VA BLACK HILLS HEALTH CARE SYSTEM

RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS

BUILDING #113

FORT MEADE, SOUTH DAKOTA

VA #568-14-110

CONSTRUCTION DOCUMENTS

06/10/2022

Black Hills Health Care System
Department of Veterans Affairs

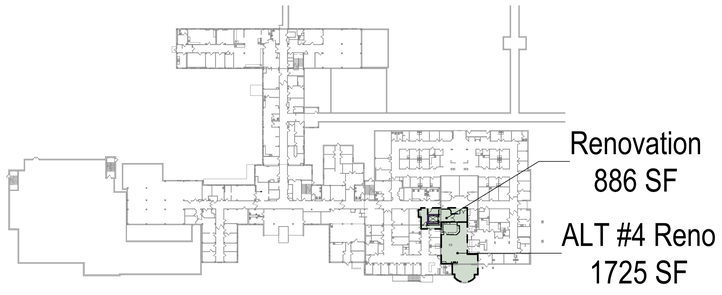
DEDUCT ALTERNATES

ALTERNATE 1 - REMOVE PATIENT LIFT SYSTEM FROM (4) SLEEP LAB PATIENT ROOMS. (205, 206, 207, 208)

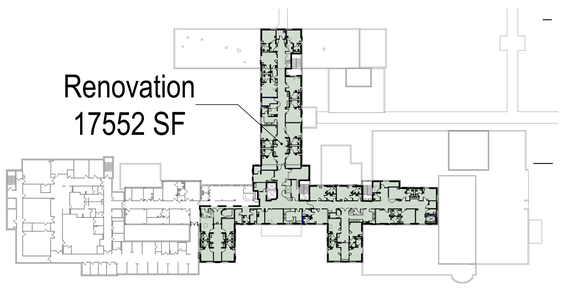
ALTERNATE 2 - AT ALL HEADWALLS, ELIMINATE THE HPL PANELS AND REVEAL TRIM FROM BEHIND BED BETWEEN COLUMNS. PAINT TO MATCH WALL.

ALTERNATE 3 - AT ALL NURSE STATIONS, NURSE SUB-STATIONS, IN ALCOVES, AND 1ST LEVEL RECEPTION CHANGE SOLID SURFACE COUNTERTOPS TO PLASTIC LAMINATE.

ALTERNATE 4 - 1ST LEVEL RENOVATION OF RECEPTION FOR SPECIALTY CARE AND WAITING ROOMS.

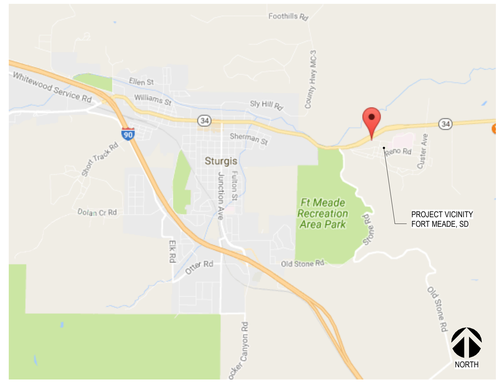


D1 **1ST LEVEL AREA PLAN**
NTS

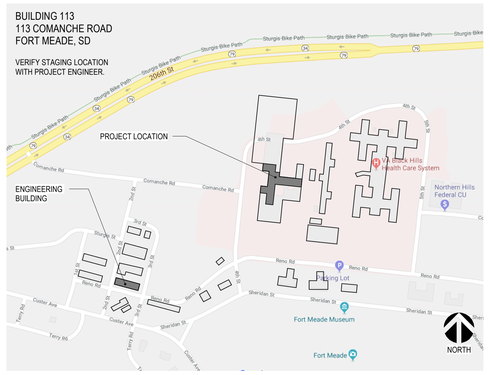


D4 **2ND LEVEL AREA PLAN**
1/64" = 1'-0"

VICINITY MAP



LOCATION MAP



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COMMON ABBREVIATIONS

SYMBOLS USED AS ABBREVIATIONS:

&	AND
L	ANGLE
LL	DOUBLE ANGLE
@	AT
d	PENNEY
#	POUND OR NUMBER
Ø	ROUND OR DIAMETER

ABBREVIATIONS:

A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT/ROD
ABV	ABOVE
AC	ASPHALTIC CONCRETE/AIR CONDITIONER
ACC	ACCESSIBLE
ACM	ALUMINUM COMPOSITE MATERIAL
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJUSTABLE, ADJACENT, ADJOINING
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APC	ACOUSTICAL PANEL CEILING
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ASI	ARCHITECTURAL SUPPLEMENTAL INFORMATION
BD	BOARD
BEV	BEVELED
BFF	BELOW FINISH FLOOR
BL	BRICK LEDGE
BLDG	BUILDING
BLKG	BLOCK (ING)
BM	BEAM
BOT	BOTTOM
BO	BOTTOM OF
BOC	BOTTOM OF CONCRETE
BOF	BOTTOM OF FOOTING
BRG	BEARING
BRK	BRICK
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
C	CHANNEL/CELSIUS
CAB	CABINET
CB	CERAMIC BASE
CC	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CD	CONSTRUCTION DOCUMENTS
CEM	CEMENT
CF	CUBIC FEET OR FOOT
CG	CORNER GUARD
CIPC	CAST-IN-PLACE CONCRETE
CJ	CONTROL/CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLKG	CAULKING
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT
CO	CHANGE ORDER/CLEAN OUT
COL	COLUMN
COMB	COMBINATION
COMP	COMPOSITE/COMPOSITION
CONC	CONCRETE
CONN	CONNECT (ION)
CONST	CONSTRUCTION
CONT	CONTINUOUS, CONTINUE
CONTR	CONTRACT (OR)
COORD	COORDINATE
CORR	CORRUGATED/CORRIDOR
CPT	CARPET
CPPT	CARPET TILE
CSMT	CASEMENT
CT	CERAMIC TILE
CTB	CARPET TILE BASE
CTR	CENTER
D	DEPTH
DBL	DOUBLE
DEMO	DEMOLITION, DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVIDE, DIVISION
DISP	DISPENSER
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING (S)
DWR	DRAWER
DWTR	DUMBWAITER
(E)	EXISTING
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENL	ENLARGED
EMER	EMERGENCY
ENGR	ENGINEER
EOP	EDGE OF PAVEMENT
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPS	EXPANDED POLYSTYRENE BOARD
EPT	EPOXY PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EST	ESTIMATE
ETC	ETCETERA
ETR	EXISTING TO REMAIN
EW	EACH WAY
EXIST	EXISTING
EXC	EXCAVATE/EXCAVATION
EXH	EXHAUST
EXP	EXPANSION/EXPOSED
EXT	EXTERIOR
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FAB	FABRICATE/FABRICATION
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FINISH FLOOR ELEVATION
FIN	FINISH (ED)
FLOUR	FLUORESCENT
FLR	FLOOR (ING)
FO	FACE OF
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOF	FACE OF FINISH
FR	FIRE RESISTANT/FRAME
FRP	FIBERGLASS REINFORCED PANEL
FS	FLOOR SINK
FT	FOOT, FEET/FIRE TREATED
FTG	FOOTING
FURG	FURRING
FUT	FUTURE
FV	FIELD VERIFY
GA	GAGE, GAUGE
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GL	GLASS
GLU LAM	GLUE LAMINATED (BEAM)
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HB	HOSE BIB
HC	HANDICAP / HOLLOW CORE
HD	HEAVY DUTY
HDBD	HARDBOARD
HDR	HEADER
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATION, AIR-CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER/DIMENSION
IFC	INTERNATIONAL FIRE CODE
IN	INCH(ES)
INCL	INCLUDE (D), INCLUDING
INFO	INFORMATION
INSP	INSPECTION
INSTR	INSTRUCTION(S)
INSUL	INSULATE (D), INSULATION
INT	INTERIOR
JAN	JANITOR
JST	JOIST
JT	JOINT
KCJ	KEYED CONSTRUCTION JOINT
KO	KNOCK OUT
L	LENGTH / ANGLE
LAB	LABORATORY
LAM	LAMINATE (ED)
LAV	LAVATORY
LB	POUND
LF	LINEAR FEET
LH	LEFT HAND
LKR	LOCKER
LOC	LOCATION
LONG	LONGITUDINAL
LT	LIGHT
LVR	LOUVER
LVT	LUXURY VINYL TILE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MC	MEDICINE CABINET
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURE (R)
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MIRROR
MTL	METAL
(N)	NEW
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPP	OPPOSITE
OPG	OPENING
ORIG	ORIGINAL
ORD	OVERFLOW ROOF DRAIN
OZ	OUNCE
PAR	PARALLEL
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL
PERF	PERFORATED
PERP	PERPENDICULAR
PL	PLATE
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR/PROPOSAL REQUEST
PRCST	PRECAST CONCRETE
PREFAB	PREFABRICATE
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PT	PAINT / PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
R	RADIUS/RISER
RB	RUBBER BASE
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECESSED
REF	REFERENCE/REFRIGERATOR
REINF	REINFORCE (D), (ING), (MENT)
REQ	REQUIRE
REQD	REQUIRED
RES	RESILIENT FLOORING
RET	RETURN
REV	REVISION (S), REVISED
RFI	REQUEST FOR INFORMATION
RFP	REQUEST FOR PROPOSAL
RH	RIGHT HAND
RL	RIDGE LINE
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RVS	REVERSE (SIDE)
RWL	RAIN WATER LEADER
S	SOUTH
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SCR	SHOWER CURTAIN ROD
SCT	SECTION
SD	SOAP DISPENSER
SF	SQUARE FOOT
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SLDG	SLIDING
SLNT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNX	SANITARY NAPKIN DISPOSAL
SOG	SLAB ON GRADE
SPEC	SPECIFICATION (S)
SQ	SQUARE
SSM	SOLID SURFACE MATERIAL
SST	STAINLESS STEEL
ST	STREET
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SW	SHEARWALL
SYM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TOWEL BAR
TBD	TO BE DETERMINED
TEMP	TEMPORARY/TEMPERED
TER	TERRAZZO
TFE	TOP FOOTING ELEVATION
THD	THREAD (ED) (S)
THK	THICKNESS
THRU	THROUGH
TKBD	TACKBOARD
TL	TILE
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE/CURB
TOD	TOP OF DECK
TOF	TOP OF FOOTING (FOUNDATION)
TOM	TOP OF MASONRY
TOP	TOP OF PIER
TOJ	TOP OF JOIST
TOS	TOP OF SLAB/STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPO	THERMOPLASTIC POLYOLEFIN
TPTN	TOILET PARTITION
TRANS	TRANSVERSE
TS	TUBE STEEL
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
V	SHEAR
VAR	VARIES
VB	VAPOR BARRIER
VC	VA PROVIDED/CONTRACTOR INSTALLED
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
VV	VA PROVIDED/ VA INSTALLED
VWC	VINYL WALL COVERING
W	WEST/WIDTH
W/	WITH
W/O	WITHOUT
WA	WEDGE ANCHOR
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD/WOODWORK
WDW	WINDOW
WF (W)	WIDE FLANGE
WG	WALL GUARD
WH	WATER HEATER
WI	WROUGHT IRON
WL	WIND LOAD
WP	WATERPROOF (ING)
WR	WATER RESISTANT
WSCT	WAINSCOT
WT	WEIGHT/WINDOW TREATMENT
WWF	WELDED WIRE FABRIC

SYMBOLS LEGEND

BATT INSULATION
GYPSUM BOARD
EARTH
CONCRETE
RIGID INSULATION
EXISTING CONSTRUCTION TO BE REMOVED
NEW CONSTRUCTION
WOOD ROUGH (CONTINUOUS)
WOOD ROUGH (SPACED)
PLYWOOD
BLOCK WALL/VENEER
DIMENSION LINE
BREAK LINE
ROOM TAG (ROOM / XXX)
DOOR TAG (101)
WINDOW TAG (109)
INTERIOR PARTITION TYPES (A10)
FURNITURE, FIXTURE, & EQUIPMENT INDICATOR (?)
KEYNOTE TAG (?)
REVISION TAG (1)
CORNER GUARD (CG)
CONTROL JOINT (CJ)

DETAIL INDICATOR (X / X-XX)
WALL SECTION INDICATOR (X / X-XX)
ELEVATION INDICATOR, EXTERIOR (X / X-XX)
ELEVATION INDICATOR, INTERIOR, (X / X-XX)
ELEVATION INDICATOR
CENTER LINE
NORTH ARROW (NORTH)
DRAWING TITLE (XX / XX-XX) — DRAWING BLOCK TITLE, TYPICAL
COLUMN GRID (A / 1)
FIRE EXTINGUISHER CABINET (FEC)
FIRE EXTINGUISHER (FE)
CARD READER (CR)

Revision#	Description	Date:

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TODD STONE, AIA

STONE GROUP ARCHITECTS

STAMP

REGISTERED ARCHITECT 9771 TODD RAND STONE SOUTH DAKOTA 6·10·22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: COVER SHEET	Phase: CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS	Project Number: VA #568-14-110 SGA #1677
	Building Number: 113
Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: GI001
Issue Date: 06/10/2022 / Checked: TS / Drawn: JN/JH	

C:_SGA Revit Local\21901 FT MEADE INPATIENT REDESIGN_A20_jessek.RVT
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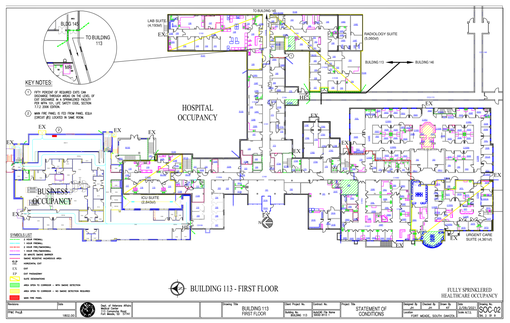
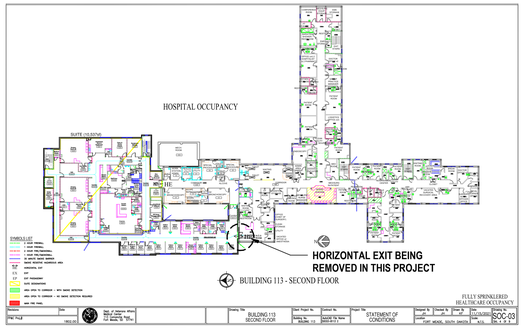
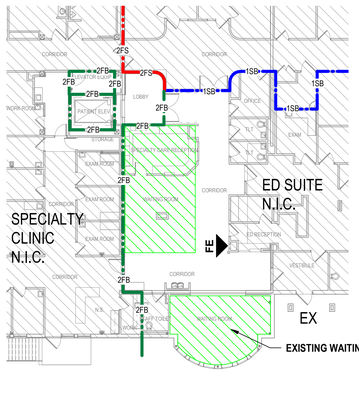
VA FORM 08 - 6231



