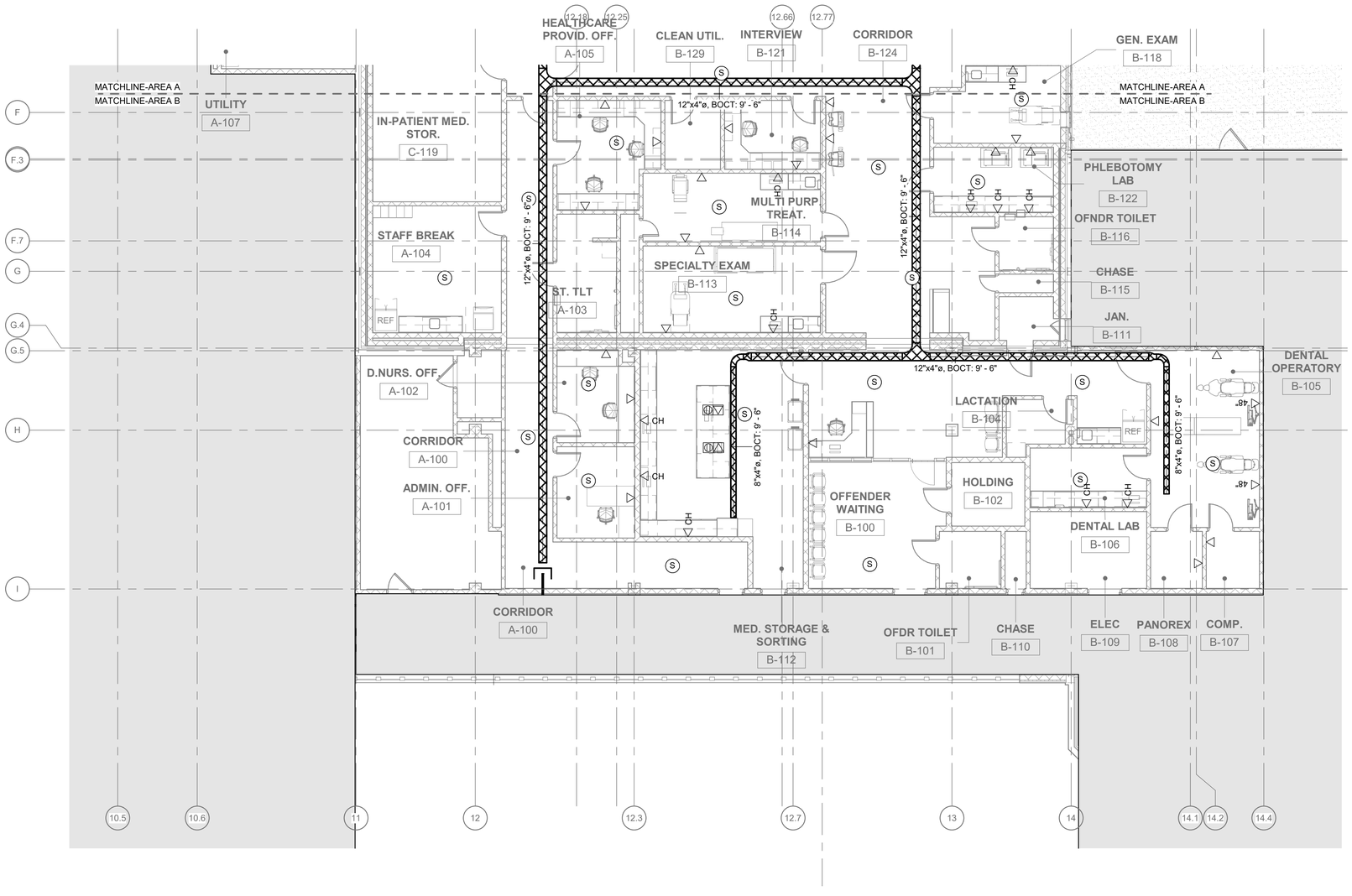
PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-101

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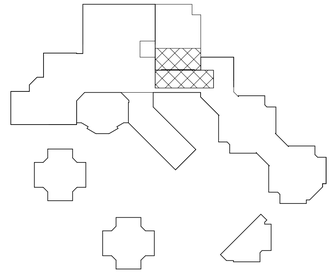


1 T-102 FIRST FLOOR COMMINICATIONS PLAN-AREA B

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

GENERAL NOTES:

1. SEE SHEET T-001 FOR GENERAL TELECOMMUNICATIONS NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. TELECOMMUNICATIONS PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST. CONTRACTOR SHALL INSPECT AND SURVEY THE SPACE PRIOR TO PERFORMING WORK.
3. ANY DATA OR COMMUNICATIONS OUTLETS SHALL BE WITHIN 12" OF POWER RECEPTACLES. REFER TO E-SERIES DRAWINGS FOR LOCATIONS OF RECEPTACLES.
4. MAINTAIN A MINIMUM OF 12" OF SEPARATION BETWEEN COMMUNICATIONS AND POWER CABLING WHERE NOT IN CONDUIT.
5. ALL CABLE SHALL BE PLENUM RATED.
6. PROVIDE FIRE-RATED RE-ENTERABLE CABLE TRAY WALL PENETRATION SLEEVE AT EACH POINT WHERE TRAY PENETRATES WALLS.



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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MARK	DATE	DESCRIPTION
1	07/27/26	ISSUED FOR BID

BY: JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR COMMUNICATIONS PLAN - AREA B NEW WORK

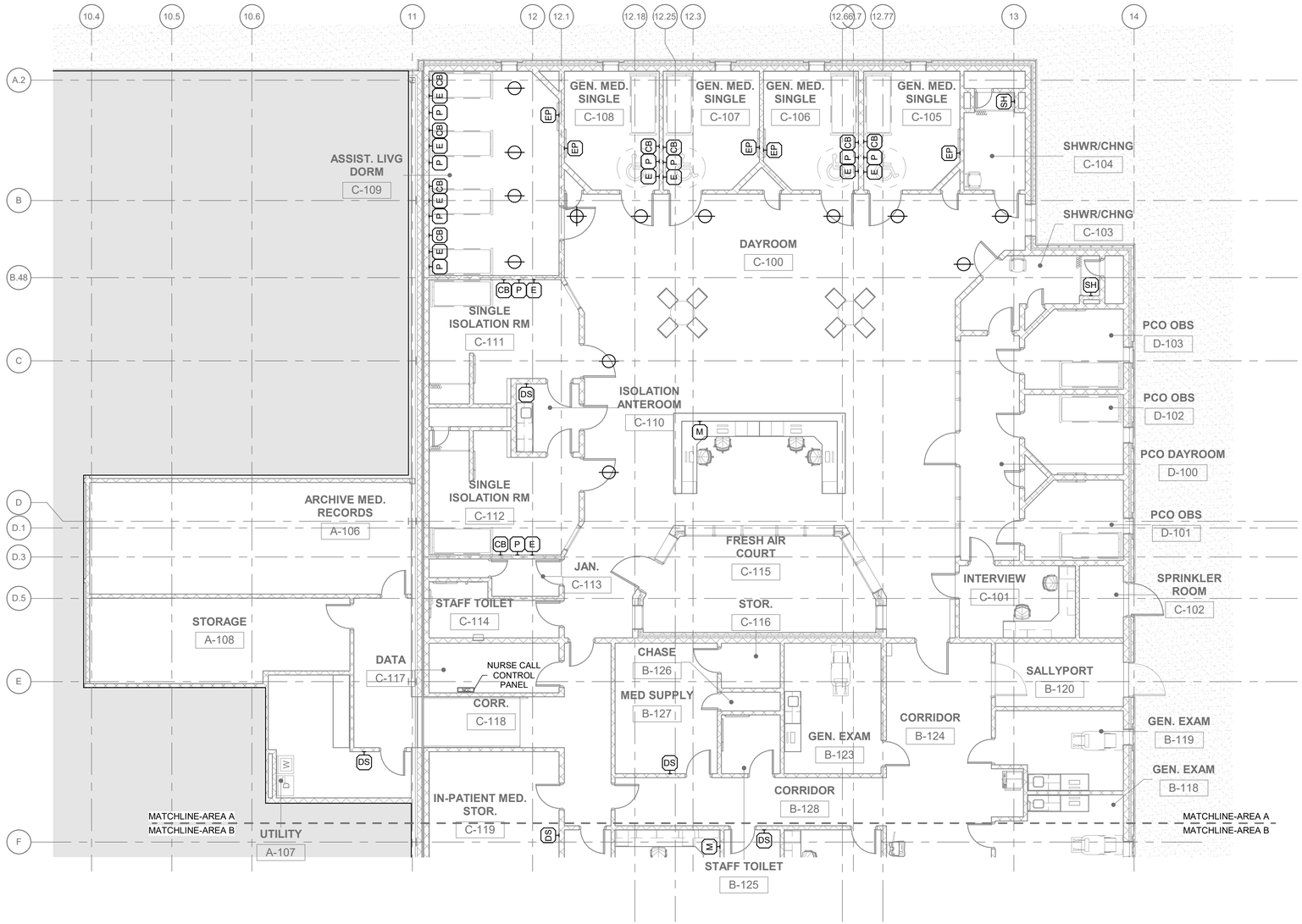
PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-102

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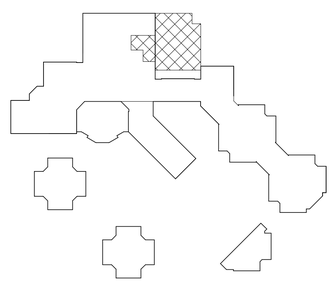
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Bar measures 1 inch, otherwise drawing is not to scale



1 / T-103 FIRST FLOOR NURSE CALL PLAN-AREA A

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



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR NURSE CALL PLAN - AREA A NEW WORK

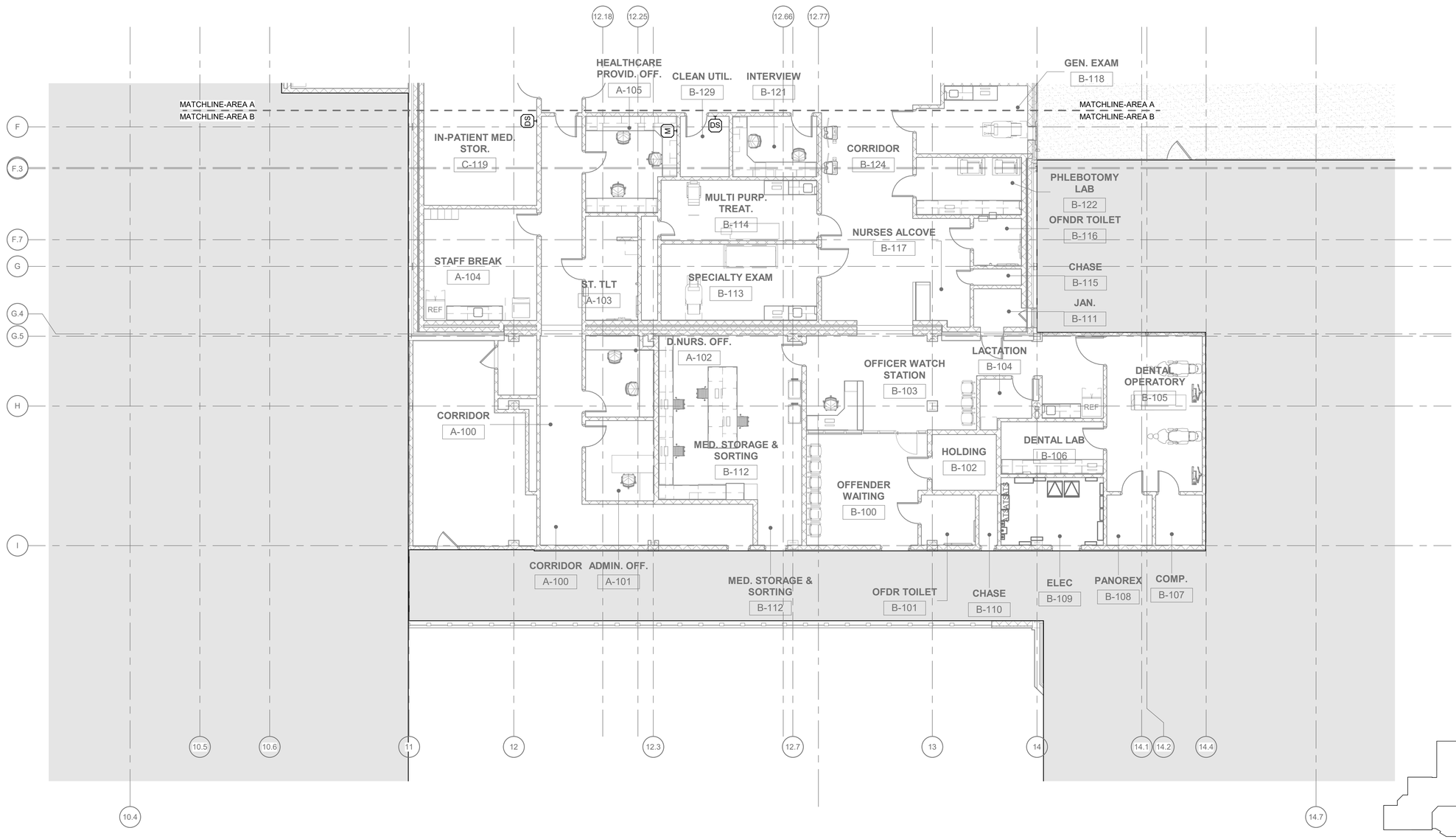
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DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-103

