

WILLIAMS COUNTY LAW ENFORCEMENT CENTER

INFIRMARY

206 EAST BROADWAY

WILLISTON, ND

EAPC

ArchitectureEngineeringInterior DesignIndustrial

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CONSULTANTS

CLIENT

WILLIAMS COUNTY

PROJECT DESCRIPTION

WILLIAMS COUNTY
LAW ENFORCEMENT
CENTER INFIRMARY

CITY

WILLISTON

STATE

ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	06/09/2025
MARK	DESCRIPTION	DATE

PROJECT NO: 20232310

DRAWN BY: BEY

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STAMP

DRAWING TITLE

TITLE SHEET

G100

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PROJECT LOCATION

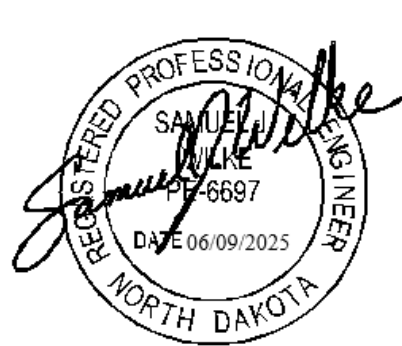
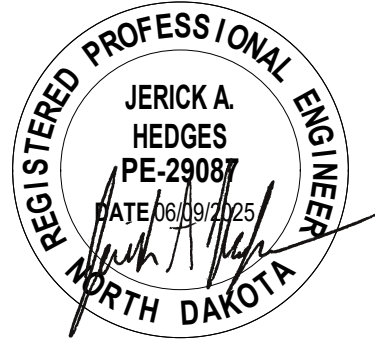


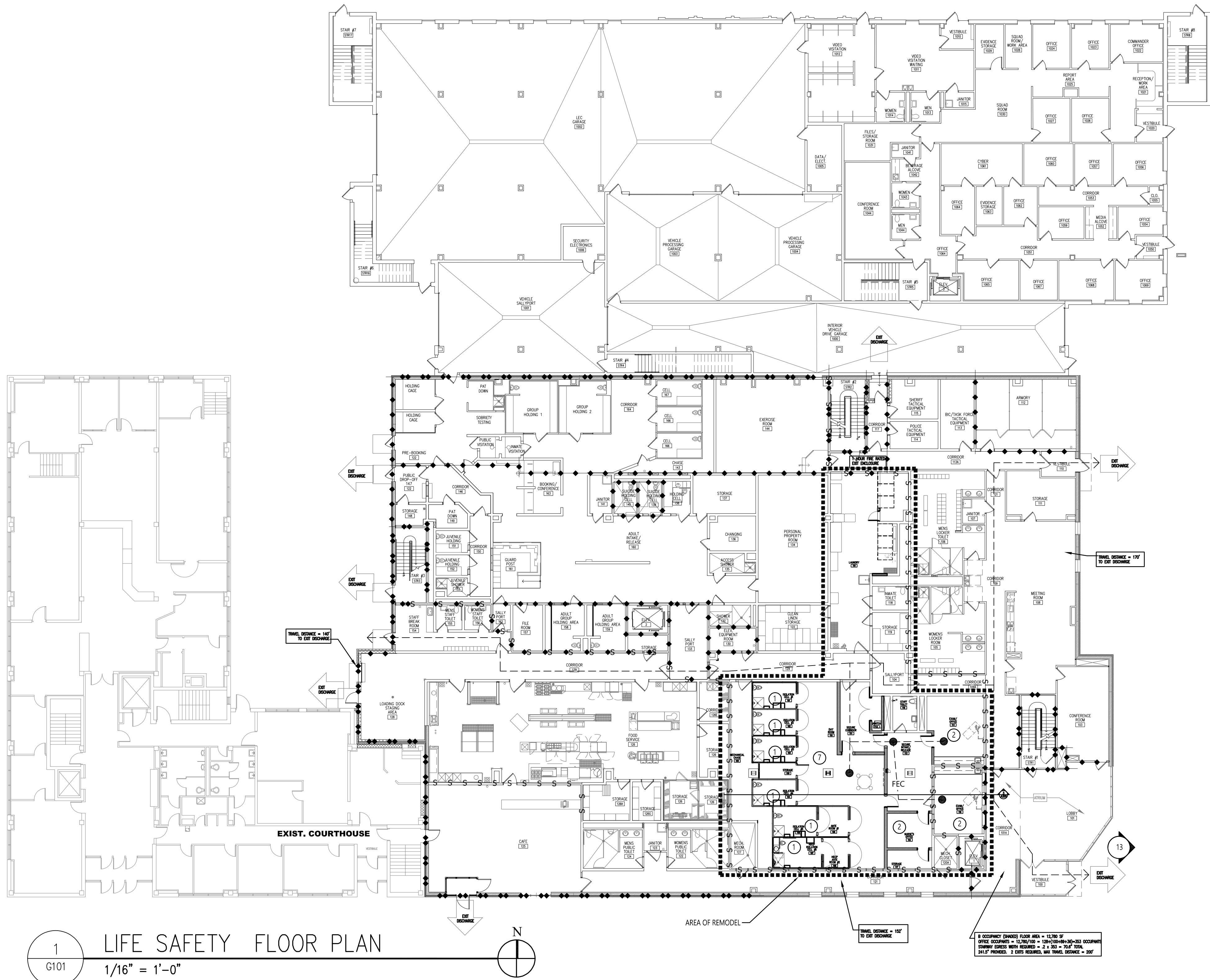
REGISTRATION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.

Signature: *Burton E. Youngs*

Date: 06/09/2025 REG. NO. : 1132

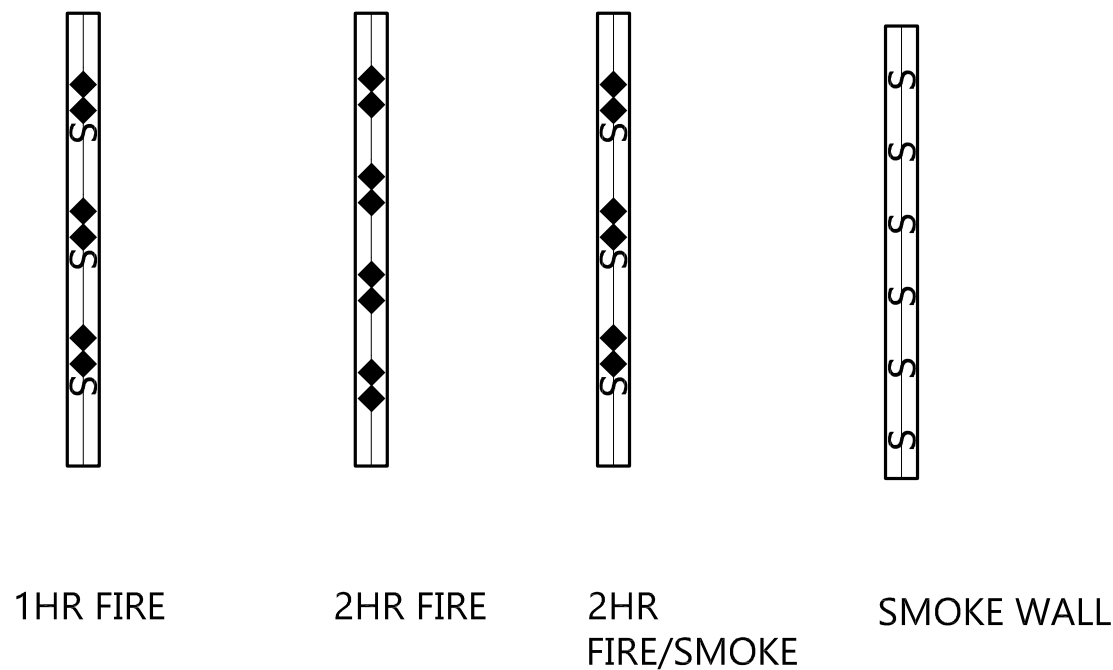




CODE SECTION		
PROJECT	WILLIAMS COUNTY LAW ENFORCEMENT CENTER INFIRMARY	
OWNER	WILLIAMS COUNTY	
ADDRESS	206 EAST BROADWAY, WILLISTON, ND 58801	
TYPE OF CONSTRUCTION	TYPE III-A & II-A	(TABLE 601)
SQUARE FOOTAGE	EXISTING: 20,807 SF EXISTING ADDITION: 28,042 SF TOTAL AREA: 48,849 SF	
BUILDING CODES	CODES: 2021 INTERNATIONAL BUILDING CODE (IBC) WITH AMENDMENTS 2021 INTERNATIONAL MECHANICAL CODE 2018 UNIFORM PLUMBING CODE 2021 NATIONAL ELECTRICAL CODE W/2020 WIRING STANDARDS OF ND 2024 NFPA 101	2021 ENERGY CODE (IECC)
EXISTING CONDITIONS	THE EXISTING LEC IS CLASSIFIED AS A FULLY SPRINKLED NON-SEPARATED MIXED USE OCCUPANCY 1-3/B WITH 1-3 BEING THE MOST RESTRICTIVE CLASSIFICATIONS CONSTRUCTED AS A TYPE III-A CONSTRUCTION. THE EXISTING BUILDING WILL REMAIN IN OPERATION DURING CONSTRUCTION THEREFORE PROVISIONS FOR RIGID SAFETY BARRIERS AND DUST BARRIERS TO PROTECT THE PUBLIC DURING CONSTRUCTION WILL BE PROVIDED IN ACCORDANCE WITH APPLICABLE PROVISION OF IBC CHAPTER 33. RENOVATIONS TO THE EXISTING BUILDING WILL NOT CHANGE OCCUPANCY TYPE. EXISTING BUILDING IS NOT LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES.	(SEC. 303.4, 304, 311.3, 508.2)
BUILDING OCCUPANCY	GROUP GROUP B-BUSINESS GROUP I-3	(SEC. 303.4, 304, 311.3, 508.2)
SPECIAL CONDITIONS	GROUP: JAIL OCCUPANCY I-3: THE JAIL IS DIVIDED INTO SMOKE COMPARTMENTS, WITH A CLASS III STANDPIPE IN EACH COMPARTMENT. TRAVEL DISTANCE TO SMOKE BARRIERS FROM ROOM DOORS IS LESS THAN 150'-0" AND LESS THAN 200'-0" FROM ANY POINT INSIDE ROOMS. SECTION 408.8.1, CONDITION 3 &4: SLEEPING AREAS GREATER THAN 50'-0" TRAVEL DISTANCE TO AN ACCESS CORRIDOR ARE SEPARATED FROM COMMON AREAS WITH SMOKE-TIGHT PARTITIONS. TYPE OF CONSTRUCTION & FIRE PROTECTION REQUIREMENTS EXISTING COURTHOUSE: EXISTING, FULLY SPRINKLED; 3 FLOORS EXISTING LEC PART 1: II-1-A, FULLY SPRINKLED; 3 FLOORS FIRE RESISTANCE RATING REQUIREMENTS: PRIMARY STRUCTURAL FRAME/EXTERIOR WALLS: 2 HOUR INTERIOR BEARING WALLS: 1 HOUR EXTERIOR & INTERIOR NON-BEARING WALLS: 0 HOURS FLOOR CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS: 1 HOUR ROOF CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS: 1 HOUR EXISTING LEC PART 2: II-1-A, FULLY SPRINKLED; 3 FLOORS PRIMARY STRUCTURAL FRAME: 1 HOUR EXTERIOR & INTERIOR BEARING WALLS: 1 HOUR EXTERIOR & INTERIOR NON-BEARING WALLS: 0 HOURS FLOOR CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS: 1 HOUR ROOF CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS: 1 HOUR ALL BUILDING ELEMENTS ARE NON-COMBUSTIBLE MATERIALS EXCEPT AS PERMITTED IN SECTION 603. THERE ARE NO MODIFICATIONS TO EXISTING OPENINGS, FIRE WALLS, ETC.	(SEC. 408.6.1, 408.8.1)
MAX ALLOWABLE AREA (SECT. 504.3)	EXISTING COURTHOUSE: NO CHANGE EXISTING LEC, PART 1: NO CHANGE EXISTING LEC, PART 2: NO CHANGE PROJECT SPACE IS WITHIN EXISTING LEC, PART 1, REUSING EXISTING SPACES.	(SECT. 506.3.3)
MAX ALLOWABLE HEIGHT IBC, 509.3	EXISTING COURTHOUSE: 3 STORY, NO CHANGE EXISTING LEC, PART 1: 3 STORY, NO CHANGE EXISTING LEC, PART 2: 3 STORY, NO CHANGE	(TABLE 504.3)
INCIDENTAL USES	AUTOMATIC SPRINKLER SYSTEM-REQUIRED, (ALL PORTIONS ARE SPRINKLED).	(TABLE 509)
OCCUPANT LOAD IBC 2021	EXISTING COURTHOUSE: EXISTING, NO OCCUPANCY CHANGE EXISTING LEC, PART 1: EXISTING, NO OCCUPANCY CHANGE; (690 OCCUPANTS) EXISTING LEC, PART 2: EXISTING, NO OCCUPANCY CHANGE; (492 OCCUPANTS)	
FIRE PARTITION	0 HOUR - CORRIDOR IF OCC. LOAD >30 WITH SPRINKLER	(TABLE 1020.1)
MIXED OCCUPANCY AREA SECT. 508.2	ACCESSORY OCCUPANCY: BUSINESS (B) STORAGE(S-2)	(SECT.508.2)
FIRE PROTECTION	BUILDING IS FULLY SPRINKLED WITH NFPA TYPE 13	(SEC. 903.2.1.3) SYSTEM
EGRESS CRITERIA	1. REFER TO LIFE SAFETY PLANS FOR COMPLIANCE 2. COMMON PATH OF EGRESS TRAVEL = 75 FT. COMPLIES 3. MAXIMUM DISTANCE OF TRAVEL = 250 FT. COMPLIES 4. MAXIMUM DEAD END CORRIDOR DISTANCE = 20 FT. COMPLIES	(SEC. 1016.2) (TABLE 1017.2) (SEC. 1020.4)
PLUMBING COUNT: 2018 ND PLUMBING CODE	PLUMBING FIXTURE REQUIREMENTS (IBC, TABLE 2901.2) EXISTING COURTHOUSE: NO CHANGE EXISTING LEC, PART 1: 6 ADDITIONAL TOILETS, SHOWERS & SINKS, NO CHANGE EXISTING LEC, PART 2: NO CHANGE	

SYMBOL LEGEND	
	TRAVEL DISTANCE TO EXIT COMMON PATH TRAVEL DISTANCE
	OCCUPANT LOAD
	EXIT LOAD
	FIRE EXTINGUISHER CABINET
	FIRE EXTINGUISHER

FIRE AND SMOKE WALL LEGEND



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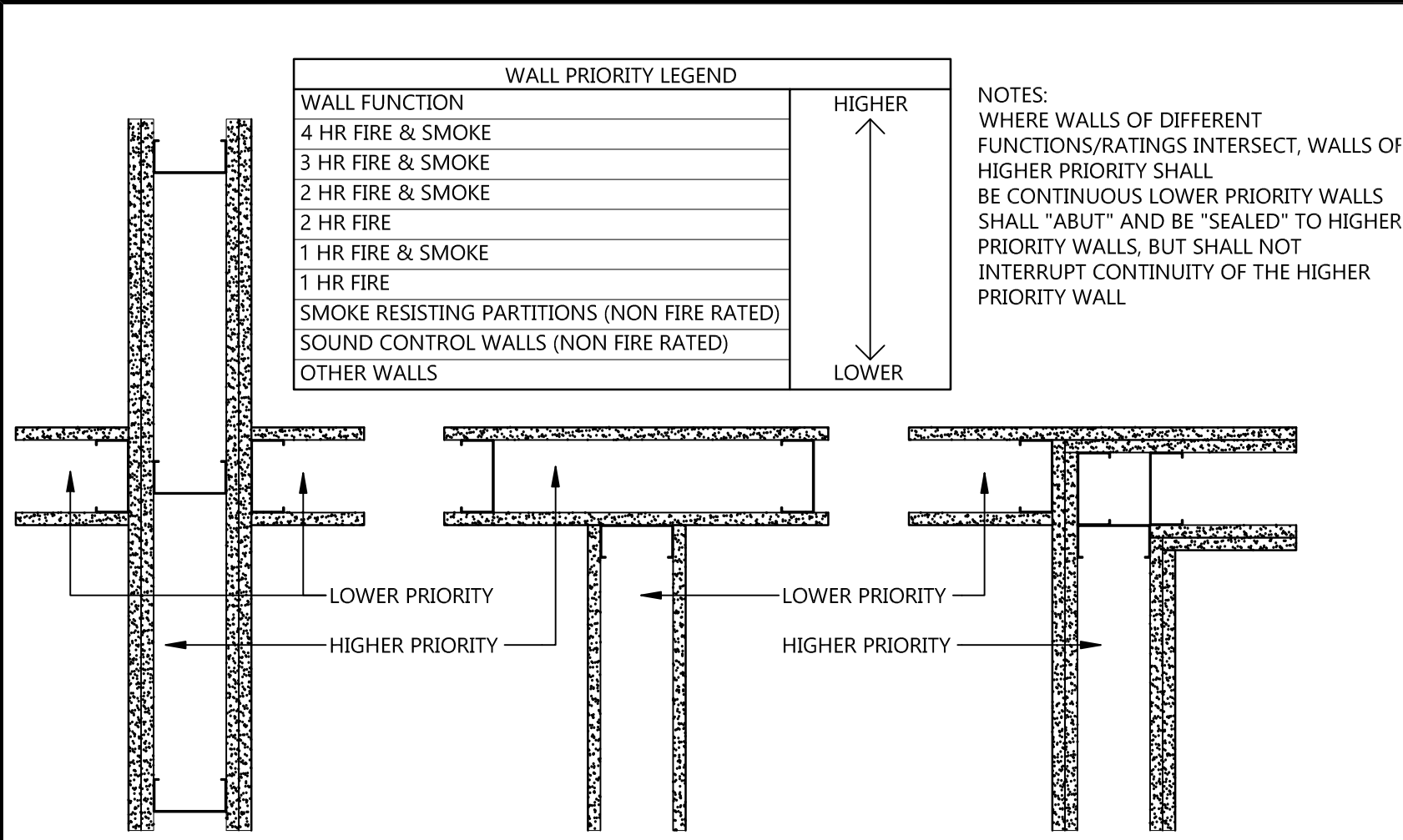
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Signature: *Burton E. Jauge*
Date: 06/09/2025 REG. NO.: 1132

DRAWING TITLE

CODE SHEET

G101



WALL TYPE NOTES

1. STUD SPACING: 12" O.C. TYPICAL, UNLESS OTHERWISE NOTED.
2. ALL PARTITIONS EXTEND FROM FLOOR TO DECK.
3. PARTITIONS TO HAVE ACOUSTICAL INSULATION AND SEALANT WHERE MEETING FLOOR/DECK.
4. PLACE CONTROL JOINTS IN STUD WALLS AT 30 FEET INTERVAL MAX (OR TO THE CLOSEST OPENING).
5. REFER TO A201 FOR WALL TAGS LOCATIONS.
6. AT ALL LOCATIONS, COORDINATE WALLS WITH INTERIOR ELEVATIONS AND PROVIDE CONTINUOUS BLOCKING AS REQUIRED FOR CABINET INSTALLATION AND OWNER FURNISHED EQUIPMENT INDICATED.
7. AT EXISTING WALLS WHERE DEMOLITION OCCURS, FILL ON OPENINGS. AT RATED WALLS, FILL OPENINGS W/ MATERIALS RATED FOR WALL RATING & FOR DETENTION SECURITY.