1ST LEVEL EXISTING SOC DRAWING - 2/9/2021

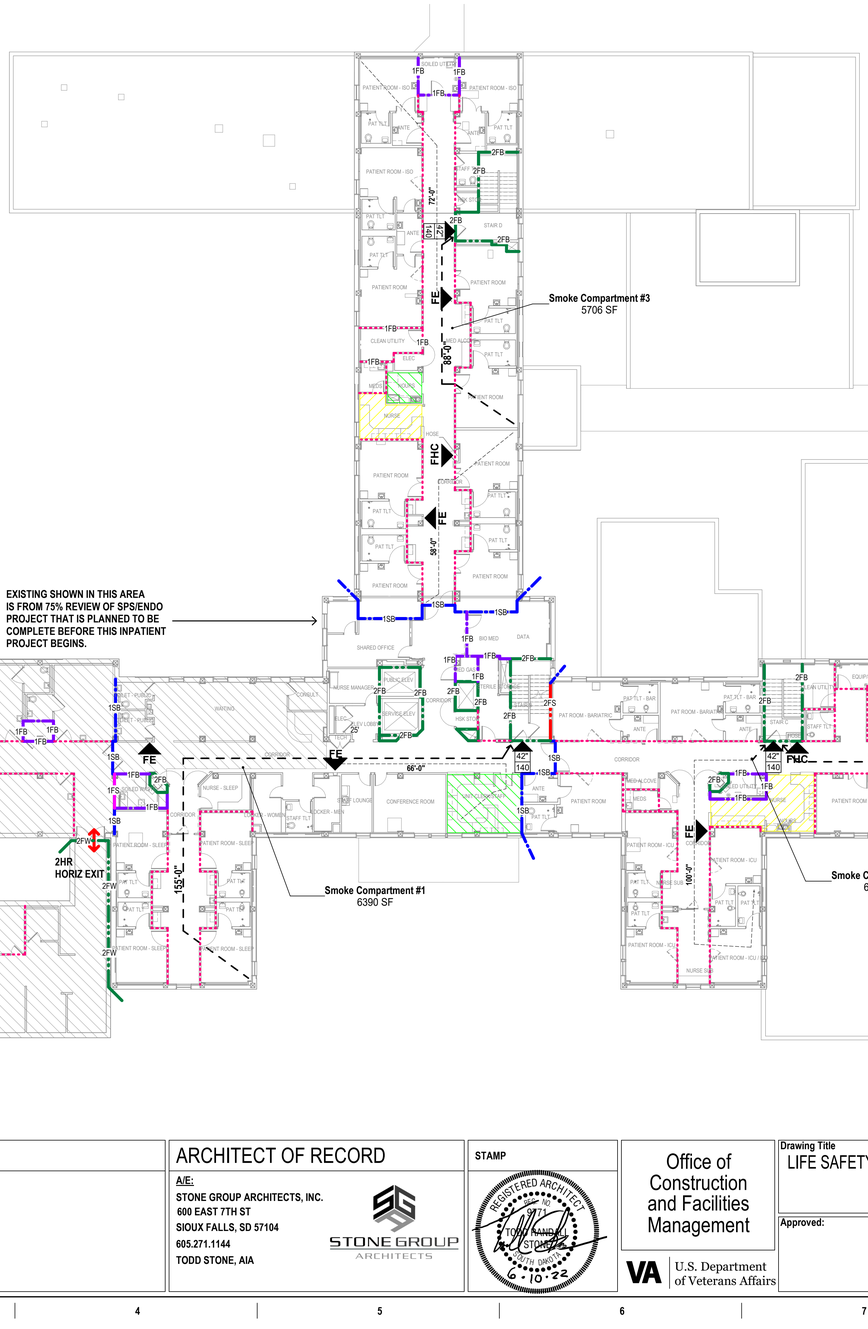


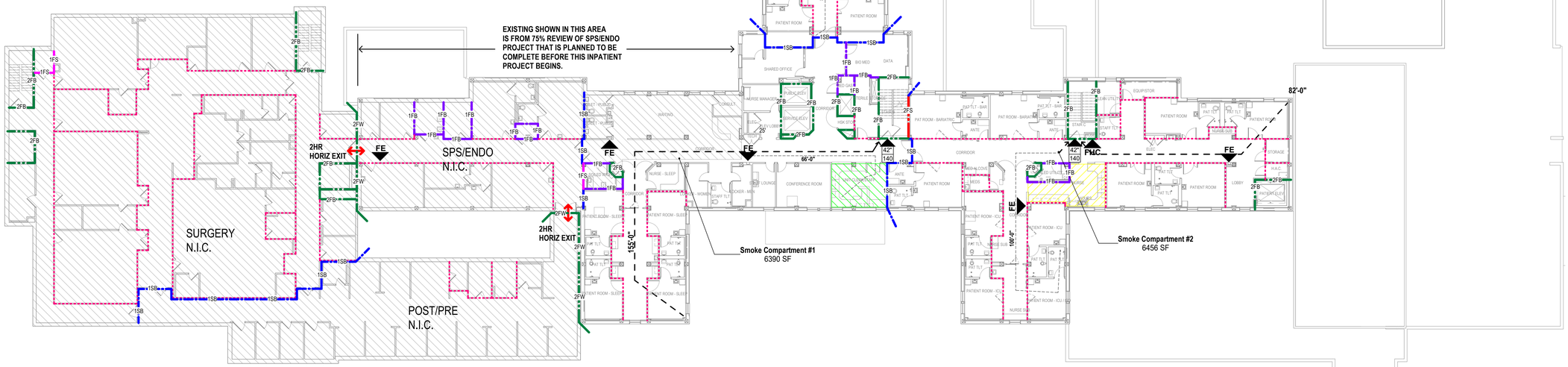
2ND LEVEL EXISTING SOC DRAWING - 2/9/2021



D1 1ST LEVEL LIFE SAFETY PLAN

1/16" = 1'-0"





F1 2ND LEVEL LIFE SAFTEY PLAN

NTS

BUILDING CODE SUMMARY

PROJECT:		FORT MEADE VAMC INPATIENT RENOVATION – BLDG 113
VA PROJECT #		568-14-110
ARCHITECT:		STONE GROUP ARCHITECTS 319 N. MAIN AVENUE, SUITE 2 SIOUX FALLS, SD 57104
DESCRIPTION OF USE:		RENOVATION OF INPATIENT ROOMS, INTENSIVE CARE ROOMS, AND SLEEP LAB.
BUILDING CODE AGENCY/JURISDICTION:		CITY OF FORT MEADE, SOUTH DAKOTA
BUILDING CODE:		NFPA 101 LIFE SAFETY CODE (2021) 2021 INTERNATIONAL BUILDING CODE (Only when specifically referenced in VA Design Docs)
FIRE CODE:		NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
PLUMBING CODE:		2021 INTERNATIONAL PLUMBING CODE
MECHANICAL CODE:		2021 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE:		2021 NATIONAL ELECTRICAL CODE
OCCUPANCY CLASSIFICATION:		GROUP I-2 OCCUPANCY (SECTION 308) (LSC CHAPTER 19 – EXISTING HEALTH CARE OCCUPANCIES)
CONSTRUCTION TYPE:		TYPE I-B - (SECTION 602.2, AND TABLE 504.3, 504.4, AND 506.2) TYPE II (222) - (LSC SECTION 19.1.6)
FIRE PROTECTION REQUIREMENT:		BUILDING EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 (LSC SECTION 19.3.5)
ALLOWABLE HEIGHT:	FEET STORIES	160' (TABLE 503.4) 4 STORIES (TABLE 504.4) – 4 OR MORE STORIES (LSC TABLE 19.1.6.1)
ACTUAL HEIGHT:	FEET STORIES	31'-4" 2-STORIES W/ BASEMENT
ALLOWABLE FLOOR AREA:		UNLIMITED (SECTIONS 503 & 506, TABLE 506.2) N/A (NFPA 101)

ACTUAL FLOOR AREA:	BASEMENT	FIRST	SECOND
EXISTING REMODEL	0	2,600 SF	17,786 SF
NEW	0	0	0

SMOKE COMPARTMENTS: (LSC 19.3.7)
- AT LEAST 2 PER FLOOR UNLESS LESS THAN 50 OCCUPANT LOAD ON FLOOR
- NOT TO EXCEED 22,500 SF EACH

FIRE RESISTIVE REQUIREMENTS (TABLE 601) (LSC SECTIONS 8.2.3 &19.1.6, TABLE A.8.2.1.2 & TABLE 19.1.6.1)

BEARING WALLS - EXTERIOR	= 2 HR	
BEARING WALLS - INTERIOR	= 2 HR	
STRUCTURAL FRAME	= 2 HR	
FLOOR/FLOOR-CEILING	= 2 HR	
ROOF/ROOF-CEILING	= 1 HR	
NON-BEARING WALLS - EXTERIOR	= 0 HR	
PARTITIONS	= 0 HR	
SMOKE BARRIERS BETWEEN SMOKE COMPARTMENTS	= 1 HR	LSC 19.3.7.3
SHAFT ENCLOSURES	= 2 HR	
STAIR ENCLOSURES	= 2 HR	

EXITING:

MAXIMUM FLOOR AREA ALLOWANCE (TABLE 1004.1.2) (LSC TABLE 7.3.1.2)

I-2 INPATIENT TREATMENT AREAS	240 SF / PERSON
I-2 SLEEPING AREAS	120 SF / PERSON
B OFFICE	150 SF / PERSON
S STORAGE	300 SF / PERSON

EGRESS CAPACITY (LSC TABLE 7.3.3.1)

STAIRWAY	0.3 IN. / PERSON
DOOR	0.2 IN. / PERSON

CORRIDOR WALLS:
- CORRIDOR WALLS IN SMOKE COMPARTMENT NON-FIRE RATED PARTITIONS BUT MUST LIMIT THE TRANSFER OF SMOKE. (LSC 19.3.6.2.2 THROUGH LSC 19.3.6.2.6)
- SPACES OTHER THAN PATIENT SLEEPING ROOMS, TREATMENT ROOMS, AND HAZERDOUS AREAS, SHALL BE PERMITTED TO BE OPEN TO THE CORRIDOR. (LSC 19.3.6.1 (7))

TRAVEL DISTANCE LIMITS: (TABLE A.7.6)

	COMMON:	TRAVEL:	DEAD END:
DEAD-END CORRIDORS (LSC 19.2.5.2)	100 FT	200 FT	30 FT

*Existing dead-end corridors exceeding 30 ft shall be permitted to continue in use if it is impractical and unfeasible to alter them.

NOTE:
THE EXISITNG ARRANGEMENT OF EXITS AND THE CONTINUATION OF THE CORRIDORS BEYOND IS AN INHERENT CONDITION OF THE EXISITNG BUILDING. THERE ARE STANDING EXCEPTIONS FOR THE EXISITNG DEAD-ENDS THAT WILL STAY IN PLACE.

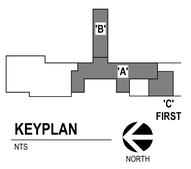
BUILDING CODES, GUIDES, MANUALS

NOTE: ALL WORK IS TO BE PERFORMED TO THE LATEST EDITION OF THE FOLLOWING CODES, ORDINANCES, AND LAWS WHICH INCLUDE, BUT ARE NOT LIMITED TO:

- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE INFORMATION ON THE TECHNICAL INFORMATION LIBRARY (TIL)
- INTERNATIONAL BUILDING CODE (IBC) (ONLY WHEN SPECIFICALLY REFERENCED IN VA DESIGN DOCUMENTS)
- NFPA 101 LIFE SAFETY CODE
- NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
- OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS
- VA SEISMIC DESIGN REQUIREMENTS, H-18-8
- NATIONAL ELECTRICAL CODE (NEC)
- INTERNATIONAL PLUMBING CODE (IPC)
- ASME BOILER AND PRESSURE VESSEL CODE
- ASME CODE FOR PRESSURE PIPING
- ARCHITECTURAL BARRIER ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13)
- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
- MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- ENERGY POLICY ACT OF 2005 (EPACT)
- DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433, 434, AND 435.
- FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
- EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENT, ENERGY, AND TRANSPORTATION MANAGEMENT.
- THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS. STATED IN THE GENERAL REQUIRMENTS SECTION 01010 IF THE VA MASTER CONSTRUCTION SPECIFICATION.
- VENTILATION FOR THE ACCEPTABLE INDOOR AIR QUALITY – ASHRAE STANDARD 62.1 – 2004.
- SAFETY STANDARD FOR REFRIGERATION SYSTEMS – ASHRAE STANDARD 15 – 2007.
- ASME SAFETY CODE FOR ELEVATORS – A17.1, A17.3, A17.5, A17.6, A18.1
- STANDARDS FOR THE QUALIFICATION OF ELEVATOR INSPECTORS – ASME QUE-1
- GUIDE FOR INSPECTION OF ELEVATORS – A17.2
- AMERICAN SOCIETY OF SAFETY ENGINEERS (ASSE) – PERSONNEL HOISTS AND EMPLOYEE ELEVATORS ON CONSTRUCTION AND DEMOLITION OPERATIONS A10.4

LIFE SAFETY LEGEND

- 2FW — 2HR FIRE WALL
- 2FB — 2HR FIRE BARRIER
- 1FB — 1HR FIRE BARRIER
- 2FS — 2HR FIRE / SMOKE BARRIER
- 1FS — 1HR FIRE / SMOKE BARRIER
- 1SB — 1HR SMOKE BARRIER
- 2SB — 2HR SMOKE BARRIER
- SMOKE PARTITION
- FHC / FE — FIRE HOSE CABINET / FIRE EXTINGUISHER
- 75'-0" — TRAVEL DISTANCE TO FE
- 200'-0" — TOTAL PATH OF TRAVEL (FEET)
- 2HR HORIZ EXIT — HORIZONTAL EXIT
- EX — EXIT
- DOOR WIDTH 36" / TOTAL ALLOWABLE OCCUPANTS 120 — SMOKE DOOR WIDTH
- EXIT LIGHTS. REF ELECTRICAL
- AREA OPEN TO CORRIDOR (WITH SMOKE DETECTION) LSC 19.3.6.1 (2)
- AREA OPEN TO CORRIDOR (NO SMOKE DETECTION REQUIRED) LSC 19.3.6.1 (3)



KEYPLAN
NTS
NORTH

Revision#	Description	Date:

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STONE GROUP ARCHITECTS

STAMP

REGISTERED ARCHITECT — TODD RANDALL STONE — SOUTH DAKOTA — 6 · 10 · 22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: LIFE SAFETY PLAN AND SUMMARY	Phase: CONSTRUCTION DOCUMENTS	Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS	Project Number: VA #568-14-110 SGA #1677
			Building Number: 113
Approved:	FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: GI101
		Issue Date: 06/10/2022 / Checked: TS / Drawn: JN/JH	

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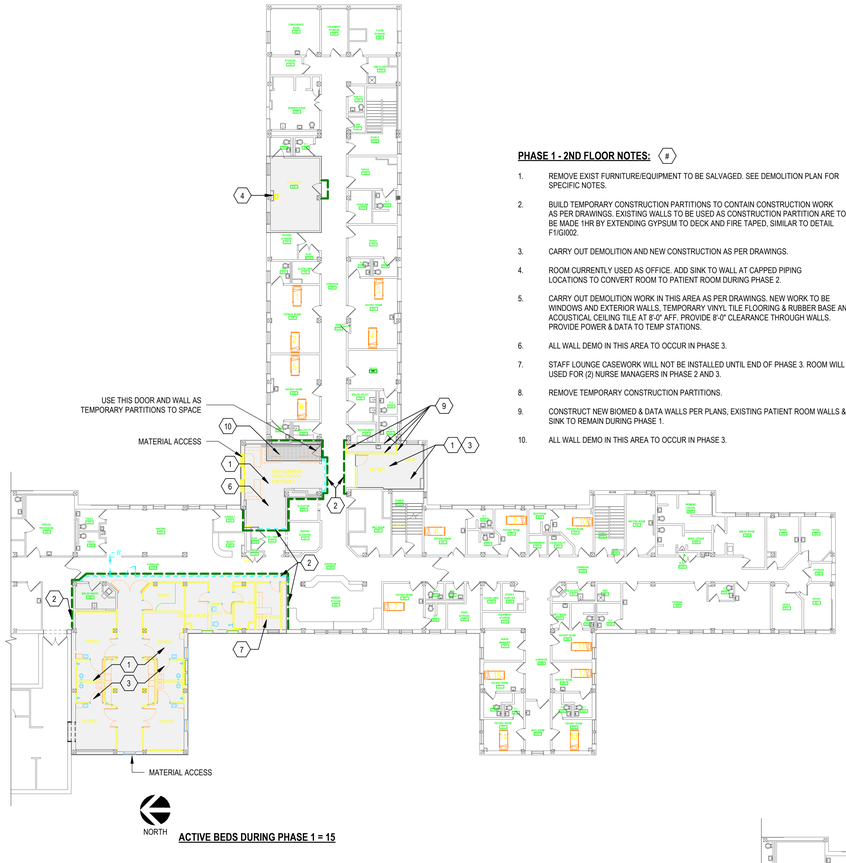
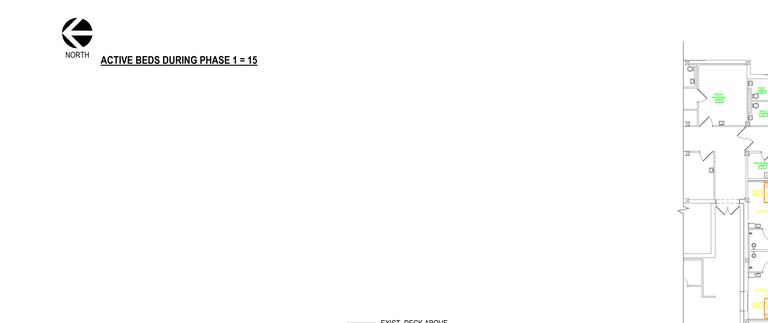


NORTH

ACTIVE BEDS DURING PHASE 1 = 15

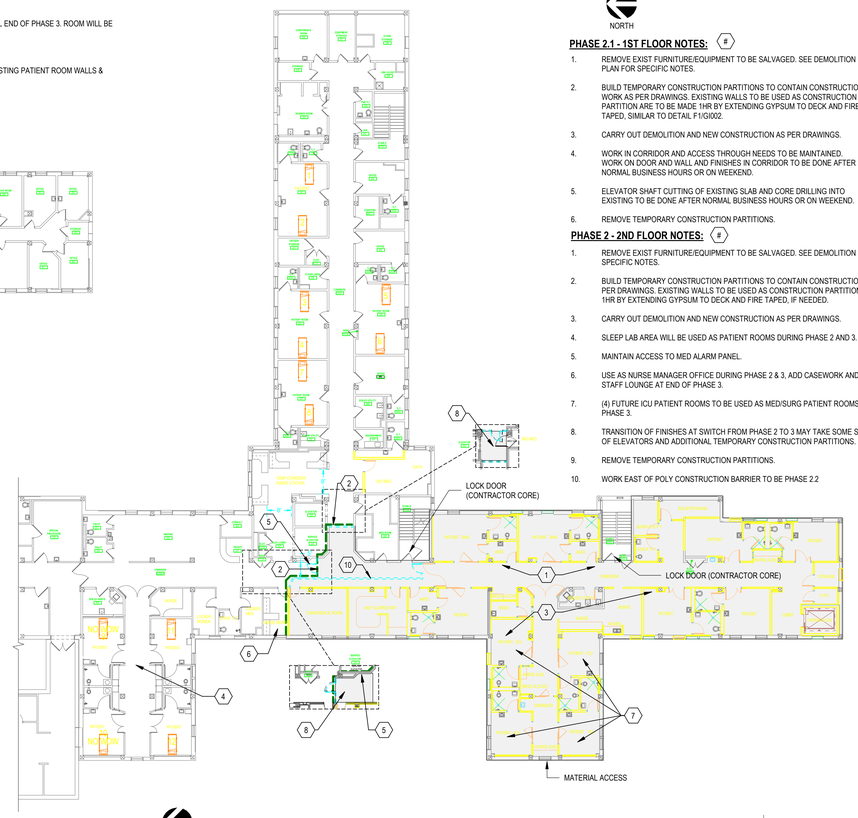
PHASE 1 - 2ND FLOOR NOTES: (#)

1. REMOVE EXIST FURNITURE/EQUIPMENT TO BE SALVAGED. SEE DEMOLITION PLAN FOR SPECIFIC NOTES.
2. BUILD TEMPORARY CONSTRUCTION PARTITIONS TO CONTAIN CONSTRUCTION WORK AS PER DRAWINGS. EXISTING WALLS TO BE USED AS CONSTRUCTION PARTITION ARE TO BE MADE 1HR BY EXTENDING GYPSUM TO DECK AND FIRE TAPED, SIMILAR TO DETAIL F1/GI002.
3. CARRY OUT DEMOLITION AND NEW CONSTRUCTION AS PER DRAWINGS.
4. ROOM CURRENTLY USED AS OFFICE. ADD SINK TO WALL AT CAPPED PIPING LOCATIONS TO CONVERT ROOM TO PATIENT ROOM DURING PHASE 2.
5. CARRY OUT DEMOLITION WORK IN THIS AREA AS PER DRAWINGS. NEW WORK TO BE WINDOWS AND EXTERIOR WALLS, TEMPORARY VINYL TILE FLOORING & RUBBER BASE AND ACOUSTICAL CEILING TILE AT 8'-0" AFF. PROVIDE 8'-0" CLEARANCE THROUGH WALLS. PROVIDE POWER & DATA TO TEMP STATIONS.
6. ALL WALL DEMO IN THIS AREA TO OCCUR IN PHASE 3.
7. STAFF LOUNGE CASEWORK WILL NOT BE INSTALLED UNTIL END OF PHASE 3. ROOM WILL BE USED FOR (2) NURSE MANAGERS IN PHASE 2 AND 3.
8. REMOVE TEMPORARY CONSTRUCTION PARTITIONS.
9. CONSTRUCT NEW BIOMED & DATA WALLS PER PLANS, EXISTING PATIENT ROOM WALLS & SINK TO REMAIN DURING PHASE 1.
10. ALL WALL DEMO IN THIS AREA TO OCCUR IN PHASE 3.