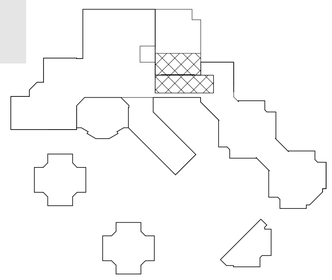
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Bar measures 1 inch, otherwise drawing is not to scale



1 T-104 FIRST FLOOR NURSE CALL PLAN-AREA B
SCALE: 1/8" = 1'-0"



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'
SCALE: 1/8" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR NURSE CALL PLAN - AREA B NEW WORK

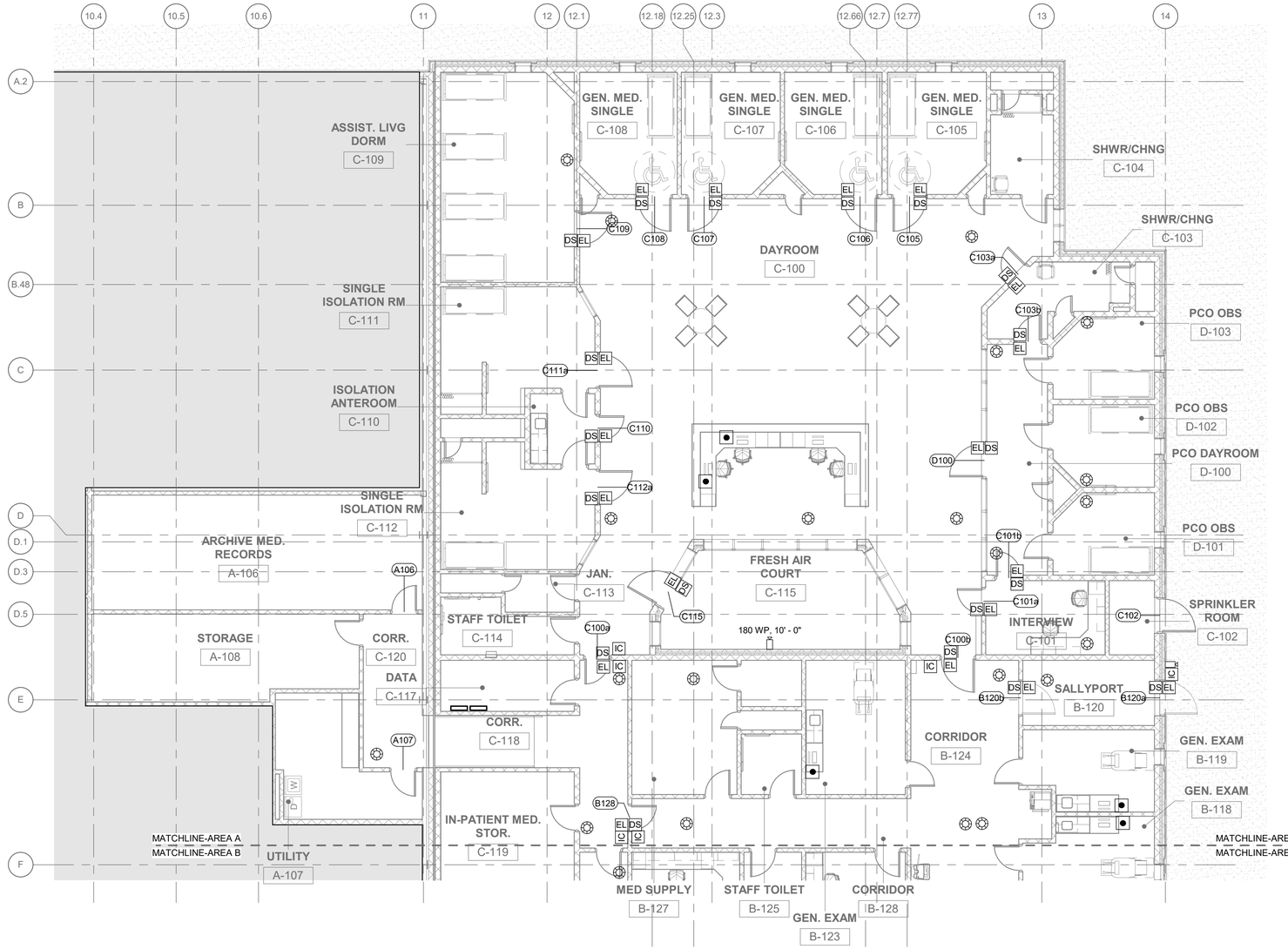
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DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-104

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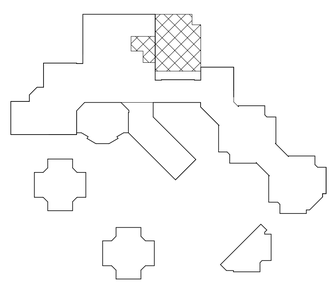
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Bar measures 1 inch, otherwise drawing is not to scale



1 T-105 FIRST FLOOR SECURITY PLAN-AREA A

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



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRST FLOOR SECURITY PLAN - AREA A NEW WORK

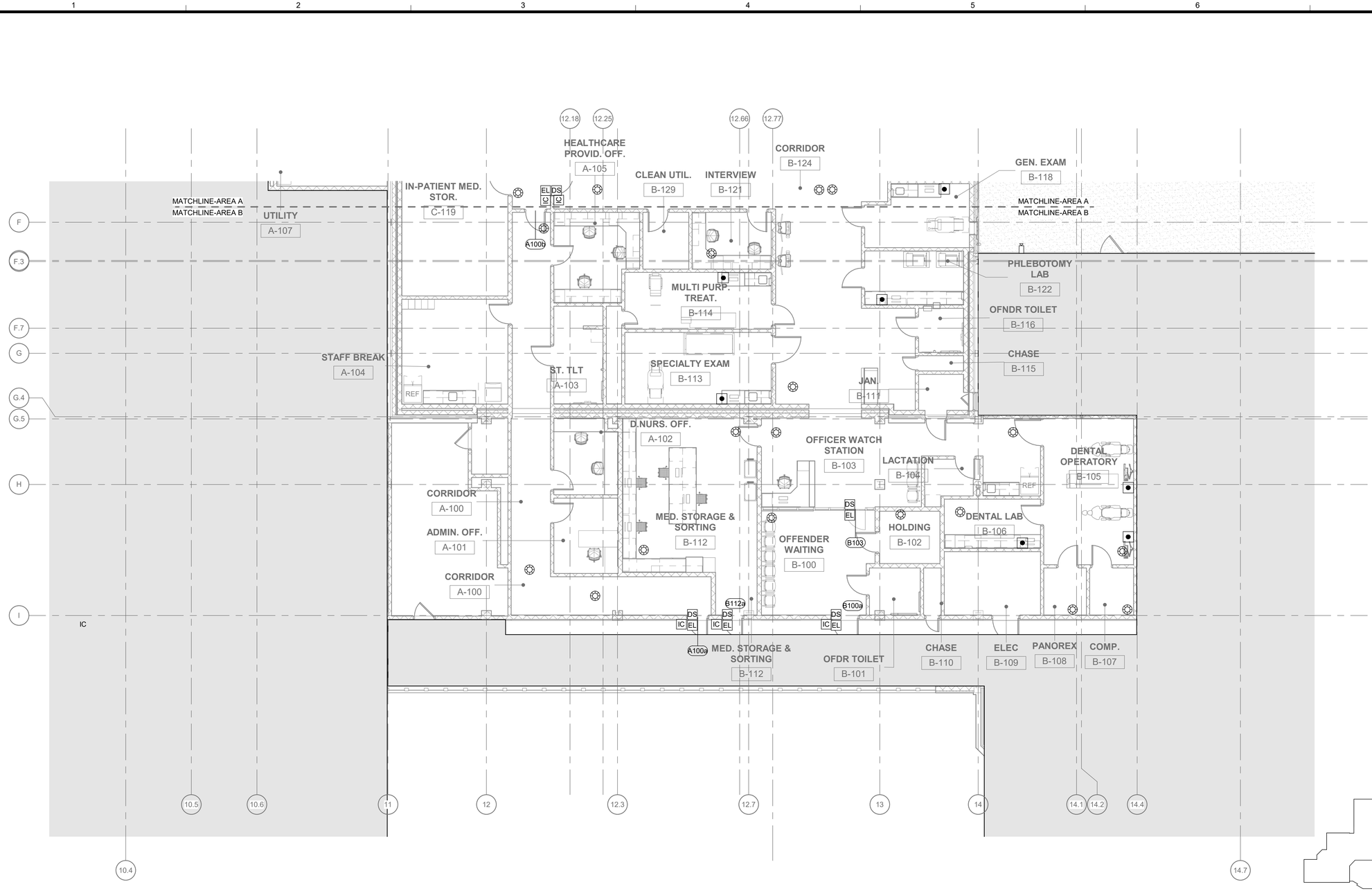
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DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-105

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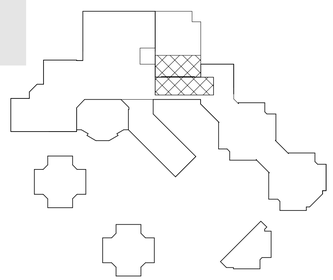
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Bar measures 1 inch, otherwise drawing is not to scale



1 T-106 FIRST FLOOR SECURITY PLAN-AREA B

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



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16'

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

IMPORTANT - DO NOT DISTRIBUTE

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MARK	DATE	DESCRIPTION
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BY JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
FIRST FLOOR SECURITY PLAN - AREA B NEW WORK

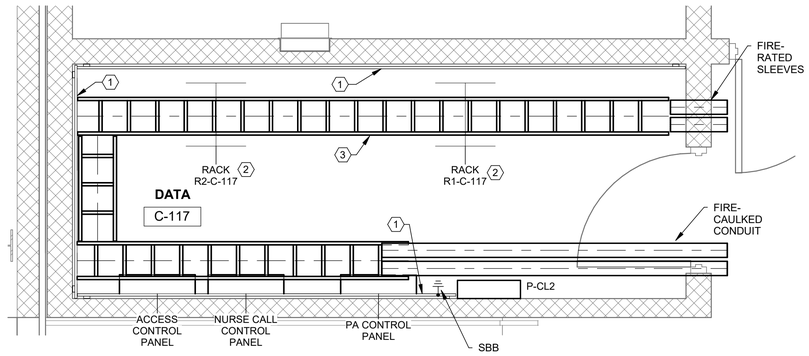
PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-106

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Bar measures 1 inch, otherwise drawing is not to scale



1 T-401 ENLARGED TELECOMMUNICATION PLAN - DATA C-117

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

GENERAL NOTES:

1. SEE SHEET T-001 FOR GENERAL TELECOMMUNICATIONS NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. TELECOMMUNICATIONS PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST. CONTRACTOR SHALL INSPECT AND SURVEY THE SPACE PRIOR TO PERFORMING WORK.
3. ANY DATA OR COMMUNICATIONS OUTLETS SHALL BE WITHIN 12" OF POWER RECEPTACLES. REFER TO E-SERIES DRAWINGS FOR LOCATIONS OF RECEPTACLES.
4. MAINTAIN A MINIMUM OF 12" OF SEPARATION BETWEEN COMMUNICATIONS AND POWER CABLING WHERE NOT IN CONDUIT.
5. ALL CABLE SHALL BE PLENUM RATED.
6. PROVIDE FIRE-RATED RE-ENTERABLE CABLE TRAY WALL PENETRATION SLEEVE AT EACH POINT WHERE TRAY PENETRATES WALLS.