A	
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ACC	ACCESSIBLE
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN WITH DISABILITIES ACT
ADD	ADDENDUM
ADI	ADJACENT / ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AL	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APL	ACRYLIC PANEL
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECT / ARCHITECTURAL
AVE	AVENUE
AVG	AVERAGE
AWP	ACOUSTIC WALL PANEL
B	
BB	BOND BEAM
BD	BOARD
BFD	BI-FOLD DOOR
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BLVD	BOULEVARD
BM	BEAM
BO	BOTTOM OF / BY OTHERS
BOT	BOTTOM
BR	BEDROOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
C	
CAB	CABINET
CC	CUBICAL CURTAINS
CD	CONSTRUCTION DOCUMENTS
CF	CUBIC FOOT
CFCI	CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED
CFCS	COLORLED/SEALED/STAINED CONCRETE
CFS	CORK FLOOR SHEET
CFT	CORK FLOOR TILE
CGR	CORNER GUARD
CG	CORNER GUARDS
CHRL	CHAIR RAIL
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COIL	COILING DOOR
COL	COLUMN
COMP	COMPOSITE / COMPOSITION

C CONT	
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CPTD	COMMON PATH TRAVEL DISTANCE
CTD	CURTAIN ROD
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTOP	COUNTER TOP
CTR	CENTER
CTW	CERAMIC TILE WALL
CU	CUBIC
CY	CUBIC YARD
D	
D	DEPTH / CLOTHES DRYER
D	DECEMBER
DB	DECIBEL
DBL	DOUBLE
DEMO	DEMOLISH / DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
E	
E	EAST
EA	EACH
EB	EXPANSION BOLT
EC	ELECTRICAL CONTRACTOR
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EP	ELECTRICAL PANEL / END PANEL
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQUIP	EQUIPMENT
ESD	ELECTRO STATIC DISCHARGE VINYL TILE
ETR	EXISTING TO REMAIN
EW	ELECTRIC WATER COOLER
EX	EXISTING
EXA	EXIT ACCESS
EXD	EXIT DISCHARGE
EXT	EXTERIOR

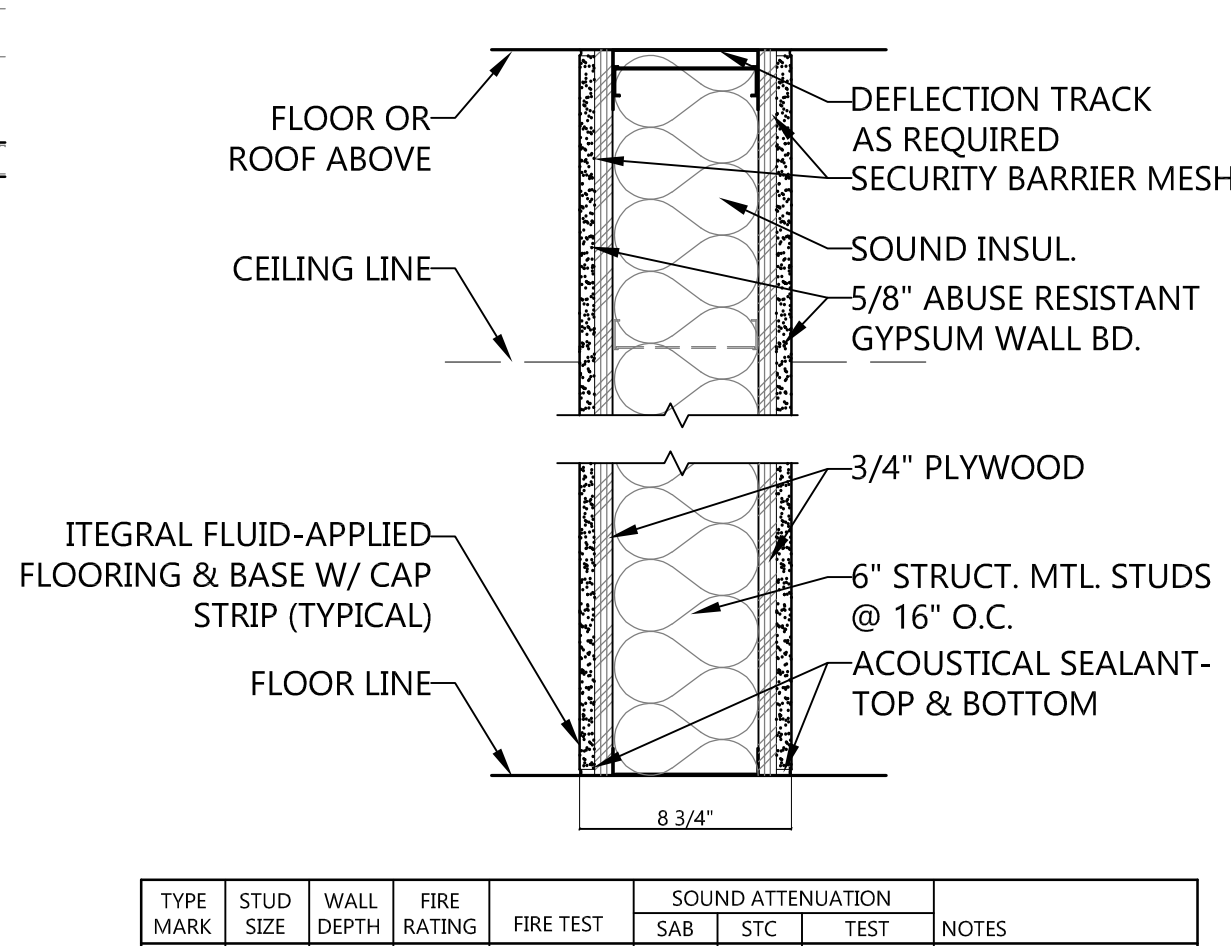
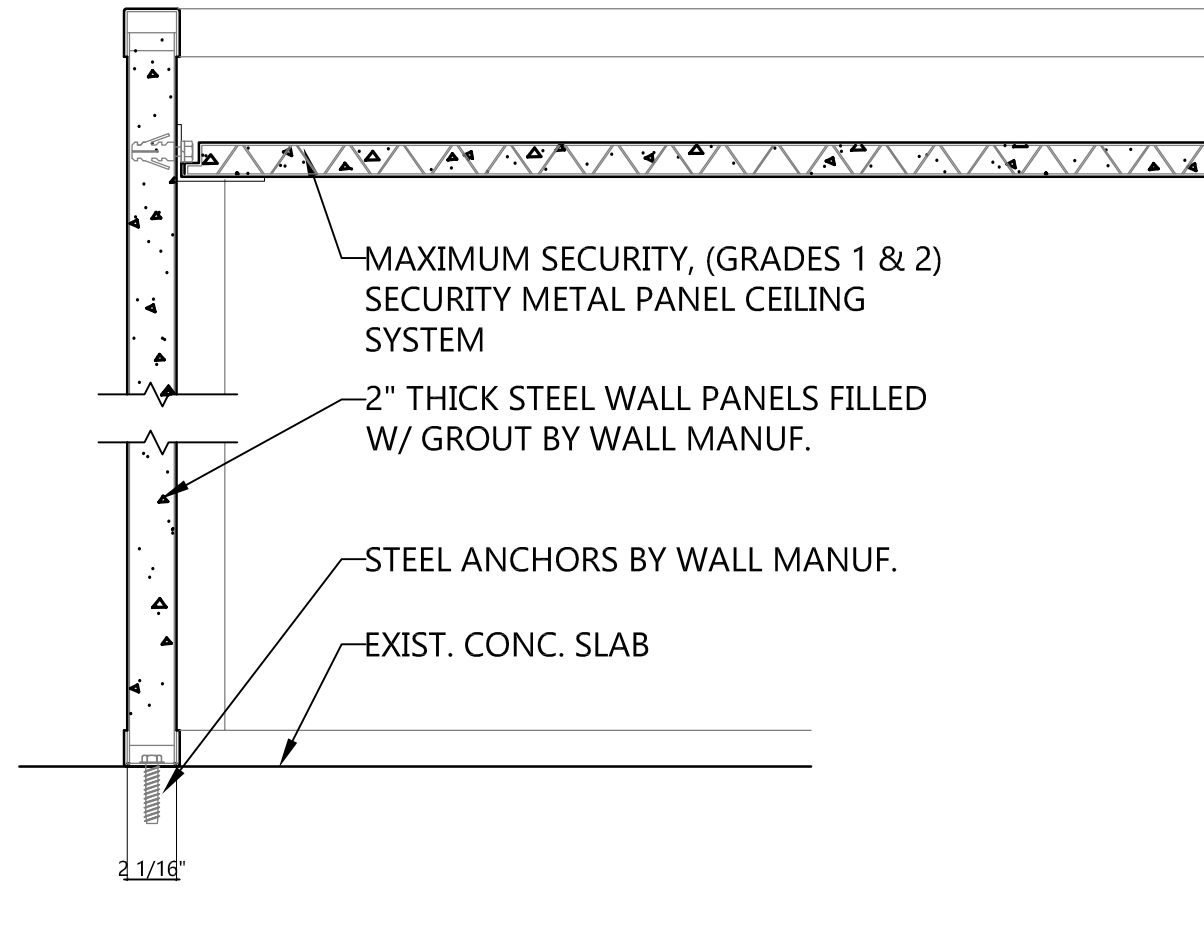
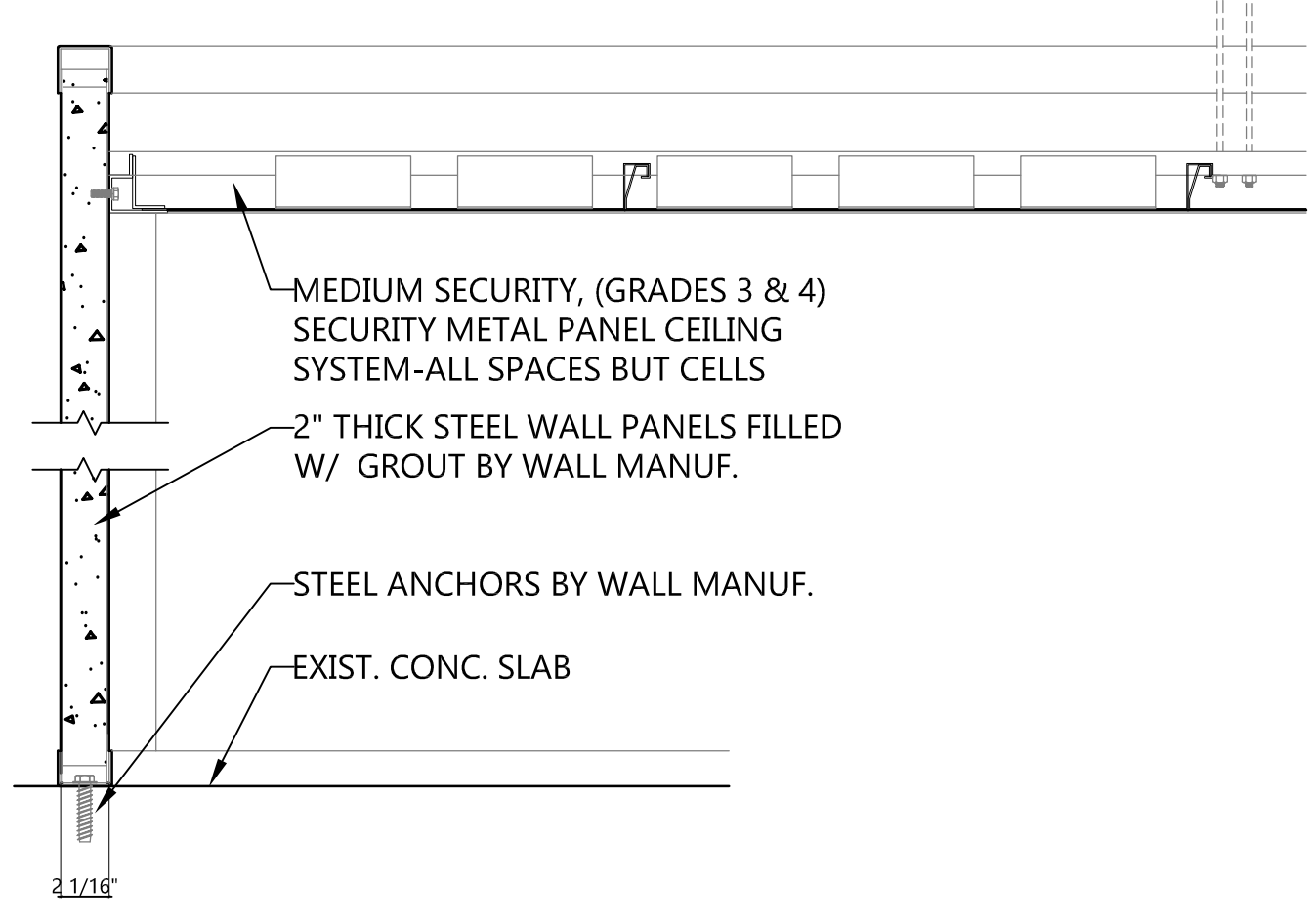
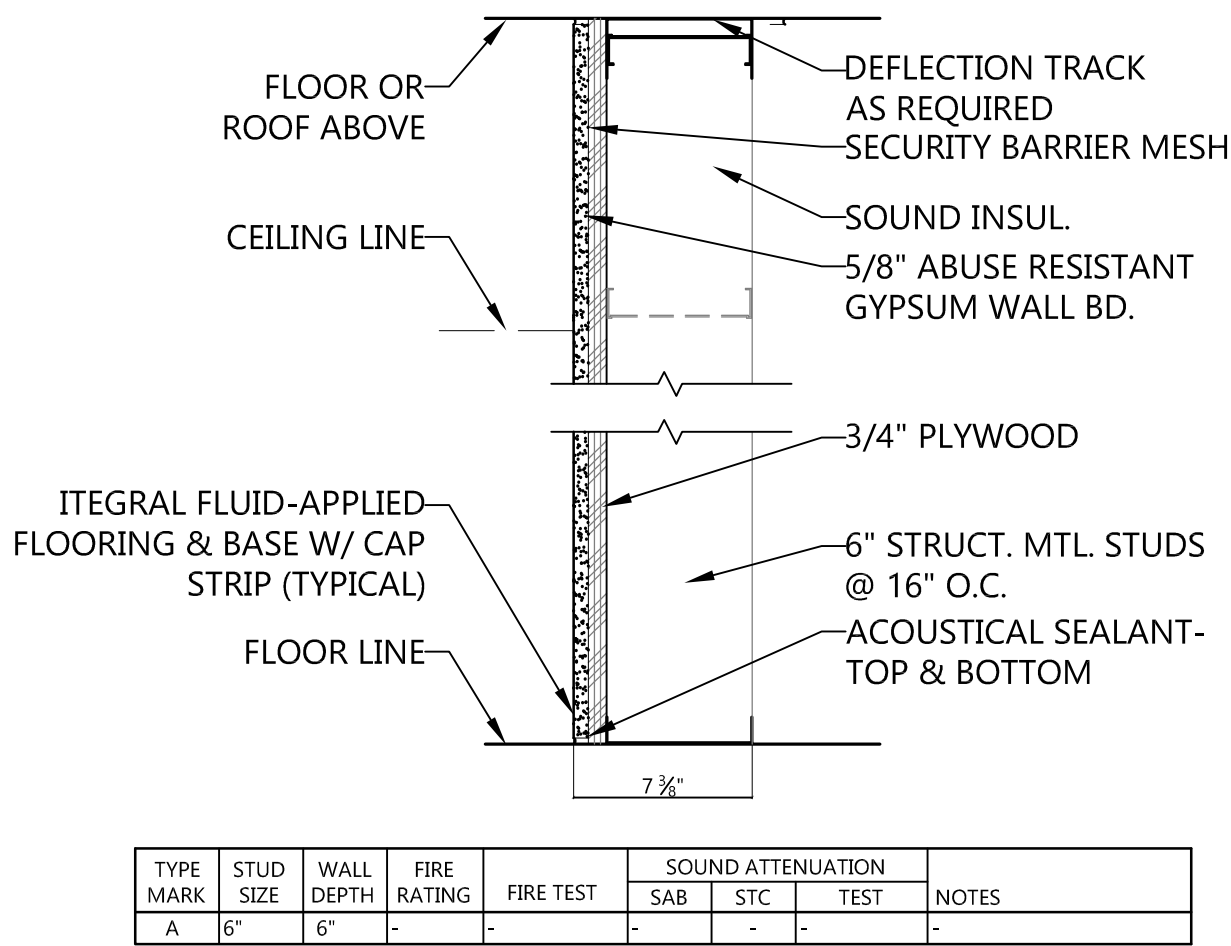
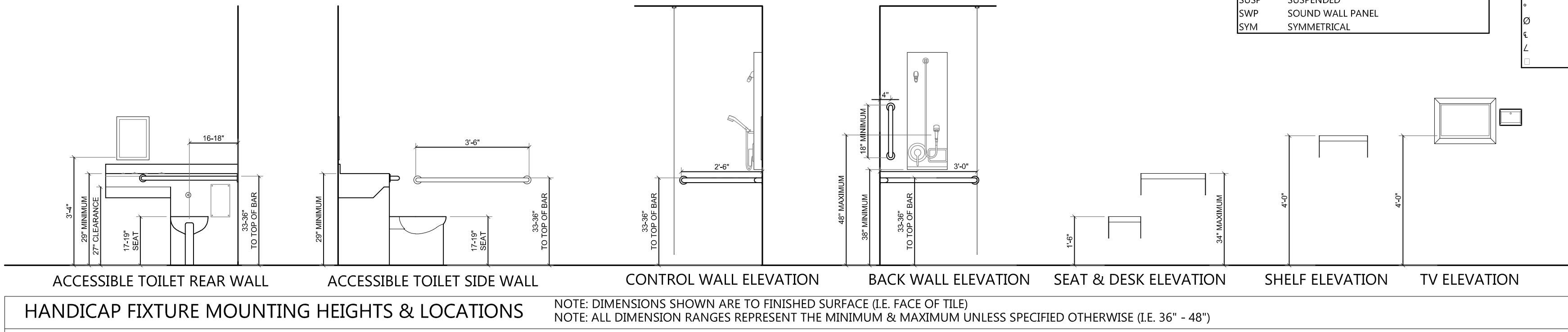
F	
F/R	FAHRENHEIT
F/R	FIRE RATED
FB	FIRE BARRIER
FBD	FIBER BOARD
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FG	FLOAT GLASS
FIN	FINISH
FLASH	FLASHING
FLR	FLOOR
FOF	FACE OF FINISH
POS	FACE OF STUDS
FOW	FACE OF WALL
FP	FIRE PROTECTION / FIRE PARTITION
FR	FIRE RESISTANT
FRMG	FRAMING
FRP	FIBERGLASS REINFORCED PANEL
FRZ	FREEZER
FT	FEET / FIRE TREATED
FTG	FOOTING
FURN	FURNISH / FURNISHINGS
FURR	FURRING
FUT	FUTURE
PW	FIRE WALL
EWP	FABRIC WRAP PANEL
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GDC	GYMNASIUM DIVIDER CURTAINS
GL	GLASS / GLAZING / GLAZED
GLAM	GLUE-LAMINATED WOOD
GW	GYPSUM WALL BOARD
GYP	GYPSUM
H	
H	HIGH
HC	HOLLOW CORE
HDBD	HARDBOARD
HDR	HEADER
HDM	HARDWOOD
HDWE	HARDWARE
HEX	HORIZONTAL EXIT
HM	HOLLOW METAL
HNR	HANDRAILS
MDF	HOLD TO INDICATED DIMENSION
HORIZ	HORIZONTAL
MECH	MECHANICAL
HP	HIGH POINT
HR	HOUR
HSP	HOUSEKEEPING
HTK	HEIGHT

I	
ID	INSIDE DIAMETER / INSIDE DIMENSION
IG	INSULATING GLASS
IJ	ISOLATION JOINT
IN	INCHES
INFO	INFORMATION
INSP	INSPECTION / INSPECTOR
INST	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
INT STN	INTERIOR STONEWORK
IR	IMPACT RESISTANT
IRD	IMPACT RESISTANT DOORS
ISO	ISOLATION / INTERNATIONAL STANDARDS ORGANIZATION
J	
JAN	JANITOR
JBE	JOIST BEARING ELEVATION
JST	JOIST
JT	JOINT
K	
KIT	KITCHEN
KO	KNOCK OUT
KP	KICK PLATE
L	
LAB	LABORATORY
LAM	LAMINATED
LAV	LAVATORY
LB	POUND
LH	LEFT-HAND
LHR	LEFT-HAND REVERSED
LOCK	LOCKER
LP	LOW POINT
LR	LIVING ROOM
LSC	NFPA 101 LIFE SAFETY CODE
LSG	LAMINATED SAFETY GLASS
LT	LIGHT
LTWT	LIGHTWEIGHT
LVT	LUXURY VINYL TILE
M	
MA	MEDICAL AIR
MACH	MACHINE
MAINT	MAINTENANCE / MAINTAIN
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MBR	MASTER BEDROOM
MC	MECHANICAL CONTRACTOR
MCW	MINERAL CORE WOOD
MD	MEDIUM-DENSITY FIBERBOARD
MECH	MECHANICAL
MED	MEDICAL / MEDICINE
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER / MANUFACTURING

M CONT	
MIN	MINIMUM / MINUTE
MIRR	MIRROR
MISC	MISCELLANEOUS
MKB	MARKER BOARD
MO	MASONRY OPENING
MOD	MODIFY / MODULE
MP	METAL PANEL
MTC	METAL TOILET COMPARTMENT
MTD	MOUNTED
MTL	METAL
MULL	MULLION
MULT	MULTIPLE
MWP	MODULAR/FOLDING PARTITION
N	
N	NORTH / NITROGEN
NZO	NITROUS OXIDE
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NOT RATED
NTS	NOT-TO-SCALE
O	
O2	OXYGEN
O/C	ON-CENTER
OA	OVERALL
OD	OUTSIDE DIAMETER / OUTSIDE DIMENSION
OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OFCI	OWNER FURNISHED AND OWNER INSTALLED
OH	OVERHEAD
OL	OCCUPANT LOAD
OLF	OCCUPANT LOAD FACTOR
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OZ	OUNCE
P	
P	POWER
PA	PUBLIC ADDRESS
PB	PARTICLE BOARD
PC	PRECAST
PERF	PERFORATED
PERP	PERPENDICULAR
PH	PLATE GLASS
PIR	POLYISOCYANURATE RIGID INSULATION
PL	PLATE / PROPERTY LINE
PLAM	PLASTER LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	POLISH
PP	PUSH PLATE
PR	PREFAB
PROVID	PROVIDED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED / POINT / POST-TENSIONED
PTC	PLASTIC TOILET COMPARTMENT
PTD	PAPER TOWEL DISPENSER
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWC	PROTECTIVE WALL COVERING

Q	
QT	QUARRY TILE
QTR	QUARTER
R	
R	RISER / RADIUS
R&S	ROD & SHELF
RAD	RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN / ROAD
REBAR	REINFORCING BAR
REC	RECESSED
RECEP	RECEPTION
RECEP	RECEPTACLE
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTRATION / REGISTER
REINF	REINFORCED
REIN	REMOVE / REMOTE
REQ(D)	REQUIRED
RES	RESILIENT
RES	RESINOUS FLOORING
RET	RETAINING / RETURN
REV	REVERSE / REVISION
RH	RIGHT HAND
RL	RAILLEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RSF	RESILIENT SHEET FLOOR
RTF	RESILIENT TILE FLOOR
S	
S	SOUTH / SHELF
SB	SMOKE BARRIER
SC	SOLID CORE / SHOWER CURTAINS / SMOKE COMPARTMENT
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCR	SHOWER CURTAIN ROD
SCS	SPECIALTY CEILING SYSTEM (WOOD/METAL)
SCWD	SOLID CORE WOOD DOOR
SCX	SMOKE COMPARTMENT EXIT
SD	SOAP DISPENSER / SEE DETAIL
SEC	SECOND
SECT	SECTION
SF	SQUARE FEET
SGC	STAGE CURTAINS
SHT	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SL	SLOPE
SLT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNW	SANITARY NAPKIN WASTE RECEPTACLE
SP	SPANDREL PANEL / SMOKE PARTITION
SPEC	SPECIFICATION
SQ	SQUARE
SFS	SOLID SURFACE
SSTL	STAINLESS STEEL
ST	STONE
STA	STATION
STC	SOUND-TRANSMISSION CLASS
STD	STANDARD
STE	SUITE
STL	STEEL
STN	WOOD STAINING
STOR	STORAGE
STR	STAIR TREADS/RISERS
STRUCT	STRUCTURE / STRUCTURAL
STX	SUITE EXIT
SURF	SURFACE
SUSP	SUSPENDED
SWP	SOUND WALL PANEL
SYM	SYMMETRICAL

T	
T	TOP / TREAD / TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TA	TOILET ACCESSORIES
TB	TOWEL BAR
TBD	TO BE DETERMINED
TDX	TRAVEL DISTANCE TO EXIT
TEL	TELEPHONE
TEMP	TEMPERED / TEMPORARY / TEMPERATE
TER	TERRAZZO
TFF	TOP OF FOOTING ELEVATION
TFF	TOP OF FINISH FLOOR
TG	TEMPERED GLASS
THK	THICK
THS	THRESHOLD
TIE	TOP OF JOIST ELEVATION
TKBD	TACK BOARD
TLT	TOILET
TO	TOP OF
TOL	TOLERANCE
TOPO	TOPOGRAPHICAL
TPD	TOILET PAPER DISPENSER
TRS	TRANSITION STRIPS
TSE	TOP OF SLAB ELEVATION
TWE	TOP OF WALL ELEVATION
TYP	TYPICAL
U	
UC	UNDER COUNTER
UG	UNDERGROUND
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPH	FABRIC/VINYL
UTIL	UTILITY
V	
V	VINYL
VAC	VACUUM
VAR	VARIABLE / VARNISH / VARIES
VCT	VINYL-COMPOSITION TILE
VER	VERIFY
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VWC	VINYL WALL COVERING
W	
W	WEST / WIDE / CLOTHES WASHER
W/	WITH / WHERE
W/O	WITHOUT
WAIN	WAINSCOT
WC	WATER CLOSET
WD	WOOD
WDT	WINDOW TREATMENTS
WDW	WINDOW
WG	WALL GUARD
WH	WATER HEATER / WALL HYDRANT
WP	WATER PROOF
WR	WASTE RECEPTACLE
WRL	WALL RAIL
WS	WEATHER STRIPPING
WT	WEIGHT
X	
X	
XFMR	POWER TRANSFORMER
XPS	EXTRUDED POLYSTYRENE
Y	
YD	YARD
SPECIAL SYMOBLS	
#	POUND / NUMBER
/	PER
AT	AT
@	DEGREE
Ø	DIAMETER
€	CENTERLINE
∠	ANGLE
⊥	PERPENDICULAR