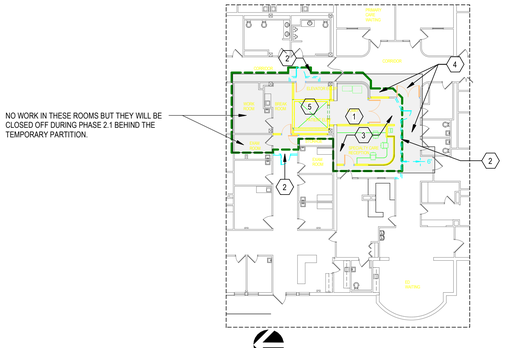
CONTRACTOR OPTION, RECONFIGURE EXISTING SPRINKLER SYSTEMS TO PROVIDE TEMPORARY UPRIGHT HEADS WITHIN 12" OF ROOF DECK FOR FULL SPRINKLER COVERAGE OF THE CONSTRUCTION AREA IN LIEU OF RATED TEMPORARY SEPERATIONS UNTIL NEW SPRINKLER SYSTEM IS IN PLACE AND CEILING FINISHES ARE INSTALLED.

F1 FIRE RATED TEMPORARY DUST PARTITION
1 1/2" = 1'-0"



NORTH

ACTIVE BEDS DURING PHASE 2 = 12
NOTE: 2 BEDS DO NOT HAVE EXTERIOR WINDOWS



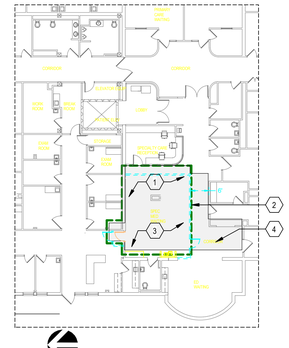
NORTH

PHASE 2.1 - 1ST FLOOR NOTES: (#)

1. REMOVE EXIST FURNITURE/EQUIPMENT TO BE SALVAGED. SEE DEMOLITION PLAN FOR SPECIFIC NOTES.
2. BUILD TEMPORARY CONSTRUCTION PARTITIONS TO CONTAIN CONSTRUCTION WORK AS PER DRAWINGS. EXISTING WALLS TO BE USED AS CONSTRUCTION PARTITION ARE TO BE MADE 1HR BY EXTENDING GYPSUM TO DECK AND FIRE TAPED, SIMILAR TO DETAIL F1/GI002.
3. CARRY OUT DEMOLITION AND NEW CONSTRUCTION AS PER DRAWINGS.
4. WORK IN CORRIDOR AND ACCESS THROUGH NEEDS TO BE MAINTAINED. WORK ON DOOR AND WALL AND FINISHES IN CORRIDOR TO BE DONE AFTER NORMAL BUSINESS HOURS OR ON WEEKEND.
5. ELEVATOR SHAFT CUTTING OF EXISTING SLAB AND CORE DRILLING INTO EXISTING TO BE DONE AFTER NORMAL BUSINESS HOURS OR ON WEEKEND.
6. REMOVE TEMPORARY CONSTRUCTION PARTITIONS.

PHASE 2 - 2ND FLOOR NOTES: (#)

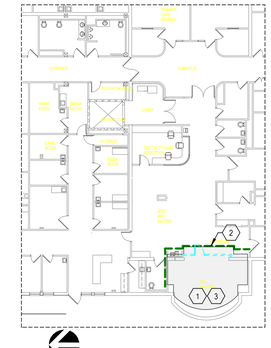
1. REMOVE EXIST FURNITURE/EQUIPMENT TO BE SALVAGED. SEE DEMOLITION PLAN FOR SPECIFIC NOTES.
2. BUILD TEMPORARY CONSTRUCTION PARTITIONS TO CONTAIN CONSTRUCTION WORK AS PER DRAWINGS. EXISTING WALLS TO BE USED AS CONSTRUCTION PARTITION TO BE MADE 1HR BY EXTENDING GYPSUM TO DECK AND FIRE TAPED, IF NEEDED.
3. CARRY OUT DEMOLITION AND NEW CONSTRUCTION AS PER DRAWINGS.
4. SLEEP LAB AREA WILL BE USED AS PATIENT ROOMS DURING PHASE 2 AND 3.
5. MAINTAIN ACCESS TO MED ALARM PANEL.
6. USE AS NURSE MANAGER OFFICE DURING PHASE 2 & 3, ADD CASEWORK AND CHANGE TO STAFF LOUNGE AT END OF PHASE 3.
7. (4) FUTURE ICU PATIENT ROOMS TO BE USED AS MED/SURG PATIENT ROOMS DURING PHASE 3.
8. TRANSITION OF FINISHES AT SWITCH FROM PHASE 2 TO 3 MAY TAKE SOME SCHEDULING OF ELEVATORS AND ADDITIONAL TEMPORARY CONSTRUCTION PARTITIONS.
9. REMOVE TEMPORARY CONSTRUCTION PARTITIONS.
10. WORK EAST OF POLY CONSTRUCTION BARRIER TO BE PHASE 2.2



NORTH

PHASE 2.2 - 1ST FLOOR NOTES: (#)

1. REMOVE EXIST FURNITURE/EQUIPMENT TO BE SALVAGED. SEE DEMOLITION PLAN FOR SPECIFIC NOTES.
2. BUILD TEMPORARY CONSTRUCTION PARTITIONS TO CONTAIN CONSTRUCTION WORK AS PER DRAWINGS. EXISTING WALLS TO BE USED AS CONSTRUCTION PARTITION ARE TO BE MADE 1HR BY EXTENDING GYPSUM TO DECK AND FIRE TAPED, SIMILAR TO DETAIL F1/GI002.
3. CARRY OUT DEMOLITION AND NEW CONSTRUCTION AS PER DRAWINGS.
4. NEW FINISHES IN CORRIDOR TO BE DONE AFTER NORMAL BUSINESS HOURS OR ON WEEKEND TO MINIMIZE TIME DOWN TO URGENT CARE ENTRANCE.
5. REMOVE TEMPORARY CONSTRUCTION PARTITIONS.



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PHASE 2.3 - 1ST FLOOR NOTES: (#)

1. REMOVE EXIST FURNITURE/EQUIPMENT TO BE SALVAGED. SEE DEMOLITION PLAN FOR SPECIFIC NOTES.
2. BUILD TEMPORARY CONSTRUCTION PARTITIONS TO CONTAIN CONSTRUCTION WORK AS PER DRAWINGS. EXISTING WALLS TO BE USED AS CONSTRUCTION PARTITION ARE TO BE MADE 1HR BY EXTENDING GYPSUM TO DECK AND FIRE TAPED, SIMILAR TO DETAIL F1/GI002.
3. CARRY OUT DEMOLITION AND NEW CONSTRUCTION AS PER DRAWINGS.
4. REMOVE TEMPORARY CONSTRUCTION PARTITIONS.

PHASING GENERAL NOTES

A. TEMPORARY CONSTRUCTION PARTITION BARRIERS FOR INFECTION CONTROL AND TO MAINTAIN FIRE BARRIER ASSEMBLIES AS REQUIRED.

B. CONTRACTOR TO COORDINATE WITH OWNER FOR STAGING AREA ON SITE AND MOBILIZATION ACCESS POINTS FOR EACH PHASE.

C. REFERENCE SPECIFICATION FOR INFORMATION REGARDING ASBESTOS IN THE EVENT THAT ASBESTOS IS PRESENT, CONTRACTOR IS RESPONSIBLE FOR ASBESTOS REMOVAL.

D. COORDINATE THE TRANSITIONS BETWEEN PHASES WITH THE OWNER TO ALLOW FOR ADEQUET TIME TO RELOCATE EXISTING EQUIPMENT / FURNITURE.

E. COORDINATE TEMPORARY INTERIOR FINISHES, POWER, HVAC, AND PLUMBING WITH OWNER IN TEMPORARY (INTERIM) SPACES.

D. COORDINATE WITH OWNER WHEN A SHUT DOWN OF ANY SYSTEMS WILL OCCUR TO MINIMIZE DISRUPTION OF EXISTING SERVICES.

E. OWNER COORDINATED RISK ASSESSMENT TO OCCUR PRIOR TO CONSTRUCTION COMMENCEMENT AND DURING PHASING TRANSITIONS.

PHASING PLAN LEGEND

(#) KEYNOTE

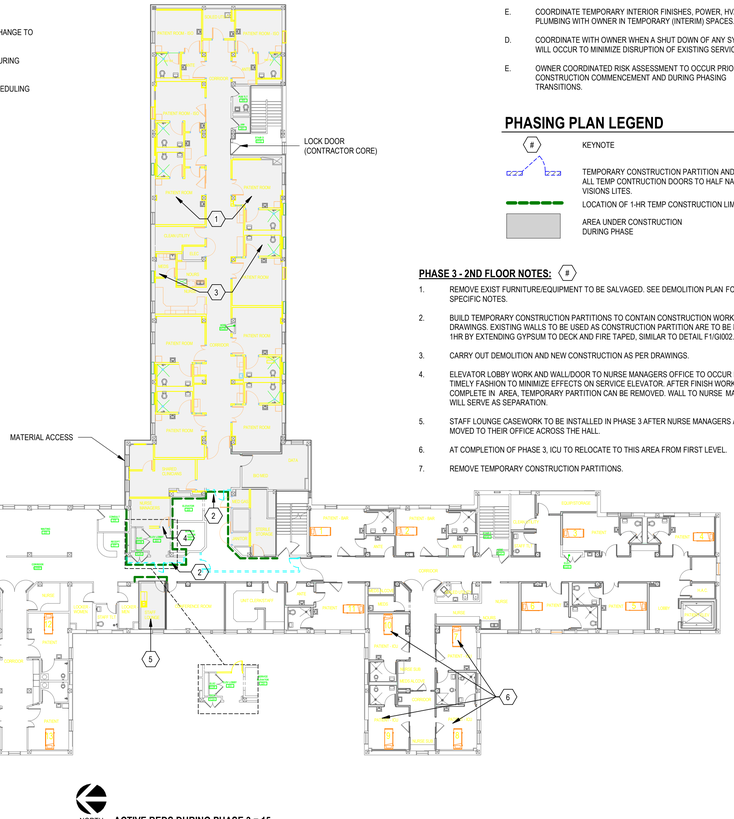
TEMPORARY CONSTRUCTION PARTITION AND DOORS ALL TEMP CONTRUCTION DOORS TO HALF NARROW VISIONS LITES.

LOCATION OF 1-HR TEMP CONSTRUCTION LIMITS

AREA UNDER CONSTRUCTION DURING PHASE

PHASE 3 - 2ND FLOOR NOTES: (#)

1. REMOVE EXIST FURNITURE/EQUIPMENT TO BE SALVAGED. SEE DEMOLITION PLAN FOR SPECIFIC NOTES.
2. BUILD TEMPORARY CONSTRUCTION PARTITIONS TO CONTAIN CONSTRUCTION WORK AS PER DRAWINGS. EXISTING WALLS TO BE USED AS CONSTRUCTION PARTITION ARE TO BE MADE 1HR BY EXTENDING GYPSUM TO DECK AND FIRE TAPED, SIMILAR TO DETAIL F1/GI002.
3. CARRY OUT DEMOLITION AND NEW CONSTRUCTION AS PER DRAWINGS.
4. ELEVATOR LOBBY WORK AND WALL/DOOR TO NURSE MANAGERS OFFICE TO OCCUR IN A TIMELY FASHION TO MINIMIZE EFFECTS ON SERVICE ELEVATOR. AFTER FINISH WORK IS COMPLETE IN AREA, TEMPORARY PARTITION CAN BE REMOVED. WALL TO NURSE MANAGERS WILL SERVE AS SEPARATION.
5. STAFF LOUNGE CASEWORK TO BE INSTALLED IN PHASE 3 AFTER NURSE MANAGERS ARE MOVED TO THEIR OFFICE ACROSS THE HALL.
6. AT COMPLETION OF PHASE 3, ICU TO RELOCATE TO THIS AREA FROM FIRST LEVEL.
7. REMOVE TEMPORARY CONSTRUCTION PARTITIONS.



NORTH

ACTIVE BEDS DURING PHASE 3 = 15
NOTE: 2 BEDS DO NOT HAVE EXTERIOR WINDOWS

Revision#	Description	Date:

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STONE GROUP ARCHITECTS

STAMP

REGISTERED ARCHITECT 9771 TODD RAND STONE SOUTH DAKOTA 6-10-22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PHASING PLANS	Phase: CONSTRUCTION DOCUMENTS	Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS	Project Number: VA #568-14-110 SGA #1677
			Building Number: 113
Approved:	FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: GI102
		Issue Date: 06/10/2022 / Checked: TS / Drawn: JN/JH	

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GENERAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
3. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING (AND ACCOMPANYING FOOTINGS), GUYS OR TIE-DOWNS.
4. ADDITIONAL OBSERVATIONS AS A RESULT OF REJECTION OF WORK COMPLETED AND/OR ADDITIONAL OBSERVATIONS DUE TO THE DEFICIENCIES IN WORK OBSERVED WILL BE AT THE EXPENSE OF THE CONTRACTOR.
5. ALL STRUCTURAL SHOP DRAWINGS TO BE REVIEWED BY JOB SUPERINTENDENT IN ADDITION TO ALL PERSONNEL DEEMED NECESSARY BY CONTRACTOR PRIOR TO SUBMITTAL TO ENGINEER FOR APPROVAL.
6. THE DESIGN OF THE STRUCTURE SHOWN IN THESE CONSTRUCTION DOCUMENTS IS FOR THE ONE-TIME USE.

DESIGN CODES:

- 2015 INTERNATIONAL BUILDING CODE.
- ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY.
- AISC 360-10 SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS.
- SDI DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS (PUBLICATION No.30).
- BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES - TMS 402-11 / ACI 530-11 / ASCE 5-11

DESIGN LOADS:

THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED WITH THE FOLLOWING SUPERIMPOSED LOADINGS:

RISK CATEGORY	IV
ROOF:	
SNOW LOAD	36 PSF + DRIFT
GROUND SNOW LOAD	43 PSF
DEAD LOAD	15 PSF
FLOOR:	
LIVE LOAD	80 PSF
PARTITION LOAD	20 PSF
CORRIDORS:	
LIVE LOAD	100 PSF
SEISMIC:	
SEISMIC DESIGN CATEGORY	A
SITE CLASSIFICATION	C

FOUNDATIONS:

FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 3,000 PSF. ON EXISTING SOILS. BEFORE CONSTRUCTION COMMENCES, SOIL BEARING CAPACITY SHALL BE VERIFIED BY A SUBSURFACE INVESTIGATION, A CERTIFIED TESTING LABORATORY, WHOSE REPORT SHALL INCLUDE ANALYSIS AND RECOMMENDATIONS FOR SITE PREPARATION IN ORDER TO BEAR THE FOUNDATION LOADS. ABOVE REPORT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW BEFORE FOUNDATION CONSTRUCTION BEGINS.

PLUMBING SLEEVES:

MINIMUM SLEEVE SPACING SHALL BE TWO DIAMETERS CENTER TO CENTER TO THE LARGER SLEEVE OR 6" CLEAR BETWEEN SLEEVES, WHICHEVER IS GREATER. PRIOR TO CONSTRUCTION SLEEVE LOCATIONS AND SIZES SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

CHEMICAL ANCHORS:

SHALL BE A POLYMER INJECTION SYSTEM SUCH AS RAMSET "EPCON", MOLLY "PARAMOUNT HVC", SIKA "SIKADUR INJECTION SEL", "HILTI-HIGH STRENGTH EPOXY", OR APPROVED EQUAL, INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. INSTALLERS SHALL BE TRAINED BY THE MANUFACTURER'S REPRESENTATIVE.

ANCHOR BOLTS:

1. SHALL BE A36 THREADED ROD. PROVIDE HOT DIP GALVANIZE FINISH ON ALL ANCHOR BOLTS PERMANENTLY EXPOSED TO EXTERIOR OR IN CONTACT WITH PRESSURE TREATED LUMBER.
2. THREADED ROD EMBEDMENT DEPTH SPECIFIED IN THE DRAWINGS SHALL BE FROM TOP OF CONCRETE TO TOP OF DOUBLE NUT.