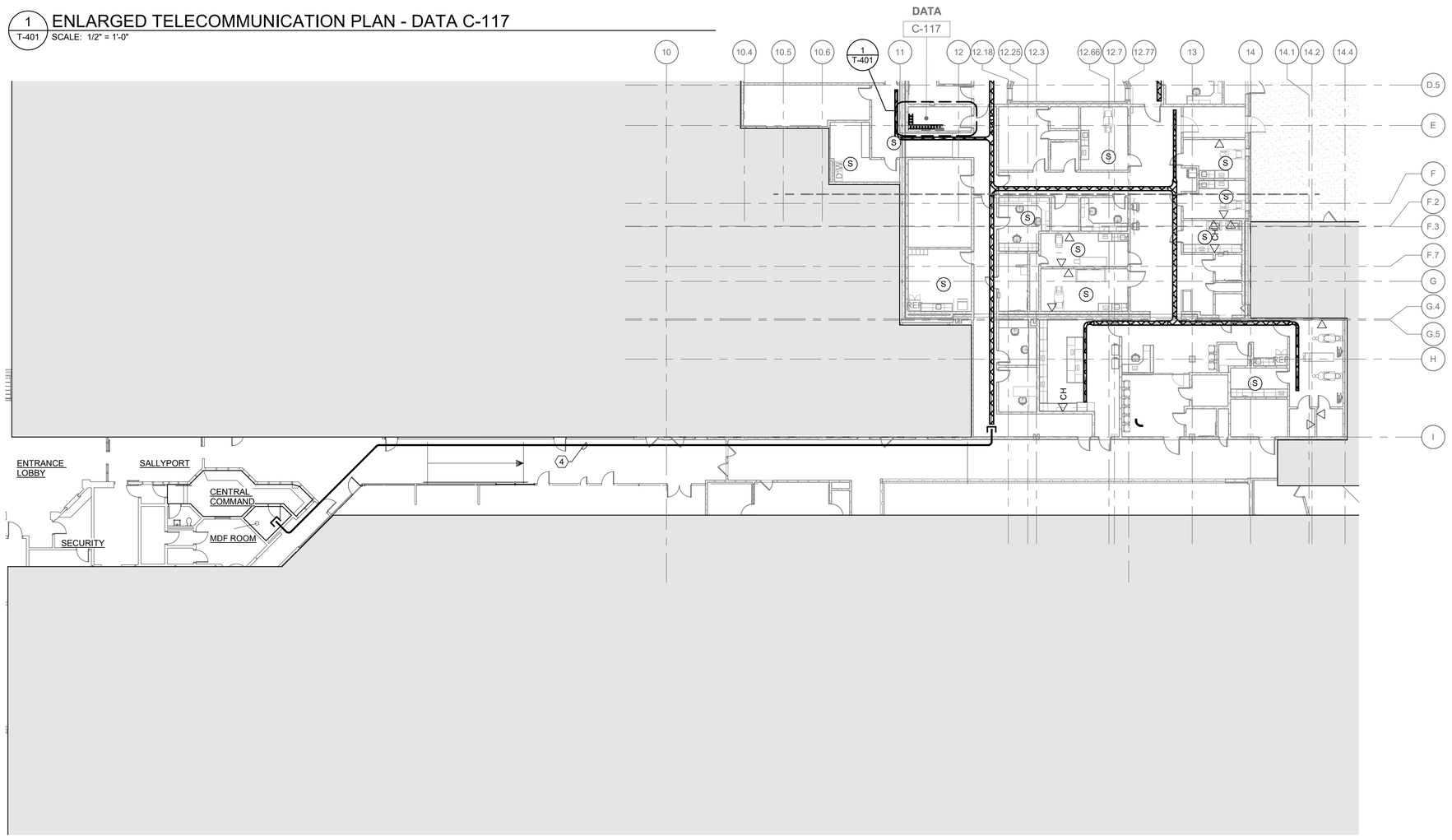
KEY NOTES:

1 WALL-MOUNTED, PAINTED, FIRE-RESISTANT PLYWOOD. INSTALL ON WALLS INDICATED.

2 2-POST, 96" HIGH RACK WITH 51RU OF MOUNTING SPACE. SUITABLE FOR MOUNTING 19"W EQUIPMENT. BASE SHALL BE PREDRILLED.

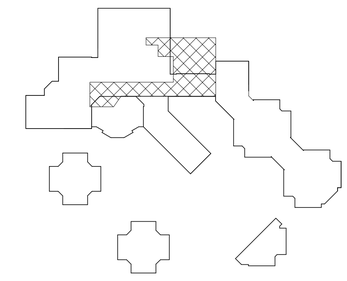
3 12"W LADDER RACK MOUNTED 6" ABOVE TOP OF TELECOMMUNICATIONS RACK. PROVIDE WATERFALL FITTINGS FROM LADDER RACK DOWN TO RACKS.

4 ROUTE ABOVE ACCESSIBLE CEILING. ADJUST ROUTING AS NEEDED TO AVOID EXISTING OBSTRUCTIONS. SIZE AS INDICATED ON T-601.



2 T-401 PARTIAL FIRST FLOOR COMMINICATIONS PLAN

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



KEY PLAN: NTS

PLAN NORTH

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

16' 0' 16' 32'
SCALE: 1/16" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

PARTIAL
TELECOMMUNICATION FLOOR
PLANS

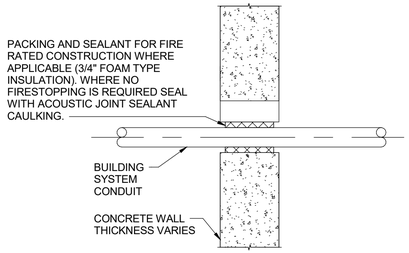
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CHKD:	RSR

T-401

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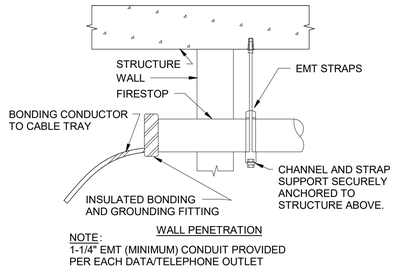
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Bar measures 1 inch, otherwise drawing is not to scale



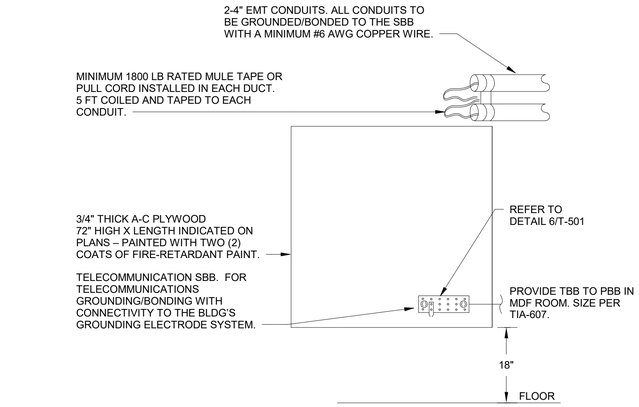
1 T-501 TYPICAL ACCOUSTICAL CONDUIT PENETRATION DETAIL THRU-MASONRY WALL

SCALE: NTS



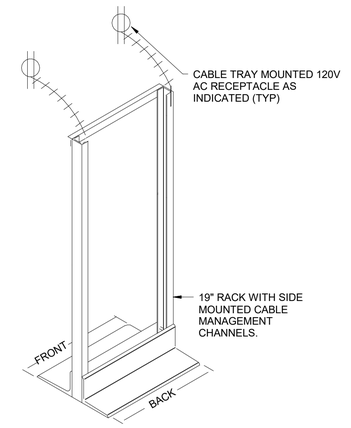
2 T-501 TYPICAL WALL PENETRATION DETAIL COMMUNICATIONS CABLING

SCALE: NTS



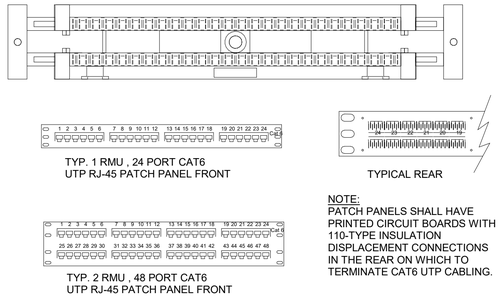
3 T-501 TYPICAL COMMUNICATIONS BACKBOARD DETAIL

SCALE: NTS



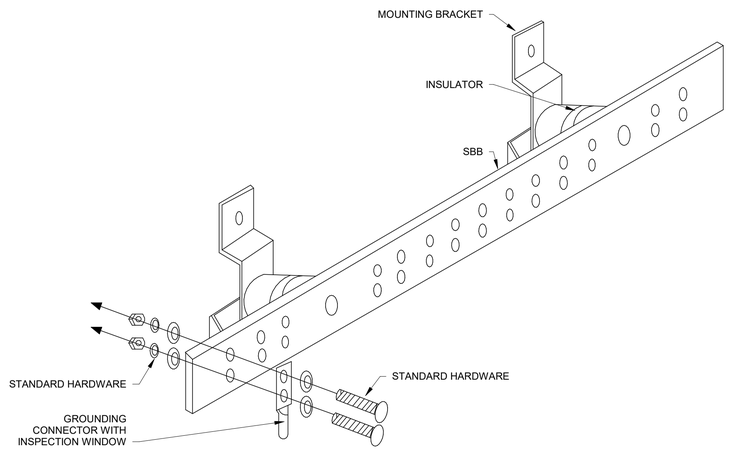
4 T-501 TYPICAL TWO POST RACK DETAIL

SCALE: NTS



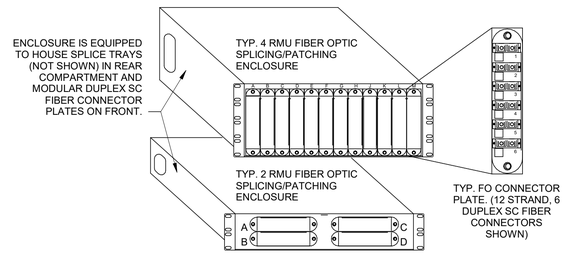
5 T-501 TYPICAL PATCH PANEL DETAIL

SCALE: NTS



6 T-501 TYPICAL SBB DETAIL

SCALE: NTS



7 T-501 TYPICAL RACK-MOUNTED FO PATCH PANELS DETAIL

SCALE: NTS

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JOSEPH K. HOOVER LICENSE 07/22/26 No. 29078 DELAWARE PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

COMMUNICATION DETAILS

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

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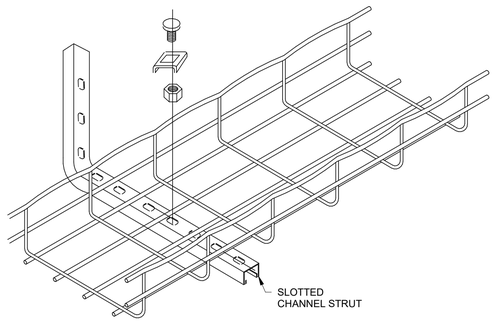
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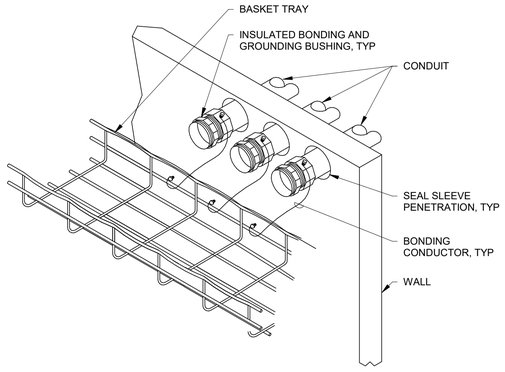
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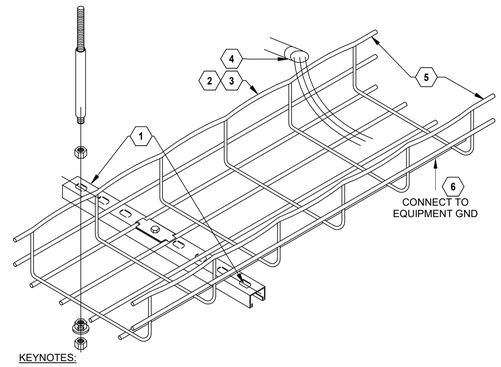
Bar measures 1 inch, otherwise drawing is not to scale



1 T-502 TYPICAL BASKET TRAY WALL MOUNTED DETAIL
SCALE: NTS



2 T-502 TYPICAL CONDUIT PENETRATION OF WALL
WALL TO BASKET TRAY DETAIL
SCALE: NTS



KEYNOTES:

1. PROVIDE HANGER AND SUPPORT HARDWARE ATTACHED TO BUILDING STRUCTURE. PROVIDE COMPONENETS PER MANUFACTURER'S RECOMMENDATIONS. ALL SUPPORT HANGERS SHALL SUPORT THE FULL WIDTH OF THE BASKET TRAY AT RECOMMENDED INTERVALS.
2. PROVIDE BASKET TRAY IN SIZES AS INDICATED ON PLANS. IF NO SIZE IS INDICATED PROVIDE 12" WIDE BY 4" HIGH.
3. PROVIDE MULTIPLE OR LARGER SIZE BASKET TRAY WHERE REQUIRED TO SUPPORT ADDITIONAL CABLING.
4. ROUTE CONDUITS AND LOCATE BASKET TRAY AND CABLING FOR UNRESTRICTED ACCESS TO BASKET TRAY TOP. MOUNT BASKET TRAY TO PROVIDE MIN 12" ACCESS ABOVE BASKET TRAY.
5. PROVIDE CONTINUOUS BASKET TRAY USING MANUFACTURER'S APPROVED FITTINGS FOR ALL TRANSITIONS.
6. PROVIDE ELECTRICAL GROUND CONNECTION EVERY 50 FT PER ANSI J STANDARD 607-A REQUIREMENTS. PROVIDE GROUND CONDUCTOR OR APROVED GROUNDING HARDWARE TO BOND ALL BASKET TRAY SEGMENTS TO FORM A CONTINUOUS GROUNDING PATH.

3 T-502 TYPICAL BASKET TRAY DETAIL
SCALE: NTS

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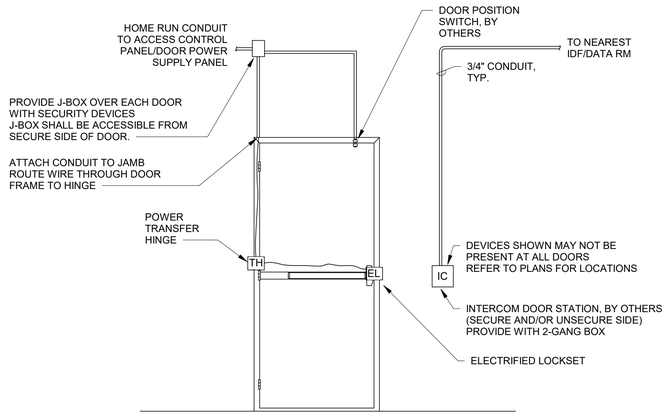
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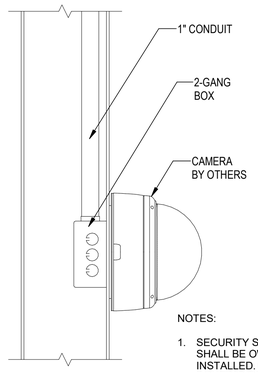


NOTES:

1. SECURITY AND INTERCOM SYSTEM WIRING AND DEVICES SHALL BE OWNER FURNISHED, OWNER INSTALLED. COORDINATE LOCATION AND ROUTING OF SECURITY SYSTEM INFRASTRUCTURE WITH OWNER'S SECURITY CONTRACTOR.