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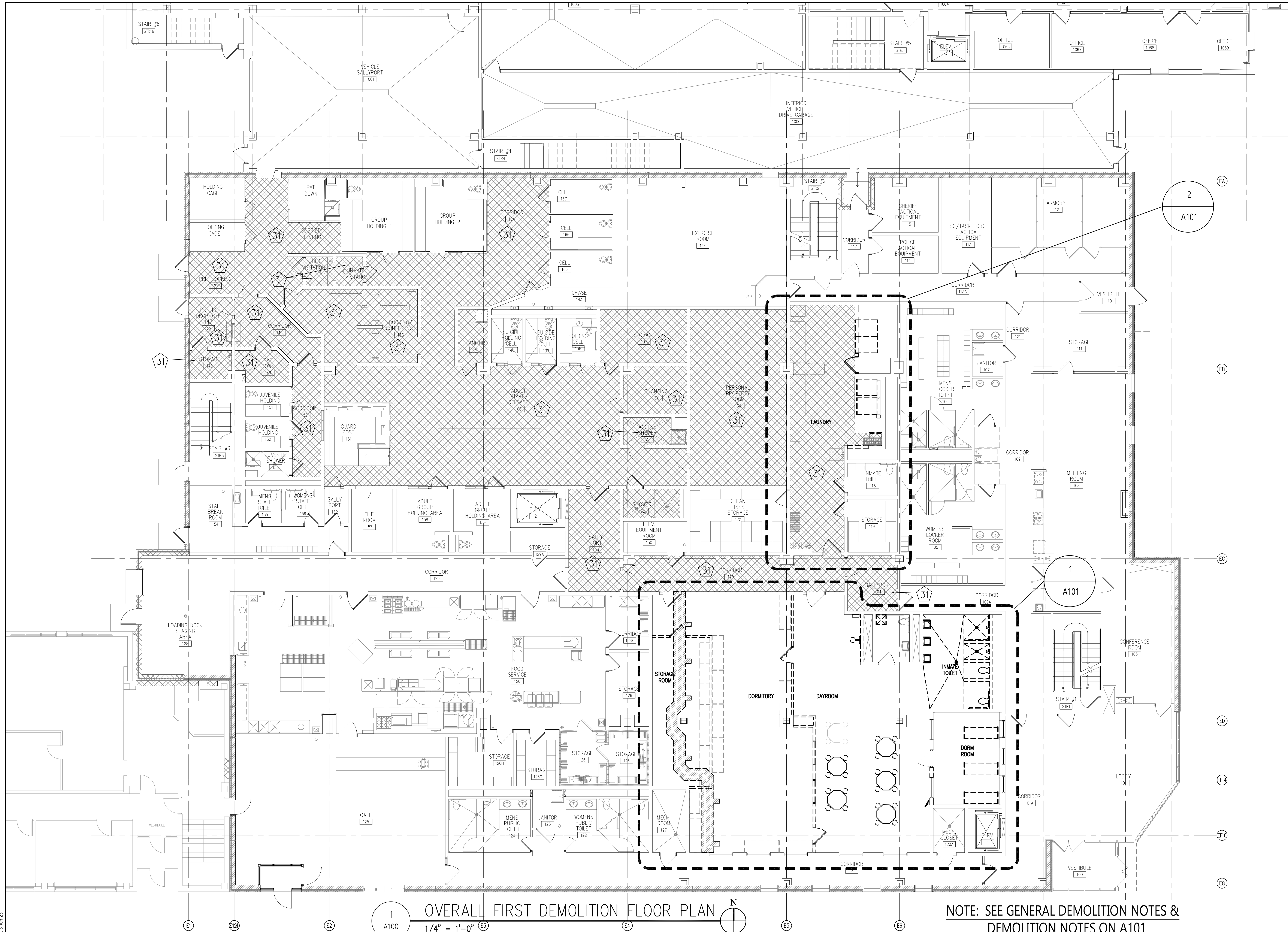
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LAW ENFORCEMENT
CENTER INFIRMARY

WILLISTON
ND

ISSUE DATES

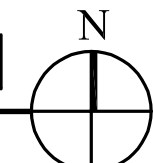
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DRAWING TITLE	WALL TYPES	
A021		

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Rev Date: 5-Jan-25



1
A100

OVERALL FIRST DEMOLITION FLOOR PLAN
1/4" = 1'-0" E3



NOTE: SEE GENERAL DEMOLITION NOTES &
DEMOLITION NOTES ON A101



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DRAWING TITLE
OVERALL FIRST FLOOR
DEMOLITION PLAN

A100

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Rev Date 5-Jan-25

2
A101

ENLARGED DEMOLITION FLOOR PLAN

1/4" = 1'-0"

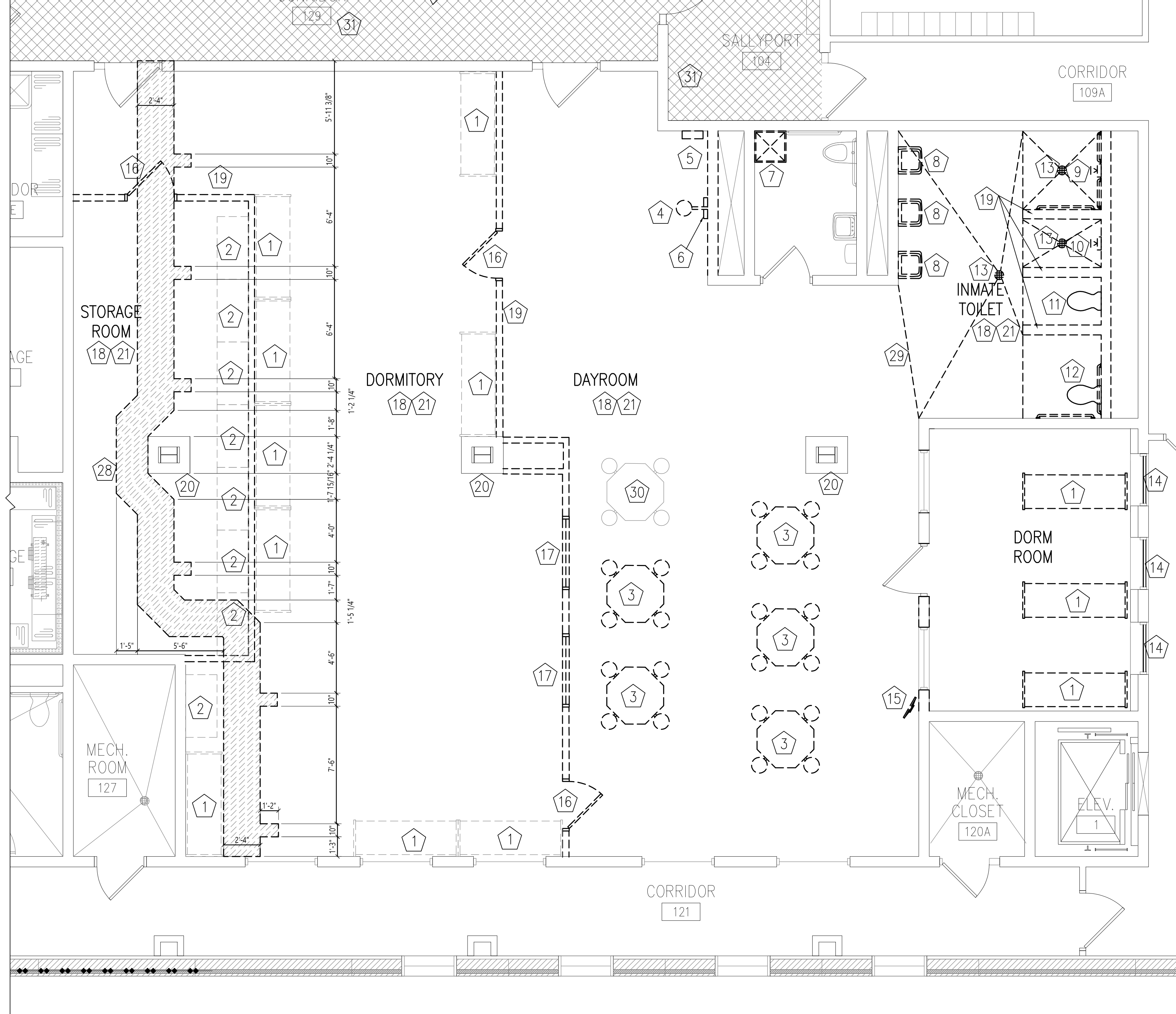
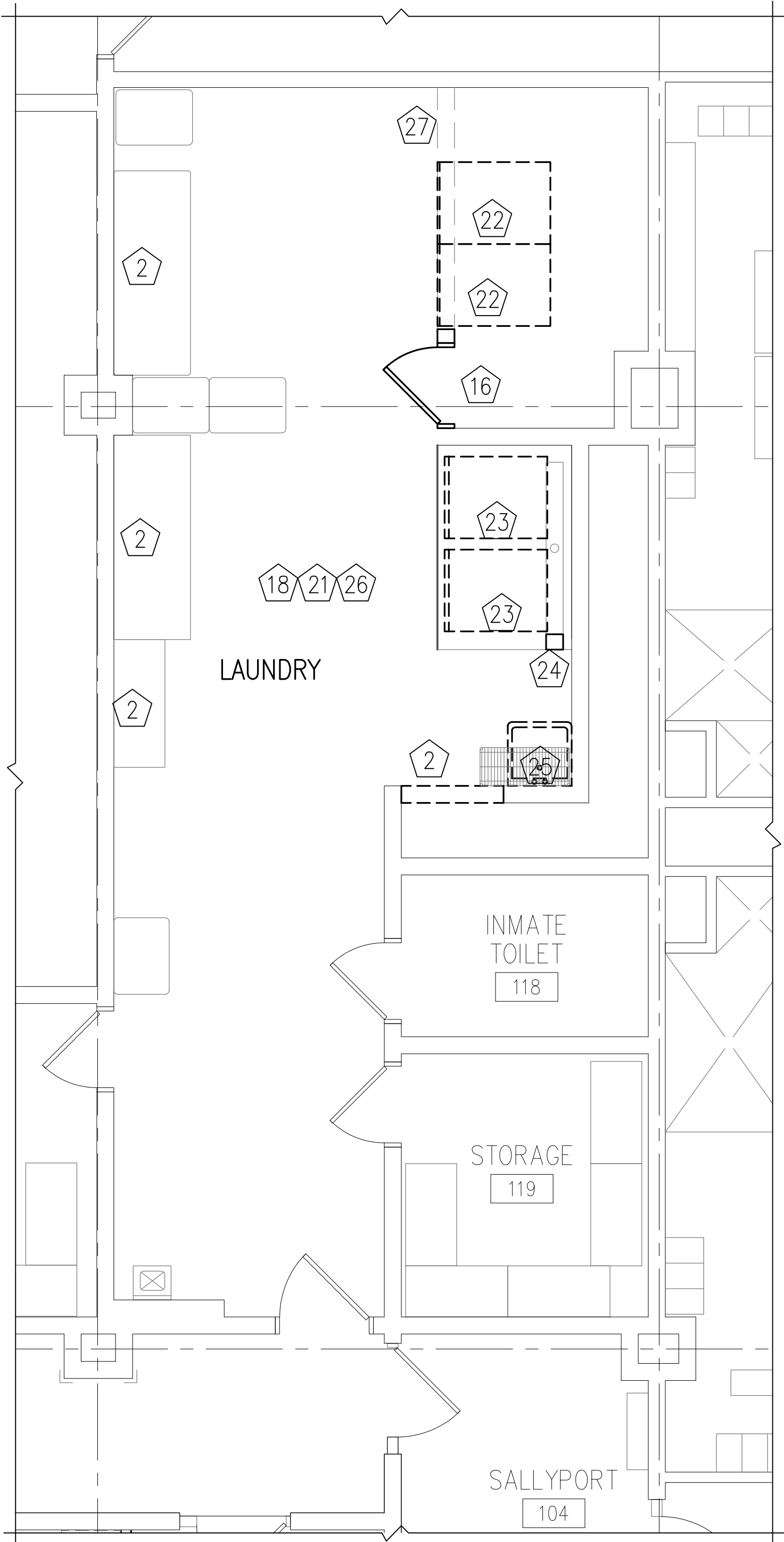


GENERAL DEMOLITION NOTES:

- A. PATCH OR REPAIR ALL HOLES @ FLOORS, WALLS AND CEILINGS WHERE NEW FINISHES ARE INDICATED ON ROOM FINISH SCHEDULE OR AS NECESSARY TO MATCH EXISTING ADJACENT SURFACES TO INCLUDE GROUTING AND LEVELING FLOOR AND OR PLASTER PATCHING WALLS.
- B. REMOVE FINISHES ON EXISTING FLOORS, WALLS, AND CEILINGS WHERE NEW FINISHES ARE INDICATED ON ROOM FINISH SCHEDULE, UNLESS NOTED OTHERWISE.
- C. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY OR ALL ITEMS SUBJECT TO DEMOLITION - WHEN ITEMS ARE REQUESTED TO BE TURNED OVER TO THE OWNER, THE OWNER WILL MAKE NECESSARY ARRANGEMENTS FOR TRANSPORTATION TO THE STORAGE LOCATION -ANY & ALL ITEMS NOT REQUESTED FOR OWNER SALVAGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.
- D. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION. COORDINATE WITH PLUMBING AND ELECTRICAL CONTRACTORS AS NECESSARY TO CONDUCT WORK. CUT, PATCH & REPAIR TO RESTORE SURFACES TO BE READY FOR FINISHES, UNLESS OTHERWISE NOTED.
- E. WHEN TEMPORARY BARRIERS ARE PLACED IN CORRIDORS, ALLOW CLEARANCE FOR ACCESS OF OCCUPANTS TO THE ADJACENT AREAS.
- F. ALL EXISTING MOVABLE FURNITURE/EQUIPMENT WILL BE MOVED BY OWNER PRIOR TO CONSTRUCTION UNLESS OTHERWISE NOTED.
- G. ALL DEBRIS REMOVED FROM CONSTRUCTION AREA MUST BE COVERED WHEN TRANSPORTED FROM BUILDING.

DEMOLITION NOTES:

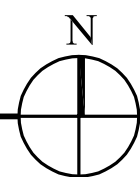
- 1 REMOVE EXISTING BUNKS & TURN OVER TO THE OWNER.
- 2 REMOVE EXIST. SHELVING & TURN OVER TO THE OWNER.
- 3 REMOVE EXIST. FLOOR MOUNTED SECURITY TABLES W/ SEATS & TURN OVER TO THE OWNER.
- 4 REMOVE EXIST. WALL MOUNTED SECURITY SEAT & TURN OVER TO THE OWNER.
- 5 REMOVE EXIST. WALL MOUNTED TABLE CHARGER & TURN OVER TO THE OWNER.
- 6 REMOVE EXIST. WALL MOUNTED INMATE COMMUNICATION KIOSK & TURN OVER TO OWNER.
- 7 REMOVE EXIST. FLOOR SINK & FAUCET, CAP ALL LINES. VERIFY W/ MECHANICAL.
- 8 REMOVE EXIST. WALL MOUNTED LAVATORY & MIRRORS, CAP ALL LINES. TURN MIRRORS OVER TO THE OWNER. VERIFY W/ MECHANICAL.
- 9 REMOVE EXIST. WALL MOUNTED SECURITY HANDICAP SHOWER UNIT, ROBE HOOK, SHOWER ROD, & GRAB BARS. TURN OVER TO THE OWNER. CAP ALL LINES, VERIFY W/ MECHANICAL.
- 10 REMOVE EXIST. WALL MOUNTED SECURITY SHOWER UNIT & SHOWER ROD. TURN OVER TO THE OWNER. CAP ALL LINES VERIFY W/ MECHANICAL.
- 11 REMOVE EXIST. FLOOR MOUNTED SECURITY TOILET UNIT, SHOWER ROD & CAP ALL LINES. CAP ALL LINES. VERIFY W/ MECHANICAL.
- 12 REMOVE EXIST. FLOOR MOUNTED SECURITY HANDICAP TOILET UNIT, SHOWER ROD, & GRAB BARS. TURN GRAB BARS & SHOWER ROD OVER TO THE OWNER. CAP ALL LINES VERIFY W/ MECHANICAL.
- 13 CAP FLOOR DRAINS & LEVEL FLOOR. CAP ALL LINES, VERIFY W/ MECHANICAL.
- 14 REMOVE EXIST. BROKEN SECURITY GLAZING & REPLACE W/ NEW SECURITY GLAZING AS SPECIFIED.
- 15 REMOVE EXIST. WALL MOUNTED TELEVISION & SECURITY WIRE BOX. TURN OVER TO THE OWNER.
- 16 REMOVE EXIST. DOOR, FRAME, & HARDWARE. TURN OVER TO THE OWNER.
- 17 REMOVE EXIST. ONE-WAY WINDOWS. TURN OVER TO THE OWNER.
- 18 COMPLETELY REMOVE EXIST. CEILING.
- 19 COMPLETELY REMOVE EXIST. WALL & BASE.
- 20 EXIST. MASONRY COLUMNS TO REMAIN.
- 21 REMOVE EXIST. SECURITY CAMERAS & TURN OVER TO THE OWNER.
- 22 REMOVE EXIST. DRYERS, TURN OVER TO THE OWNER.
- 23 REMOVE EXIST. WASHING MACHINES, TURN OVER TO THE OWNER.
- 24 EXIST. CONC. WASHING MACHINE PEDESTAL TO REMAIN. MODIFY PER DRAWINGS & MECH.
- 25 REMOVE & SALVAGE EXIST. SLOP SINK & FAUCET FOR RELOCATION.
- 26 REMOVE EXIST. FLOOR & BASE. SEE A900 SERIES SHEETS FOR FLOOR REPLACEMENT.
- 27 REMOVE EXIST. DRYWALL & MTL. STUD WALL AND MASONRY ABOVE.
- 28 SAW CUT & REMOVE EXIST. CONC. SLAB COORDINATE W/ MECH. & PLUMBING CONTRACTOR.
- 29 PREPARE EXIST. SLOPED CONC. FOR LEVELING MATERIALS. CUT DOWN PER MANUFACTURERS RECOMMENDATIONS MINIMUM 1".
- 30 REMOVE, STORE, & REINSTALL EXIST. MTL. TABLE & SEATS
- 31 NOTE ON A100. SEE A900 SERIES SHEETS FOR FLOOR REPLACEMENT.



1
A101

ENLARGED DEMOLITION FLOOR PLAN

1/4" = 1'-0"



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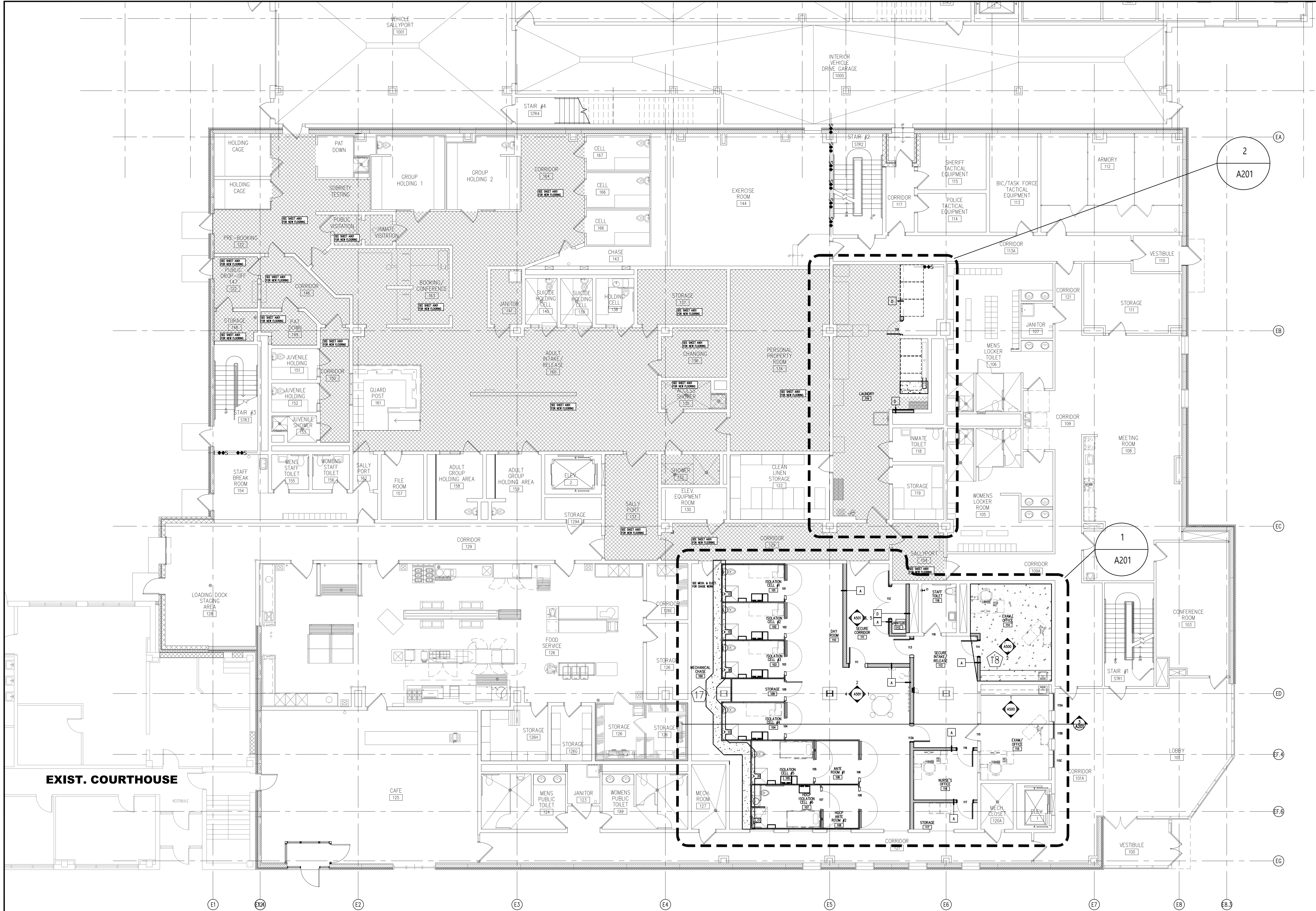
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Date: 06/09/2025 REG. NO.: 1132