CONCRETE TESTING:

1. CONCRETE TESTING SHALL BE PAID FOR BY THE CONTRACTOR. TESTING LABORATORY SHALL PERFORM THE FOLLOWING TEST ON CAST-IN-PLACE CONCRETE:
   A. ASTM C143 - "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT CONCRETE."
   B. ASTM C39 - "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS. A SEPARATE TEST SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY 50 CUBIC YARDS (OR FRACTION THEREOF), PLACED PER DAY. REQUIRED CYLINDER(S) QUANTITIES AND TEST AGE AS FOLLOWS:
      a. AT 7 DAYS
      b. AT 28 DAYS
   C. PROVIDE ONE ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE DIRECTION OF THE ENGINEER, IF REQUIRED. IF 28 DAY STRENGTH IS ACHIEVED, THE ADDITIONAL CYLINDER(S) MAY BE DISCARDED.

PENETRATIONS:

NO PENETRATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBERS OTHER THAN THOSE LOCATED ON THESE DRAWINGS WITHOUT PREVIOUS APPROVAL OF THE ENGINEER.

CONCRETE MIX DESIGN:

1. 1.SHALL BE MIX DESIGNED BY A RECOGNIZED TESTING LABORATORY TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX:
   A. 4,000 PSI - ALL CONCRETE
2. SUBMIT PROPOSED MIX DESIGN WITH RECENT FIELD CYLINDER OR LAB TESTS FOR REVIEW PRIOR TO USE. MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE IDENTIFICATION. CONCRETE SHALL COMPLY WITH ALL THE REQUIREMENTS OF ASTM STANDARD C94 FOR MEASURING, MIXING, TRANSPORTING, ETC. CONCRETE TICKETS SHALL BE TIME STAMPED WHEN CONCRETE IS BATCHED. THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ONE AND ONE HALF (1-1/2) HOURS. IF FOR ANY REASON THERE IS A LONGER DELAY THAN STATED ABOVE, THE CONCRETE SHALL BE DISCARDED. IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE WITH THE ABOVE. ALL SLABS SHALL BE CURED USING CURING COMPOUND MEETING ASTM STANDARD C309 TYPE 1 AND SHALL HAVE A FUGITIVE DYE. THE COMPOUND SHALL BE PLACED AS SOON AS THE FINISHING IS COMPLETED OR AS SOON AS THE WATER HAS LEFT THE UNFINISHED CONCRETE. ALL SCUFFED OR BROKEN AREAS IN THE CURING MEMBRANE SHALL BE RECOATED DAILY. CALCIUM CHLORIDES SHALL NOT BE UTILIZED; OTHER ADMIXTURES MAY BE USED ONLY WITH THE APPROVAL OF THE ENGINEER.
3. CONCRETE SHALL UTILIZE TYPE I/II CEMENT.
4. THE CONCRETE STRENGTHS SHOWN IN THE SECTION ABOVE AND IN THE SPECIFICATIONS ARE MINIMUM COMPRESSIVE STRENGTHS. THE ENGINEER SHALL DETERMINE IF THE CONCRETE IS ACCEPTABLE, OR TO BE REMOVED, OR TO RECEIVE SPECIAL CURING IF THE COMPRESSIVE STRENGTHS ARE LESS THAN SPECIFIED.
5. ALL CONCRETE EXPOSED TO WEATHER OR EARTH SHALL BE AIR ENTRAINED TO 5% TO 7%.
6. WATER REDUCING AGENTS MAY BE USED IF THE CONCRETE MIX. PLASTICIZERS AND SUPER-PLASTICIZERS MAY BE USED ONLY WHEN WRITTEN PERMISSION OF THE ENGINEER IS GIVEN.
7. NO SALTS OF ANY KIND MAY BE USED IN CONCRETE BEFORE OBTAINING THE ENGINEER'S WRITTEN PERMISSION FOR THEIR USE.
8. MAXIMUM WATER TO CEMENTITIOUS MATERIAL FOR ALL CONCRETE SHALL NOT EXCEED 0.5 UNLESS NOTED OTHERWISE.

CONCRETE AND REINFORCING PLACEMENT:

1. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 301 AND ACI 117.
2. ALL REINFORCING STEEL TO BE ASTM A615, GRADE 60 (#4 AND LARGER), EXCEPT WHERE NOTED OTHERWISE. REINFORCING SHALL NOT BE WELDED.
3. WELDED WIRE FABRIC TO CONFORM TO ASTM A185 AND SHALL BE FREE FROM OIL, SCALE, AND RUST. PLACE WWF IN ACCORDANCE WITH THE TYPICAL PLACING DETAILS OF ACI STANDARDS AND THE SPECIFICATIONS. MINIMUM LAPS SHALL BE ONE SPACE PLUS 2".
4. ALL REINFORCING STEEL BARS TO BE DETAILED AND PLACED IN ACCORDANCE WITH THE LATEST ACI MANUALS.
5. LAP ALL REINFORCING SPLICES IN CONCRETE A MINIMUM OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER, UNLESS NOTED OTHERWISE ON DRAWINGS (CLASS B SPLICE).
6. PROVIDE CORNER BARS OF SAME BAR DIAMETER AS SPECIFIED FOR THE WALL, BEAM OR FOOTING. PROVIDE MINIMUM OF 40 BAR DIAMETER LAP FOR ALL CORNER BARS, UNLESS NOTE OTHERWISE.
7. PROVIDE FOUNDATION DOWELS AS SHOWN. MINIMUM SIZE DOWELS TO BE #4, UNLESS OTHERWISE NOTED. ALL VERTICAL REINFORCING STEEL IN COLUMNS AND PIERS, OR VERTICAL REINFORCING IN WALLS, SHALL BE DOWELED INTO THE FOOTINGS WITH SAME SIZE AND QUANTITY DOWEL AS THE VERTICAL REINFORCING.
8. WHERE SHOWN ON THE DRAWINGS, PROVIDE WELD PLATES, WELDMENTS, OR CONCRETE INSERTS FOR FASTENING AND SECURING OTHER COMPONENTS. CONCRETE INSERTS SHALL BE FURNISHED BY THE CONTRACTOR REQUIRING THEM AND INSTALLED BY THE CONTRACTOR CASTING THE CONCRETE AROUND THEM. CLIP ANGLES SHALL BE FURNISHED BY THE CONTRACTOR REQUIRING THEM.
9. REINFORCING STEEL SHALL RECEIVE CONCRETE COVER AS FOLLOWS:

DESCRIPTION	MINIMUM COVER
CAST AGAINST & PERMANENTLY EXPOSED TO EARTH	3"
EXPOSED TO EARTH OR WEATHER	
#6 THROUGH #18 BARS	2"
#5 BARS OR SMALLER	1 1/2"
NOT EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH THE GROUND, SLABS AND WALLS	
#11 BARS OR SMALLER	3/4"
#14 AND #18	1 1/2"
BEAMS AND COLUMNS	1 1/2"
SHELLS, FOLDED PLATE MEMBERS:	
NO. 6 BAR AND LARGER	3/4"
NO. 5 BAR, W31 OR D31 WIRE AND SMALLER	1/2"

10. PROVIDE TWO (2) #5'S, ONE AT EACH FACE, UNLESS NOTED OTHERWISE, AROUND ALL OPENINGS GREATER THAN 12"x12" IN CAST-IN-PLACE CONCRETE. EXTEND REINFORCING 2'-0" BEYOND OPENING IN BOTH DIRECTIONS. CONTACT ENGINEER FOR ALL OPENINGS GREATER THAN 12"x12" FOR DESIGN.
11. COLD WEATHER AND HOT WEATHER PROVISIONS OF ACI 306 AND 305 (CURRENT EDITIONS), RESPECTIVELY, SHALL BE MAINTAINED.

MASONRY AND REINFORCING MASONRY PLACEMENT:

1. ALL MASONRY SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE. MATERIALS TO BE LAID AND MATERIALS TO BE BUILT UPON SHALL BE FREE FROM SNOW & ICE.
2. PROVIDE HOOKED DOWELS INTO FOOTINGS FOR ALL VERTICAL REINFORCING ABOVE AS SHOWN IN THE DRAWINGS. LAP SPLICES A MINIMUM OF 48 BAR DIAMETERS. AT THE OPTION OF THE CONTRACTOR, DOWELS MAY BE DRILLED AND EPOXIED INTO FOOTINGS IN LIEU OF HOOKS. EPOXY SHALL BE AS NOTED ON THIS SHEET UNDER "CHEMICAL ANCHORS". 6" MIN. EMBEDMENT FOR #5 OR SMALLER DOWELS, 8" MIN. EMBEDMENT FOR #6 DOWELS.
3. PROVIDE DUR-O-WALL (OR EQUAL PER SPECIFICATIONS) LADDER OR TRUSS HORIZONTAL JOINT REINFORCEMENT AT EACH SECOND COURSE IN RUNNING BOND, AND EACH COURSE IN STACKED BOND, UNLESS NOTED OTHERWISE. DISCONTINUE HORIZONTAL JOINT REINFORCEMENT AT CONTROL JOINTS.
4. PROVIDE BOND BEAMS REINFORCED WITH (2) #5 BARS EVERY 6'-0" OF VERTICAL WALL AT TOPS OF ALL MASONRY WALLS, AND WHERE SHOWN ON DRAWINGS. AT BOND BEAM CORNERS AND TEE JOINTS, PROVIDE BENT BARS TO MATCH QUANTITY AND BAR SIZE IN THE BOND BEAM. LAPS IN BOND BEAMS SHALL BE 48 BAR DIAMETERS OR A MINIMUM OF 2'-0", WHICHEVER IS GREATER.
5. WHERE SHOWN ON THE DRAWINGS, CORES IN CONCRETE BLOCKS UNITS SHALL BE FILLED WITH 3,000 PSI CONCRETE GROUT FROM TOP OF FOOTING TO BOTTOM OF BEARING, OR TO THE TOP OF WALL, DEPENDING ON THE CONDITION. INSPECTION OF OPENING AT BOTTOM IS REQUIRED.
6. WHERE REINFORCING STEEL IS CALLED FOR IN FILLED CORES, IT SHALL EXTEND FROM TOP OF FOOTING TO BOTTOM OF BEARING, OR TOP OF WALL. DEPENDING ON CONDITION.
7. WHERE REINFORCING STEEL IS INTERRUPTED BY AN OPENING IN THE WALL, THE QUANTITY OF BARS INTERRUPTED ARE TO BE MOVED TO EACH SIDE OF THE OPENING, HALF OF REINFORCING TO ONE SIDE AND REMAINING HALF TO THE OTHER SIDE. REINFORCING SHALL BE FROM TOP OF FOOTING TO TOP OF WALL. PROVIDE A MINIMUM OF (2) #5 VERTICAL REINFORCING BARS AT EACH JAMB. SEE PLAN NOTES AND / OR DETAILS FOR VERTICAL REINFORCING SPACING.
8. WHERE VERTICAL REINFORCING STEEL IS SPLICED IN MASONRY, PROVIDE A MINIMUM OF 48 BAR DIAMETERS, LAP SPLICE, UNLESS NOTED OTHERWISE.
9. THE MINIMUM DISTANCE BETWEEN PARALLEL BARS, EXCEPT IN COLUMNS, SHALL BE NOT LESS THAN THE DIAMETER OF THE BAR EXCEPT THAT LAPPED SPLICES MAY BE WIRED TOGETHER. THE CENTER TO CENTER SPACING OF BARS WITHIN A COLUMN SHALL BE NOT LESS THAN 2 AND ONE-HALF TIMES THE BAR DIAMETER.
10. ALL BARS SHALL BE COMPLETELY EMBEDDED IN MORTAR OR CONCRETE. REINFORCEMENT EMBEDDED IN HORIZONTAL MORTAR JOINTS SHALL HAVE NOT LESS THAN 5/8" MORTAR COVERAGE FROM THE EXPOSED FACE. ALL OTHER REINFORCING SHALL HAVE A MINIMUM COVERAGE OF ONE BAR DIAMETER OVER ALL BARS, BUT NOT LESS THAN 3/4", EXCEPT WHERE EXPOSED TO WEATHER OR SOIL IN WHICH CASE THE MINIMUM COVERAGE SHALL BE 2".
11. WHERE REINFORCING IS SHOWN TO BE LOCATED ALONG TWO FACES OF A MASONRY BLOCK WALL, THE CONTRACTOR SHALL BREAK OUT THE SHELL OF THE LOWEST MASONRY BLOCK TO GAIN ACCESS TO THE REINFORCING STEEL. THE REINFORCING STEEL SHALL THEN BE WIRED INTO ITS CORRECT POSITION, AND THE ACCESS HOLE COVERED. THE CONCRETE GROUT FILL SHALL BE PUDDLED OR VIBRATED TO ASSURE COMPLETE FILLING OF THE CORE.
12. REINFORCED MASONRY PIERS AND COLUMNS SHALL HAVE THE REINFORCING STEEL ACCURATELY LOCATED BY WIRING THE TOP AND BOTTOM OF ALL VERTICAL STEEL INTO ITS CORRECT POSITION. PROVIDE AN ACCESS HOLE AT THE BOTTOM OF ALL COLUMNS OR PIERS.
13. ALL REINFORCED HOLLOW UNIT MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED. WALLS AND CROSS WEBS FORMING SUCH CELLS TO BE FILLED SHALL BE FULLBEDDED IN MORTAR TO PREVENT LEAKAGE OF CONCRETE GROUT. ALL HEAD (OR END) JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROVIDED BY LAPPING UNITS IN SUCCESSIVE VERTICAL COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE.
   A. VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 2"x3".
   B. CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF ALL CELLS TO BE FILLED AT EACH POUR OF CONCRETE WHERE SUCH CONCRETE POUR IS IN EXCESS OF 6' IN HEIGHT. ANY OVERHANGING MORTAR, OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED AND / OR CLEANED AT TIME OF INSPECTION AND PRIOR TO CORE FILLING. INSPECT AND SEAL ALL OPENINGS BEFORE CONCRETING.
   C. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 192 DIAMETERS OF THE REINFORCEMENT.
   D. ALL CELLS CONTAINING REINFORCEMENT SHALL BE FILLED SOLIDLY WITH CONCRETE. CONCRETE SHALL BE POURED IN LIFTS OF 8" MAXIMUM HEIGHT. ALL CONCRETE SHALL BE CONSOLIDATED AT THE TIME OF POURING BY PUDDLING FOR LIFTS OF 4' OR LESS, OR BY VIBRATING FOR LIFTS GREATER THAN 4'. CONCRETE SHOULD LATER BE CONSOLIDATED AGAIN BY PUDDLING, BEFORE PLASTICITY IS LOST.
   E. WHEN TOTAL CONCRETE POUR EXCEEDS 8' IN HEIGHT, THE CONCRETE SHALL BE PLACED IN 4' MAXIMUM LIFTS MINIMUM CELL DIMENSION SHALL BE 3".
   F. WHEN CONCRETING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF CONCRETE 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
14. PROVIDE A MINIMUM OF 8" BEARING FOR ALL MASONRY LINTELS.
15. WHERE LINTEL BLOCKS ARE USED IN LIEU OF HOLLOW MASONRY BLOCKS, THE REINFORCING STEEL SHALL BE ANCHORED TO THE LOWER STEEL OR DOWELS AND THE LINTEL BLOCKS LAID AROUND THE STEEL. THE CONCRETE FILL SHALL BE INSTALLED IN LIFTS NO TO EXCEED 2' IN HEIGHT. THE REINFORCING STEEL SHALL BE MAINTAINED IN THE SAME POSITION AS THE DOWELS. STOP THE POUR OF THE CONCRETE 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
16. SPECIFICATION REQUIREMENTS FOR COLD WEATHER AND HOT WEATHER MASONRY CONSTRUCTION SHALL BE MAINTAINED.

MASONRY MATERIALS:

1. MASONRY UNITS SHALL MEET ASTM C90 TYPE I, GRADE N, FOR HOLLOW LOAD BEARING TYPE MASONRY WITH A UNIT STRENGTH OF 2,800 PSI ON THE NET AREA (f'm = 2,000 PSI).
2. MORTAR SHALL BE TYPE "M" (BELOW GRADE) OR "S" (ABOVE GRADE) AND SHALL MEET ASTM C270. GROUT SHALL BE 3,000 PSI PEA-GRAVEL CONCRETE AND SHALL MEET ASTM C476. MORTAR MIX SHALL BE A PRE-BLENDED MIX AS MANUFACTURED BY SPEC-MIX, OR APPROVED EQUAL. GROUT SHALL BE A READY-MIX GROUT AND SHALL HAVE THE MIX DESIGN SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.

STRUCTURAL STEEL:

1. STEEL SHALL CONFORM TO ASTM A992 (Fy=50 KSI) FOR ALL W-SHAPES, AND ASTM A36 (Fy=36 KSI) FOR ALL OTHER MISCELLANEOUS SHAPES AND PLATES. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B (Fy=46 KSI). STRUCTURAL PIPE SHALL CONFORM TO ASTM A53, GRADE B, TYPE "E" OR "S" (Fy= 35 KSI).
2. STEEL SHALL CONFORM TO THE LATEST EDITION OF AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS.
3. ALL SHOP CONNECTIONS TO BE WELDED (UTILIZING E70XX ELECTRODES) AND FIELD CONNECTIONS TO BE BOLTED, UNLESS OTHERWISE NOTED. STEEL TO RECEIVE ONE SHOP COAT AND ONE FIELD TOUCH UP COAT OF APPROVED PAINT, EXCEPT WHERE GALVANIZED IS INDICATED ON THE DRAWINGS.
4. WELDS FOR ALL EXPOSED STRUCTURAL STEEL SHALL BE GROUND SMOOTH UNLESS NOTED OTHERWISE.
5. ALL BOLTED CONNECTIONS SHALL CONSIST OF 3/4" DIA. (MIN.) ASTM A325 HIGH STRENGTH BOLTS, UNLESS NOTED OTHERWISE. SEE ALSO DOUBLE ANGLE AND SHEAR TAB CONNECTION SCHEDULE(S) WHERE APPLICABLE.
6. CONTRACTOR SHALL MAINTAIN ERECTION TOLERANCES OF STRUCTURAL STEEL AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL WITHIN AISC'S CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
7. ANCHOR BOLT HOLES IN STRUCTURAL STEEL SHALL BE OVERSIZED NO MORE THAN 1/8" MAX, UNLESS NOTED OTHERWISE.