1 T-503 TYPICAL ACCESS CONTROL DOOR - SECURED

SCALE: NTS

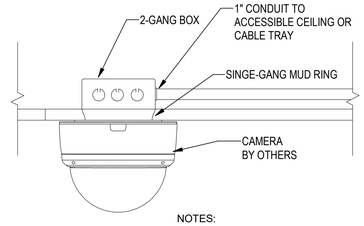


NOTES:

1. SECURITY SYSTEM WIRING AND DEVICES SHALL BE OWNER FURNISHED, OWNER INSTALLED. COORDINATE LOCATION AND ROUTING OF SECURITY SYSTEM INFRASTRUCTURE WITH OWNER'S SECURITY CONTRACTOR.

2 T-503 TYPICAL WALL CAMERA MOUNTING DETAIL

SCALE: NTS

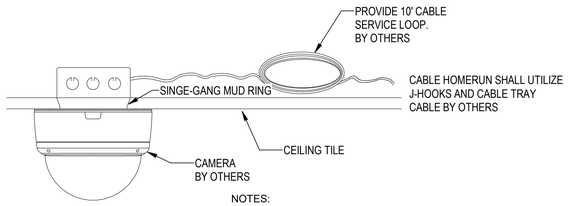


NOTES:

1. SECURITY SYSTEM WIRING AND DEVICES SHALL BE OWNER FURNISHED, OWNER INSTALLED. COORDINATE LOCATION AND ROUTING OF SECURITY SYSTEM INFRASTRUCTURE WITH OWNER'S SECURITY CONTRACTOR.

3 T-503 TYPICAL NON-ACCESSIBLE CEILING CAMERA MOUNTING DETAIL

SCALE: NTS



NOTES:

1. SECURITY SYSTEM WIRING AND DEVICES SHALL BE OWNER FURNISHED, OWNER INSTALLED. COORDINATE LOCATION AND ROUTING OF SECURITY SYSTEM INFRASTRUCTURE WITH OWNER'S SECURITY CONTRACTOR.

4 T-503 ACCESSIBLE CEILING CAMERA MOUNTING DETAIL

SCALE: NTS

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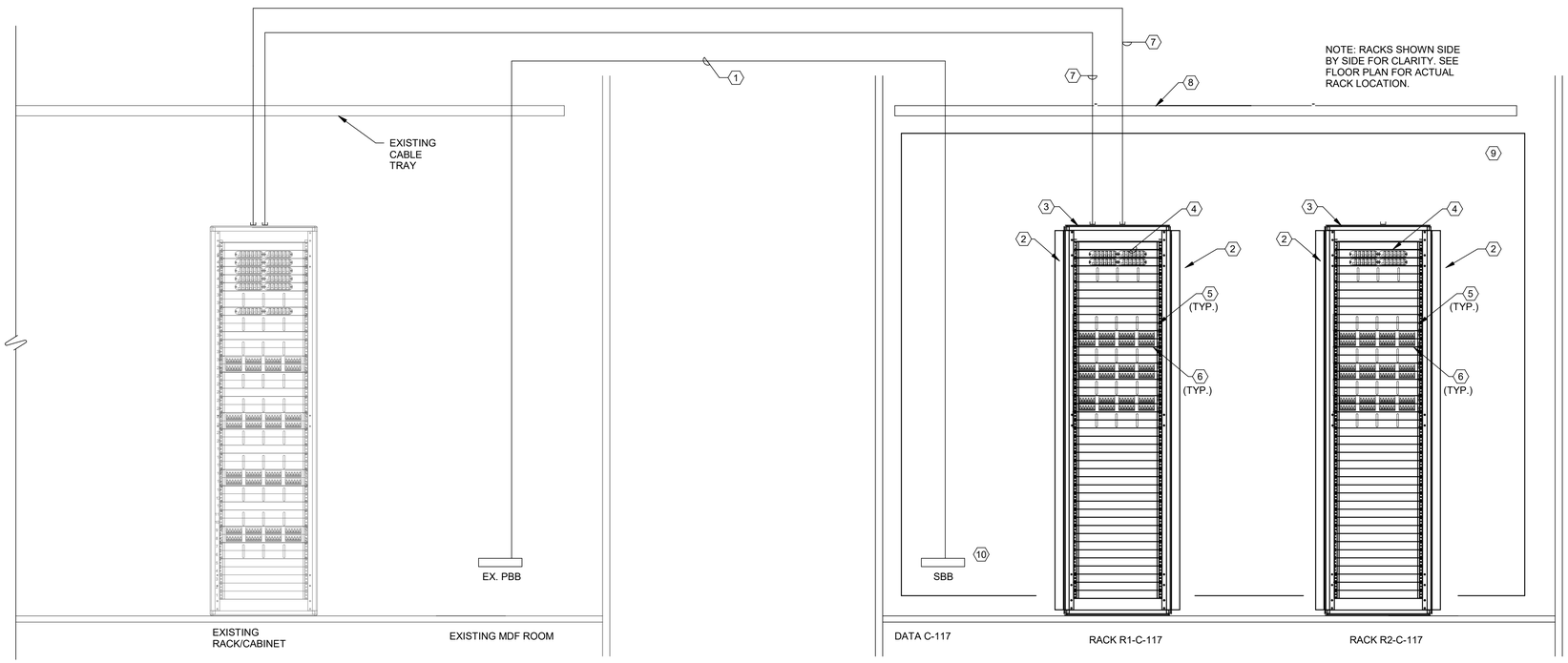
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KEY NOTES:

1. BOND SBB TO PBB IN MDF. SIZE TBB IN ACCORDANCE WITH TIA-607. ROUTE ALONG SAME PATH AS BACKBONE CABLING BETWEEN TWO SPACES.
2. 10"W, 14"D VERTICAL CABLE MANAGER.
3. 2-POST, 96" HIGH RACK WITH 51RU OF MOUNTING SPACE. SUITABLE FOR MOUNTING 19"W EQUIPMENT. BASE SHALL BE PREDRILLED.
4. 2RU FIBER DISTRIBUTION ENCLOSURE. INCLUDE SIX (6) ADAPTER PANELS. EACH ADAPTER PANEL SHALL CONSIST OF SIX (6) DUPLEX LC PORTS.
5. 2RU WIRE MANAGER WITH (6) PASS THROUGH HOLES AND (7) FRONT-MOUNTED STEEL ROD D-RINGS. PROVIDE WITH ALUMINUM FRONT COVER TO CONCEAL PATCH CORDS
6. 2RU, 48-PORT, 8-POSITION, RJ-45, UNKEYED, UTP CAT6 PATCH PANEL. SUITABLE FOR EITHER T568A OR T568B WIRING.
7. 4" EMT FROM MDF TO IDF FOR BACKBONE CABLING.
8. 12"W LADDER RACK MOUNTED 6" ABOVE TOP OF TELECOMMUNICATIONS RACK. PROVIDE WATERFALL FITTINGS FROM LADDER RACK DOWN TO RACKS.
9. WALL-MOUNTED, PAINTED, FIRE-RESISTANT PLYWOOD. INSTALL ON WALLS INDICATED.
10. BOND ALL EQUIPMENT RACKS, CABLE TRAY, CONDUIT, OR OTHER METALLIC OBJECTS TO THE SECONDARY BONDING BUSBAR (SBB) IN THIS ROOM.



1 T-601 RISER DIAGRAM - TELECOMMUNICATIONS
SCALE: NTS

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BY: JKH

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
COMMUNICATION RISER DIAGRAMS

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-601

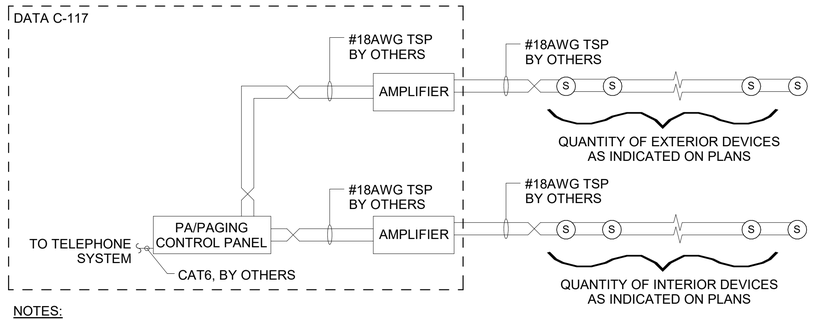
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NOTES:

1. PA / PAGING CABLING SHALL BE ROUTED IN A COMBINATION OF CABLE TRAY, CONDUIT, AND OPEN CABLE SUPPORT. CABLING MAY SHARE PATHWAY WITH OTHER SYSTEMS.
2. PROVDE 120V POWER TO EACH AMPLIFIER AND CONTROLLER. SEE EP401 FOR CIRCUIT INFORMATION.
3. SPEAKERS, CABLE, AMPLIFIERS, AND CONTROLLER ARE BY OTHERS. PROVIDE PATHWAY, BOXES, AND PULL CORDS, AND 120V POWER ONLY.

1 / T-602 PUBLIC ADDRESS RISER

SCALE: NTS

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BAYLOR WOMENS CORRECTIONAL INSTITUTION
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COMMUNICATION RISER DIAGRAMS

PROJ:	213-26912-22005
DESN:	JKH/RLH
DRWN:	RLH
CHKD:	RSR

T-602

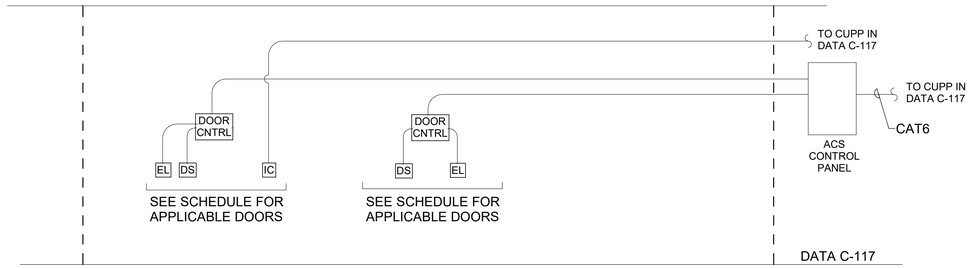
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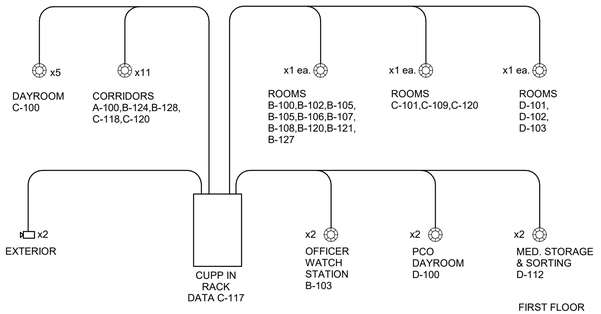
NOTES:

1. ACCESS CONTROL CABLING SHALL BE PROVIDED DEDICATED RACEWAYS AND SHALL NOT BE ROUTED WITH OTHER SYSTEM CABLING. ALL CONDUIT SHALL BE 3/4", MIN.
2. DEVICES, CABLE, AND OTHER ACTIVE EQUIPMENT IS BY OTHERS. PROVIDE PATHWAY, BOXES, PULL CORDS, AND 120V POWER ONLY.

1 T-603 ACCESS CONTROL SYSTEM AND INTERCOM RISER

SCALE: NTS

ACCESS CONTROL DOOR SCHEDULE			
DOOR	ELECTRIFIED LOCKSET	DOOR SWITCH	INTERCOM
A100A	YES	YES	YES
B100A	YES	YES	YES
B103	YES	YES	NO
B103A	YES	YES	YES
B120A	YES	YES	YES
B120B	YES	YES	NO
B128	YES	YES	YES
C100A	YES	YES	YES
C100B	YES	YES	YES
C101A	YES	YES	NO
C101B	YES	YES	NO
C103A	YES	YES	NO
C103B	YES	YES	NO
C105	YES	YES	NO
C106	YES	YES	NO
C107	YES	YES	NO
C108	YES	YES	NO
C109	YES	YES	NO
C110	YES	YES	NO
C111A	YES	YES	NO
C112A	YES	YES	NO
C115	YES	YES	NO
D100	YES	YES	NO



NOTES:

1. CCTV CABLING SHALL BE ROUTED IN A COMBINATION OF CABLE TRAY, CONDUIT, AND OPEN CABLE SUPPORT. CABLING MAY SHARE PATHWAY WITH OTHER SYSTEMS.
2. CAMERAS, CABLE, AND OTHER ACTIVE EQUIPMENT IS BY OTHERS. PROVIDE PATHWAY, BOXES, PULL CORDS, AND 120V POWER ONLY.
3. JUNCTION BOX LOCATED ABOVE ACCESSIBLE CEILING FOR POWER TO CCTV CAMERAS. CAMERAS BY OTHERS. COORDINATE INSTALLATION WITH OWNER.