DRAWING TITLE
**EXIST. FIRST FLOOR
PLAN**

A101

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DRAWING TITLE
FIRST FLOOR PLAN-
REMODELING

A200

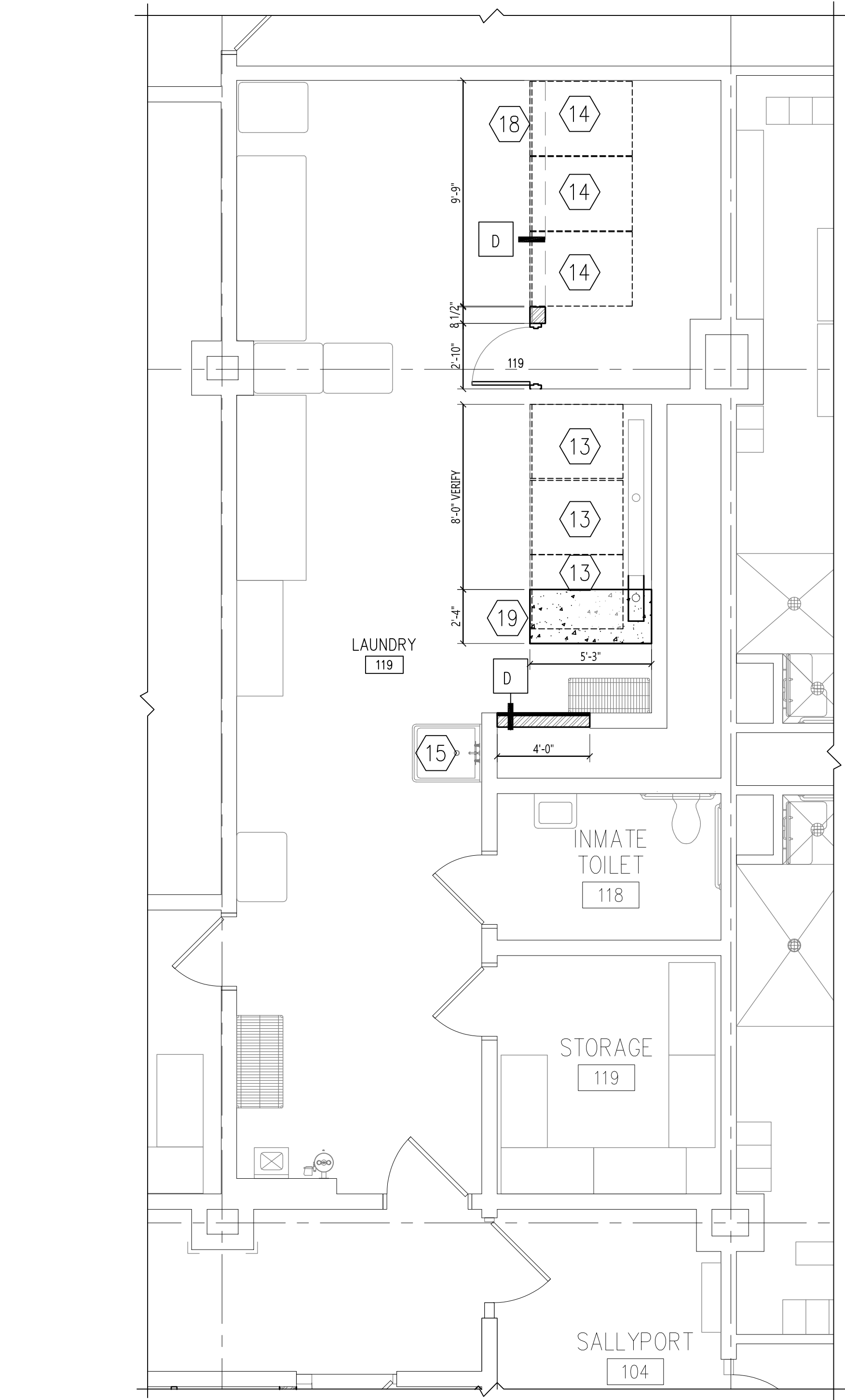
PLAN NOTES:

1. RELOCATED EXIST. FLOOR MOUNTED DETENTION TABLE & STOOLS.
2. FUTURE TELEVISION BY OWNER.
3. WALL MOUNTED ROTATING STOOL.
4. OWNER SUPPLIED, CONTRACTOR INSTALLED INMATE COMMUNICATION KIOSK.
5. OWNER SUPPLIED, CONTRACTOR INSTALLED TABLET CHARGER.
6. ELECTRIC HOSPITAL BED BY OWNER.
7. WALL MOUNTED TWIN BUNK. MATTRESS BY OWNER.
8. SMALL REFRIGERATORS BY OWNER.
9. 24"x58" EXAM TABLE BY OWNER.
10. WALL MOUNTED EXAM LIGHT.
11. REPLACE EXIST. GLAZING W/ NEW 2 3/8" DETENTION GLAZING.
12. PROVIDE FLOOR LEVELING WHERE EXIST. SLOPED FLOORS & DRAINS WERE LOCATED.
13. NEW COMMERCIAL WASHING MACHINES.
14. NEW COMMERCIAL DRYERS.
15. RELOCATED SLOPE SINK.
16. DETENTION FIRE EXTINGUISHER CABINET & FIRE EXTINGUISHER.
17. REPAIR FLOOR @ SAW CUT AREA TO MATCH EXIST.
18. USE FLOOR LEVELING MATERIAL AT SLOPED FLOOR AREA. PREPARE FLOOR PER MANUFACTURER RECOMMENDATIONS.

19. PROVIDE ADDITIONAL CONC. BASE FOR NEW WASHING MACHINE. EXTEND EXIST. INSET DRAIN AREA.
20. AT EXISTING WALLS WHERE DEMOLITION OCCURS, FILL ON OPENINGS. AT RATED WALLS, FILL OPENINGS W/ MATERIALS RATED FOR WALL RATING & FOR DETENTION SECURITY.

BUILDING SECTION

1/4" = 1'-0"

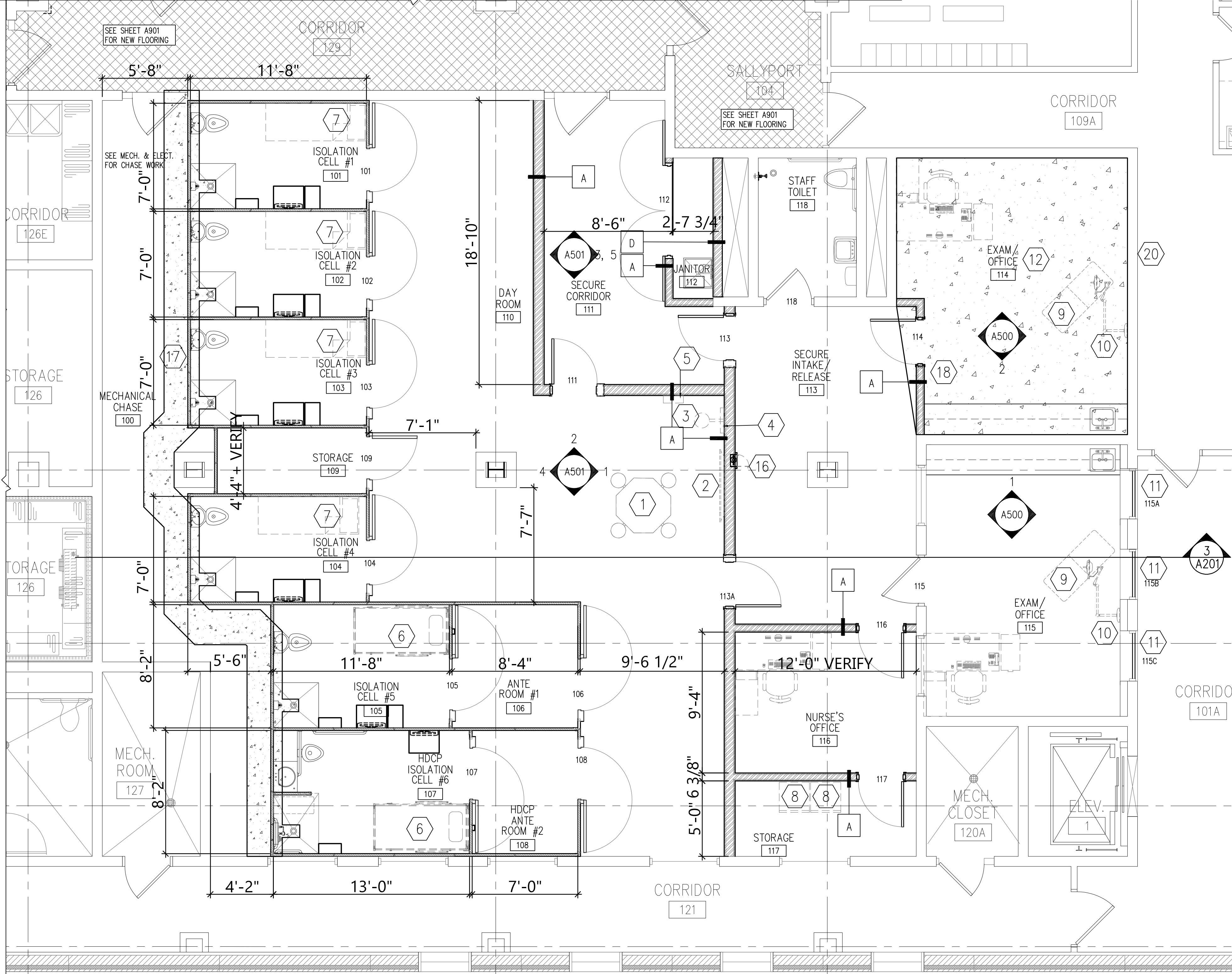


ENLARGED LAUNDRY FLOOR PLAN

1/4" = 1'-0"

NOTES:

1. SEE MECHANICAL & ELECTRICAL FOR MECHANICAL CHASE 101 WORK.



ENLARGED FLOOR PLAN

1/4" = 1'-0"



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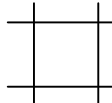



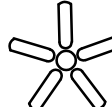
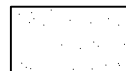









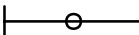



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Date: 06/09/2025 REG. NO.: 1132

DRAWING TITLE
FIRST FLOOR PLAN-
ENLARGED PLAN

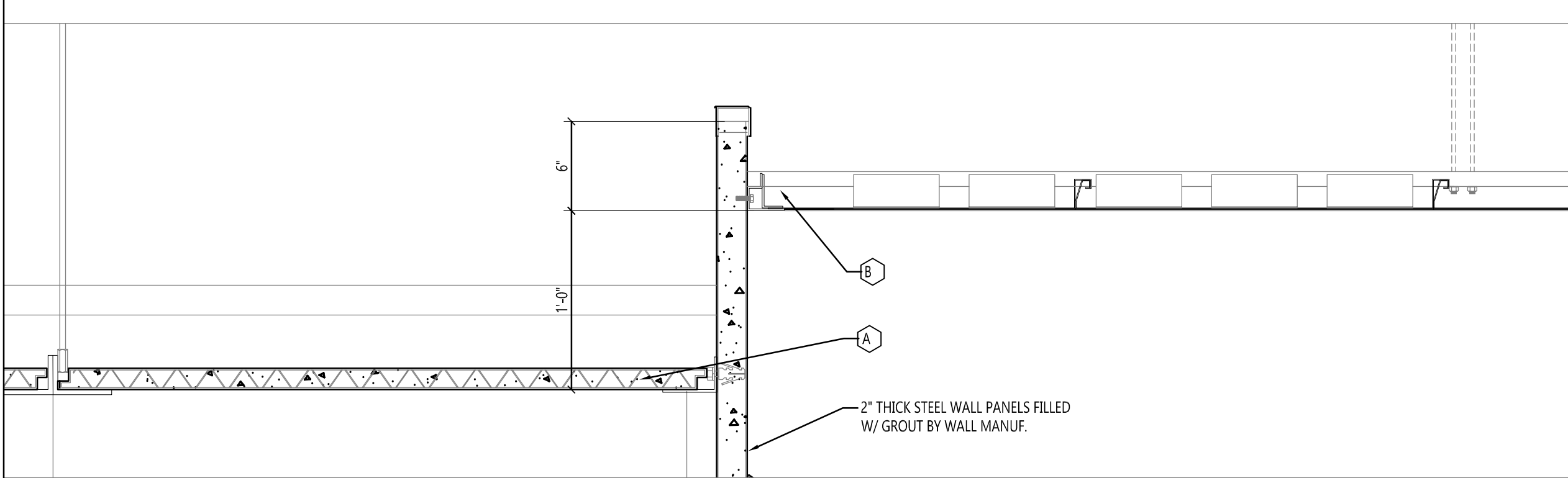
A201

CEILING PLAN SYMBOLS

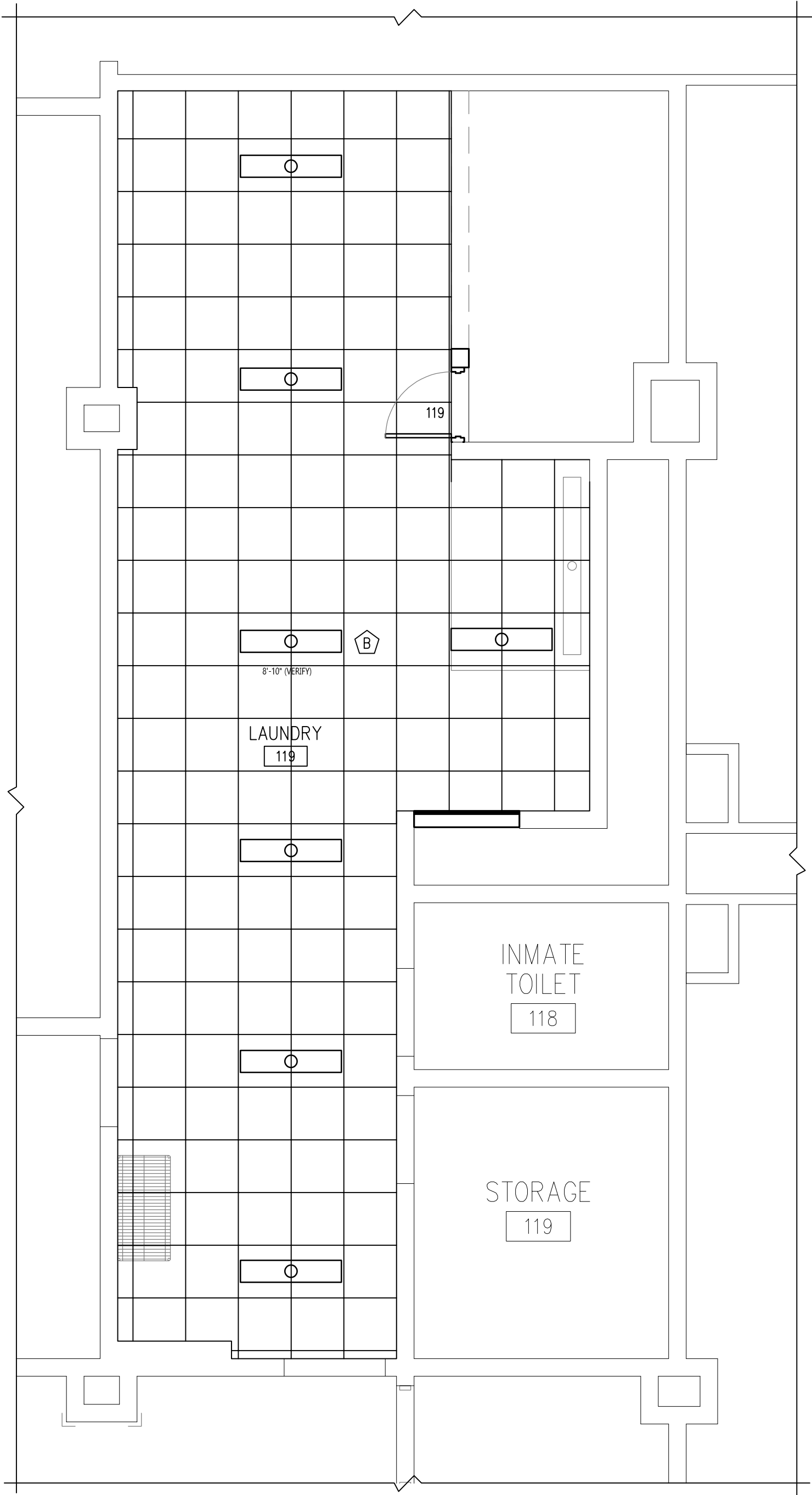
AIR DISTRIBUTION SYMBOLS					
	DIFFUSER SUPPLY		24" x 24" GRID 18 GAUGE CEILING SYSTEM W/ ROCKWOOL BATT INSU. ON TOP OF PANEL		
	DIFFUSER RETURN				
	ACCESS PANEL				
	SLOT OR LINEAR DIFFUSER OR RETURN				
	CEILING FAN		GYPSUM WALL BOARD OR PLASTER		
MISCELLANEOUS					
	SECURITY CAMERA				2x4 LAY-IN
	SPEAKER				2x2 LAY-IN
	SMOKE DETECTOR		1x4 LAY-IN		
	VENT		SURFACE MOUNTED		
	SPRINKLER HEAD		SURFACE MOUNTED STRIP LIGHT FIXTURE		
			SURFACE MOUNTED CAN		
			RECESSED CAN		
			EXIT LIGHT		

REFLECTED CEILING PLAN NOTES:

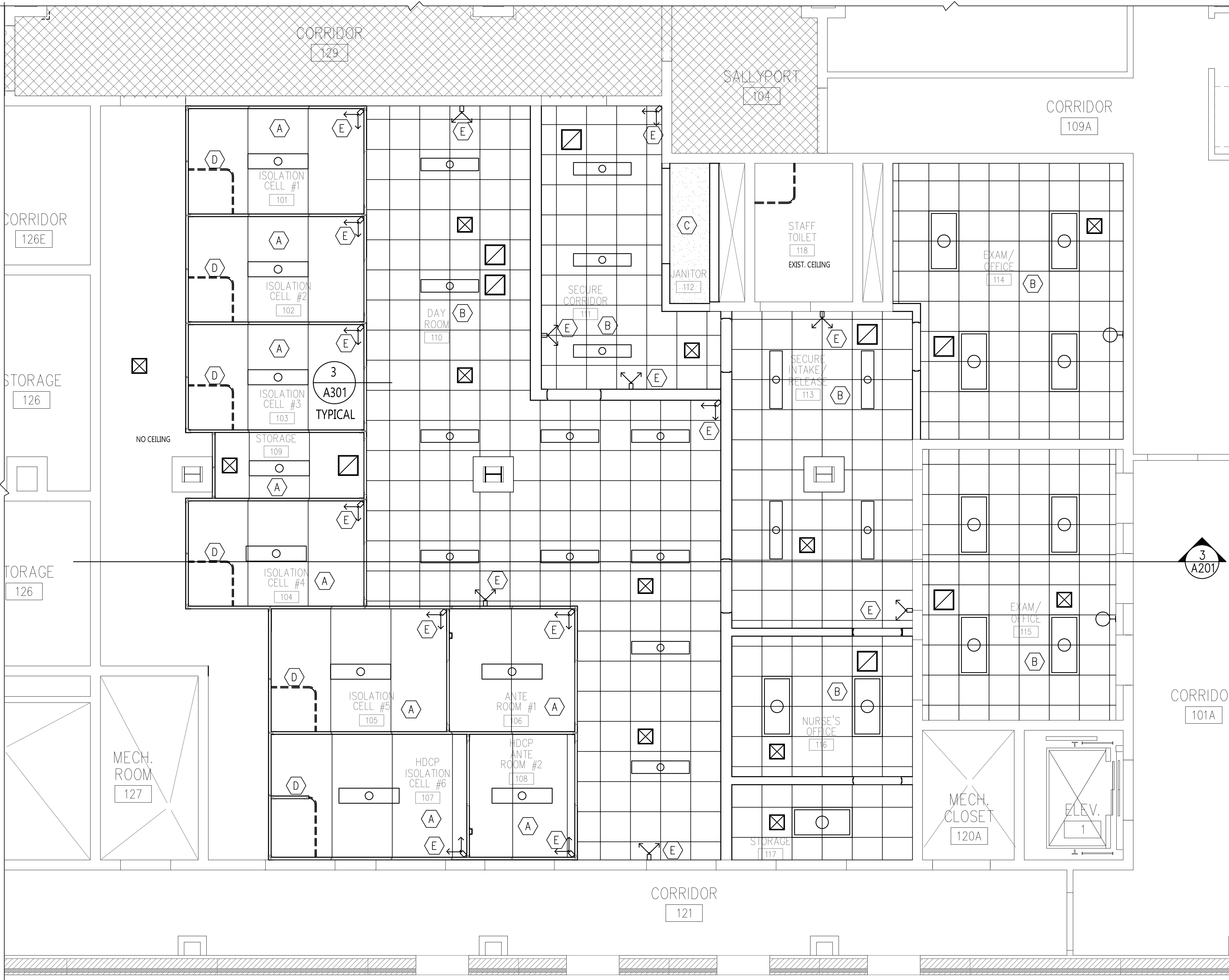
- A ALL ISOLATION DETENTION CELLS AND ANTE ROOMS ARE 8'-0" A.F.F. CEILING UNLESS OTHERWISE NOTED. CEILINGS ARE MAXIMUM SECURITY, (GRADES 1), SECURITY METAL PLANK CEILING SYSTEMS.
- B LAUNDRY, DAYROOM, OFFICE/EXAM ROOMS, SECURE CORRIDOR, NURSE'S OFFICE & STORAGE CEILINGS ARE 9'-0" A.F.F. UNLESS OTHERWISE NOTED. CEILINGS ARE MEDIUM SECURITY, (GRADES 3) SECURITY METAL PAN CEILING SYSTEM.
- C JANITOR CEILING IS 8'-0" W/ 2 LAYERS-5/8" IMPACT RESISTANT DRYWALL & FRAMING AT 8'-0" A.F.F.
- D CEILING MOUNTED CUBICLE TRACK W/ SPOOL TYPE CARRIER CURTAIN CARRIER.
- E WALL & CEILING MOUNTED SECURITY CAMERAS INSTALLED BY OWNER.