SHEAR STUD CONNECTORS:

1. SHEAR STUD CONNECTORS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE", SECTION 7 - STUD WELDING. STUDS SHALL BE TYPE "B", HEADED STUDS, HAVING A MINIMUM TENSILE STRENGTH OF 60,000 PSI, AND SHALL BE OF LENGTH AND DIAMETER SHOWN ON THE DRAWINGS.

STEEL ROOF DECK:

1. STEEL ROOF DECK SHALL BE NON-COMPOSITE FROM DECK SHALL BE 9/16" DEEP, 26 GAGE GALVANIZED (G90) CORRUGATED STEEL FROM DECK (SLAB FORM), (0.6C26) AND SHALL CONFORM TO THE PROVISIONS OF THE STEEL DECK INSTITUTE (SDI) SPECIFICATIONS FOR NON-COMPOSITE STEEL DECK.
2. STEEL ROOF DECKS ARE DESIGNED AS HORIZONTAL DIAPHRAGMS AND SHALL BE ATTACHED TO SUPPORTS IN SDI PATTERNS AS INDICATED ON THE DRAWINGS.
3. DECKING SHALL HAVE MINIMUM OF (3) SPANS.

COLD FORMED LIGHT GAUGE STRUCTURAL STEEL:

1. STEEL STUD AND LINTEL MEMBERS SHALL BE OF TYPE SHOWN ON THE DRAWINGS AND IN SPECIFICATIONS AND SHALL CONFORM TO ASTM A446, GRADE C (MINIMUM YIELD POINT OF 40,000 PSI), WITH HOT DIPPED GALVANIZED COATING CONFORMING TO ASTM A525, CLASS G90.
2. STEEL RUNNER TRACK SHALL BE OF TYPE SHOWN ON THE DRAWINGS AND IN SPECIFICATIONS AND SHALL CONFORM TO ASTM A446, GRADE A (MINIMUM YIELD POINT OF 33,000 PSI), WITH HOT DIPPED GALVANIZED COATING CONFORMING TO ASTM A525, CLASS G90.
3. METAL STUD AND JOIST MEMBERS SHALL CONFORM TO THE FOLLOWING MINIMUM AISI SECTIONS:
   6"x18 GA. : 600 S 162-43
   8"x18 GA. : 800 S 162-43
   10"x18 GA. : 1000 S 162-54
   12"x18 GA. : 1200 S 200-97
4. ALL FRAMING MEMBERS SHALL BE CUT SQUARELY OR AT AN ANGLE AS REQUIRED TO FIT SQUARELY AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN PLACE UNTIL PROPERLY JOINED.
5. JOINING OF STRUCTURAL MEMBERS SHALL BE MADE WITH SELF-DRILLING SCREWS OR WELDED. WIRE TYING OF FRAMING MEMBERS IN STRUCTURAL APPLICATIONS SHALL NOT BE PERMITTED.
6. ATTACHMENT OF COLLATERAL MATERIALS TO STEEL MEMBERS SHALL BE MADE WITH SELF-DRILLING SCREWS OR HARDENED SCREW SHANK NAILS. METAL LATH MAY ALSO BE CONNECTED TO STEEL BY STAPLES OR OTHER FASTENERS, IF APPROVED BY LOCAL BUILDING CODES
7. STUDS SHALL SIT SQUARELY IN THE TOP AND BOTTOM RUNNER TRACK WITH ABUTMENT AGAINST TRACK WEBS. STUDS SHALL BE ALIGNED OR PLUMBED AND SECURELY FASTENED TO THE FLANGES OF BOTH TOP AND BOTTOM RUNNER TRACKS.
8. VERTICAL SLIP CONNECTORS TO ALLOW THE VERTICAL MOVEMENT OF THE SUPPORTING STRUCTURE RELATIVE TO THE STUD SHALL BE VERTICLIP SLAB CONNECTORS OR APPROVED EQUAL. CONNECTOR MANUFACTURER RESPONSIBLE FOR PROVIDING DOCUMENTATION THAT CONNECTOR HAS ADEQUATE CAPACITY FOR INSTALLATIONS IN WHICH THEY ARE TO BE INSTALLED, AS WELL AS SPECIFYING THE CONNECTION OF THEIR CONNECTOR TO BOTH THE METAL STUD AND SUPPORTING STRUCTURE.

SPECIAL INSPECTION AND TESTING:

1. SEE DETAILED INSPECTION AND TESTING REQUIREMENTS AS INDICATED ON SHEET S-002.

Revision#	Description	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: STRUCTURAL GENERAL NOTES	Phase: CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS	Project Number: VA #568-14-110 SGA #1677
	Building Number: 113
Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: S-001
Issue Date: 06/10/2022 / Checked: DEL / Drawn: MDR	

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three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

REQUIRED SPECIAL INSPECTION AND TESTS OF CONCRETE CONSTRUCTION IBC 2015 (TABLE 1705.3)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE	REQD ON PROJECT
1. INSPECTION REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT		X	ACI 318 CH 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4	YES
2. REINFORCING BAR WELDING:					
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.		X	AWS D1.4, ACI 318: 26.6.4		NO
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".		X			
C. INSPECT ALL OTHER WELDS	X				
3. INSPECTION OF ANCHORS CAST IN CONCRETE.		X	ACI 318: 17.8.2		YES
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.					
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X		ACI 318: 17.8.2.4, ACI 318: 17.8.2		NO
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A.		X			YES
5. VERIFYING USE OF REQUIRED DESIGN MIX.		X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3	YES
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X		ASTM C 172, ASTM C 31, ACI 318: 26.4, 26.12	1908.10	YES
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		ACI 318: 26.5	1908.6, 1908.7, 1908.8	YES
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	ACI 318: 26.5.3-26.5.5	1908.9	YES
9. INSPECT OF PRESTRESSED CONCRETE:					
A. APPLICATION OF PRESTRESSING FORCES.	X		ACI 318: 26.10		NO
B. GROUTING OF BONDED PRESTRESSING TENDONS.	X				
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.		X	ACI 318: CH. 26.8		NO
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE & PRIOR TO REMOVAL OF SHORES & FORMS FROM BEAMS & STRUCTURAL SLABS.		X	ACI 318: 26.11.2		NO
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X	ACI 318: 26.11.1.2(b)		YES

TMS-402-11 / ACI 530-11 / ASCE 5-11 TABLE 1.19.2
TMS 602-11 / ACI 530.1-11 / ASCE 6-11 TABLE 4
LEVEL B QUALITY ASSURANCE MINIMUM INSPECTION FOR MASONRY

INSPECTION TASK	FREQUENCY(a)		REFERENCE FOR CRITERIA		REQD ON PROJECT
	CONTINUOUS	PERIODIC	TMS-402 / ACI 530 / ASCE 5	TMS-602 / ACI 530.1 / ASCE 6	
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS		X		ART. 1.5	YES
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE					
A. PROPORTIONS OF SITE PREPARED MORTAR		X		ART. 2.3, 2.6 A	NO
B. CONSTRUCTION OF MORTAR JOINTS		X		ART. 3.3 B	YES
C. GRADE AND SIZE OF PRE-STRESSING TENDONS AND ANCHORAGES		X		ART. 2.4 B, 2.4 H	NO
D. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRE-STRESSING TENDONS AND ANCHORAGES		X		ART. 3.4, 3.6 A	YES
E. PRE-STRESSING TECHNIQUE		X		ART. 3.6 B	NO
F. PROPERTIES OF THIN-BED MORTAR FOR THIN BED MASONRY	X (b)	X (c)		ART. 2.1 C	NO
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE					
A. GROUT SPACE		X		ART. 3.2 D, 3.2 F	YES
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES		X	SEC. 1.16	ART. 2.4, 3.4	YES
C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES		X	SEC. 1.16	ART. 3.2 E, 3.4, 3.6 A	YES
D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING TENDONS AND ANCHORAGES		X		ART. 2.6 B, 2.4 G.1.b	YES
E. CONSTRUCTION OF MORTAR JOINTS		X		ART. 3.3B	YES
4. VERIFY DURING CONSTRUCTION:					
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS		X		ART. 3.3F	YES
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION		X	SEC. 1.16.4.3, 1.17.1		YES
C. WELDING OF REINFORCEMENT	X		SEC. 2.1.8.7.2, 3.3.3.4 (c), 8.3.3.4 (b)		NO
D. PREPARATION, CONSTRUCTION, AND PROTECTION OF CMU DURING COLD WEATHER (BLW 40°F) OR HOT WEATHER (ABV 90°F)		X		ART. 1.8C, 1.8 D	YES
E. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X			ART. 3.6 B	NO
F. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X			ART. 3.5, 3.6 C	NO
G. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X(b)	X (c)		ART. 3.3 B.8	NO
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS		X		ART. 1.4 B.2.a.3, 1.4 B.2.a.3, 1.4 B.2b.3, 1.4 B.3, 1.4 B.4	NO

NOTE:
- (a) FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE.
- (b) REQUIRED FOR THE FIRST 5,000 SQUARE FEET OF ACC MASONRY.
- (c) REQUIRED FOR THE FIRST 5,000 SQUARE FEET OF ACC MASONRY.
- SLUMP FLOW AND VISUAL STABILITY INDEX SHALL BE VERIFIED IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.b.3 FOR SELF-CONSOLIDATING GROUT.
- THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY AND SPECIFIED COMPRESSIVE STRENGTH OF AAC MASONRY SHALL BE VERIFIED IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B OF PRIOR TO CONSTRUCTION.

SPECIAL INSPECTION AND TESTING:

1. SPECIAL INSPECTION AND MINIMUM TESTING SHALL BE PERFORMED IN ACCORDANCE WITH 2015 IBC AND ALL REFERENCED MATERIALS AND TABLES.
2. INSPECTION SHALL BE PROVIDED BY AN INDEPENDENT TESTING AGENCY HIRED AT THE CONTRACTOR'S EXPENSE. AGENCY INSPECTION PERSONNEL SHALL MEET THE INSPECTOR QUALIFICATIONS FOR EACH MATERIAL ITEM AS INDICATED IN THE SPECIFICATIONS.
3. ANY MATERIAL OR PLACEMENT DEVIATIONS FROM MINIMUMS SHOWN ON THE DRAWINGS OR IN SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. IN ADDITION TO THE IBC INSPECTION TABLES, THE INSPECTOR SHALL VERIFY THAT ALL STEEL MAINTAIN ERECTION TOLERANCE OF STRUCTURAL STEEL AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL WITHIN AISC'S CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
5. IN ADDITION TO THE CONCRETE AND MASONRY IBC INSPECTION TABLES, THE INSPECTOR SHALL VERIFY THAT ALL CONCRETE AND MASONRY MAINTAIN TOLERANCES SPECIFIED IN ACI 117-90 STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS.
6. TESTING - ANY FAILED FIELD TEST SHALL BE REPORTED TO ALBERTSON ENGINEERING INC IMMEDIATELY.

STEEL CONSTRUCTION

AISC 360-10 TABLE N5.4-1
INSPECTION TASKS PRIOR TO WELDING

INSPECTION TASKS PRIOR TO WELDING	INSPECTION INTERVAL	REQUIRED ON PROJECT
WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	P	YES
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	YES
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	YES
WELDER IDENTIFICATION SYSTEM [1]	O	YES
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, GAPS AT • CLEANLINESS (CONDITION OF STEEL • TACKING (TACK WELD QUALITY AND LOCATION)	O	YES
CONFIGURATION AND FINISH OF ACCESS HOLES	O	YES
FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	O	YES
CHECK WELDING EQUIPMENT	O	YES

[1] THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.

AISC 360-10 TABLE N5.4-2
INSPECTION TASKS DURING WELDING

INSPECTION TASKS DURING WELDING	INSPECTION INTERVAL	REQUIRED ON THIS PROJECT
USE OF QUALIFIED WELDERS	O	YES
CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	O	YES
NO WELDING OVER CRACKED TACK WELDS	O	YES
ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	O	YES
WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW • PREHEAT • INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) • PROPER POSITION (F, V, H, OH)	O	YES
WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	O	YES

AISC 360-10 TABLE N5.4-3
INSPECTION TASKS AFTER WELDING

INSPECTION TASKS AFTER WELDING	INSPECTION INTERVAL	REQUIRED ON PROJECT
WELDS CLEANED	O	YES
SIZE, LENGTH AND LOCATION OF WELDS	P	YES
WELDS MEET VISUAL ACCEPTANCE CRITERIA: • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY	P	YES
ARC STRIKES	P	YES
k-AREA[2]	P	YES
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	YES
REPAIR ACTIVITIES	P	YES
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	YES

[2] WHEN WELDING OF DOUBLE PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" (75 mm) OF THE WELD.

AISC 360-10 TABLE N5.6-1
INSPECTION TASKS PRIOR TO BOLTING

INSPECTION TASKS PRIOR TO BOLTING	INSPECTION INTERVAL	REQUIRED ON PROJECT
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	NO
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	NO
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO EXCLUDED FROM SHEAR PLANE)	O	NO
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	NO
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	NO
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	NO
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	NO

AISC 360-10 TABLE N5.6-2
INSPECTION TASKS DURING BOLTING

INSPECTION TASKS DURING BOLTING	INSPECTION INTERVAL	REQUIRED ON THIS PROJECT
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	NO
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	NO
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	NO
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	NO

AISC 360-10 TABLE N5.6-3
INSPECTION TASKS AFTER BOLTING

INSPECTION TASKS AFTER BOLTING	INSPECTION INTERVAL	REQUIRED ON PROJECT
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	NO

- O-OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P-PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.
- OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
- FOR STRUCTURAL STEEL, ALL PROVISIONS OF AWS D1.1/D1.1M SHALL APPLY.
- FOR STRUCTURES IN RISK CATEGORY II/IV (ASCE/SEI 7, TABLE 1.5-1), ULTRASONIC TESTING SHALL BE PERFORMED ON ALL COMPLETE-JOINT-PENETRATION GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16" (8 MM) THICK OR GREATER.
- FOR STRUCTURES IN RISK CATEGORY I/II (ASCE/SEI 7, TABLE 1.5-1), ULTRASONIC TESTING SHALL BE PERFORMED ON 10% OF COMPLETE-JOINT-PENETRATION GROOVE WELDS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16" (8 MM) THICK OR GREATER.
- THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED USING MAGNETIC PARTICLE TESTING OR PENETRANT TESTING WHEN THE FLANGE THICKNESS EXCEEDS 2" (50 MM) FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2" (50MM) FOR BUILT-UP SHAPES. ANY CRACK SHALL BE DEEMED UNACCEPTABLE REGARDLESS OF SIZE OR LOCATION.
- ALL NONDESTRUCTIVE TESTING OF WELDED JOINTS SHALL BE DOCUMENTED.
- SEE AISC360-10 CHAPTER N FOR ADDITIONAL WELD INSPECTION REQUIREMENTS.
- SEE AISC360-10 CHAPTER N FOR ADDITIONAL BOLT INSPECTION REQUIREMENTS.
- INSPECTION SHALL OCCUR DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, INCLUDING DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE.
- FABRICATED STEEL AND ERECTED STEEL FRAMES, AS APPROPRIATE, SHALL BE INSPECTED FOR COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, INCLUDING BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER JOINT DETAIL APPLICATION.