2 T-603 CCTV RISER

SCALE: NTS

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DRWN:	RLH
CHKD:	S. RITTER

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ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AMP	REMOTE AMPLIFIER CABINET
ATS	AUTOMATIC TRANSFER SWITCH
BDA	BI-DIRECTIONAL AMPLIFIER
BDAP	BI-DIRECTIONAL AMPLIFIER ALARM PANEL
BFP	BACKFLOW PREVENTER
CA	CLEAN AGENT
CD	CANDELA
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CHKV	CHECK VALVE
CHEM	CHEMICAL
CLDIP	CEMENT LINED DUCTILE IRON PIPE
COX	BI-DIRECTIONAL AMPLIFIER COAX CABLE
CP	CONTROL PANEL
CMSA	CONTROL MODE SPECIFIC APPLICATION SPRINKLERS
DB	DECIBEL
DIA	DIAMETER
DSD	DUCT SMOKE DETECTOR
EPO	EMERGENCY POWER OFF
ETR	EXISTING TO REMAIN
EXIST	EXISTING
FA	FIRE ALARM
FAB	FIRE ALARM BELL
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FAWS	FIRE ALARM RECEIVING WORK STATION
FDC	FIRE DEPARTMENT CONNECTION
FEC	FIRE EXTINGUISHER CABINET
FHV	FIRE HOSE VALVE
FM	FACTORY MUTUAL
FO	FIBER OPTIC
FOTM	FIBER OPTIC TRANSCEIVER MODULE
FP	FIRE PROTECTION
FPC	FIRE PUMP CONTROLLER
FS	FLOW SWITCH
FSD	FIRE SEPARATION DISTANCE
FT	FEET
GAL	GALLON
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HP	HORSE POWER
IAW	IN ACCORDANCE WITH
IBC	INTERNATIONAL BUILDING CODE
IN	INCHES
MFG	MANUFACTURER
MPS	ADDRESSABLE MANUAL PULL STATION
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OS&Y	OUTSIDE STEM AND YOKE
PIV	POST INDICATOR VALVE
PMP	PUMP
PSI	POUNDS PER SQUARE INCH
RCV	RISER CHECK VALVE
RTS	REMOTE TEST STATION
SB	SOUNDER BASE
SCH	SCHEDULE (PIPE)
SD	PHOTOELECTRIC SMOKE DETECTOR
SLC	SIGNALING LINE CIRCUIT
T	TANK
TBD	TO BE DETERMINED
TS	TAMPER SWITCH
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VALVE
WP	WEATHERPROOF
ZCA	ZONE CONTROL ASSEMBLY

FIRE ALARM GENERAL NOTES

1. FIRE ALARM NOTIFICATION SYSTEMS SHALL COMPLY WITH, USER STANDARDS, NFPA 70, NFPA 72, AND PROJECT SPECIFICATIONS.
2. PENETRATIONS IN FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRE-STOPPED WITH LISTED MATERIALS/ ASSEMBLIES IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
3. FIRE SUPPRESSION SYSTEM WATERFLOW AND CONTROL VALVE SUPERVISORY SWITCHES SHALL BE MONITORED BY THE BUILDING FIRE ALARM NOTIFICATION SYSTEM.
4. FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE FIRE SPRINKLER CONTRACTOR FOR SPECIFIC NUMBERS AND LOCATIONS OF ALL FLOW, TAMPER AND PRESSURE SWITCHES.
5. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SYSTEM REQUIREMENTS WITH ALL CONDITIONS OF THE BUILDING AND SITE INCLUDING, BUT NOT LIMITED TO, BLIND SPACES, SHELVING, LIGHTS, HVAC GRILLES AND DIFFUSERS, PIPING, DUCT WORK, DOORS, WINDOWS, EQUIPMENT PLATFORMS, WALLS (FIRE RATED AND NON FIRE RATED), BEAMS, JOISTS, COLUMNS, HVAC EQUIPMENT, ELECTRICAL PANELS AND EQUIPMENT, CEILINGS, AREAS WITHOUT CEILINGS, WALL CONSTRUCTION, FLOORS AND ALL CONSTRUCTION, EQUIPMENT AND BUILDING APPURTENANCES.
6. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING, DOCUMENTING, AND CERTIFYING REQUISITE INSPECTION AND TESTS IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS FOR ALL FIRE ALARM EQUIPMENT FURNISHED UNDER THIS PROJECT. AFTER COMPLETING THE TESTING, THE CONTRACTOR SHALL DEMONSTRATE FULL OPERATIONAL CAPABILITY OF THE FIRE ALARM NOTIFICATION SYSTEM, AS WELL AS FULL COMPLIANCE WITH ALL DESIGN DOCUMENTS, CODES AND STANDARDS.
7. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS MATERIAL FOR A COMPLETE INSTALLATION.
8. EACH CONVENTIONAL FIRE ALARM DEVICE MUST HAVE ITS OWN MONITOR MODULE.
9. FIRE ALARM CONTRACTOR SHALL UTILIZE ALARM VERIFICATION AS A STANDARD FEATURE FOR ALL ADDRESSABLE SMOKE DETECTORS. ALARM VERIFICATION SHALL BE ADJUSTABLE AND INITIALLY SET AT 20 SECONDS.
10. ALL CONDUCTORS SHALL BE INSTALLED IN METALLIC CONDUITS (EMT MINIMUM). ALL CONDUIT SHALL BE INSTALLED PERPENDICULAR AND/ OR PARALLEL WITH THE RESPECTIVE BUILDING LINES.
11. ALL CONDUIT FROM ANY FIRE ALARM DEVICE CONNECTED TO A DEVICE THAT MAY BE IN CONTACT WITH WATER SHALL BE LIQUID TIGHT. THIS INCLUDES, BUT IS NOT LIMITED TO, WATERFLOW SWITCHES, PRESSURE SWITCHES & TAMPER SWITCHES.
12. THE FIRE ALARM SYSTEM DRAWINGS ARE CONCEPTUAL. THE NUMBER OF DEVICES SHOWN ARE THE MINIMUM REQUIRED AND THE FINAL QUANTITY SHALL BE IN ACCORDANCE WITH THE APPLICABLE CODES, SPECIFICATIONS, AND MANUFACTURER'S EQUIPMENT LISTINGS. SHOP DRAWING SUBMITTAL TO SHOW DETAILED INITIATION DEVICE LOCATIONS IN ACCORDANCE WITH THE MANUFACTURER'S LISTED INSTALLATION REQUIREMENTS AND WIRE COUNT.
13. ALL AUDIBLE APPLIANCES WITHIN THE BUILDING AND ALL VISIBLE APPLIANCES WITHIN THE SAME ROOM SHALL BE SYNCHRONIZED.
14. CONTRACT DRAWINGS SHALL NOT BE RE-SUBMITTED AS SHOP DRAWING SUBMITTALS.
15. TELECOMMUNICATIONS CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH DIVISION 27 OF THE PROJECT SPECIFICATIONS.
16. PROVIDE A LABEL ON THE EXTERIOR OF EACH FIRE ALARM DEVICE THAT MATCHES THE DEVICE NUMBER (ADDRESS) AT THE FMCP. DEVICE ID NUMBERS SHALL BE VISIBLE FROM THE FLOOR TO THE MAXIMUM EXTENT PRACTICAL. MONITOR MODULES & CONTROL/RELAY MODULES SHALL ALSO BE LABELED AS TO WHAT THEY CONTROL.
17. STROBES AND SPEAKER/STROBES SHALL HAVE A CLEAR LENS AND BE MARKED WITH THE WORD "FIRE".
18. ALL WIRING, CONDUIT, AND DEVICES LOCATED IN HAZARDOUS ATMOSPHERES, AS DEFINED BY NFPA 70, SHALL BE EXPLOSION PROOF. REFER TO THE ELECTRICAL PLANS FOR LOCATIONS.

FIRE ALARM SYMBOLS

FACP	ADDRESSABLE VOICE FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FSCP	ADDRESSABLE PREACTION ALARM CONTROL PANEL
AMP	REMOTE AMPLIFIER CABINET
ANN	REMOTE ANNUNCIATOR PANEL
ASD	AIR SAMPLING DETECTION SYSTEM
XX	FA STROBE ONLY - WALL MOUNT -XX DENOTES CANDELA RATING
XX C	FA STROBE ONLY - CEILING MOUNT -XX DENOTES CANDELA RATING
C S	FA SPEAKER ONLY -WP DENOTES WEATHERPROOF - C DENOTES CEILING MOUNTED
C XX S	FA COMBINATION SPEAKER/STROBE - CEILING MOUNT -XX DENOTES CANDELA RATING -WP DENOTES WEATHERPROOF
S	SMOKE DETECTOR - PHOTOELECTRIC
S SB	SMOKE DETECTOR - PHOTOELECTRIC W/ LOW FREQUENCY SOUNDER BASE
S	DUCT SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR
F	FIRE ALARM MANUAL PULL STATION
AIM	ADDRESSABLE INITIATING DEVICE MODULE
AOM	ADDRESSABLE CONTROL (RELAY) MODULE
PS	PRESSURE SWITCH
WF	WATERFLOW SWITCH
VS	TAMPER SWITCH
LT	LOW TEMPERATURE SWITCH
LS	LEVEL DETECTOR/ SWITCH
E	EXTERIOR FIRE ALARM BELL
SPD	SURGE SUPPRESSION DEVICE
RTS	REMOTE TEST STATION
RT	RADIO TRANSMITTER
	ANTENNA
RPS	REMOTE POWER SUPPLY

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ROSEWOOD J. EDWARDS
LICENSE
No. 27434
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MG

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
FIRE ALARM LEGEND, ABBREVIATIONS AND SYMBOLS

PROJ:	213-26912-22005
DESN:	M. GORGONE
DRWN:	P. GATES
CHKD:	N. MARTIN

FA001

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GENERAL NOTES

A. REFER TO SHEET FA001 FOR LEGEND, ABBREVAITIONS, AND GENERAL NOTES.

KEY NOTES

1. PROVIDE REMOTE POWER SUPPLY/ NOTIFICATION APPLIANCE CIRCUIT PANEL TO ENTEND EXISTING FIRE ALARM SYSTEM.
2. FIRE PROTECTION OS&Y VALVE TAMPER SWITCH.
3. WET-PIPE SPRINKLER RISER ISOLATION BUTTERFLY VALVE TAMPER SWITCH AND WATERFLOW SWITCH.

1 FA102 FIRE ALARM PLAN
SCALE: 3/32" = 1'-0"



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'
SCALE: 3/32" = 1'-0"

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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
FIRE ALARM PLAN

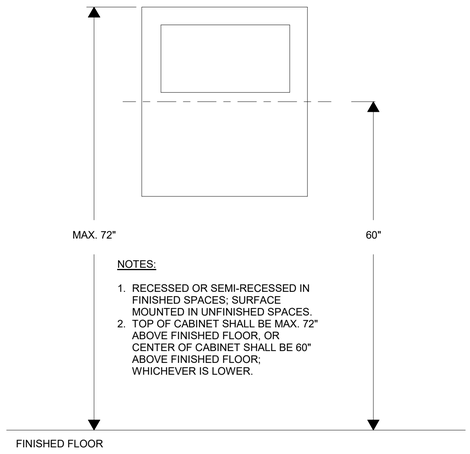
PROJ:	213-26912-22005
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NOTES:

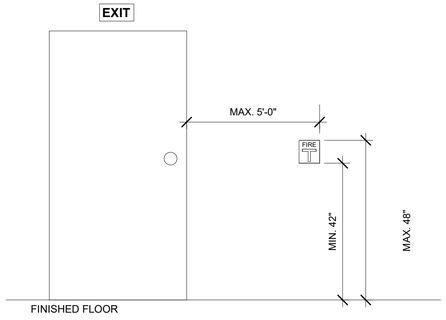
1. RECESSED OR SEMI-RECESSED IN FINISHED SPACES; SURFACE MOUNTED IN UNFINISHED SPACES.
2. TOP OF CABINET SHALL BE MAX. 72" ABOVE FINISHED FLOOR, OR CENTER OF CABINET SHALL BE 60" ABOVE FINISHED FLOOR; WHICHEVER IS LOWER.

1 FACP AND FAA MOUNTING HEIGHTS

1 / FA501 SCALE: NTS

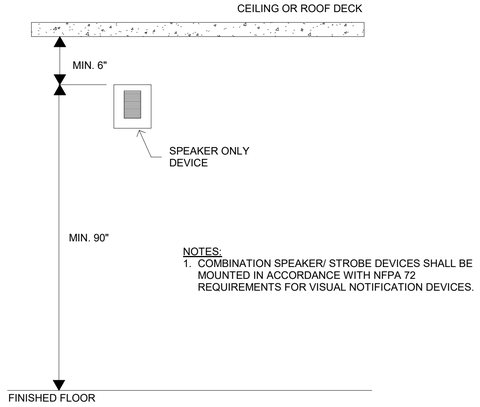
NOTES:

1. FIRE ALARM MANUAL PULL STATIONS TO BE LOCATED WITHIN A MAXIMUM OF 60" OF AN EXTERIOR DOOR.
2. THE OPERABLE HANDLE OF THE MANUAL PULL STATION SHALL BE NOT LESS THAN 42" AND NOT MORE THAN 48" AFF.