3
A301
CEILING DETAIL
1 1/2" = 1'-0"



2
A301
ENLARGED LAUNDRY RCP PLAN
1/4" = 1'-0"



1
A301
ENLARGED REFLECTED CEILING PLAN
1/4" = 1'-0"



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DRAWING TITLE
FIRST FLOOR PLAN-
ENLARGED RCP PLANS

A301

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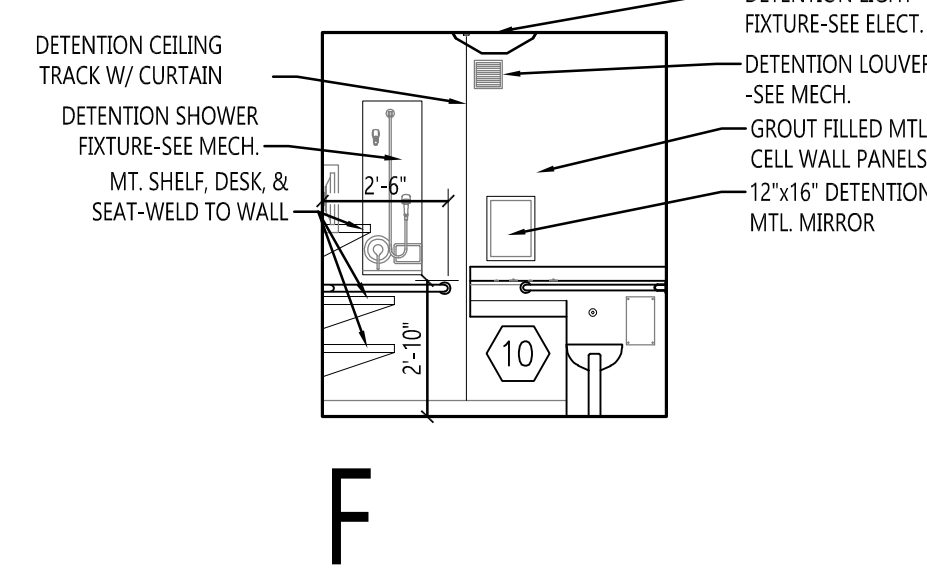
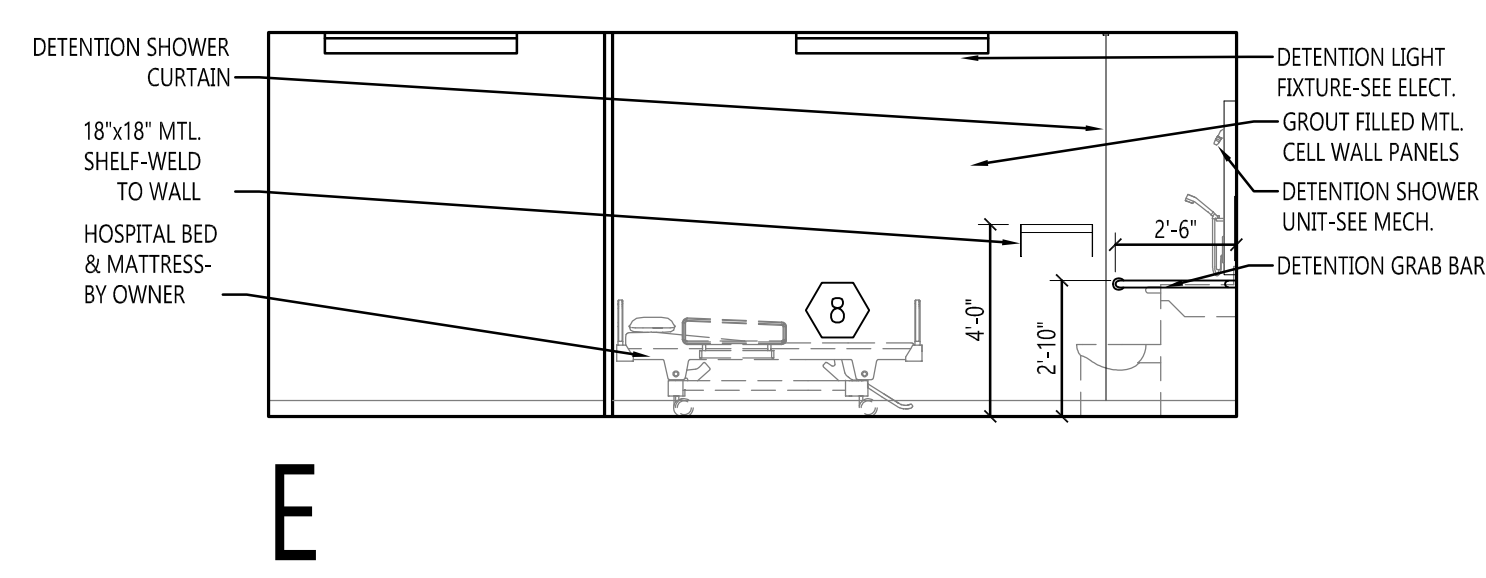
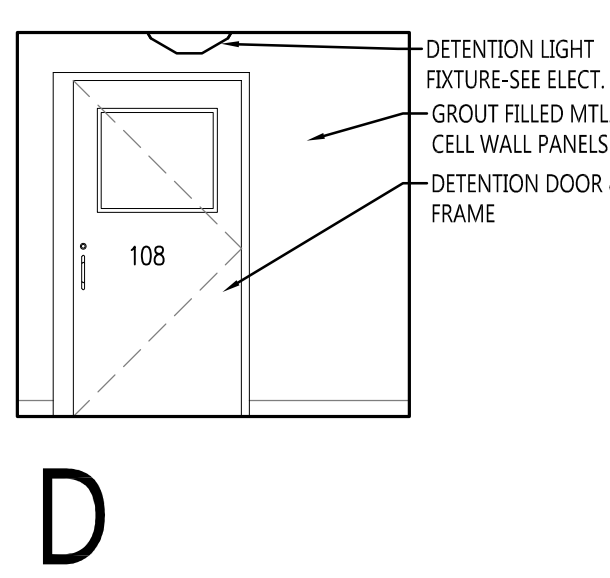
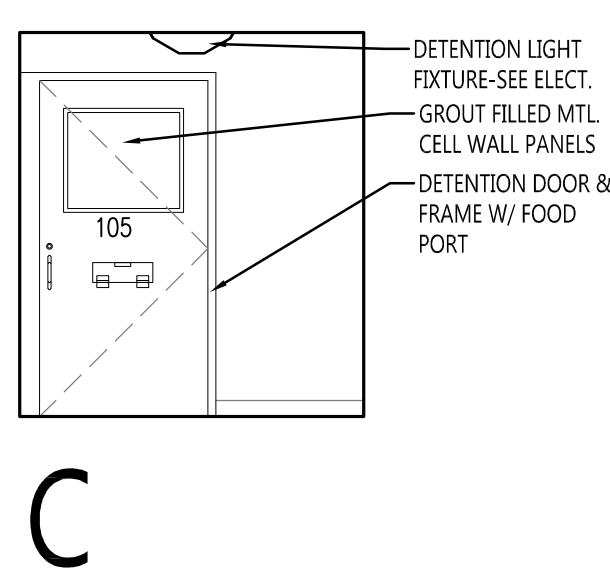
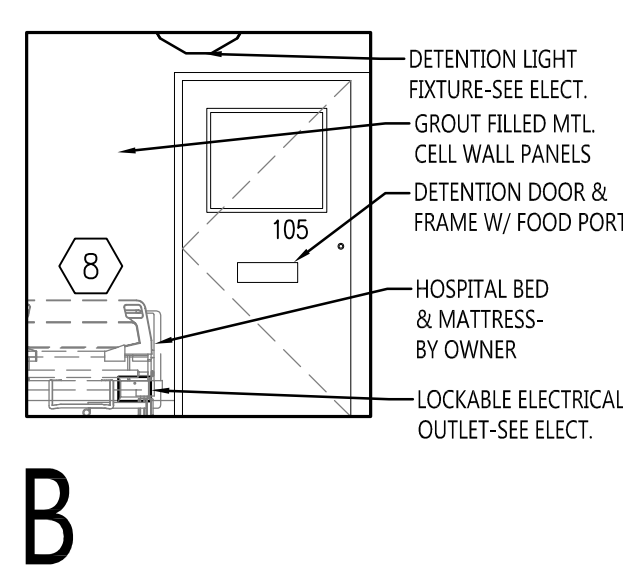
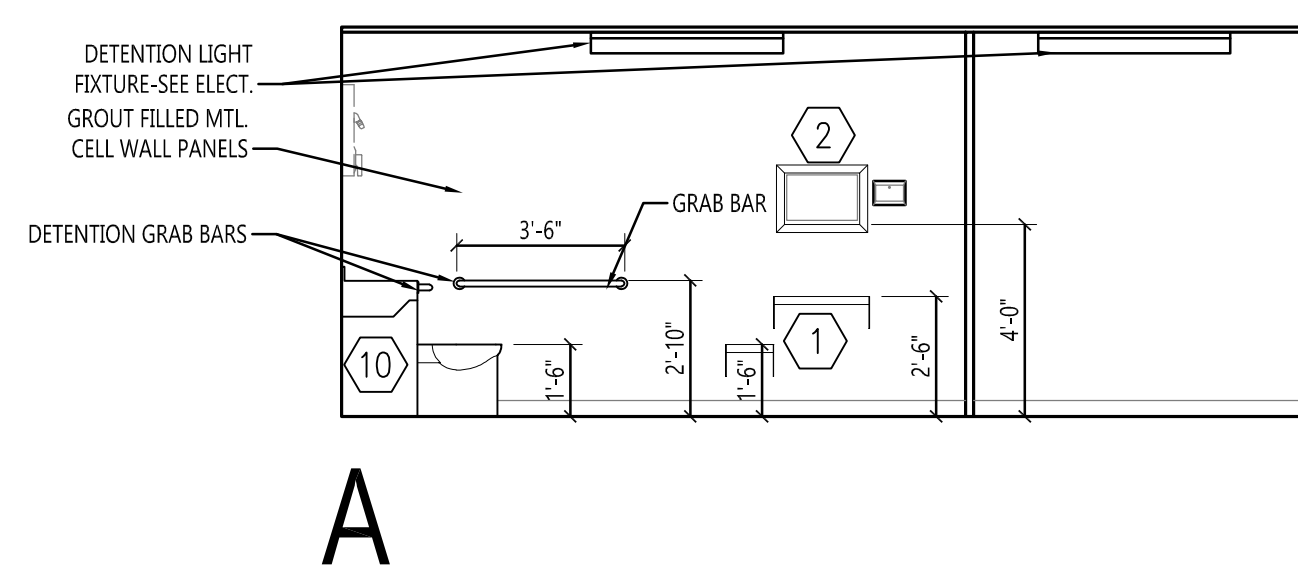
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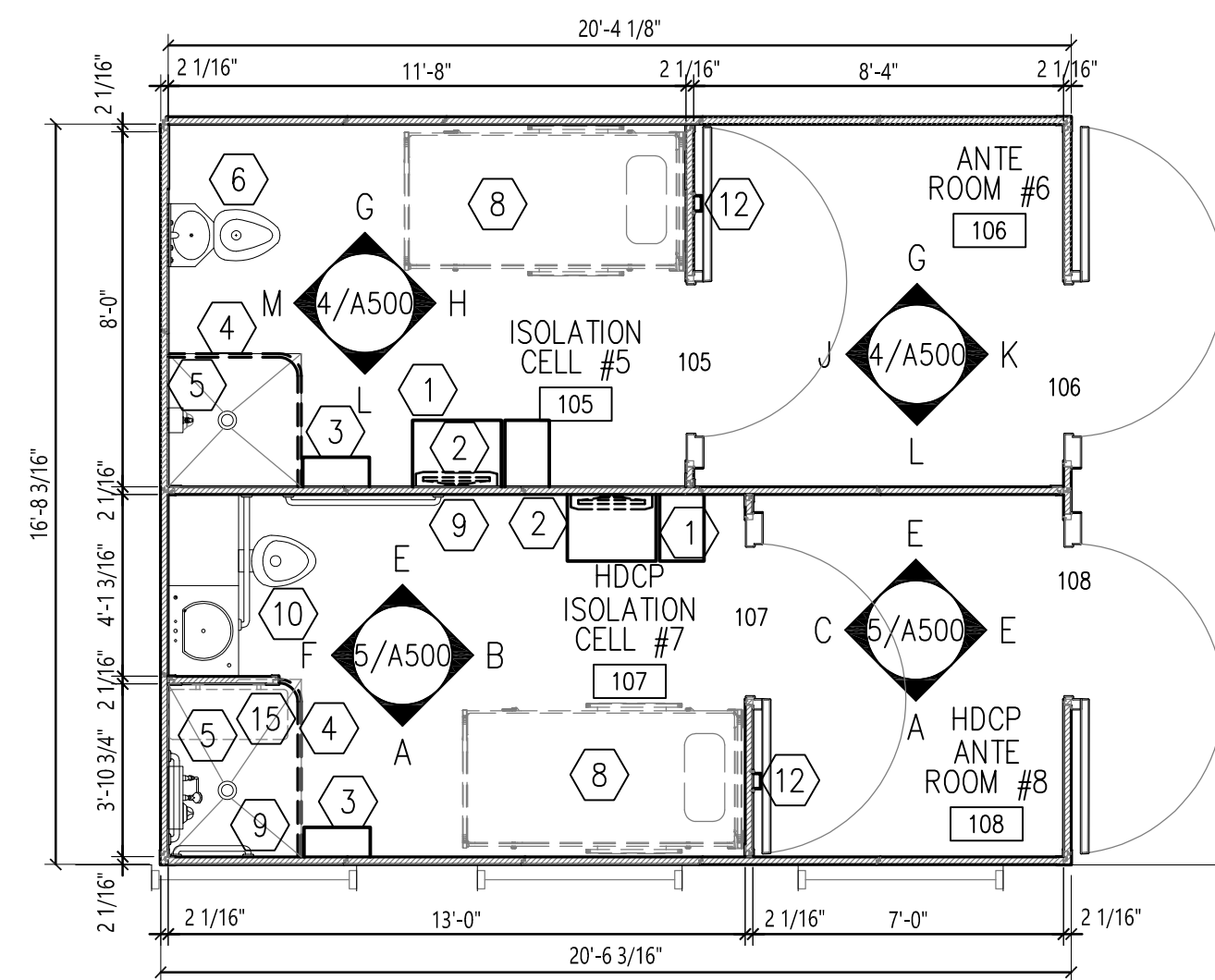
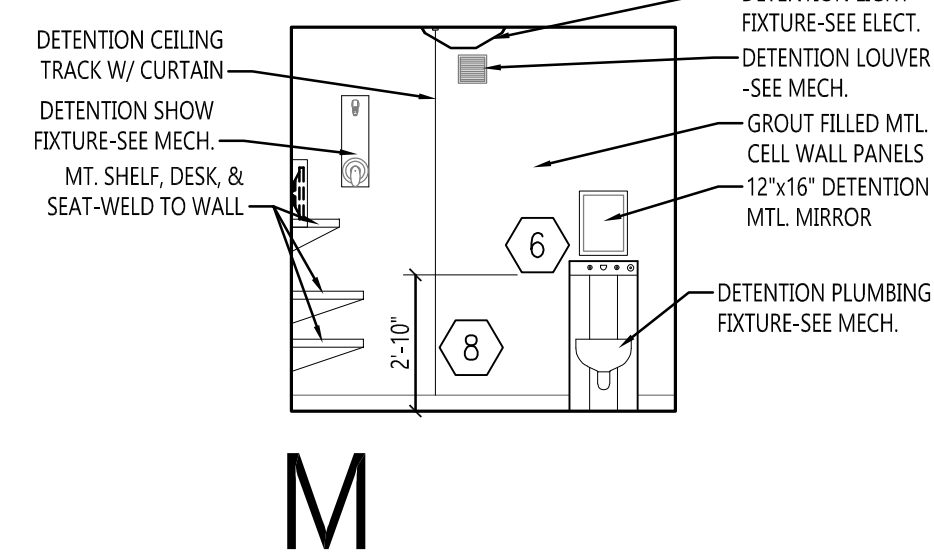
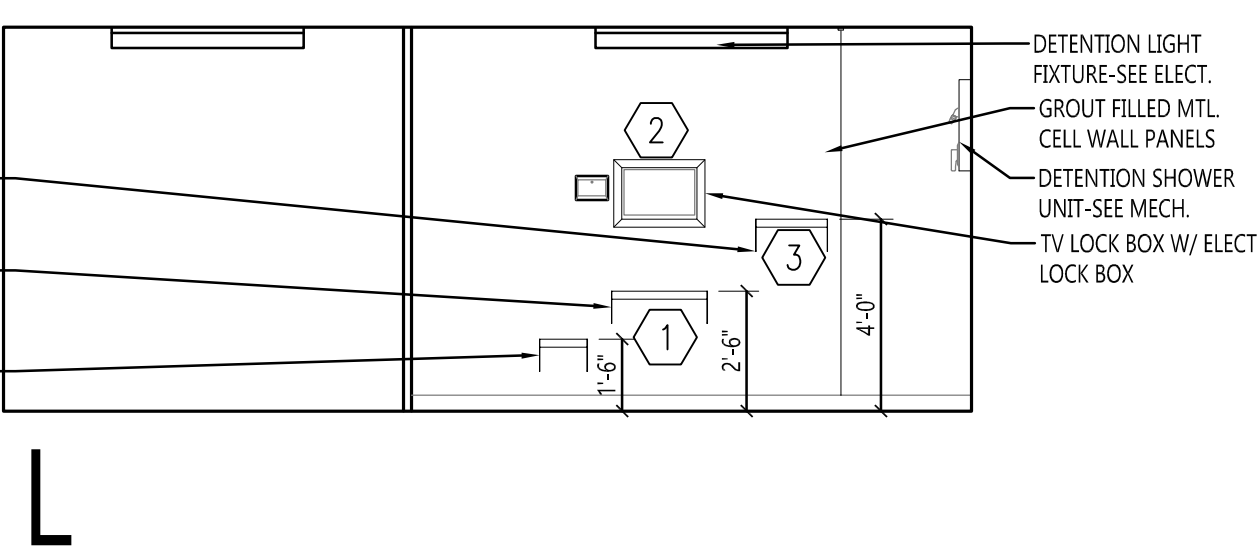
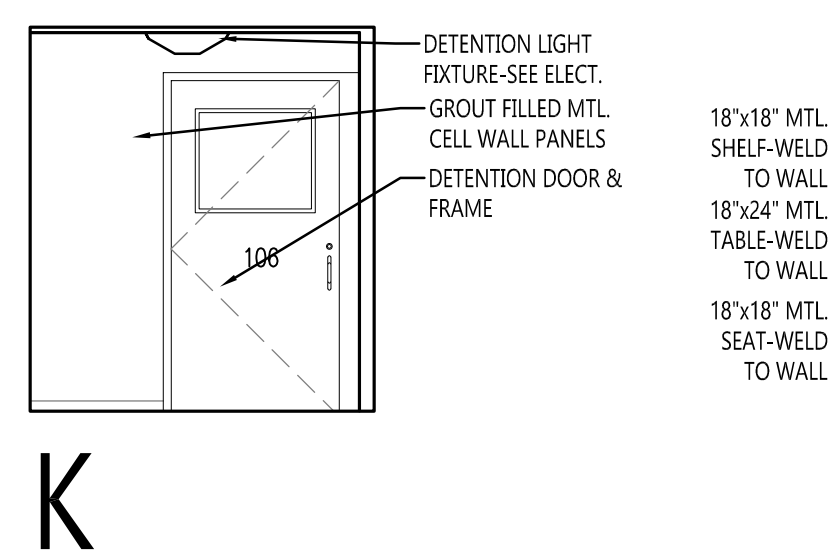
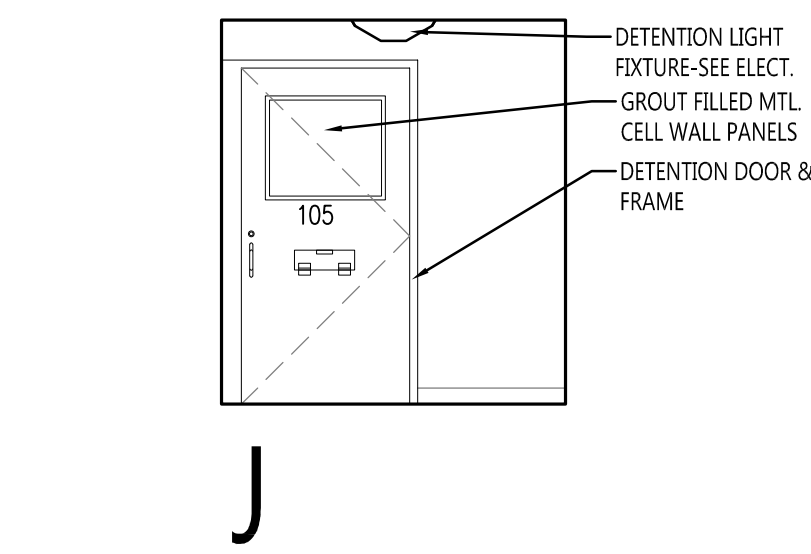
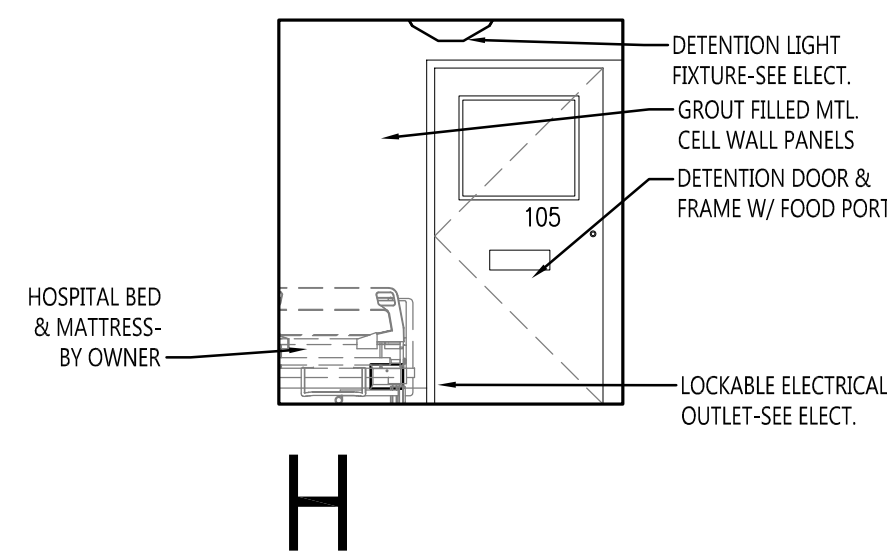
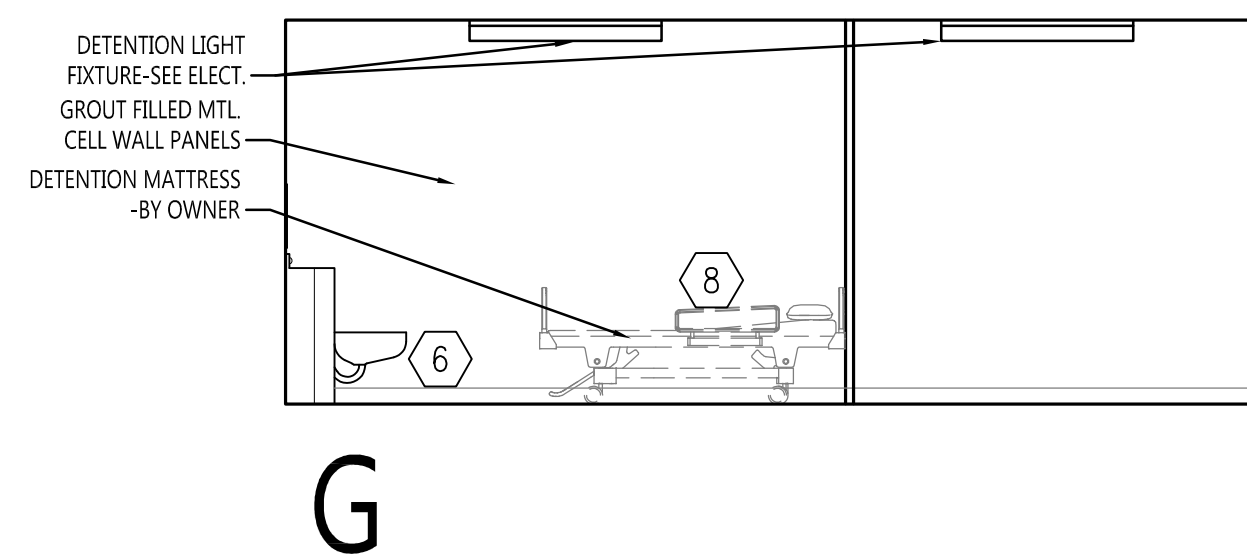
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DRAWING TITLE
INTERIOR ELEVATIONS
& DETAILS