IBC 2015 TABLE 1705.6
REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASKS	FREQUENCY OF INSPECTION		REQUIRED ON PROJECT
	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X	YES
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X	YES
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X	YES
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X		YES
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X	YES

STANDARD FOR QUALITY CONTROL AND QUALITY ASSURANCE FOR THE INSTALLATION OF STEEL DECK

INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT

INSPECTION TASKS PRIOR TO DECK PLACEMENT	QC	QA
VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	PERFORM	PERFORM
DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM	PERFORM

INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT

INSPECTION TASKS AFTER DECK PLACEMENT	QC	QA
VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	PERFORM	PERFORM
VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	N/A	PERFORM
DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	PERFORM	PERFORM

INSPECTION OR EXECUTION TASKS PRIOR TO WELDING

INSPECTION PRIOR TO WELDING	QC	QA
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	OBSERVE
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE	OBSERVE
MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE	OBSERVE
CHECK WELDING EQUIPMENT	OBSERVE	OBSERVE

INSPECTION OR EXECUTION TASKS DURING WELDING

INSPECTION DURING WELDING	QC	QA
USE OF QUALIFIED WELDERS	OBSERVE	OBSERVE
CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	OBSERVE
ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	OBSERVE	OBSERVE
WPS FOLLOWED	OBSERVE	OBSERVE

INSPECTION OR EXECUTION TASKS AFTER WELDING

INSPECTION AFTER WELDING	QC	QA
VERIFY SIZE & LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, & PERIMETER WELDS	PERFORM	PERFORM
WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	PERFORM
VERIFY REPAIR ACTIVITIES	PERFORM	PERFORM
DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERFORM	PERFORM

INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING

INSPECTION PRIOR TO MECHANICAL FASTENING	QC	QA
MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE	OBSERVE
PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	OBSERVE	OBSERVE
PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE	OBSERVE

INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING

INSPECTION TASKS DURING MECHANICAL FASTENING	QC	QA
FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	OBSERVE
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE	OBSERVE

INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING

INSPECTION TASKS AFTER MECHANICAL FASTENING	QC	QA
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	PERFORM
CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	PERFORM	PERFORM
CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	PERFORM	PERFORM
VERIFY REPAIR ACTIVITIES	PERFORM	PERFORM
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM	PERFORM

NOTE:
- QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE INSTALLER
- QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY THE CERTIFIED TESTING AGENCY

Revision#	Description	Date:

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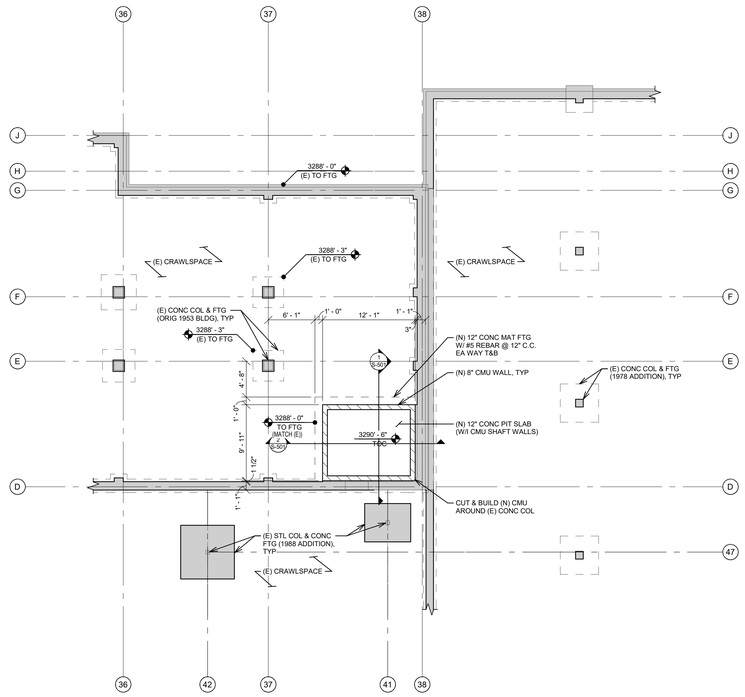
STAMP
REGISTERED PROFESSIONAL ENGINEER — REG. NO. 6041 — DAVID E. DEVRIES — SOUTH DAKOTA — 06/10/2022

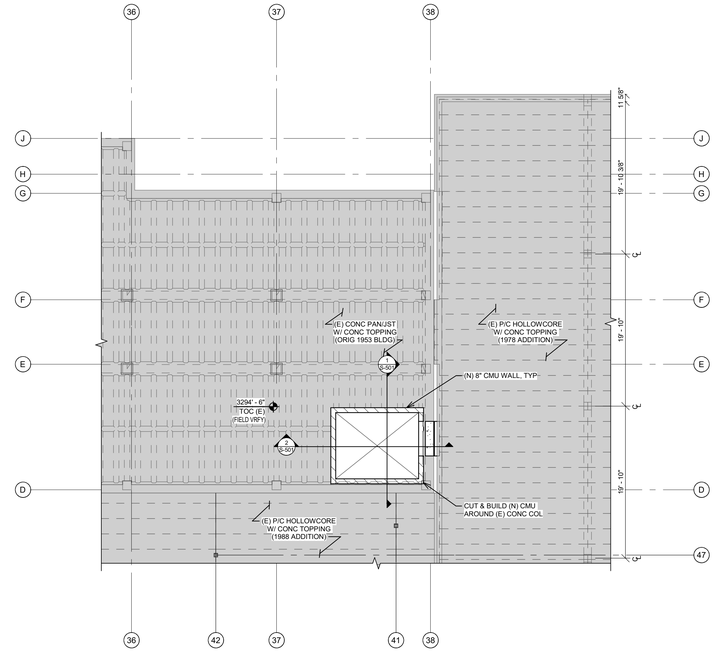
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title	IBC INSPECTION TABLES
Approved:	
Phase	CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS
Location	FORT MEADE, SOUTH DAKOTA
Issue Date	06/10/2022
Checked	DEL
Drawn	MDR
Project Number	VA #568-14-110 SGA #1677
Building Number	113
Drawing Number	S-002

BIM 360://2021-007 FT MEADE VA BLDG 113/2021-007 S-BIM360-MODEL (R20).rvt
6/7/2022, 12:22:25 PM
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
VA FORM 08 - 6231



PARTIAL FOUNDATION PLAN - NEW ELEVATOR
1/8" = 1'-0"



PARTIAL 1ST LEVEL FRAMING - NEW ELEVATOR
1/8" = 1'-0"

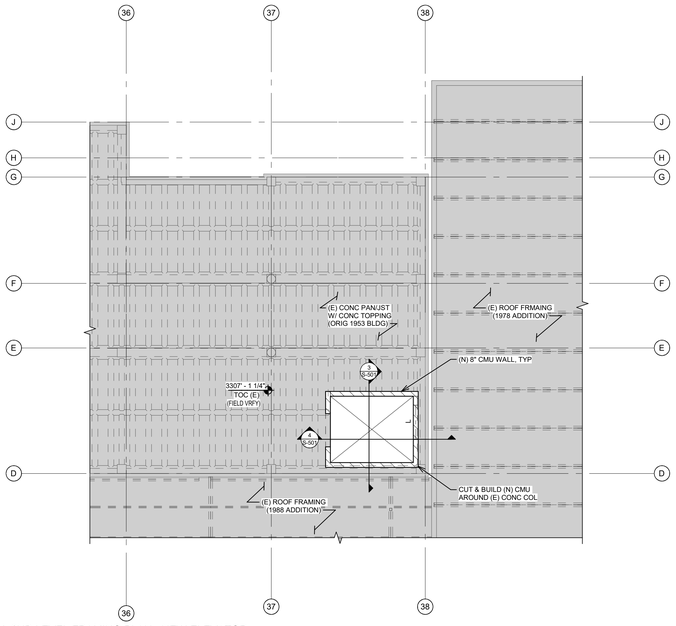
FOUNDATION & FLOOR FRAMING PLAN NOTES

- SEE SHEET S-001 FOR STRUCTURAL GENERAL NOTES.
- VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCES.
- ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE TOP OF CONCRETE REFERENCE ELEVATION SET AT 3294'-0" (1ST LEVEL)
- LINTELS IN CMU WALLS SHOULD BE 8" BOND BEAM W/ (2) #5 CONT. REBAR, EXTENDED 2'-0" MIN BEYOND OPENING OR TO CORNER, WHICHEVER IS LESS.

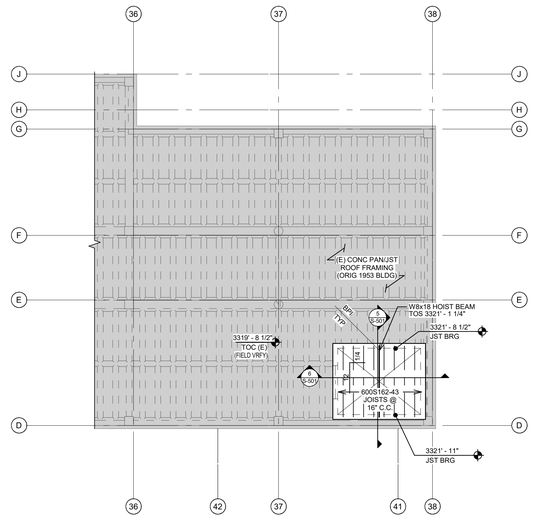
INDICATES 8" CMU WALL - SEE PLAN AND REINFORCE WITH (1) #5 VERTICAL REBAR AT 48" C.C. (MAX) CENTERED IN GROUT FILLED CELLS IN 8" WALLS, PLUS (1) ADDITIONAL #5 VERTICAL REBAR AT THE EDGES OF ALL OPENINGS AND CORNERS IN GROUT FILLED CELLS. ALL ELEVATOR TOWER WALLS SHALL BE GROUTED SOLID. IN ADDITION PROVIDE THE FOLLOWING HORIZONTAL REINFORCEMENT:

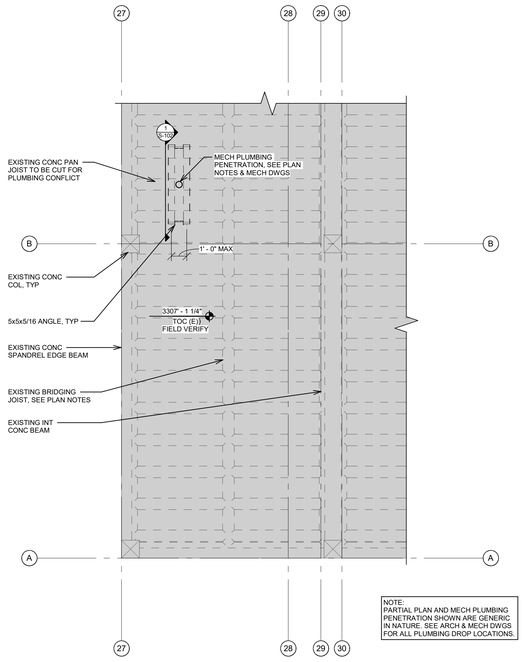
- CONT 8" BOND BEAM W/ (2) #5 HORIZ REBAR @ 6'-0" C.C. (MAX)
- 9 GAUGE DUROWALL @ 16" C.C.

- ALL DOWELING INTO EXISTING FOUNDATIONS SHALL BE COMPLETED DURING OFF-HOURS. COORDINATE WITH ARCHITECTURE PHASING PLANS AND OWNERS.
- ALL CUTTING OF CONCRETE AND CONCRETE REMOVAL BY CHIPPING HAMMERS SHALL BE COMPLETED DURING OFF-HOURS. COORDINATE WITH ARCHTECTURE PHASING PLANS AND OWNERS.



PARTIAL 2ND LEVEL FRAMING PLAN - NEW ELEVATOR
1/8" = 1'-0"


36
37
38
J
H
G
F
E
D
(E) CONC PAN/JST
ROOF FRAMING
(ORIG 1953 BLDG)
W8x18 HOIST BEAM
TOS 3321' - 1 1/4"
3321' - 8 1/2"
JST BRG
3319' - 8 1/2"
TOC (E)
(FIELD VRFY)
S-501
S-501
6"
6"
6"

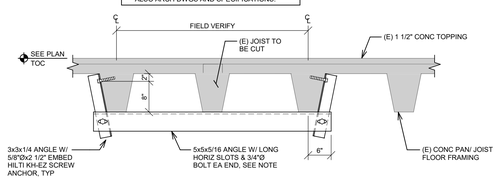


PARTIAL 2ND LEVEL FRAMING PLAN - JOIST REPAIR
1/4" = 1'-0"

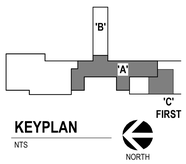
EXISITING FRAMING PLAN NOTES - MECHANICAL PLUMBING PENETRATION:

- SEE SHEET S-001 FOR STRUCTURAL GENERAL NOTES.
- VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. THE PLAN SHOWN ON THIS SHEET IS GENERIC IN NATURE AND IS INTENDED TO CONVEY STRUCTURAL REPAIRS NECESSARY WHEN AN EXISTING JOIST MUST BE FIELD CUT.
- ALL EFFORT SHALL BE MADE TO COORDINATE AND LOCATE MECHANICAL PLUMBING DROPS THROUGH THE EXISTING FLOOR FRAMING SUCH THAT EXISTING CONCRETE JOISTS ARE NOT DAMAGED OR CUT. IN THE EVENT A JOIST MUST BE CUT, CONTACT THE CONTRACTING OFFICER AND ENGINEER PRIOR TO CUTTING SAID JOIST. THE FOLLOWING CRITERIA MUST BE ADHERED TO WITH REGARD TO CUTTING OF JOISTS:
  - ONLY SINGLE JOISTS THAT ARE 5" WIDE (BOTTOM DIMENSION) MAY BE FIELD CUT. EXISTING CONCRETE BEAMS OR JOISTS GREATER THAN 5" IN WIDTH SHALL NOT BE PERMITTED TO BE CUT.
  - MAXIMUM SPACING OF CUT JOISTS SHALL BE THREE BAYS SUCH THAT REMAINING EXISTING JOISTS CARRY NO MORE THAN 1.5 TIMES THEIR CURRENT TRIBUTARY WIDTH.
- **CUT JOISTS, IF REQUIRED, SHALL BE REPAIRED WITH NEW HEADER ANGLES AS SHOWN. FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME A TOTOAL OF TEN (10) LOCATIONS WILL BE REQUIRED TO BE FIELD CUT AND REPAIRED.**
- EXISTING BRIDGING JOISTS SHALL BE PERMITTED TO BE CUT WITHOUT REQUIRING FIELD REPAIR.

NOTE:
1. IN LIEU OF SLOTS AND BOLTED CONNECTION, BOTTOM ANGLE MAY BE FIELD WELDED TO HANGER ANGLES.
2. MAX SPACING OF CUT JOISTS SHALL BE (3) BAYS, SEE ALSO PLAN NOTES.
3. PROVIDE 2-HR SPRAY FIRE-PROOFING ON STEEL ANGLES AFTER INSTALLATION. SEE ALSO ARCH DWGS AND SPECIFICATIONS.



SECTION 1 - EXISTING CUT JOIST REPAIR
3/4" = 1'-0"



KEYPLAN
NTS
NORTH

Revision#	Description	Date:

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STONE GROUP ARCHITECTS

STAMP

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 6041
DAVID E. LIPPERT
SOUTH DAKOTA
06/10/2022

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SECOND LEVEL FRAMING PLAN
Phase: CONSTRUCTION DOCUMENTS
Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS
Project Number: VA #568-14-110 SGA #1677
Building Number: 113
Approved:
FULLY SPRINKLERED
Location: FORT MEADE, SOUTH DAKOTA
Issue Date: 06/10/2022
Checked: DEL
Drawn: MDR
Drawing Number: S-102

VA FORM 08 - 6231

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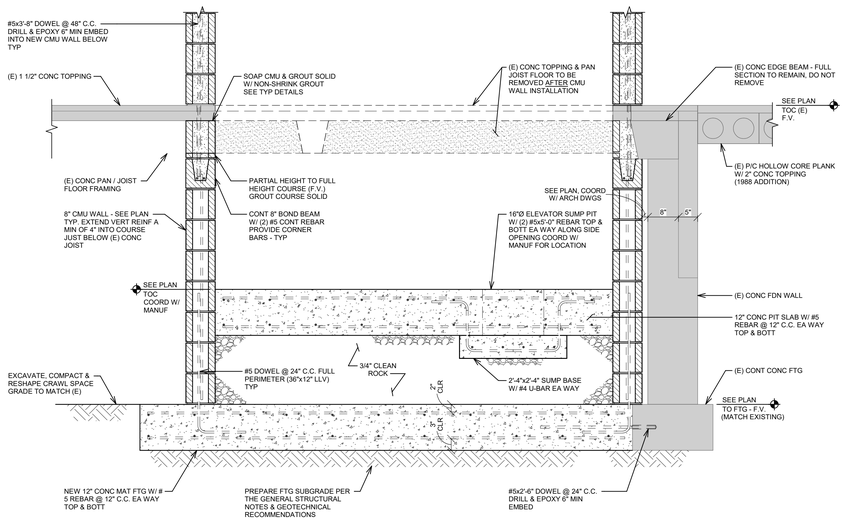
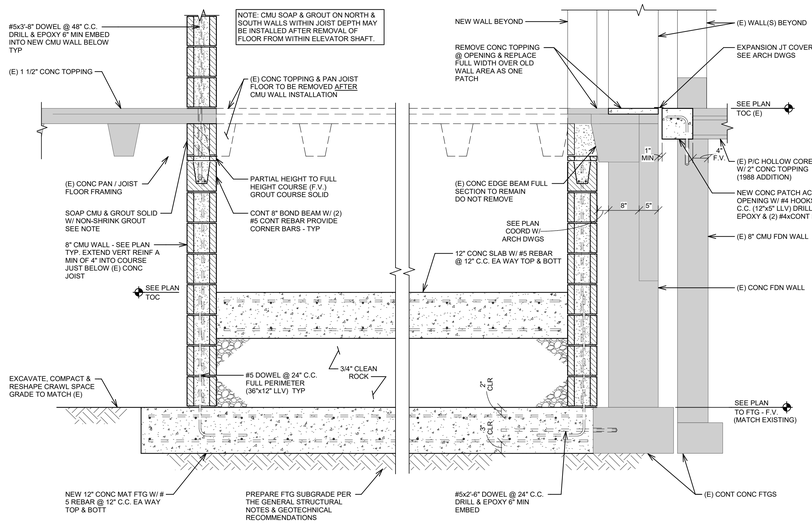


SECTION 1
3/4" = 1'-0"



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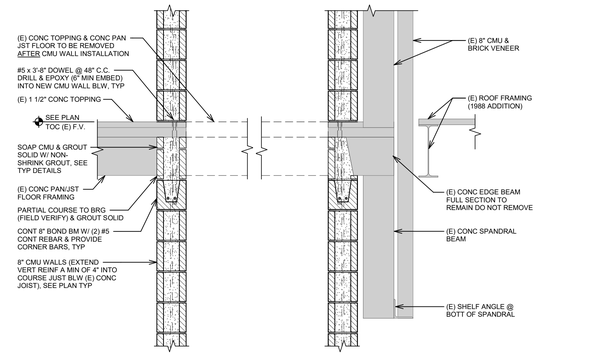