2 FIRE ALARM PULL STATION

2 / FA501 SCALE: NTS

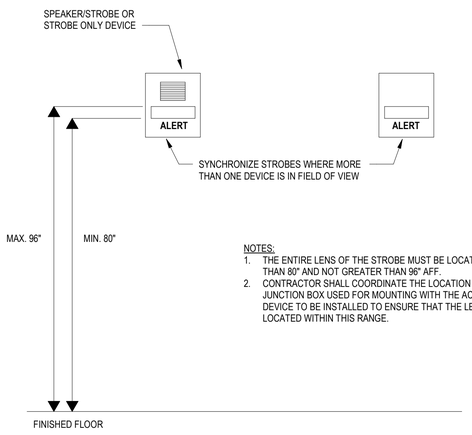


NOTES:

1. COMBINATION SPEAKER/ STROBE DEVICES SHALL BE MOUNTED IN ACCORDANCE WITH NFPA 72 REQUIREMENTS FOR VISUAL NOTIFICATION DEVICES.

3 FIRE ALARM SPEAKER MOUNTING DETAIL

3 / FA501 SCALE: NTS

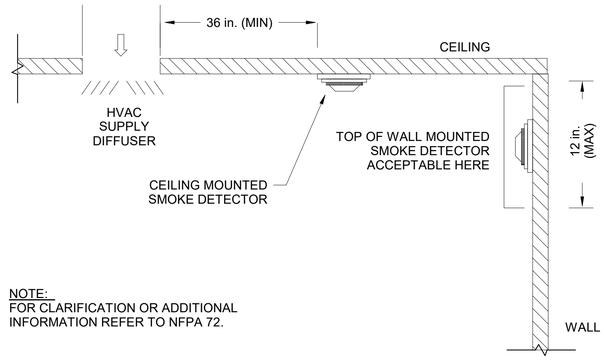


NOTES:

1. THE ENTIRE LENS OF THE STROBE MUST BE LOCATED NOT LESS THAN 80" AND NOT GREATER THAN 96" AFF.
2. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE JUNCTION BOX USED FOR MOUNTING WITH THE ACTUAL STROBE DEVICE TO BE INSTALLED TO ENSURE THAT THE LENS WILL BE LOCATED WITHIN THIS RANGE.

4 FIRE ALARM STROBE MOUNTING DETAIL

4 / FA501 SCALE: NTS



NOTE:
FOR CLARIFICATION OR ADDITIONAL INFORMATION REFER TO NFPA 72.

5 SMOKE DETECTOR

5 / FA501 SCALE: NTS

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ROSEWOOD J. EDWARDS LICENSE No. 27434 PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
FIRE ALARM DETAILS

PROJ:	213-26912-22005
DESN:	M. GORGONE
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FIRE PROTECTION SYMBOLS

- HYDRAULIC REFERENCE NODE
- OS&Y VALVE WITH TAMPER SWITCH
- CHECK VALVE
- WF — WATERFLOW SWITCH
- PRESSURE REDUCING VALVE
- POST INDICATOR VALVE
- R — RISER CHECK VALVE
- N — DRY PIPE VALVE - NITROGEN CHARGED
- N — PREACTION VALVE - NITROGEN CHARGED
- BACKFLOW PREVENTER - DOUBLE CHECK
- UPRIGHT SPRINKLER
- PENDENT CONCEALED SPRINKLER
- STANDARD PENDENT SPRINKLER
- SIDEWALL SPRINKLER
- — SP — WET PIPE SYSTEM
- [X'-X"] PIPE ELEVATION AFF
- FIRE DEPARTMENT CONNECTION
- PIPE CONTINUATION
- DIRECTION OF FLOW
- DENOTES HANGER LOCATION
- BRANCH LINE RESTRAINT
- LATERAL SEISMIC BRACE
- LONGITUDINAL SEISMIC BRACE
- FOUR-WAY SEISMIC BRACE
- NS — NON-SPRINKLERED SPACE
- SRR — SMALL ROOM RULE
- FHS — FIRE HOSE STATION
- FLOW METER
- STRAINER
- CONNECT TO EXISTING

FIRE PROTECTION GENERAL NOTES

1. FIRE PROTECTION SYSTEMS SHALL COMPLY WITH PROJECT SPECIFICATIONS, USER STANDARDS, NFPA 13, NFPA 24 AND ALL APPLICABLE CODES AND STANDARDS.
2. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE A GENERAL ARRANGEMENT OF WORK. GENERAL DESIGN CONCEPTS INDICATED MUST BE FOLLOWED OR BETTERED. THE BID SHALL INCLUDE OFFSETS, ADDITIONAL PIPING, VALVES, AND FIRE PROTECTION EQUIPMENT AS REQUIRED TO MEET CONSTRUCTION CONDITIONS FOR PROPER OPERATION. DEVELOP AND SUBMIT COORDINATION DRAWINGS.
3. PIPING IS SHOWN FOR INFORMATION AND GENERAL ROUTING. THE CONTRACTOR SHALL PROVIDE FINAL ROUTING FOR ALL PIPING AND SHALL PROVIDE SHOP DRAWINGS THAT INCLUDE: EXACT DIMENSIONED ROUTING OF ALL PIPE, PIPE SIZES, DIMENSIONED TIE-IN LOCATIONS, AND FIRE RATED CONSTRUCTION PENETRATIONS DETAILS. THE CONTRACTOR SHALL AVOID INTERFERENCES WITH OTHER PIPING, EQUIPMENT, CODE REQUIRED CLEARANCES, AND THE WORK OF OTHER DISCIPLINES.
4. FIELD ROUTED LIQUID-FILLED PIPING SHALL NOT BE ROUTED ABOVE ELECTRICAL OR ELECTRONIC EQUIPMENT.
5. INSTALLING CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES.
6. CUTTING OF STRUCTURAL AND/OR ARCHITECTURAL MEMBERS SHALL BE DONE ONLY WITH THE WRITTEN APPROVAL.
7. FIRE STOP ALL PENETRATIONS OF SMOKE/FIRE WALLS, FIRE RATED WALLS, CEILINGS, FLOOR, ROOFS, ETC. IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. FLASH AND COUNTERFLASH ANY ROOF PENETRATIONS.
8. METHOD OF HANGING PIPES, HEADERS, AND BRANCHLINES SHALL BE IN ACCORDANCE WITH NFPA 13. PIPING SHALL NOT BE HUNG DIRECTLY FROM METAL DECKING.
9. ALL VALVES FOR FIRE SERVICE SHALL BE LISTED BY THE UNDERWRITER'S LABORATORIES, INC. AND/OR THE FACTORY MUTUAL LABORATORIES. VALVES SHALL BE FACTORY MARKED "UL" AND/OR "FM" OR EQUIVALENT, 175 PSI WORKING PRESSURE.
10. ALL NORMALLY OPEN VALVES ON THE FIRE PROTECTION SYSTEM SHALL BE ELECTRICALLY SUPERVISED AND SHALL BE THE RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR.
11. PROVIDE A PERMANENTLY ATTACHED HYDRAULIC NAME PLATE STATING THE REQUIRED DESIGN CRITERIA FOR EACH HYDRAULICALLY DESIGNED SYSTEM IN ACCORDANCE WITH NFPA 13.
12. ONLY NEW MATERIALS SHALL BE USED IN THE INSTALLATION OF THESE SYSTEMS.
13. ALL SUPPORTS SHALL BE ATTACHED TO THE BUILDING'S STRUCTURAL FRAME IN ACCORDANCE WITH NFPA 13.
14. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
15. ROD STIFFENER REQUIRED FOR ALL-THREAD ROD HANGERS OVER 6' IN LENGTH.
16. INSTALL UNIONS IN PIPES 2" AND SMALLER, ADJACENT TO EACH VALVE. UNIONS ARE NOT REQUIRED ON FLANGED DEVICES OR IN PIPING INSTALLATIONS USING GROOVED MECHANICAL COUPLINGS.
17. SPRINKLERS SHALL BE LOCATED IN THE CENTER OF CEILING TILES UNLESS SPECIFICALLY NOTED OTHERWISE.
18. SPRINKLERS INSTALLED IN HIGH HEAT AREAS, INCLUDING BUT NOT LIMITED TO, ATTIC SPACES, OR IN CLOSE PROXIMITY TO UNIT HEATERS, SHALL HAVE A TEMPERATURE CLASSIFICATION IN ACCORDANCE WITH NFPA 13.
19. EQUIPMENT AND VALVES SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 36" ACCESS TO AND IN FRONT OF ALL EQUIPMENT AND A MIN. 6" BEHIND THE EQUIPMENT.
20. SPRINKLERS SHALL BE PROVIDED BELOW OBSTRUCTIONS GREATER THAN 4 FEET IN WIDTH (I.E. DUCTWORK, CATWALKS, ETC.). COORDINATE WITH ALL DISCIPLINES.
21. PROVIDE LISTED SPRINKLER GUARDS FOR SPRINKLERS LESS THAN 7 FT. ABOVE FINISHED FLOOR (IN UNFINISHED AREAS). IN ALL ELECTRICAL AND COMMUNICATIONS ROOMS WITHOUT CEILINGS, AND WHERE OTHERWISE SUBJECT TO MECHANICAL DAMAGE.
22. THE CONSTRUCTION SITE SHALL BE LEFT IN A CLEAN AND NEAT CONDITION AT THE END OF EACH WORKING DAY.
23. SAFEGUARDING DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH NFPA 241. CONTRACTOR SHALL COORDINATE SPECIFIC PLAN FOR FIRE PROTECTION DURING CONSTRUCTION WITH FIRE MARSHAL.
24. ALL INTERIOR PIPING SHALL BE SCHEDULE 40 ASTM A53 OR A795, SEAMLESS TYPE S (ERW IS NOT ACCEPTABLE). JOINTS SHALL BE THREADED WITH 250 PSI RATED DUCTILE IRON FITTINGS FOR SIZES 2½-INCH AND SMALLER. FOR PIPE SIZES 3-INCH AND LARGER GROOVED MECHANICAL FITTINGS U/L LISTED 250-PSI MINIMUM WORKING PRESSURE MAY BE USED. ALL GROOVED MECHANICAL FITTINGS SHALL BE WITH STAINLESS STEEL NUT & BOLT. INTERIOR RISER FLOOR CONTROL VALVES MAY BE APPROVED BUTTERFLY TYPE. PIPE SHALL BE CONTINUOUSLY MARKED AT THE PIPE FOUNDRY WITH THE SCHEDULE AND ASTM REFERENCE.
25. ALL FIRE SPRINKLER PIPING SHALL BE INSTALLED WITH AN ADEQUATE SLOPE TO ENSURE THAT ALL PORTIONS OF THE SYSTEM WILL DRAIN. ALL AUXILIARY DRAINS SHALL BE EXTENDED TO A VISIBLE AND ACCESSIBLE LOCATION APPROVED BY THE UNIVERSITY REPRESENTATIVE. THE SHOP DRAWINGS SHALL INDICATE WHERE THE SYSTEM MAIN DRAIN SHALL DISCHARGE. DISCHARGE TO EXTERIOR IS NOT PERMITTED.
26. ALL FIRE PROTECTION PIPING SHALL BE PAINTED SAFETY RED.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AMP	REMOTE AMPLIFIER CABINET
ATS	AUTOMATIC TRANSFER SWITCH
BDA	BI-DIRECTIONAL AMPLIFIER
BDAP	BI-DIRECTIONAL AMPLIFIER ALARM PANEL
BFP	BACKFLOW PREVENTER
CA	CLEAN AGENT
CD	CANDELA
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CHKV	CHECK VALVE
CHEM	CHEMICAL
CLDIP	CEMENT LINED DUCTILE IRON PIPE
COX	BI-DIRECTIONAL AMPLIFIER COAX CABLE
CP	CONTROL PANEL
CMSA	CONTROL MODE SPECIFIC APPLICATION SPRINKLERS
DB	DECIBEL
DIA	DIAMETER
DSD	DUCT SMOKE DETECTOR
EPO	EMERGENCY POWER OFF
ETR	EXISTING TO REMAIN
EXIST	EXISTING
FA	FIRE ALARM
FAB	FIRE ALARM BELL
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FAWS	FIRE ALARM RECEIVING WORK STATION
FDC	FIRE DEPARTMENT CONNECTION
FEC	FIRE EXTINGUISHER CABINET
FHV	FIRE HOSE VALVE
FM	FACTORY MUTUAL
FO	FIBER OPTIC
FOTM	FIBER OPTIC TRANSCEIVER MODULE
FP	FIRE PROTECTION
FPC	FIRE PUMP CONTROLLER
FS	FLOW SWITCH
FSD	FIRE SEPARATION DISTANCE
FT	FEET
GAL	GALLON
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HP	HORSE POWER
IAW	IN ACCORDANCE WITH
IBC	INTERNATIONAL BUILDING CODE
IN	INCHES
MFG	MANUFACTURER
MPS	ADDRESSABLE MANUAL PULL STATION
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OS&Y	OUTSIDE STEM AND YOKE
PA	PRE ACTION
PIV	POST INDICATOR VALVE
PMP	PUMP
PSI	POUNDS PER SQUARE INCH
RCV	RISER CHECK VALVE
RTS	REMOTE TEST STATION
SB	SOUNDER BASE
SCH	SCHEDULE (PIPE)
SD	PHOTOELECTRIC SMOKE DETECTOR
SLC	SIGNALING LINE CIRCUIT
SP	SPRINKLER PIPE
STP	STAND PIPE
T	TANK
TBD	TO BE DETERMINED
TS	TAMPER SWITCH
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VALVE
WP	WEATHERPROOF
ZCA	ZONE CONTROL ASSEMBLY

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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