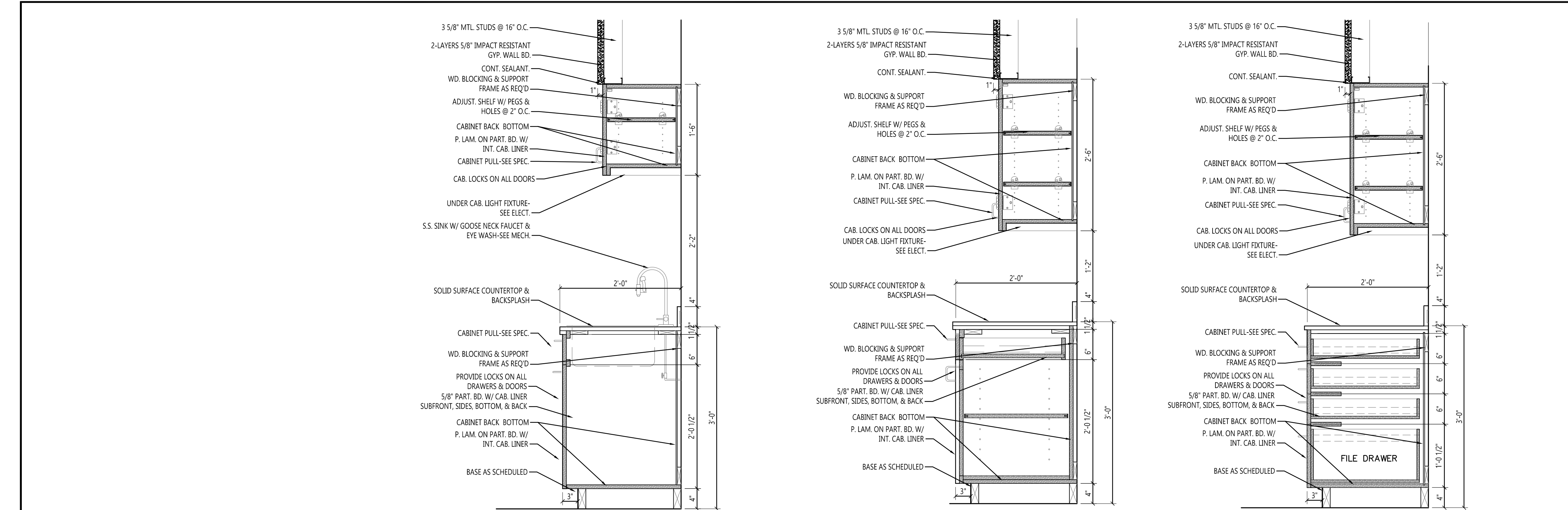
A500



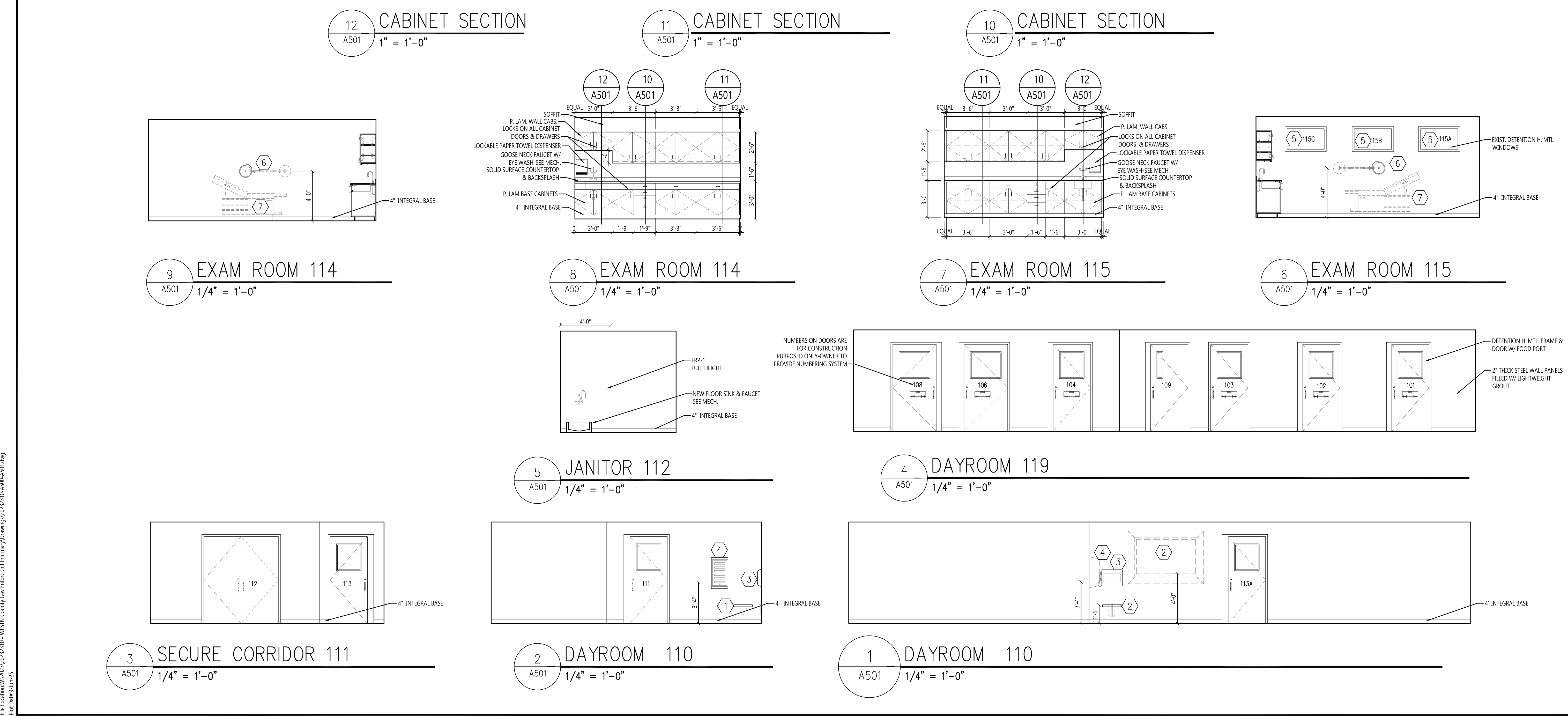
9 ISOLATION CELL #6 & ANTE ROOM #2
A500 1/4" = 1'-0"



File Location\\W\2023\20232310 - WILLISTON County Law Enforcement Ctr Infirmiry Drawings\20232310-A501-A501.dwg
Rev Date 9-Jan-25



- ELEVATION NOTES:**
1. WALL MOUNTED DETENTION ROTATING STOOL.
 2. OWNER FURNISHED/CONTRACTOR INSTALLED FUTURE TELEVISION W/ DETENTION SHIELD CASE.
 3. OWNER FURNISHED/CONTRACTOR INSTALLED INMATE COMMUNICATION KIOSK.
 4. OWNER SUPPLIED, CONTRACTOR INSTALLED TABLET CHARGER.
 5. REPLACE EXIST. GLAZING W/ NEW 2 3/8" DETENTION GLAZING.
 6. WALL MOUNTED EXAM LIGHT. SEE ELECT.
 7. OWNER FURNISHED ELECTRICAL EXAM TABLE.
 8. OWNER FURNISHED ELECTRIC HOSPITAL BED.
 9. WALL MOUNTED DETENTION 24"x18" DESK.
 10. HDGP DETENTION TOILET/SINK COMBO UNIT W/ GRAB BARS. SEE MECH.
 11. HDGP WALL MOUNTED DETENTION SHOWER UNIT W/ GRAB BARS. SEE MECH.
 12. WALL MOUNTED EXAM LIGHT. SEE ELECT.
 13. ELECTRIC EXAM TABLE BY OWNER.



EAPC

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Interior DesignIndustrial

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CONSULTANTS

CLIENT

WILLIAMS COUNTY

PROJECT DESCRIPTION

WILLIAMS COUNTY
LAW ENFORCEMENT
CENTER INFIRMARY

CITY

WILLISTON

STATE

ND

ISSUE DATES

CD

CONSTRUCTION DOCUMENTS

06/09/2025

MARK

DESCRIPTION

DATE

PROJECT NO:

20232310

DRAWN BY:

BEY

CHECKED BY:

GL/MC

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.

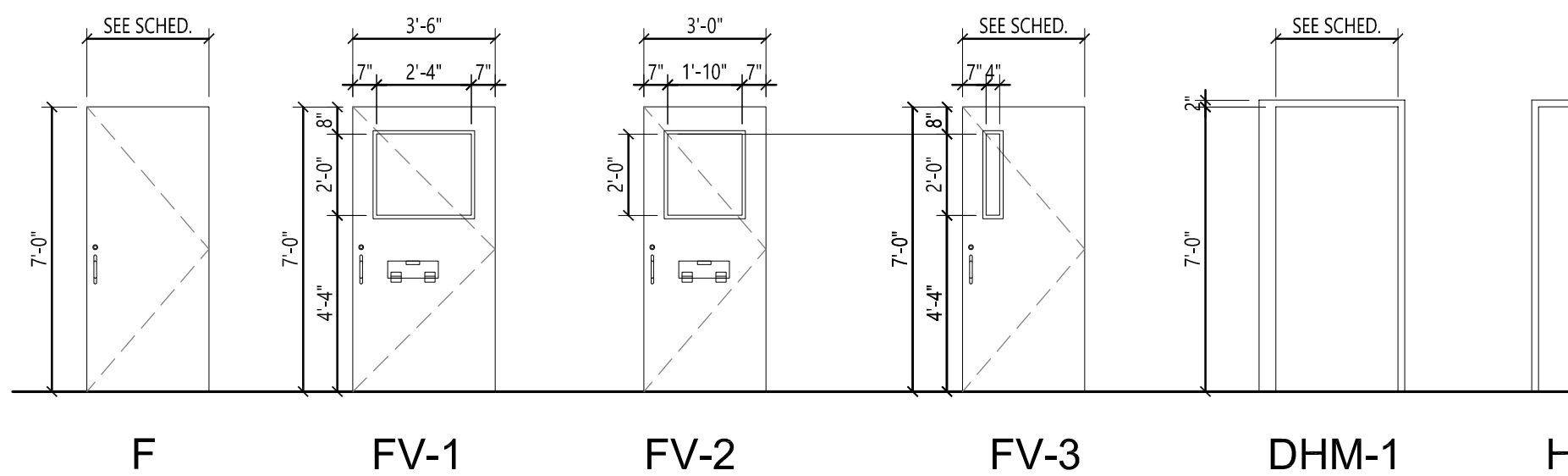
Signature: *Barton E. Young*

Date: 06/09/2025 REG. NO.: 1132

DRAWING TITLE

INTERIOR ELEVATIONS
& DETAILS

A501

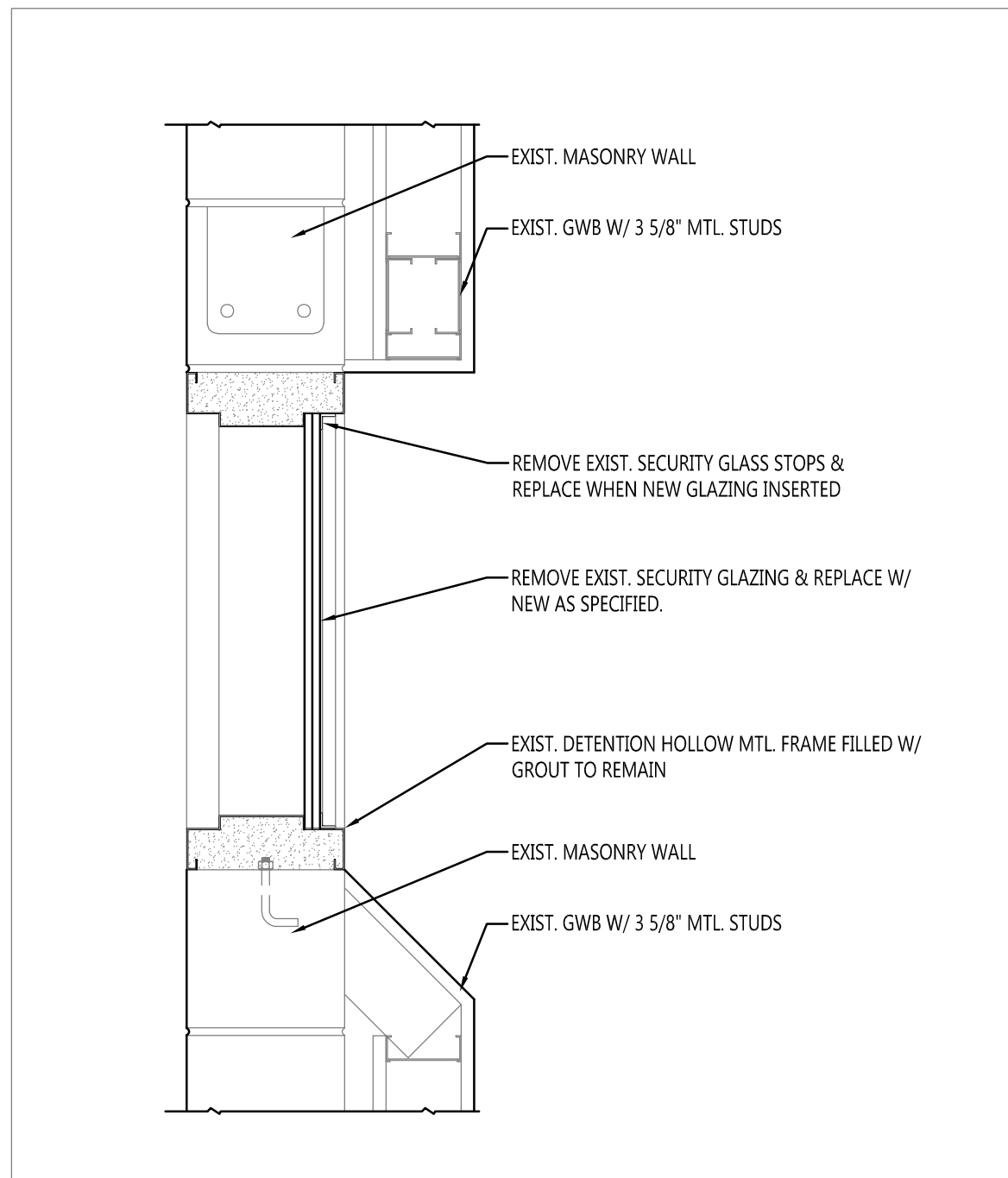


6

A801

DOOR & FRAME TYPES

1/4" = 1'-0"

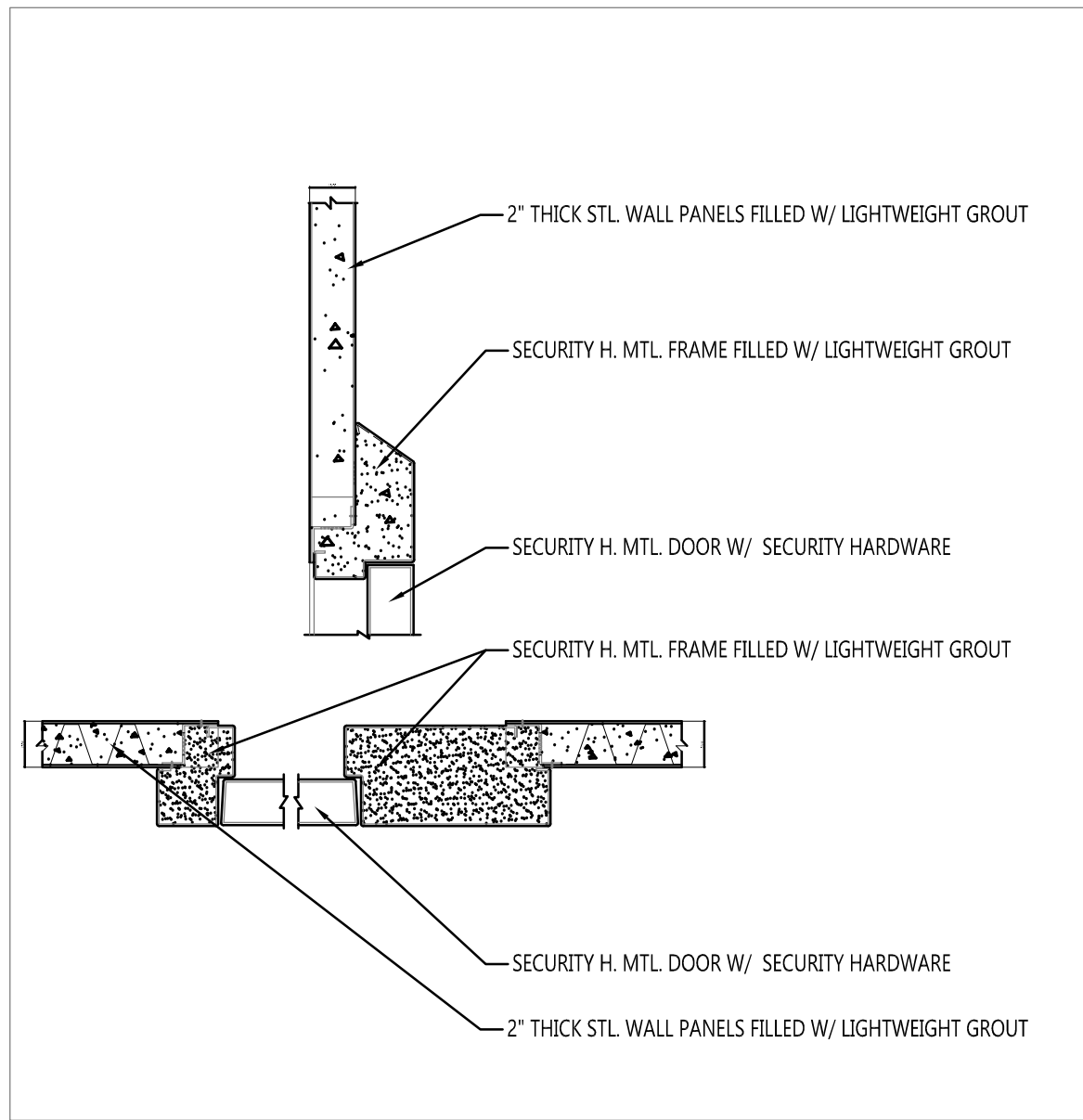
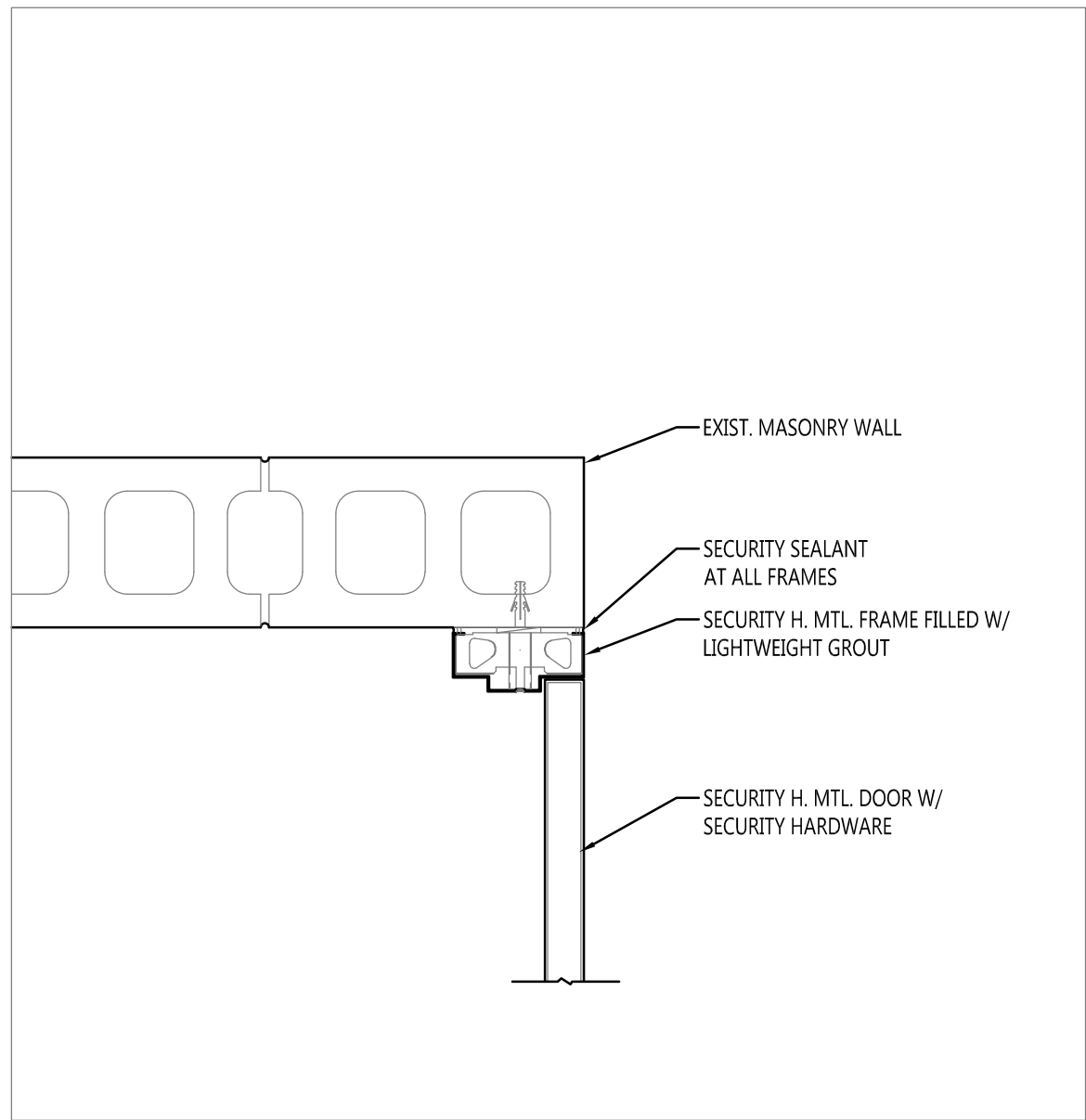