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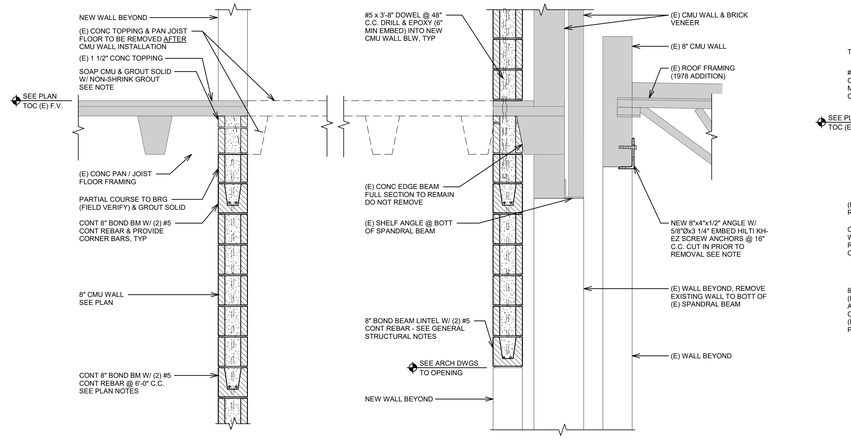

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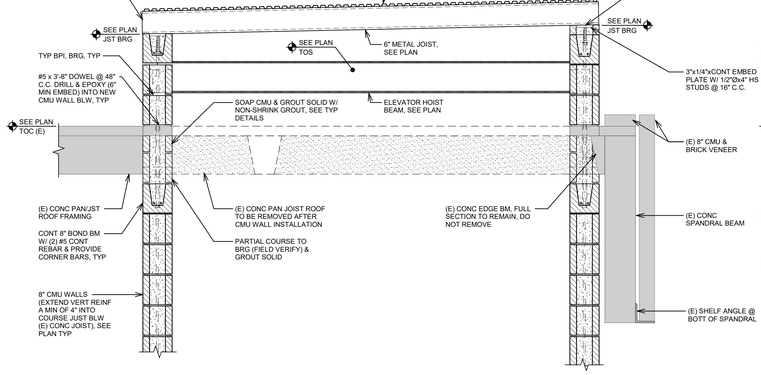

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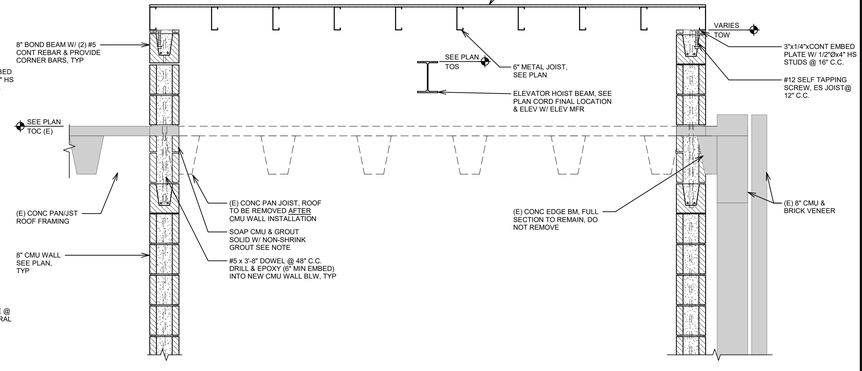

SECTION 6
3/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

STRUCTURAL:
Albertson Engineering Inc.
Albertson Engineering, Inc.
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STONE GROUP ARCHITECTS

STAMP

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 6041
DAVID E. LEPPERT
SOUTH DAKOTA
06/10/2022

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SECTIONS

Approved:

Phase: CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS

Location: FORT MEADE, SOUTH DAKOTA

Issue Date: 06/10/2022
Checked: DEL
Drawn: MDR

Project Number: VA #568-14-110 SGA #1677
Building Number: 113
Drawing Number: S-501

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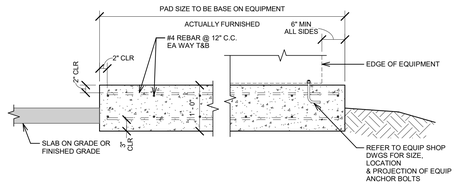
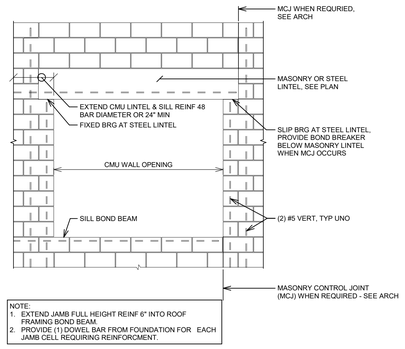
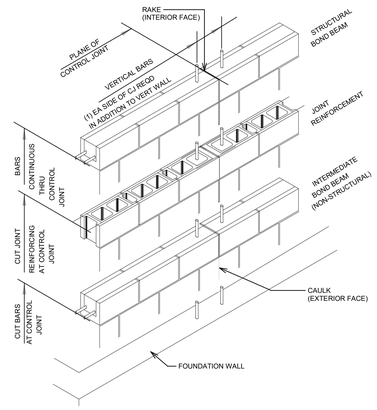
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
VA FORM 08 - 6231



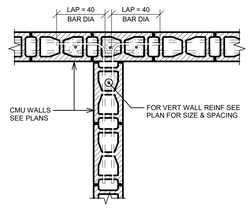
TYP EQUIP PAD - EXTERIOR
3/4" = 1'-0"



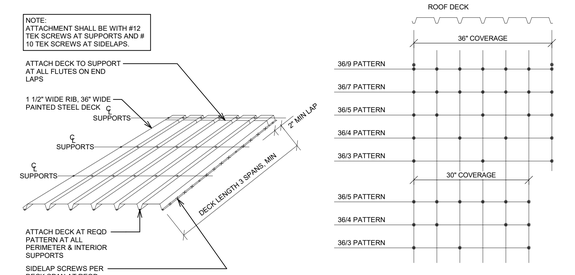
TYP CMU JAMB
3/8" = 1'-0"



TYP CMU WALL CTRL JNTS
3/4" = 1'-0"

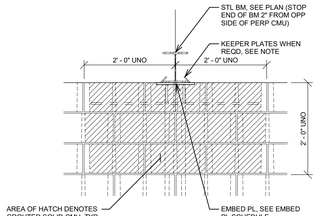


TYP BOND BM INTERSECTIONS
3/4" = 1'-0"

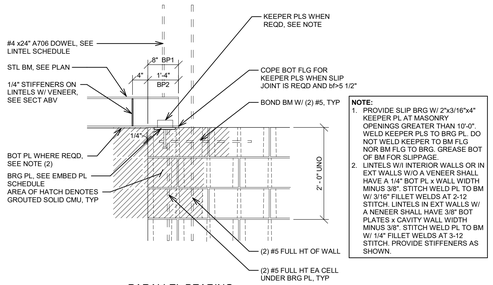


TYP ROOF DECK ATTACHMENT PATTERNS
3/4" = 1'-0"

CAVITY WALL LINTEL
BOT PL & STIFFENERS



PERPENDICULAR BEARING



NOTE:
1. PROVIDE SLIP BRG W/ 2"x3/16"x4" KEEPER PL AT MASONRY OPENINGS GREATER THAN 10'-0". WELD KEEPER PLS TO BRG PL. DO NOT WELD KEEPER TO BM FLG NOR BM FLG TO BRG. GREASE BOT OF BM FOR SLIPPAGE.
2. LINTELS W/I INTERIOR WALLS OR IN EXT WALLS W/O A VENEER SHALL HAVE A 1/4" BOT PL x WALL WIDTH MINUS 3/8". STITCH WELD PL TO BM W/ 3/16" FILLET WELDS AT 2-12 STITCH. LINTELS IN EXT WALLS W/ A NENEER SHALL HAVE 3/8" BOT PLATES x CAVITY WALL WIDTH MINUS 3/8". STITCH WELD PL TO BM W/ 1/4" FILLET WELDS AT 3-12 STITCH. PROVIDE STIFFENERS AS SHOWN.

PARALLEL BEARING

BEARING PLATE SCHEDULE

MARK	SIZE	ANCHORS	REMARKS
BP1	6 1/2"x3/8"x0'-6 1/2"	(2) 1/2"Ø x4"	
BP2	6 1/2"x1/2"x1'-2"	(2) 3/4"Ø x6"	
BP3	9"x3/4"x1'-2"	(2) 3/4"Ø x6"	

ADDITIONAL REMARKS:

- ANCHORS SHALL BE AUTOMATIC END WELDED HEADED STUD ANCHORS (HSA) UNLESS NOTED OTHERWISE.
- PROVIDE BP1 BEARING PLATES FOR STEEL BEAM PARALLEL BEARINGS < 10'-0", UNO.
- PROVIDE BP2 BEARING PLATES FOR STEEL BEAM PARALLEL BEARINGS > 10'-0", UNO.

SCHEDULE - BRG PL (STL BM ON MASONRY) ADDL INFO
3/4" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

STRUCTURAL:
Albertson Engineering Inc.
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STONE GROUP ARCHITECTS

STAMP

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REG. NO. 6041
DAVID E. DEPEW
SOUTH DAKOTA
06/10/2022

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: STANDARD SCHEDULES & DETAILS	Phase: CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS	Project Number: VA #568-14-110 SGA #1677
Location: FORT MEADE, SOUTH DAKOTA	Building Number: 113
Issue Date: 06/10/2022	Checked: DEL
Drawn: MDR	Drawing Number: S-601

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6/7/2022 12:22:35 PM
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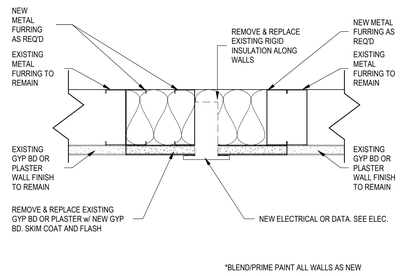
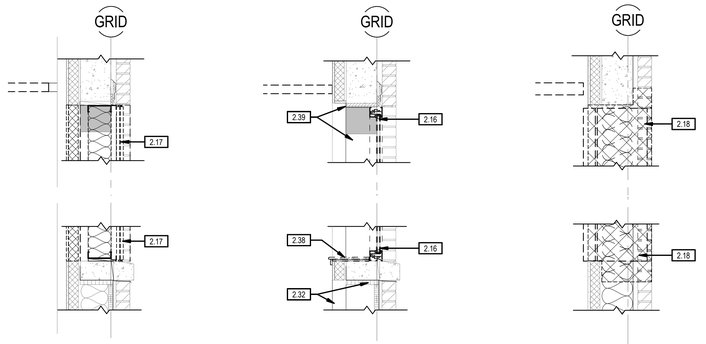
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
VA FORM 08 - 6231



*BLEND/PRIME PAINT ALL WALLS AS NEW

B3 ELECTRICAL DROP DETAIL
3" = 1'-0"



B5 NEW WDW / DEMO INFILL
3/4" = 1'-0"

B6 NEW WDW / DEMO WDW
3/4" = 1'-0"

B7 NEW WDW / DEMO WALL
3/4" = 1'-0"

EXTERIOR WDW SCHEDULE - DEMO

PHASE	MARK	DESCRIPTION	COUNT	WIDTH	HEIGHT
PHASE 1	W1.1	SALVAGE FOR REINSTALLATION	4	3'-10"	5'-8 3/4"
PHASE 2	W1.2	SALVAGE FOR REINSTALLATION	11	3'-10"	5'-8 3/4"
PHASE 2	W1.2d	DEMO	1	3'-10"	5'-8 3/4"
PHASE 2	W2.2	SALVAGE FOR REINSTALLATION	2	4'-0"	5'-8 3/4"
PHASE 3	W2.3	SALVAGE FOR REINSTALLATION	8	4'-0"	5'-8 3/4"
PHASE 3	W2.3d	DEMO	4	4'-0"	5'-8 3/4"

DEMOLITION PLAN GENERAL NOTES

A. COORDINATE DEMOLITION WITH PHASING PLANS AND OWNER'S SCHEDULE FOR OCCUPANCY.

B. TEMPORARY PARTITIONS SHOULD BE SECURE AND WATERTIGHT.

C. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WHICH ARE TO MATCH EXISTING CONSTRUCTION. CONTACT A/E WITH DISCREPANCIES.

D. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OPERATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE ITEMS DESCRIBED BY KEYNOTES HEREIN.

E. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR PATCHED TO MATCH EXISTING. INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR RESPECTIVE CUT AND PATCH.

F. PATCH ALL HOLES EXISTING SLAB LEFT FROM REMOVAL OF FIXTURES.

G. RETURN ALL SIGNAGE AFFECTED BY CONSTRUCTION TO OWNER.

H. REMOVE ALL CUBICAL CURTAINS AND ASSOCIATED TRACKS IN AREAS TO BE REMODELED.

I. REPAIR/LEVEL EXISTING SLAB AS REQUIRED AT DEMOLITION OF EXISTING SHOWERS.

SHEET KEYNOTES

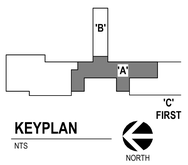
2.01 REMOVE EXISTING METAL STUD & GYP BOARD WALL IN ITS ENTIRETY.
2.02 REMOVE EXISTING DOOR AND FRAME.
2.03 REMOVE EXISTING WINDOW AND FRAME ASSEMBLY.
2.04 REMOVE EXISTING CONCRETE SLAB FOR NEW ELEVATOR OPENING. REFER TO FLOOR PLANS FOR SIZE AND LOCATIONS AND COORDINATE W/ STRUCTURAL.
2.05 EXISTING CONCRETE COLUMN TO REMAIN. REMOVE FURRING WALLS TO COLUMN AS INDICATED.
2.06 REMOVE EXISTING CARPET FLOOR AND VINYL BASE.
2.08 REMOVE EXISTING CERAMIC TILE FLOOR.
2.09 REMOVE EXISTING CERAMIC TILE FROM EXISTING GYPSUM BOARD WALLS. EXISTING WALLS THAT WILL REMAIN PREP FOR NEW FINISHES.
2.12 EXISTING ROOM FINISHES TO REMAIN.
2.13 REMOVE EXISTING CASEWORK IN ITS ENTIRETY.
2.14 REMOVE AND SALVAGE TO OWNER ALL BLINDS.
2.15 REMOVE EXISTING WALL PROTECTION (HANDRAILS, BUMPER RAILS, CRASH RAILS, CORNER GUARDS).
2.16 REMOVE AND SALVAGE EXISTING WINDOW FOR REINSTALLATION. REFER TO SCHEDULE AND PHASING PLANS AND DETAILS.
2.17 REMOVE EXISTING FRAMING IN OPENING OF METAL STUDS AND METAL PANELS FOR NEW WINDOW LOCATION.
2.18 PROVIDE NEW OPENING IN EXTERIOR WALL FOR NEW WINDOW OPENING.
2.21 REMOVE AND SALVAGE EXISITNG HEADWALL UNIT TO OWNER.
2.22 EXISTING CHASE TO REMAIN.
2.23 REMOVE EXISTING FIRE EXTINGUISHER CABINET. SALVAGE FIRE EXTINGUISHER TO OWNER.
2.24 EXISTING FIRE EXTINGUISHER CABINET TO REMAIN.
2.27 TEMPORARY PARTITION.
2.28 EXISTING NURSE CALL HEAD END EQUIPMENT TO REMAIN. REF ELEC.TRICAL.
2.29 REMOVE EXISTING LOCKERS, BASE, AND BENCH.
2.31 REMOVE EXISTING PLUMBING FIXTURES. COORDINATE W/ MECHANICAL.
2.32 REMOVE EXISTING CONVECTOR UNITS UNDER WINDOWS THROUGHOUT. REMOVE CEMENT ASBESTOS BOARDS FOLLOWING ASBESTOS ABATEMENT METHODS.
2.33 REMOVE EXISTING FIN TUBE RADIATION. COORDINATE W/ MECHANICAL.
2.35 REMOVE EXISTING MED GAS VALVE BOX. COORDINATE W/ MECHANICAL.
2.36 REMOVE EXISTING DOOR, FRAME TO REMAIN.
2.37 REMOVE EXISTING PLUMBING FIXTURES, FURRING AND RIGID INSULATION AT EXTERIOR WALLS AND EXTERIOR COLUMNS TO REMAIN.
2.38 REMOVE EXISTING WOOD WINDOW STOOL.
2.39 REMOVE METAL WRAP AT HEAD AND JAMB AROUND WOOD BLOCKING.
2.40 PREP WALLS TO RECIEVE NEW FINISHES. TYP AT EXTERIOR WALLS. COORDINATE WITH ELECTRICAL FOR DROP LOCATIONS. REPAIR AND PATCH WALL AND INSULATION PER DETAIL B3/AD101
2.40A PREP WALLS TO RECIEVE NEW FINISHES.

TYPICAL ROOM DEMO NOTE:

- REMOVE FLOORING & VINYL BASE, U.N.O.
- REMOVE ALL TILE FROM WALLS.

DEMOLITION PLAN LEGEND

- EXISTING ITEMS TO REMAIN
- DEMOLITION ITEMS
- TEMPORARY PARTITION AND DOORS (REFER TO PHASING PLANS FOR FINAL LOCATIONS)
- CONSTRUCTION LIMITS
- FINTUBE
- 1 1/2" RECESS CUT INTO EXISTING SLAB TOPPING FOR NEW SHOWER. REF PLAN FOR LOCATION, SEE B1/AE505 FOR FLOOR SLOPING DETAIL.