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FX001

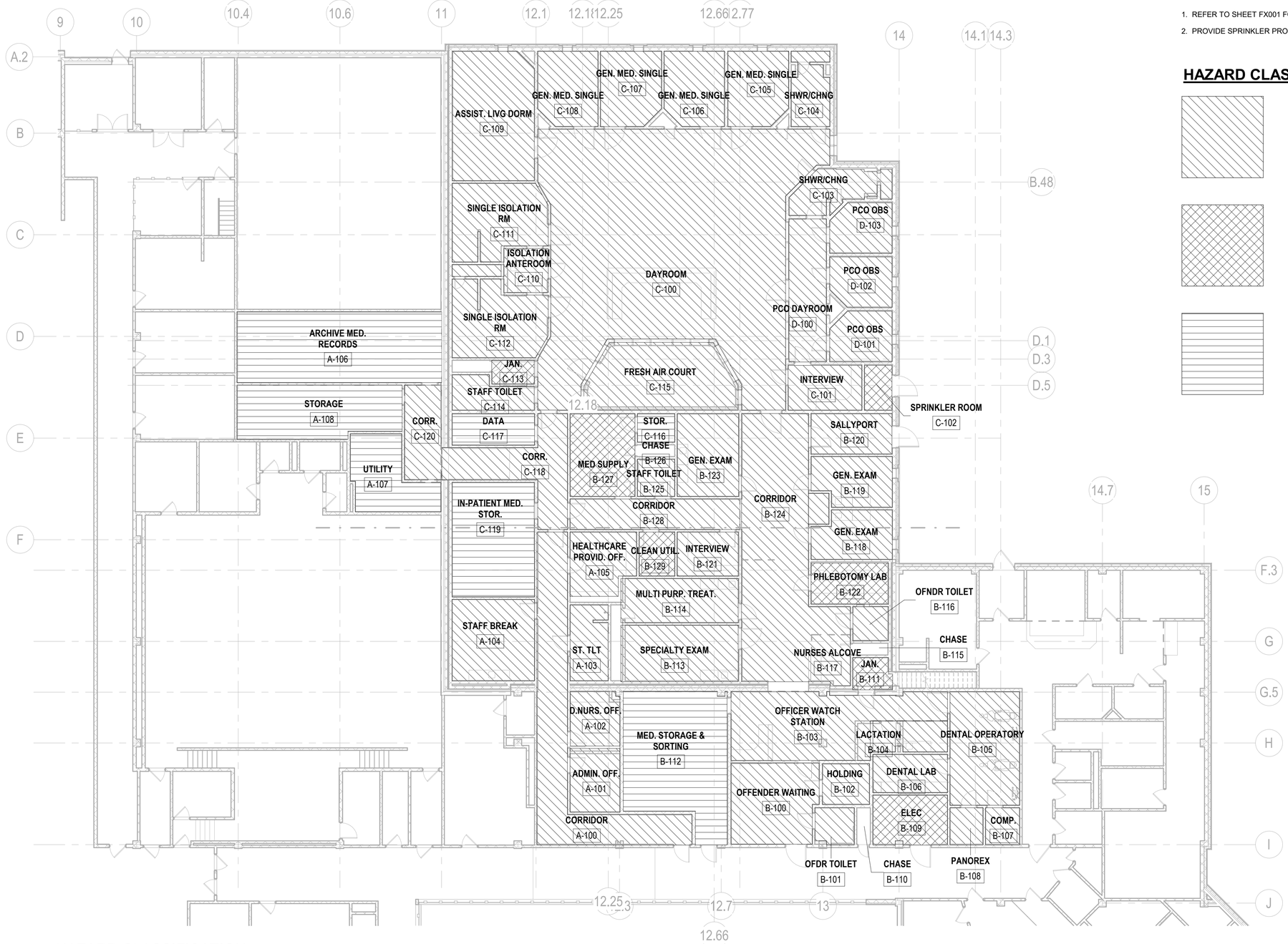
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1 FX102 HAZARD CLASSIFICATION PLAN

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

GENERAL NOTES:

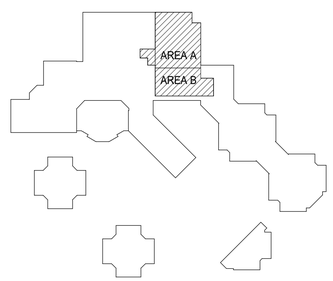
1. REFER TO SHEET FX001 FOR LEGEND, ABBREVAITIONS, AND GENERAL NOTES.
2. PROVIDE SPRINKLER PROTECTION THROUGHOUT THE BUILDING IN ACCORDANCE WITH NFPA 13.

HAZARD CLASSIFICATION LEGEND

WET PIPE SPRINKLER SYSTEM
HAZRAD CLASSIFICATION: LIGHT HAZARD
DENSITY: 0.1 GPM/SQFT
DESIGN AREA: 1,500 SQFT
EXTERIOR HOSE ALLOWANCE: 100 GPM
MAX. COVERAGE PER SPRINKLER: 225 SQFT
SPRINKLER TYPE: QUICK RESPONSE
MINIMUM K-FACTOR: 5.6

WET PIPE SPRINKLER SYSTEM
HAZARD CLASSIFICATION: ORDINARY HAZARD GROUP 1
DENSITY: 0.15 GPM/SQFT
DESIGN AREA: 1,500 SQFT
EXTERIOR HOSE ALLOWANCE: 250 GPM
MAX. COVERAGE PER SPRINKLER: 130 SQFT
SPRINKLER TYPE: QUICK RESPONSE
MINIMUM K-FACTOR: 5.6

WET PIPE SPRINKLER SYSTEM
HAZARD CLASSIFICATION: ORDINARY HAZARD GROUP 2
DENSITY: 0.2 GPM/SQFT
DESIGN AREA: 1,500 SQFT
EXTERIOR HOSE ALLOWANCE: 250 GPM
MAX. COVERAGE PER SPRINKLER: 130 SQFT
SPRINKLER TYPE: QUICK RESPONSE
MINIMUM K-FACTOR: 5.6



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'

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

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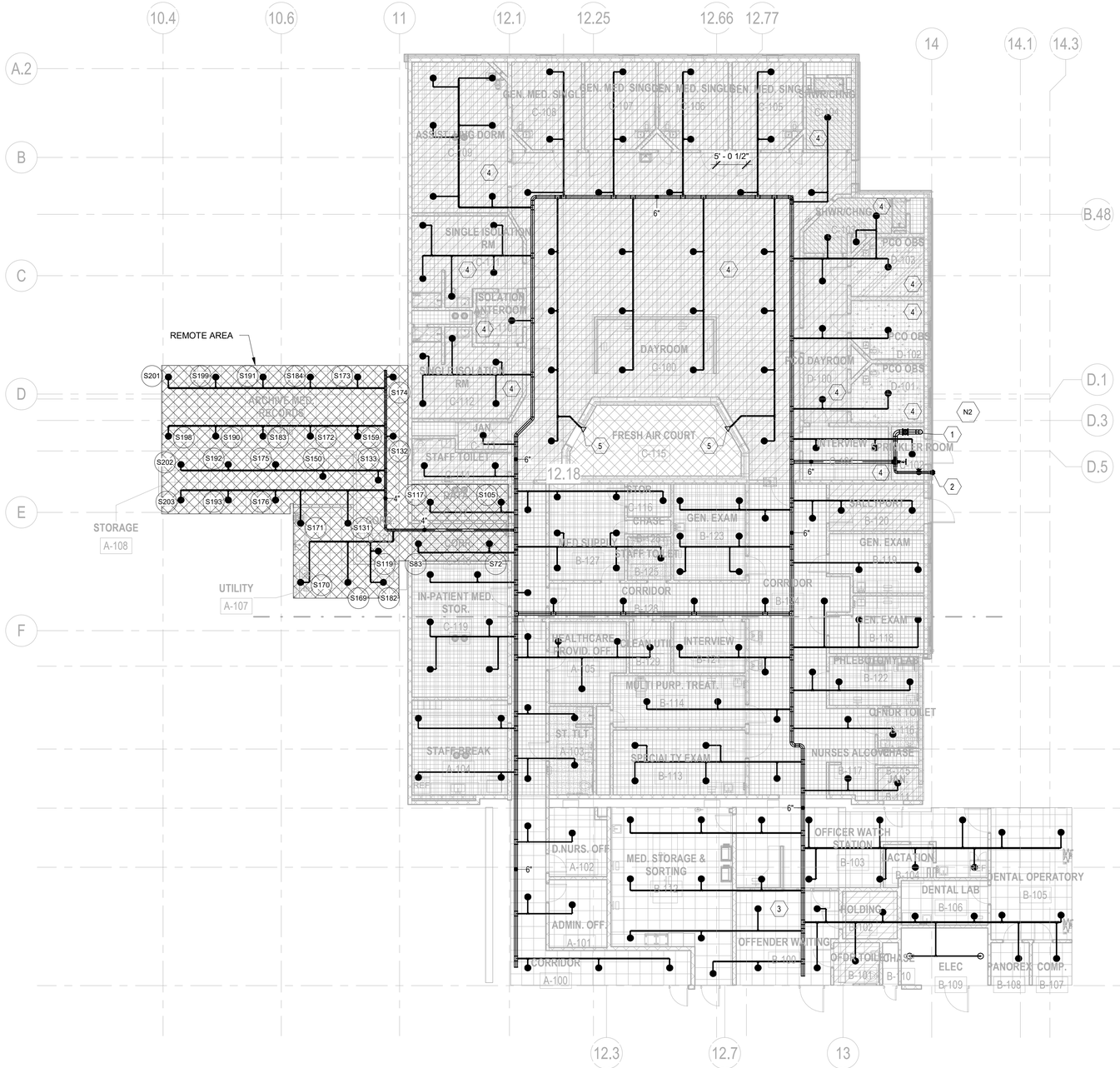
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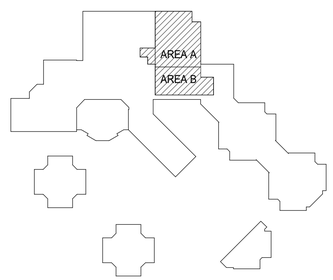
GENERAL NOTES

A. REFER TO SHEET FX001 FOR LEGEND, ABBREVAITIONS, AND GENERAL NOTES.

KEY NOTES

1. INCOMING 8" UNDERGROUND FIRE PROTECTION WATER MAIN. REFER TO CIVIL PLANS FOR CONTINUATION.
2. FIRE DEPARTMENT CONNECTION
3. DEMO SPRINKLER PROTECTION BACK TO EXISTING BRANCHLINES. PROVIDE NEW SPRINKLER PROTECTION THROUGHOUT SPACE.
4. INSTITUTIONAL (TAMPER-RESISTANT) SPRINKLERS
5. DRY SIDEWALL SPRINKLERS

Viking Hydraulic Information	
Remote area name	Remote Area BWCI
Occupancy classification	Ordinary
Density	0.2 gpm/ft²
Area of application	1500 ft²
Coverage per sprinkler	130 ft²
No. of sprinklers calculated	30
Hose streams	250 gpm
Fixed flows	0 gpm
Sprinkler Demand	824.23 gpm
System Demand	824.23 gpm @ 47.67 psi
Total water required (including hose streams)	1074.23 gpm @ 47.67 psi



KEY PLAN: NTS

PLAN NORTH

8' 0' 8' 16' 24'
SCALE: 3/32" = 1'-0"

1 FX103 FIRE PROTECTION PLAN
SCALE: 3/32" = 1'-0"

IMPORTANT - DO NOT DISTRIBUTE

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ROSEWOOD, EDWARD LICENSE No. 27434 PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY
1	07/27/26	ISSUED FOR BID	MG

OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
FIRE PROTECTION PLAN

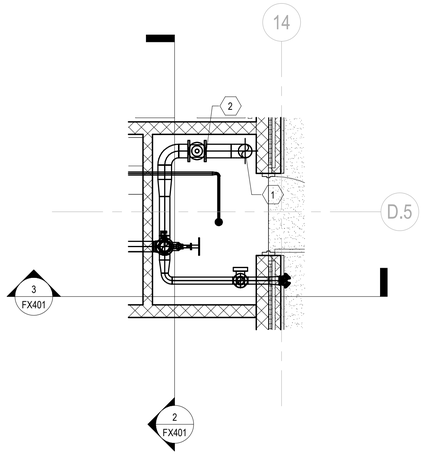
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DESN:	M. GORGONE
DRWN:	P. GATES
CHKD:	N. MARTIN

FX103

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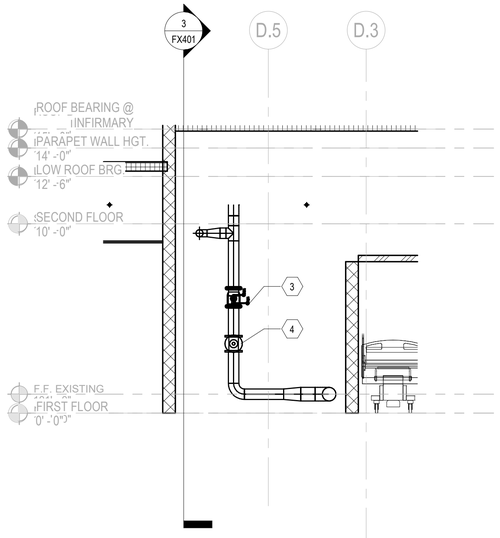


FIRE RISER ROOM ENLARGED PLAN

1 / FX401 SCALE: 1/4" = 1'-0"