5

A801

DETENTION WINDOW DETAILS

1 1/2" = 1'-0"



4

A801

DETENTION DOOR DETAILS

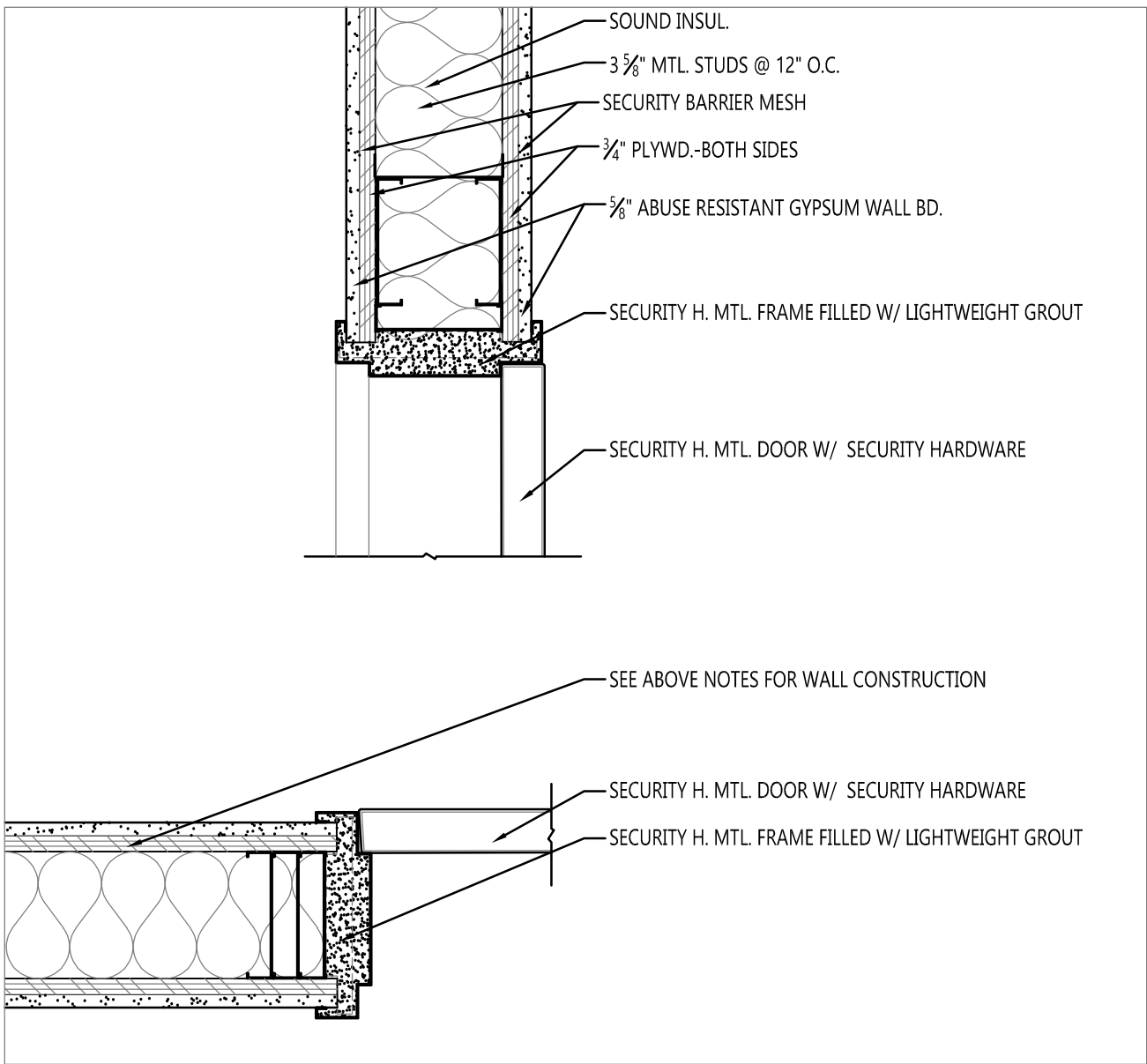
1 1/2" = 1'-0"

3

A801

DETENTION DOOR DETAILS

1 1/2" = 1'-0"

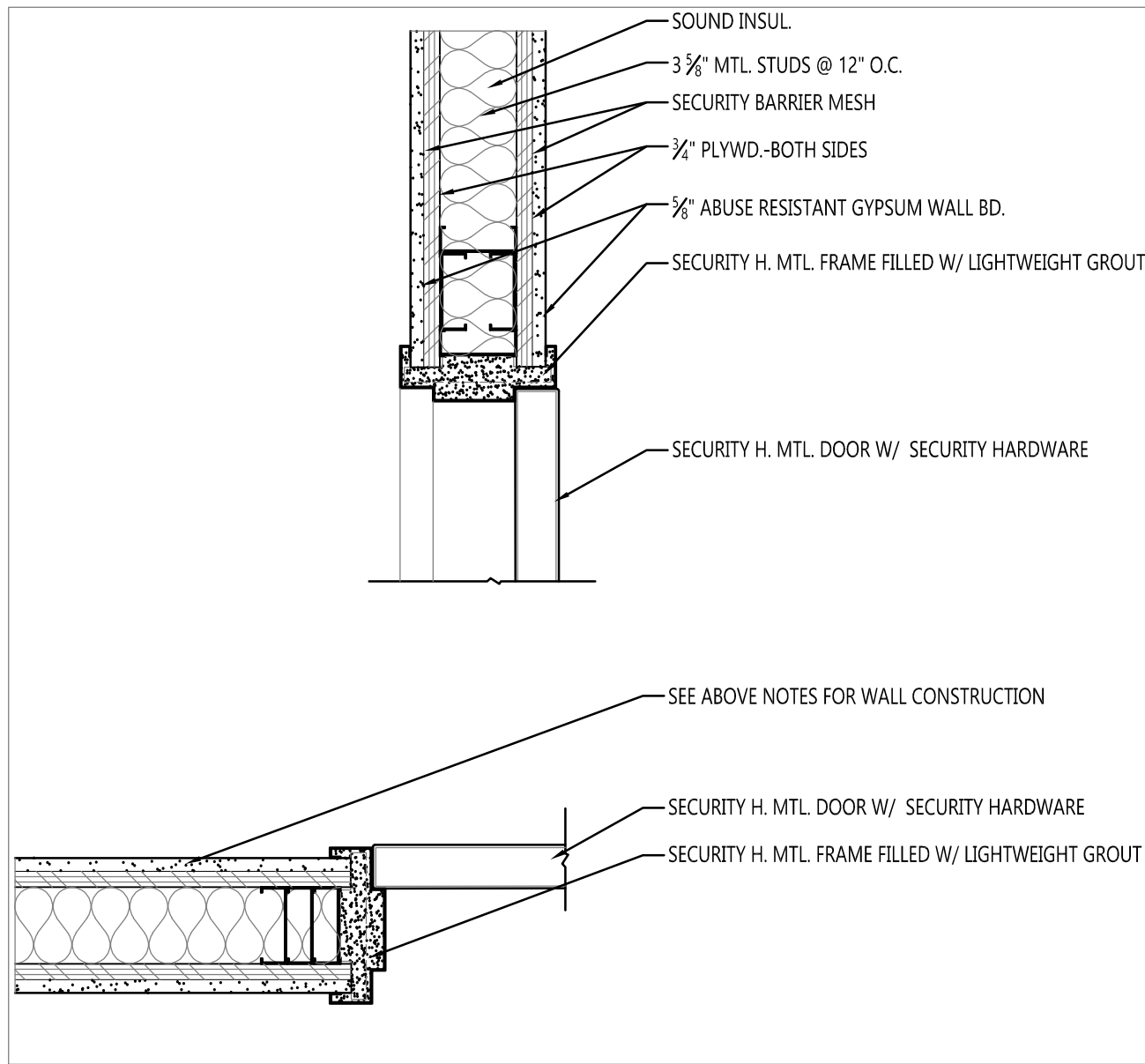


2

A801

DOOR DETAILS

1 1/2" = 1'-0"



1

A801

DOOR DETAILS

1 1/2" = 1'-0"

DOOR SCHEDULE														
DR NO	DOOR SIZE	DOOR				FRAME		DETAILS SEE DWG:			FIRE RATING	SIGNAGE	NOTES	DR NO
		TYPE	MTL	GLASS	HDWE	ELEV.	MTL	HEAD	JAMB	SILL				
101	3'-0"x7'-0"x2"	FV-2	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	101
102	3'-0"x7'-0"x2"	FV-2	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	102
103	3'-0"x7'-0"x2"	FV-2	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	103
104	3'-0"x7'-0"x2"	FV-2	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	104
105	3'-6"x7'-0"x2"	FV-1	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	105
106	3'-6"x7'-0"x2"	FV-1	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	106
107	3'-6"x7'-0"x2"	FV-1	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	107
108	3'-6"x7'-0"x2"	FV-1	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	108
109	3'-0"x7'-0"x2"	FV-3	DHM	SG-60 (11/16")	#101	DHM-1	DHM	3/A801	3/A801	3/A801	-		#1	109
111	3'-0"x7'-0"x2"	FV-2	DHM	SG-26 (11/16")	#102	DHM-1	DHM	2/A801	2/A801	2/A801	-			111
112	2-3'-0"x7'-0"x2"	F	HM	-	#104	HM-1	DHM	1/A801	1/A801	1/A801	-		#3	112
113	3'-0"x7'-0"x2"	FV-2	DHM	SG-60 (11/16")	#102	DHM-1	DHM	2/A801	2/A801	2/A801	-			113
113A	3'-0"x7'-0"x2"	FV-2	DHM	SG-60 (11/16")	#102	DHM-1	DHM	2/A801	2/A801	2/A801	-			113A
114	3'-0"x7'-0"x1 3/4"	FV-3	DHM	SG-60 (11/16")	#102	DHM-1	DHM	1/A801	1/A801	1/A801	-			114
115	3'-0"x7'-0"x1 3/4"	EXIST.	EXIST.	EXIST.	#102	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	-			115
115A	3'-4"x2'-0"	-	-	SG-60-RW (11/16")	-	-	DHM	5/A801	5/A801	5/A801	45 MIN	-	#2	115A
115B	3'-4"x2'-0"	-	-	SG-60-RW (11/16")	-	-	DHM	5/A801	5/A801	5/A801	45 MIN	-	#2	115B
115C	3'-4"x2'-0"	-	-	SG-60-RW (11/16")	-	-	DHM	5/A801	5/A801	5/A801	45 MIN	-	#2	115C
116	3'-0"x7'-0"x1 3/4"	FV-3	DHM	SG-20 (11/16")	#102	DHM-1	DHM	1/A801	1/A801	1/A801	-			116
117	3'-0"x7'-0"x1 3/4"	F	DHM	-	#103	HM-1	DHM	1/A801	1/A801	1/A801	-		#3	117
118	3'-0"x7'-0"x1 3/4"	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	-			118
119	2'-6"x7'-0"x1 3/4"	F	HM	-	#103	HM-1	DHM	2/A801	2&4/A801	2/A801	-		#3	119

- NOTES:
- ALL METAL CELL DOORS TO BE UNDERCUT BY 1 1/2".
 - EXIST. WINDOW FRAME TO REMAIN-REPLACE GLAZING. SEE SPECIFICATIONS.
 - SEE SPECIFICATION SECTION 08 7100 FOR HARDWARE.

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CITY WILLISTON

STATE ND

ISSUE DATES

CD	CONSTRUCTION DOCUMENTS	06/09/2025
MARK	DESCRIPTION	DATE

PROJECT NO: 20232310

DRAWN BY: BEY

CHECKED BY: GL/MC

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North Dakota.

Signature: *Burton E. Young*

Date: 06/09/2025 REG. NO.: 1132

DRAWING TITLE

DOOR SCHEDULE,
TYPES, & DETAILS

A801

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALLOWING FOR DELIVERY LEAD TIMES FOR ALL FINISHES SPECIFIED WITHIN THE CONSTRUCTION SCHEDULE. ALL DELIVERY TIMES MUST BE CONFIRMED, AND ANY EXCESSIVE LEAD TIME MUST BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY TO ALLOW FOR ITS SPECIFICATION IF NECESSARY.
2. ALL TRANSITIONS OF FLOOR FINISH MATERIALS SHALL BE LOCATED DIRECTLY UNDER CENTER OF DOOR, WHERE OCCURS, UNO.
3. ALL CRACKS, HOLES, IMPERFECTIONS IN EXISTING WALLS, PARTITIONS OR GYP BOARD SHALL BE FILLED WITH PUTTING PLASTER AND SMOOTHED OFF TO MATCH ADJOINING SURFACES.
4. ALL SEALANTS TO MATCH SURFACE IN WHICH THEY OCCUR
5. PAINT ALL MISCELLANEOUS ITEMS SCHEDULED TO BE PAINTED, PAINT TO MATCH THE SURFACE IN WHICH THEY OCCUR
6. UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLASHED OR SPLATTERED AND PROCEED SURFACES
7. EXAMINE ALL FLOOR SURFACES AFTER COMPLETION OF WORK AND PROCEED WITH "TOUCH-UP" AS REQUIRED.
8. ONCE BLOCK WALLS IN AREAS WHERE NEW FLOORING IS TO BE INSTALLED SHALL NOT RECEIVE INTERIOR WALL BAZE, EXCEPT IN EXAM/SPRICE 14A & 15, HUNTER 19,19. SHOWS THESE ACCESS DOORS TO BE INSTALLED IN VERTICAL SURFACES IN AREAS WHERE NEW FLOORING IS TO BE INSTALLED SHALL RECEIVE INTERIOR WALL BAZE 1/4" WALL UNO.
9. STAINED AND PAINTED SURFACES SHALL BE FINISHED SUCH THAT JOINTS ARE NOT VISIBLE WHEN VIEWED FROM ANY ANGLE AS DETERMINED BY THE ARCHITECT.
10. ALL WALLS IN AREAS WHERE WORK IS TO OCCUR, INCLUDING ISOLATION CELL SYSTEM, SHALL RECEIVE PINT-1, UNO.
11. ALL ISOLATION CELLS TO RECEIVE EPOXY PAINT TO MATCH PINT-1, UNO.
12. DAMAGE TO INTERIOR DOORS AND HOLLOW METAL PARTS TO BE TOUCHED UP TO MATCH EXISTING IN ALL LOCATIONS WHERE NEW WORK IS INDICATED.
13. CONTRACTOR TO REMOVE ELECTRICAL, CROW PLATES AND REINSTATE AFTER WORK IS DONE.
14. INSTALL CTR-1 IN STAFF TOILET 11B FULL FLOOR, ON WALLS. INSTALL SOUTHER DILEX-AKKA AT JUNCTION OF WALL AND FLOOR.

06.4100	PLM	PLASTIC LAMINATE ARCHITECTURAL CABINETS FLAM-1
		LEVAMATE, PENNY LANE AT7500
06.8316	FRP	FIBERGLASS REINFORCED PLASTIC PANELING
	FRP-1	MARLITE, STANDARD PEBBLED FRP, WHITE P100
09.3000	CTW	TILING
	CTW-1	VIRGINIA TILE, URBAN VITAL, PURE 6X24 INSTALL: 1/2" OFFSET, LIVING ROOM CLOSET; MAPLE, FROST 5077
09.6700	RES	FLUID APPLIED FLOORING
	RES-1	SHERWIN WILLIAMS, RESULFOR ECO QUARTZ D TO MATCH EXISTING
09.9123	PNT	PAINTING ALL INTERIOR PANT TO BE SHERWIN
	PNT-1	SHERWIN WILLIAMS, WALL PANT, MATCH EXISTING
	PNT-2	SHERWIN WILLIAMS, DOOR & FRAME PANT, MATCH
	PNT-3	SHERWIN WILLIAMS, HIGH REFLECTIVE WHITE SW
	SLC	SEALED CONCRETE
12.366116	SSF	SOLID SURFACE FABRICATION
	SSF-1	CORIAN, PEBBLE LANE



DESIGN CRITERIA AND LOADS (IN ADDITION TO THOSE INDICATED ON PLANS & DETAILS)			
OCCUPANCY	BUILDING RISK CATEGORY		IV
DEAD LOADS	(SUPERIMPOSED)		
	FLOOR		15 PSF
LIVE LOADS			
	STORAGE AREAS		125 PSF
	ALL OTHER AREAS		100 PSF

MATERIAL STRENGTHS		
CONCRETE		
	28 DAY COMPRESSIVE STRENGTH	f _c
	FOUNDATION WALLS/PIERS/ WALLS/COLUMNS/SLABS/BEAMS	4,000 PSI
	PROVIDE 6% (+/- 1/5%) ENTRAINED AIR IF EXTERIOR CONCRETE	
REINFORCING STEEL		
	REINFORCING BARS	ASTM A615 GR 60 DEFORMED
COLD FORMED METAL FRAMING		
	SHEET STEEL	ASTM A1003, STRUCTURAL GRADE, TYPE H, METALLIC COATED G60 MIN
	SHEET STEEL FOR CLIPS	ASTM A653, STRUCTURAL STEEL ZINC COATED G60 MIN, GRADE 50

STRUCTURAL STEEL		
STRUCTURAL MEMBERS	WIDE FLANGE (W) & TEE (WT)	ASTM A992, Fy=50 KSI
	CHANNEL (C&MC) & ANGLE (L)	ASTM A36, Fy=36 KSI
	STRUCTURAL BARS & PLATES	ASTM A36, Fy=36 KSI
	HOLLOW STRUCTURAL SECTIONS - RECT/SQ (HSS)	ASTM A500, GRADE C, Fy=50 KSI
	STRUCTURAL PIPE (SCHED 40 UNO)	ASTM A53, GRADE B, Fy=35 KSI
FASTENERS	HIGH STRENGTH BOLTS	ASTM A325-N
	ANCHOR RODS	ASTM F-1554, GRADE 36
	THREADED RODS	ASTM A36
	COMMON BOLTS	ASTM A307
	SHEAR STUD CONNECTORS	ASTM A108, TYPE B (Fu=65KSI)
WELDS	WELD ELECTRODES	E70XX

CONCRETE REINFORCING STEEL LAP SPLICE & DEVELOPMENT LENGTH SCHEDULE				
	MINIMUM LAP SPLICE LENGTHS (Ls)		MINIMUM DEVELOPMENT LENGTH (Ld)	
BAR SIZE	TOP BARS ¹	OTHER BARS	TOP BARS ¹	OTHER BARS
#3	2'-0"	1'-7"	1'-7"	1'-3"
#4	2'-8"	2'-1"	2'-1"	1'-7"
#5	3'-4"	2'-7"	2'-7"	2'-0"
#6	4'-0"	3'-1"	3'-1"	2'-5"
#7	5'-10"	4'-6"	4'-6"	3'-6"
#8	6'-8"	5'-2"	5'-2"	3'-11"
#9	7'-7"	5'-10"	5'-10"	4'-6"
1. HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM				

CAST IN PLACE CONCRETE (NON-PRESTRESSED) COVER		
ACI 318- STRUCTURAL CONCRETE		
UNLESS NOTED OTHERWISE ON DRAWINGS		COVER (INCHES)
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH		3
EXPOSED TO EARTH OR WEATHER		
	#6 THROUGH #18 BARS	2
	# 5 AND SMALLER	1 1/2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND		
SLABS, WALLS, JOISTS	#14 & #18 BARS	1 1/2
	#11 BARS AND SMALLER	3/4
BEAMS, COLUMNS	PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2
	SLAB ON GRADE/ SLAB ON METAL DECK	CENTERED

GENERAL REQUIREMENTS:

- DESIGN AND CONSTRUCTION OF THIS PROJECT IS PER THE 2021 INTERNATIONAL BUILDING CODE (IBC) INCLUDING REFERENCED STANDARDS AND LOCAL/STATE AMENDMENTS OR BUILDING CODES.
- THIS PROJECT IS SUBJECT TO SPECIAL INSPECTIONS AS DESCRIBED IN CHAPTER 17 OF THE IBC AND SHALL BE PROVIDED BY AN INDEPENDENT AGENCY.
- GENERAL CONTRACTOR, CONTRACTOR, CONSTRUCTION MANAGER/AGENCY OR OTHER SIMILAR ENTITY OR REFERENCE ARE SYNONYMOUS AS IT RELATES TO USE OF AND RESPONSIBILITIES ASSIGNED BY THE CONTRACTOR DOCUMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF STRUCTURAL SYSTEMS WITH OTHER TRADES AND CONTRACT DOCUMENTS, NOTIFY THE EOR OF ANY DISCREPANCIES.
- CONTRACTOR SHALL PROVIDE VERIFICATION OF QUANTITIES AND DIMENSIONS, MEANS AND METHODS OF CONSTRUCTION, SAFE AND SECURE PERFORMANCE OF THE WORK, AND TO NOT ALTER OR CUT ANY STRUCTURAL MEMBER WITHOUT APPROVAL FROM THE EOR.
- THE STRUCTURAL DESIGN REPRESENTS THE COMPLETED STATE ANY TEMPORARY BRACING OR SHORING REQUIRED TO MAINTAIN STABILITY DURING CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, FRAMING MEMBERS, AND SITE CONDITIONS PRIOR TO STARTING THE WORK AND NOTIFY THE EOR OF ANY DISCREPANCIES.
- EXACT LOCATION AND SIZE OF ROOF/FLOOR/WALL OPENINGS, SLEEVES, OR MECHANICAL PENETRATIONS TO BE COORDINATED BY THE CONTRACTOR; SIMILAR FOR HOUSEKEEPING PADS, INSERTS AND EMBEDS, DEPRESSIONS, BOX-OUTS, SLOPES, DOORS AND WINDOWS, NON-BEARING WALLS, STAIRS, FINISHES, WATERPROOFING, RAILINGS, MECHANICAL EQUIPMENT LOCATIONS, LEDGES, INSULATION AND OTHER NON-STRUCTURAL ITEMS NECESSARY TO COMPLETE THE WORK.
- CONTRACTOR SHALL PROVIDE CONTRACTOR APPROVED AND STAMPED SHOP DRAWINGS AND PRODUCT DATA FOR REVIEW WITH GENERAL CONFORMANCE TO THE CONTRACTOR DOCUMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH TESTING AND INSPECTION AGENCIES DURING CONSTRUCTION OR WHOEVER REMAINS RESPONSIBLE FOR PERFORMING WORK IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS ONLY.
- DEFERRED SUBMITTAL ITEMS REQUIRE SHOP DRAWINGS AND CALCULATIONS STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED AS FOLLOWS:
 - METAL STUD DESIGN AND CONNECTIONS
 - STRUCTURAL STEEL CONNECTIONS