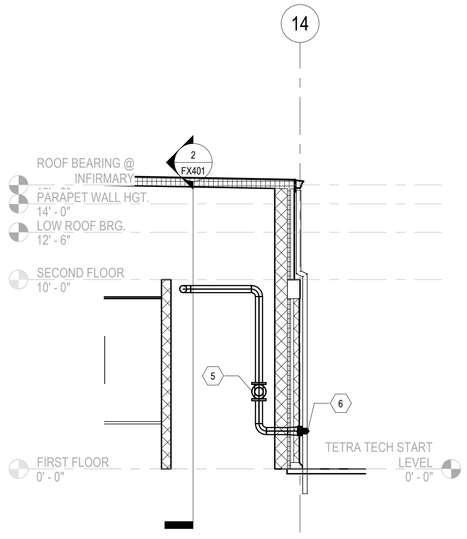
KEY NOTES

1. INCOMING 8" UNDERGROUND FIRE PROTECTION WATER MAIN. REFER TO CIVIL PLANS FOR CONTINUATION.
2. 6" OS&Y ISOLATION VALVE WITH TAMPER SWITCH
3. 6" WET SPRINKLER RISER CHECK VALVE
4. 6" OS&Y ISOLATION VALVE WITH TAMPER SWITCH
5. 4" FIRE DEPARTMENT CONNECTION CHECK VALVE
6. FIRE DEPARTMENT CONNECTION



FIRE RISER ROOM SECTION VIEW 1

2 / FX401 SCALE: 1/4" = 1'-0"



FIRE RISER ROOM SECTION VIEW 2

3 / FX401 SCALE: 1/4" = 1'-0"

4' 0' 4' 8'

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

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ROSEWOOD J. ENWARD LICENSE No. 27434 PROFESSIONAL ENGINEER

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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION
ENLARGED PLAN

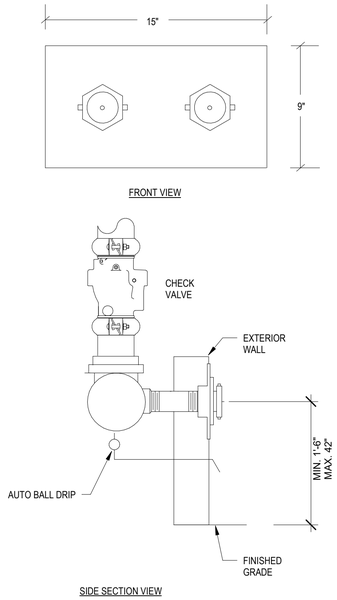
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DRWN:	P. GATES
CHKD:	N. MARTIN

FX401

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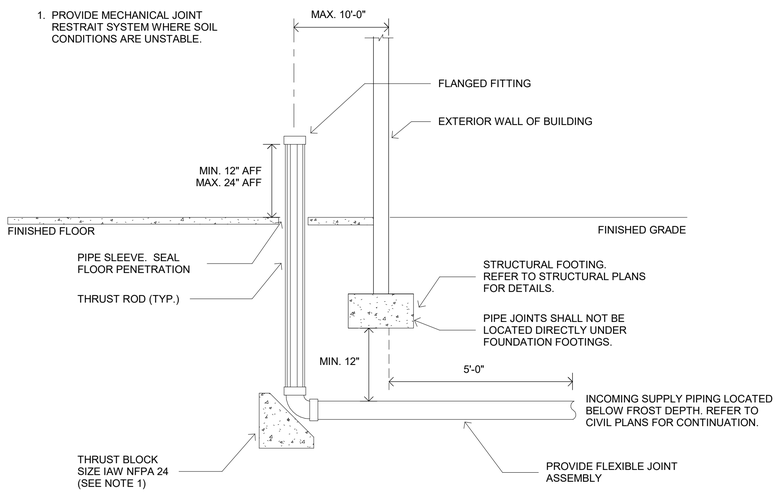
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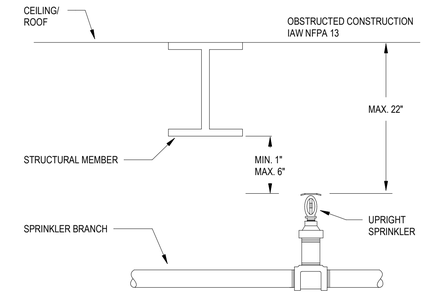
1 FX501 FIRE DEPT. CONNECTION DETAIL (2)

SCALE: NTS



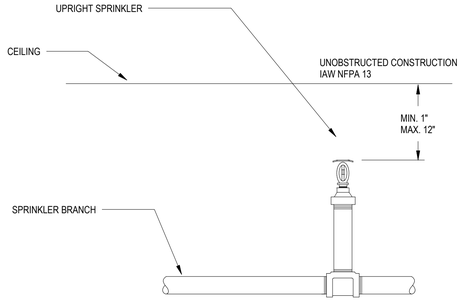
2 FX501 UNDERGROUND PIPING ENTRY BELOW FOOTING

SCALE: NTS



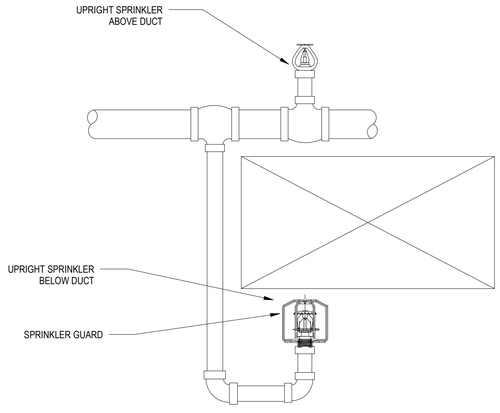
3 FX501 UPRIGHT SPRINKLER (OBSTRUCTED)

SCALE: NTS



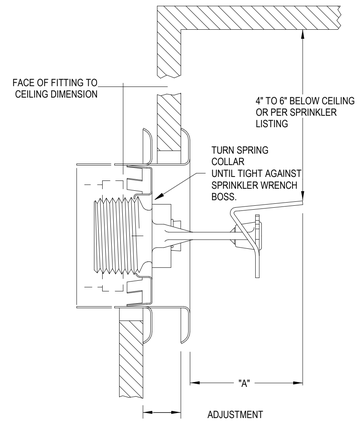
4 FX501 UPRIGHT SPRINKLER (UNOBSTRUCTED)

SCALE: NTS



5 FX501 UPRIGHT SPRINKLERS W/GUARD ABOVE AND BELOW DUCTS 48" OR ABOVE

SCALE: NTS



6 FX501 SIDEWALL SPRINKLER

SCALE: NTS

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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRE PROTECTION DETAILS 1 OF 2

PROJ:	213-26912-22005
DESN:	M. GORGONE
DRWN:	P. GATES
CHKD:	N. MARTIN

FX501

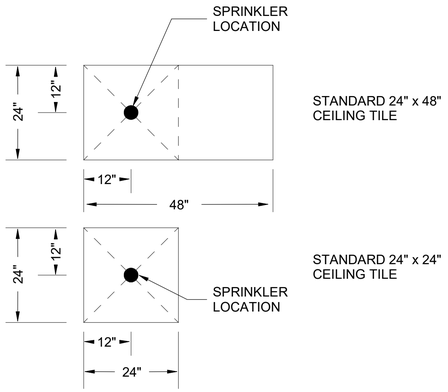
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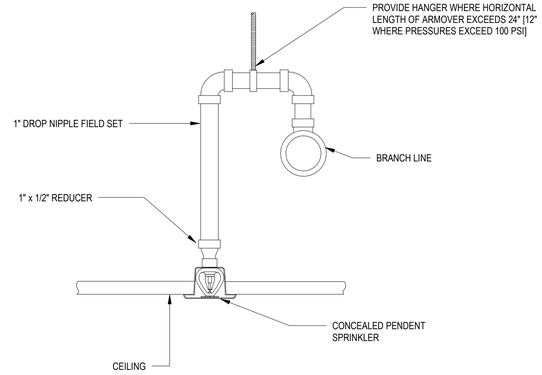
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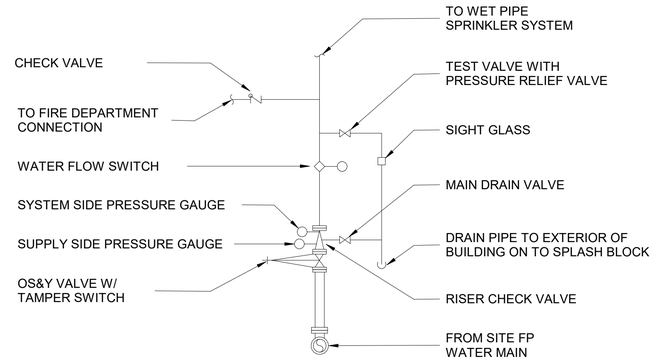
1 FX502 CEILING TILE SPRINKLER LOCATION DETAIL

SCALE: NTS



2 FX502 CONCEALED SPRINKLER ARM-OVER

SCALE: NTS



3 FX502 SPRINKLER RISER

SCALE: NTS

NOMINAL PIPE SIZE (in)	NFPA REQUIRED SLEEVE OR HOLE SIZE (in)
1	3
1-1/4	4
1-1/2	4
2	4
2-1/2	6
3	6
4	8
6	10
8	12

NFPA 13
9.3.4.1 CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THROUGH WALLS, FLOORS, PLATFORMS, AND FOUNDATIONS, INCLUDING DRAINS, FIRE DEPARTMENT CONNECTIONS, AND OTHER AUXILIARY PIPING.

9.3.4.2 UNLESS THE REQUIREMENTS OF 9.3.4.3 THROUGH 9.3.4.7 ARE MET, WHERE PIPE PASSES THROUGH HOLES IN PLATFORMS, FOUNDATIONS, WALLS, OR FLOORS, THE HOLES SHALL BE SIZED SUCH THAT THE DIAMETER OF THE HOLES IS NOMINALLY 2" LARGER THAN THE PIPE FOR 1" NOMINAL TO 3-1/4" NOMINAL AND 4" LARGER THAN THE PIPE FOR PIPE 4" NOMINAL AND LARGER.

9.3.4.3 WHERE CLEARANCE IS PROVIDED BY A PIPE SLEEVE, A NOMINAL DIAMETER 2" LARGER THAN THE NOMINAL DIAMETER OF THE PIPE SHALL BE ACCEPTABLE FOR PIPE SIZES 1" THROUGH 3-1/4" AND THE CLEARANCE PROVIDED BY A PIPE SLEEVE OF NOMINAL DIAMETER 4" LARGER THAN THE NOMINAL DIAMETER OF THE PIPE SHALL BE ACCEPTABLE FOR PIPE SIZES 4" AND LARGER.

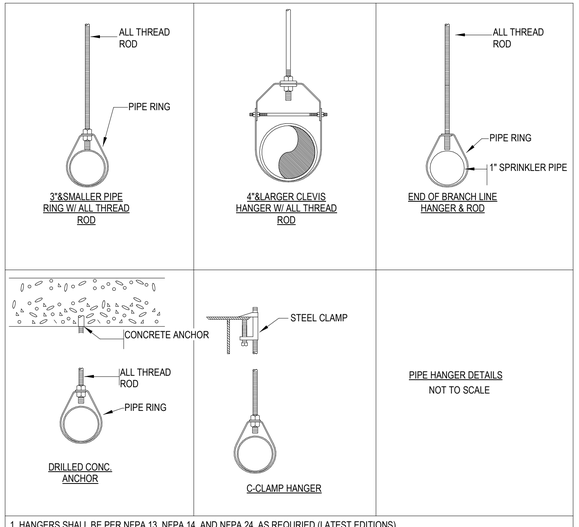
9.3.4.4 NO CLEARANCES SHALL BE REQUIRED FOR PIPING PASSING THROUGH GYPSUM BOARD OR EQUALLY FRANGIBLE CONSTRUCTION THAT IS NOT REQUIRED TO HAVE A FIRE RESISTANCE RATING.

9.3.4.5 NO CLEARANCES SHALL BE REQUIRED IF FLEXIBLE COUPLINGS ARE LOCATED WITHIN 12-1/16" OF EACH SIDE OF A WALL, FLOOR, PLATFORM, OR FOUNDATION.

9.3.4.8 WHERE REQUIRED, THE CLEARANCE SHALL BE FILLED WITH A FLEXIBLE MATERIAL THAT IS COMPATIBLE WITH THE PIPING MATERIAL.

4 FX502 PIPE CLEARANCE SCHEDULE

SCALE: NTS



1. HANGERS SHALL BE PER NFPA 13, NFPA 14, AND NFPA 24, AS REQURIED (LATEST EDITIONS).
2. HANGERS DISTANCES/THREADED ROD SIZES/ FASTENER SIZES (SEE CHART BELOW).
3. ALL MATERIALS TO BE ZINC/GALVANIZED

MAXIMUM DISTANCE BETWEEN HANGERS PER NFPA 13

NORMAL PIPE SIZE (in)	1"	1-¼"	1-½"	2"	2½"	3"	4"	6"
STEEL PIPE SCH.10/SCH.40	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED ROD DIAMETER	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
CONC. ANCHOR DIAMETER	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"

5 FX502 PIPE HANGERS

SCALE: NTS

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OMB/DFM CONTRACT # MJ3804000111
BAYLOR WOMENS CORRECTIONAL INSTITUTION
INFIRMARY EXPANSION

FIRE PROTECTION DETAILS 2 OF 2

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