CAST-IN-PLACE CONCRETE:

- CONTRACTOR WORK SHALL CONFORM WITH REQUIREMENTS OF ACI 301 AND ACI 318 OR ACI 350, ALONG WITH ACI 305 AND ACI 306 WHEN WEATHER CONDITIONS DICTATE HOT OR COLD WEATHER PROVISIONS.
- CONCRETE SHALL BE A REDI-MIXED PRODUCT IN CONFORMANCE WITH APPROVED MIX DESIGN SUBMITTALS FOR EACH COMBINATION OF STRENGTH OR APPLICATION AS PREPARED BY THE SUPPLIER OR AND INDEPENDENT TESTING AGENCY.
- CONCRETE MIX DESIGN PARAMETERS: NORMAL WEIGHT; FLY ASH LIMITED TO 25% BY MASS; MAX W/C RATIO = 0.50; SLUMP = 4" (+/-1"); MAX AGGREGATE = 1 INCH; ADMIXTURE AS PER APPROVED MIX DESIGN.
- DO NOT USE ADMIXTURES OR CURING ACCELERATORS CONTAINING CALCIUM CHLORIDE.
- TOLERANCES AND FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED TO CONFORM WITH REQUIREMENTS OF ACI 114 AND ACI 347.
- CHAMFER EXPOSED EDGES OF CONCRETE 3/4" WHERE NOT SPECIFICALLY SHOWN OR NOTED ON STRUCTURAL OR ARCHITECTURAL DRAWINGS.
- SEE CONCRETE REINFORCING NOTES SECTION, STANDARD DETAILS AND TABLES FOR ADDITIONAL REINFORCING AND LAYOUT REQUIREMENTS.
- PROVIDE DOWEL BARS BETWEEN MEMBERS WITH STANDARD HOOKS TO SUPPORT MEMBER AND LAP SPLICED WITH PRIMARY REINFORCING; DOWELS SHALL BE SAME SIZE AND SPACED TO MATCH PRIMARY REINFORCING UNLESS NOTED OTHERWISE.
- INSERTS, SLEEVES, OPENINGS, AND OTHER EMBEDDED ITEMS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE LOCATED AND VERIFIED BY THE CONTRACTOR; THOSE NOT SHOWN SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE EOR.
- CONTRACTOR TO LAY OUT AND SUBMIT LOCATION OF CONSTRUCTION JOINTS AND CONCRETE CONSTRUCTION FOR REVIEW AND APPROVAL. SEE STANDARD DETAILS FOR SLAB ON GRADE CONSTRUCTION, CUT JOINTS WITHIN 24 HOURS OF CONCRETE PLACEMENT, SPACED NOT MORE THAN 36 TIMES THE SLAB THICKNESS, AND AN ASPECT RATIO NOT EXCEEDING 1.5.
- UNLESS SPECIFICALLY DETAILED OR SHOWN ON THE STRUCTURAL DRAWINGS, PENETRATIONS OR OPENINGS IN SLABS AND WALL SHALL:
 - NOT EXCEED 12 INCHES IN ANY DIMENSION.
 - NOT BE LOCATED WITHIN 6 INCHES FROM AN EDGE.
 - NOT BE LOCATED WITHIN A BEAM OR COLUMN.
 - NOT BE CLOSER THAN 10 TIMES THE SLAB THICKNESS FROM A CONCENTRATED LOAD EXCEEDING 2,000 LBS.
 - WHEN PLACED IN GROUPS, SHALL BE PLACED WITH NO LESS THAN ONE PENETRATION OF OPENING DIAMETER CLEAR BETWEEN THEM.

CONCRETE REINFORCEMENT:

- CONCRETE REINFORCEMENT DETAILING AND PLACEMENT SHALL CONFORM WITH REQUIREMENTS OF ACI 315 AND CRSI MANUAL.
- SEE STANDARD DETAILS AND TABLES FOR ADDITIONAL INFORMATION RELATED TO STEEL REINFORCING COVER, LAPS, AND MISCELLANEOUS DETAILING.
- REINFORCING STEEL SHALL BE TIED, ACCURATELY PLACED, AND SUPPORTED BY STANDARD ACCESSORIES. ACCESSORY LEGS EXPOSED TO VIEW SHALL BE STAINLESS STEEL.
- REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE LOCATED AND HELD IN PLACE PRIOR TO CONCRETE PLACEMENT; PLACEMENT OR PUSHING ("WET STICKING") INTO CONCRETE IS NOT ALLOWED.
- REINFORCEMENT LAP SPLICES SHALL BE CLASS B PLUS 6" AT NON-CONTACT SLICES, UNLESS NOTED OTHERWISE, AND SPLICED AT LOCATIONS SHOWN OR NOTED WITHIN THE STRUCTURAL DOCUMENTS; EXCEPTION REINFORCEMENT NOTED AS "CONTINUOUS" MAY BE SPLICED AT LOCATIONS DETERMINED BY THE CONTRACTOR.
- DO NOT WELD REINFORCING UNLESS SPECIFICALLY SHOWN ON PLANS OR WITH WRITTEN PERMISSION FROM THE EOR.

CAST-IN-PLACE CONCRETE FIELD QUALITY CONTROL:

- TESTING AND INSPECTING:
 - CONTRACTOR SHALL ENGAGE A QUALIFIED TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS AND PREPARE TEST REPORTS.
- CONCRETE TESTS:
 - TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C172 SHALL BE PERFORMED ACCORDING TO THE FOLLOWING REQUIREMENTS:
 - TESTING FREQUENCY: OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE EXCEEDING 5 CU. YD. (4 CU. M), BUT LESS THAN 25 CU. YD. (19 CU. M), PLUS ONE SET FOR EACH ADDITIONAL 50 CU.YD. (38 CU. M) OR FRACTION THERE OF.
 - WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN THREE COMPRESSIVE-STRENGTH TEST FOR EACH CONCRETE MIXTURE, TESTING SHALL BE CONDUCTED FROM AT LEAST THREE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.
 - SLUMP: ASTM C143/C 143M; ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
 - AIR CONTENT: ASTM C231, PRESSURE METHOD, FOR NORMAL-WEIGHT CONCRETE; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
 - CONCRETE TEMPERATURE: ASTM C1064/C 1064M; ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F (4.4 DEG C) AND BELOW AND WHEN 80 DEG F (27 DEG C) AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
 - COMPRESSION TEST SPECIMENS: ASTM C31/C31M.
 - CAST AND LABORATORY CURE TWO SETS (4 TOTAL) OF TWO STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
 - COMPRESSIVE-STRENGTH TESTS: ASTM C39/C39M; TEST ONE SET OF TWO LABORATORY-CURED SPECIMENS AT 7 DAYS AND ONE SET OF TWO SPECIMENS AT 28 DAYS.
 - A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM A SET OF TWO SPECIMENS OBTAINED FORM SAME COMPOSITE SAMPLE AND TESTED AT AGE INDICATED.
 - WHEN STRENGTH OF FIELD-CURED CYLINDERS IS LESS THAN 85 PERCENT OF COMPANION LABORATORY-CURED CYLINDERS, CONTRACTOR SHALL VALUATE OPERATIONS AND PROVIDE CORRECTIVE PROCEDURES FOR PROTECTING AND CURING IN-PLACE CONCRETE.
 - STRENGTH OF EACH CONCRETE MIXTURE WILL BE SATISFACTORY IF EVERY AVERAGE OF ANY THREE CONSECUTIVE COMPRESSIVE-STRENGTH TEST EQUALS OR EXCEEDS SPECIFIED COMPRESSIVE STRENGTH AND NO COMPRESSIVE-STRENGTH TEST VALUE FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI (3.4 MPa).
 - NON DESTRUCTIVE TESTING:
 - IMPACT HAMMER, SONOSCOPE, OR OTHER NON DESTRUCTIVE DEVICE MAY BE PERMITTED BY ENGINEER BUT WILL NOT BE USED AS SOLE BASIS FOR AN APPROVAL OR REJECTION OF CONCRETE.
 - ADDITIONAL TESTS:
 - TESTING AND INSPECTING AGENCY SHALL MAKE ADDITIONAL TEST OF CONCRETE WHEN TEST RESULTS INDICATE THAT SLUMP, AIR ENTRAINMENT, COMPRESSIVE STRENGTH, OR OTHER REQUIREMENTS HAVE NOT BEEN MET, AS DIRECTED BY ENGINEER. TESTING AND INSPECTING AGENCY MAY CONDUCT TEST TO DETERMINE ADEQUACY OF CONCRETE BY CORED CYLINDERS COMPLYING WITH ASTM C42/C42M OR BY OTHER METHODS AS DIRECTED BY ENGINEER.
 - ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.
 - CORRECT DEFICIENCIES IN THE WORK THAT TEST REPORTS AND INSPECTIONS INDICATE DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS.

COLD-FORMED METAL FRAMING:

- FINAL DESIGN AND DETAILING BY SUPPLIER SHALL PROVIDE ALL COLD FORM METAL FRAMING ACCESSORIES, BRACING, CLIPS, STIFFENERS, ANCHORAGE, AND FASTENERS NECESSARY TO CONSTRUCT THE COMPLETED FRAMING SYSTEM PER AISI STANDARDS.
- PROVIDE INSULATION EQUAL TO THAT SPECIFIED ELSEWHERE IN ALL MULTIPLY-MEMBER JAMB STUDS AND MULTIPLY-MEMBER HEADERS WHICH WILL NOT BE ACCESSIBLE TO THE INSULATION CONTRACTOR.
- CLEAN ALL SURFACES THAT WILL BE IN CONTACT WITH LIGHT GAUGE FRAMING PRIOR TO ASSEMBLY.
- POSITION ALL MEMBERS PLUMB OR LEVEL AND SQUARE WITH PERPENDICULAR ADJOINING MEMBERS.
- ALL FRAMING TO BE HELD FIRMLY IN POSITION UNTIL PERMANENTLY FASTENED.
- FULLY SEAT STUDS IN TRACK THE FULL DEPTH OF THE TRACK UNLESS NOTED OTHERWISE ON PLANS.
- SPLICED MEMBERS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED AND APPROVED BY THE EOR.
- TRACK SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE. SPLICES IN TRACKS SHALL BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT OR SHALL BE BUTT-WELDED TOGETHER.
- WALL STUD BRIDGING SHALL BE ATTACHED TO PREVENT STUD ROTATION. BRIDGING ROWS SHALL BE SPACED VERTICALLY AT 48 INCHES ON CENTER, UNLESS NOTED OTHERWISE.
- PROVIDE VERTICAL DEFLECTION ALLOWANCE IN STUD TRACK OR SIMILAR DIRECTLY BELOW BUILDING FRAMING AT NON-LOAD BEARING WALLS.
- CONSTRUCT CORNERS USING A MINIMUM OF THREE STUDS, DOUBLE OR TRIPLE STUDS AT DOOR AND WINDOW OPENINGS AS SHOWN ON THE DRAWINGS. FASTEN TOGETHER WITH (2) #10 AT 12" O/C IF BACK-TO-BACK OR PROVIDE SIMILAR BOXED ARRANGEMENT WITH TRACK.
- LIGHT GAUGE CONTRACTOR SHALL DESIGN AND PROVIDE BOXED HEADERS CONSISTING OF (2) TRACK SECTIONS AND (2) STUD SECTIONS AT ALL FRAMED OPENINGS, UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL PLANS FOR OPENING SIZES AND LOCATIONS.
- PROVIDE A MIN. OF (2) FULL HEIGHT STUDS AT JAMBS OF FRAMED OPENINGS.
- ALL EXTERIOR STUDS SHALL BE A MINIMUM OF 43 MIL THICKNESS. FINAL DESIGN BY LIGHT GAUGE SUPPLIER.
- CONTRACTOR SHALL PROVIDE DELEGATED DESIGN SERVICES.
- ANY STUD, JOIST OR OTHER INDICATED WITH INCOMPLETE DESIGNATION (E.G. "6" MTL STUDS) AND NOT A COMPLETE DESIGNATION (E.G. 600S162-43) SHALL BE INTERPRETED AS A COMPONENT FOR WHICH DELEGATED DESIGN OF THE MISSING INFORMATION IS REQUIRED.
- NOTCHING OF STUDS, JOISTS, BEAMS, TRUSS MEMBERS, ETC IS NOT PERMITTED WITHOUT PRIOR APPROVAL BY THE DESIGN ENGINEER.
- LATERAL DEFLECTION OF STUDS SHALL BE LIMITED TO:
 - EXTERIOR STUDS @ BRICK: L/480
 - EXTERIOR STUDS @ METAL PANEL: L/240

EAPC

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LAW ENFORCEMENT
CENTER**

PROJECT DESCRIPTION

**WILLIAMS COUNTY
LAW ENFORCEMENT
CENTER INFIRMARY**

CITY

WILLISTON

STATE

ND

ISSUE DATES

RS	FINAL REVIEW	06/09/2025
MARK	DESCRIPTION	DATE

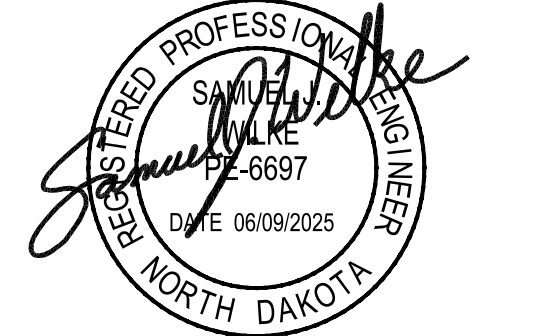
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**GENERAL
STRUCTURAL NOTES**

S001

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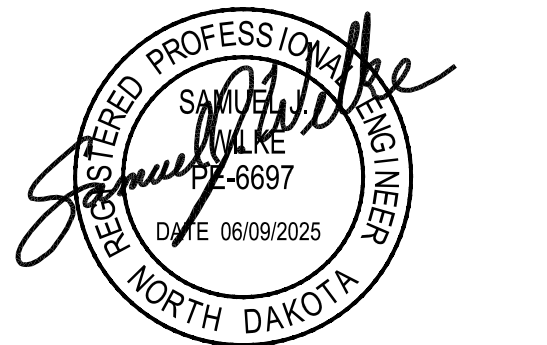
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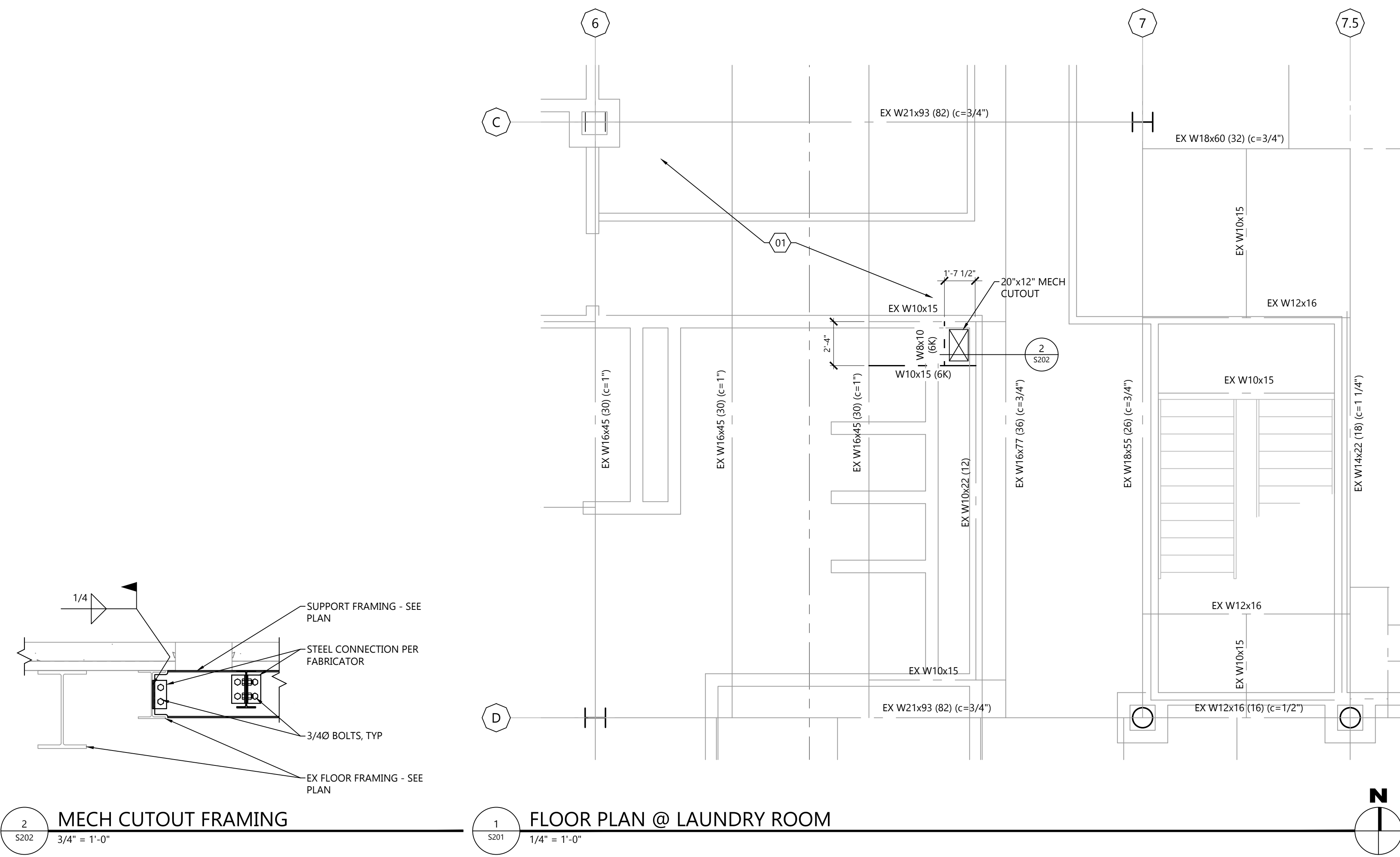
MECHANICAL
CUTOUT

S202

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

01 EXISTING 4" CONCRETE SLAB OVER 2"x20 GA COMPOSITE METAL DECK (6" TOTAL THICKNESS).



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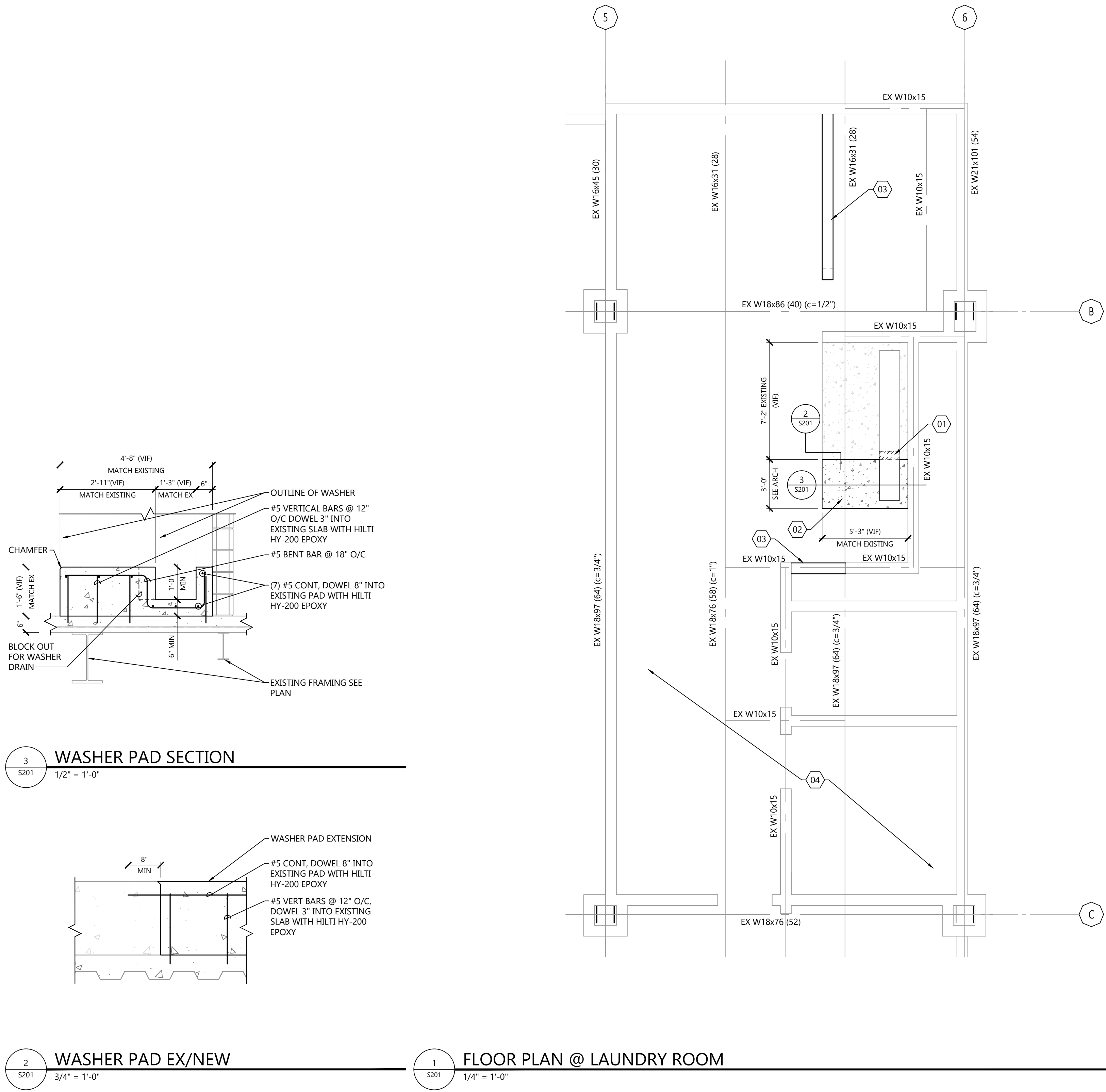
ROOM EQUIPMENT INSTALL

S201

KEYNOTE LEGEND:

< < < INDICATES KEYNOTE ON PLAN

- | | |
|----|--|
| 01 | SAW CUT AND REMOVE EXISTING EDGE OF TRENCH DRAIN. |
| 02 | WASHER CONCRETE PAD, MATCH EXISTING. |
| 03 | CFS STUD WALL, MATCH EXISTING. |
| 04 | EXISTING 4" CONCRETE SLAB OVER 2"x20 GA COMPOSITE METAL DECK (6" TOTAL THICKNESS). |



3 WASHER PAD SECTION

2 WASHER PAD EX/NEW

FLOOR PLAN @ LAUNDRY ROOM