KEYPLAN
NTS
NORTH

F1 2ND LEVEL DEMOLITION PLAN - AREA A
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

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Albertson Engineering, Inc.
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STAMP
REGISTERED ARCHITECT — TODD RANDALL STONE — SOUTH DAKOTA — 6-10-22

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: DEMOLITION PLAN - 2ND LEVEL AREA A
Approved:
Phase: CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS
Location: FORT MEADE, SOUTH DAKOTA
Issue Date: 06/10/2022
Checked: TS
Drawn: JN/JH
Project Number: VA #568-14-110 SGA #1677
Building Number: 113
Drawing Number: AD101

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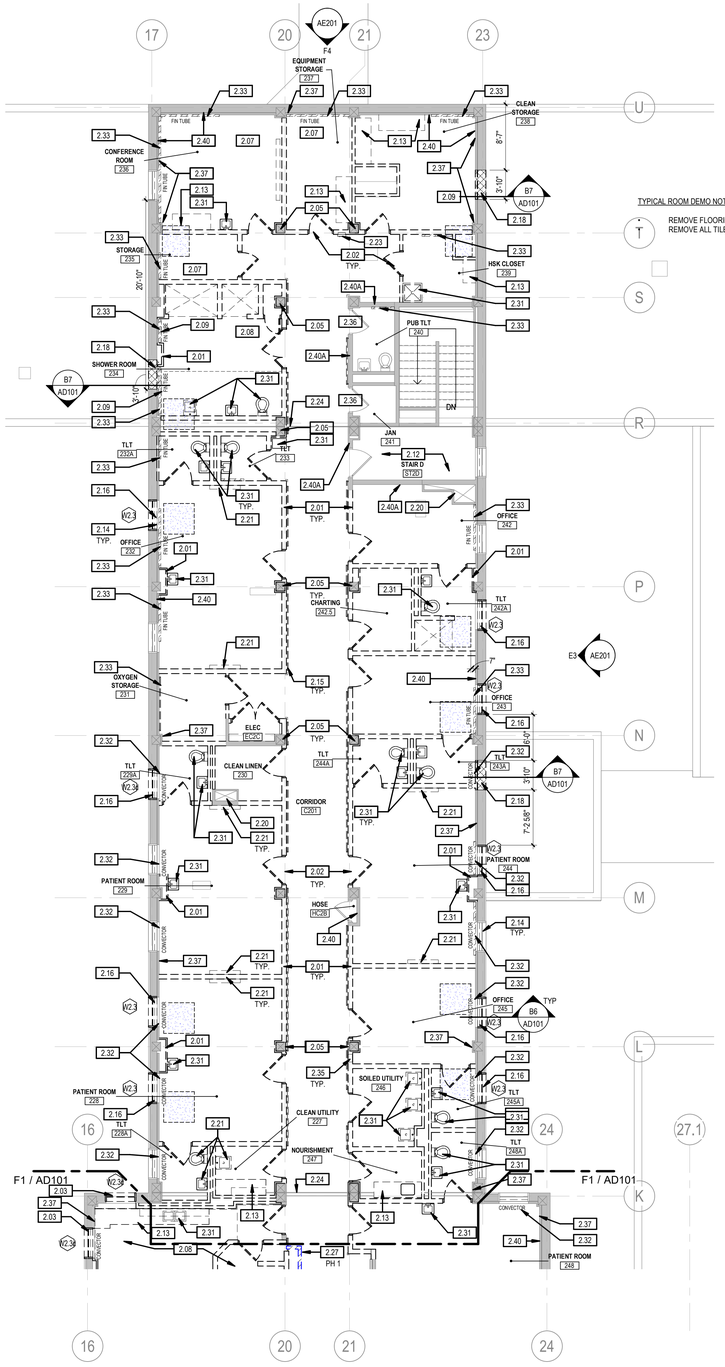
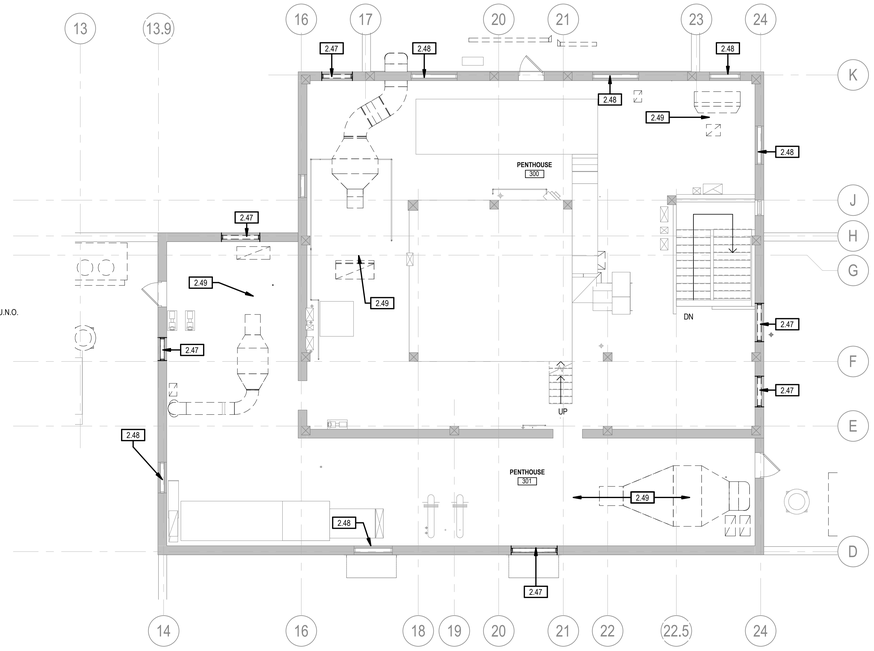


TYPICAL ROOM DEMO NOTE:

REMOVE FLOORING & VINYL BASE, U.N.O.
REMOVE ALL TILE FROM WALLS.

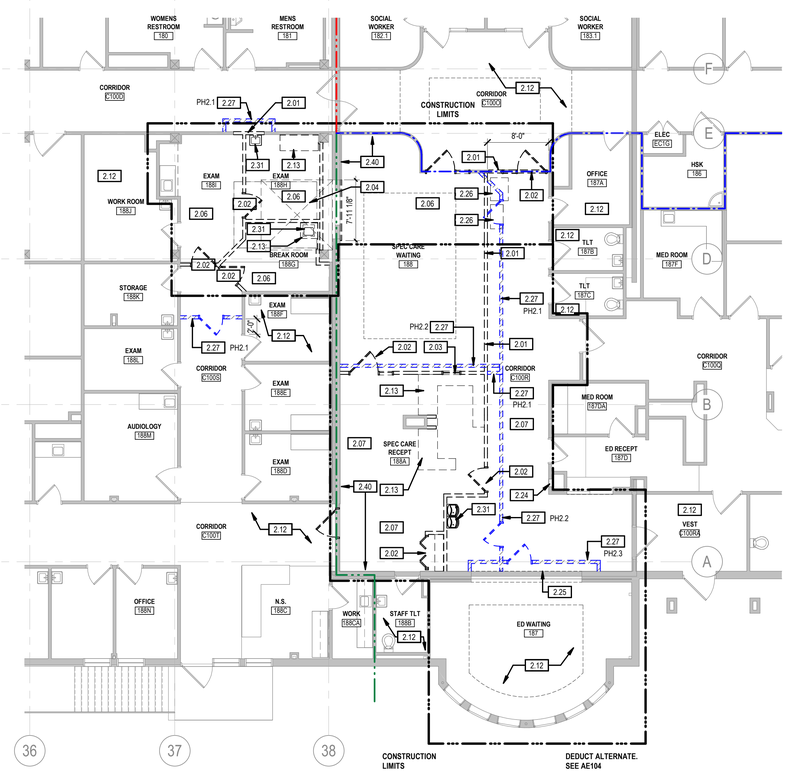
F1 2ND LEVEL DEMOLITION PLAN - AREA B

1/8" = 1'-0"



C5 PENTHOUSE LEVEL DEMOLITION PLAN

1/8" = 1'-0"



F5 1ST LEVEL DEMOLITION PLAN - AREA C

1/8" = 1'-0"

EXTERIOR WDW SCHEDULE - DEMO

PHASE	MARK	DESCRIPTION	COUNT	WIDTH	HEIGHT
PHASE 1	W1.1	SALVAGE FOR REINSTALLATION	4	3'-10"	5'-8 3/4"
PHASE 2	W1.2	SALVAGE FOR REINSTALLATION	11	3'-10"	5'-8 3/4"
PHASE 2	W1.2d	DEMO	1	3'-10"	5'-8 3/4"
PHASE 2	W2.2	SALVAGE FOR REINSTALLATION	2	4'-0"	5'-8 3/4"
PHASE 3	W2.3	SALVAGE FOR REINSTALLATION	8	4'-0"	5'-8 3/4"
PHASE 3	W2.3d	DEMO	4	4'-0"	5'-8 3/4"

DEMOLITION PLAN GENERAL NOTES

A. COORDINATE DEMOLITION WITH PHASING PLANS AND OWNER'S SCHEDULE FOR OCCUPANCY.

B. TEMPORARY PARTITIONS SHOULD BE SECURE AND WATERTIGHT.

C. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WHICH ARE TO MATCH EXISTING CONSTRUCTION. CONTACT A/E WITH DISCREPANCIES.

D. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OPERATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE ITEMS DESCRIBED BY KEYNOTES HEREIN.

E. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR PATCHED TO MATCH EXISTING. INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR RESPECTIVE CUT AND PATCH.

F. PATCH ALL HOLES EXISTING SLAB LEFT FROM REMOVAL OF FIXTURES.

G. RETURN ALL SIGNAGE AFFECTED BY CONSTRUCTION TO OWNER.

H. REMOVE ALL CUBICAL CURTAINS AND ASSOCIATED TRACKS IN AREAS TO BE REMODELED.

I. REPAIR/LEVEL EXISTING SLAB AS REQUIRED AT DEMOLITION OF EXISTING SHOWERS.

SHEET KEYNOTES

2.01 REMOVE EXISTING METAL STUD & GYP BOARD WALL IN ITS ENTIRETY.
2.02 REMOVE EXISTING DOOR AND FRAME.
2.03 REMOVE EXISTING WINDOW AND FRAME ASSEMBLY.
2.04 REMOVE EXISTING CONCRETE SLAB FOR NEW ELEVATOR OPENING. REFER TO FLOOR PLANS FOR SIZE AND LOCATIONS AND COORDINATE W/ STRUCTURAL.
2.05 EXISTING CONCRETE COLUMN TO REMAIN. REMOVE FURRING WALLS TO COLUMN AS INDICATED.
2.06 REMOVE EXISTING CARPET FLOOR AND VINYL BASE.
2.07 REMOVE EXISTING VINYL FLOOR AND BASE.
2.08 REMOVE EXISTING CERAMIC TILE FLOOR.
2.09 REMOVE EXISTING CERAMIC TILE FROM EXISTING GYPSUM BOARD WALLS. EXISTING WALLS THAT WILL REMAIN PREP FOR NEW FINISHES.
2.12 EXISTING ROOM FINISHES TO REMAIN.
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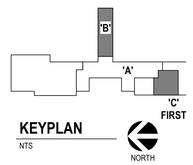
2.18 PROVIDE NEW OPENING IN EXTERIOR WALL FOR NEW WINDOW OPENING.
2.20 EXISTING CHASE TO REMAIN.
2.21 REMOVE AND SALVAGE EXISITNG HEADWALL UNIT TO OWNER.
2.23 REMOVE EXISTING FIRE EXTINGUISHER CABINET. SALVAGE FIRE EXTINGUISHER TO OWNER.
2.24 EXISTING FIRE EXTINGUISHER CABINET TO REMAIN.
2.25 EXISTING EXPANSION JOINT & COVERS TO REMAIN.
2.26 OWNER TO COORDINATE RELOCATION AND REINSTALLATION.
2.27 TEMPORARY PARTITION.
2.31 REMOVE EXISTING PLUMBING FIXTURES. COORDINATE W/ MECHANICAL.
2.32 REMOVE EXISTING CONVECTOR UNITS UNDER WINDOWS THROUGHOUT. REMOVE CEMENT ASBESTOS BOARDS FOLLOWING ASBESTOS ABATEMENT METHODS.
2.33 REMOVE EXISTING FIN TUBE RADIATION. COORDINATE W/ MECHANICAL.
2.35 REMOVE EXISTING MED GAS VALVE BOX. COORDINATE W/ MECHANICAL.
2.36 REMOVE EXISTING DOOR. FRAME TO REMAIN.
2.37 EXISTING GYPSUM BOARD, FURRING AND RIGID INSULATION AT EXTERIOR WALLS AND EXTERIOR COLUMNS TO REMAIN.
2.40 PREP WALLS TO RECIEVE NEW FINISHES. TYP AT EXTERIOR WALLS. COORDINATE WITH ELECTRICAL FOR DROP LOCATIONS. REPAIR AND PATCH WALL AND INSULATION PER DETAIL B3/AD101
2.40A PREP WALLS TO RECIEVE NEW FINISHES.
2.47 REMOVE EXISTING LOUVER AND INSTALL NEW LOUVER. COORDINATE W/ MECH.
2.48 EXISTING LOUVER TO REMAIN. COORDINATE W/ MECH.
2.49 REMOVE AIR HANDLING UNIT AND DUCTWORK. COORDINATE W/MECH

DEMOLITION PLAN LEGEND

- EXISTING ITEMS TO REMAIN
- DEMOLITION ITEMS
- TEMPORARY PARTITION AND DOORS (REFER TO PHASING PLANS FOR FINAL LOCATIONS)
- CONSTRUCTION LIMITS
- FINTUBE
- 1 1/2" RECESS CUT INTO EXISTING SLAB TOPPING FOR NEW SHOWER. REF PLAN FOR LOCATION, SEE B1/AE505 FOR FLOOR SLOPING DETAIL.



KEYPLAN
NTS
NORTH

Revision#	Description	Date:

CONSULTANTS

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Albertson Engineering, Inc.
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Phone: 605-348-7455

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SIOUX FALLS, SD 57104
605.271.1144
TODD STONE, AIA

STONE GROUP ARCHITECTS

STAMP

REGISTERED ARCHITECT — TODD ANDREW STONE — SOUTH DAKOTA — 6-10-22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	DEMOLITION PLAN - 2ND LEVEL AREA B & 1ST LEVEL AND PENTHOUSE
Approved:	
Phase	CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS
Location	FORT MEADE, SOUTH DAKOTA
Issue Date	06/10/2022
Checked	TS
Drawn	JN/JH
Project Number	VA #568-14-110 SGA #1677
Building Number	113
Drawing Number	AD102

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VA FORM 08 - 6231

DEMOLITION PLAN GENERAL NOTES

A. COORDINATE DEMOLITION WITH PHASING PLANS AND OWNER'S SCHEDULE FOR OCCUPANCY.

B. TEMPORARY PARTITIONS SHOULD BE SECURE AND WATERTIGHT.

C. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WHICH ARE TO MATCH EXISTING CONSTRUCTION. CONTACT A/E WITH DISCREPANCIES.

D. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OPERATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE ITEMS DESCRIBED BY KEYNOTES HEREIN.

E. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR PATCHED TO MATCH EXISTING. INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR RESPECTIVE CUT AND PATCH.

F. PATCH ALL HOLES EXISTING SLAB LEFT FROM REMOVAL OF FIXTURES.

G. RETURN ALL SIGNAGE AFFECTED BY CONSTRUCTION TO OWNER.

H. REMOVE ALL CUBICAL CURTAINS AND ASSOCIATED TRACKS IN AREAS TO BE REMODELED.

I. REPAIR/LEVEL EXISTING SLAB AS REQUIRED AT DEMOLITION OF EXISTING SHOWERS.

SHEET KEYNOTES

2.42 REMOVE EXISTING ACT PANELS AND ASSOCIATED LIGHTS, DIFFUSERS, AND CEILING EQUIPMENT TO ACCESS PLUMBING WORK. COORDINATE WITH PLUMBING. REINSTALL ACT PANELS AND ALL LIGHTS, DIFFUSERS AND OTHER ITEMS REMOVED. REPLACE DAMAGED CEILING TILES TO MATCH EXISTING.

2.43 REMOVE ENTIRE EXISTING GYP BD CEILING AND FRAMING AND ASSOCIATED LIGHTS, DIFFUSERS, AND CEILING EQUIPMENT TO ACCESS PLUMBING WORK. COORDINATE WITH PLUMBING. PROVIDE NEW GYP BD AND METAL STUD FRAMING CEILING TO MATCH EXISTING. REINSTALL ALL CEILING MOUNTED FIXTURES TO MATCH EXISTING. PAINT CEILING.

2.45 CEILING CONTROL JOINT BETWEEN NEW AND EXISTING CEILINGS.

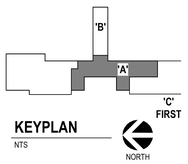
2.46 EXISTING FLOATING GYP SOFFIT TO REMAIN.

DEMO RCP LEGEND

- FIRST LEVEL AREA OF WORK
- DEMO ACT CEILING
- DEMO GYP CEILING
- EXISTING ITEMS TO REMAIN
- DEMOLITION ITEMS

F1 1ST LEVEL REFLECTED CEILING PLAN - AREA A

1/8" = 1'-0"



KEYPLAN NTS

Revision#	Description	Date:

CONSULTANTS

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TODD STONE, AIA

STONE GROUP ARCHITECTS

STAMP

REGISTERED ARCHITECT — TODD RANDALL STONE — SOUTH DAKOTA — 6-10-22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	CEILING DEMOLITION PLAN - 1ST LEVEL AREA A
Phase	CONSTRUCTION DOCUMENTS
Project Title	RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS
Project Number	VA #568-14-110 SGA #1677
Building Number	113
Approved:	
	FULLY SPRINKLERED
Location	FORT MEADE, SOUTH DAKOTA
Drawing Number	AD111
Issue Date	06/10/2022
Checked	TS
Drawn	JN/JH

VA FORM 08 - 6231

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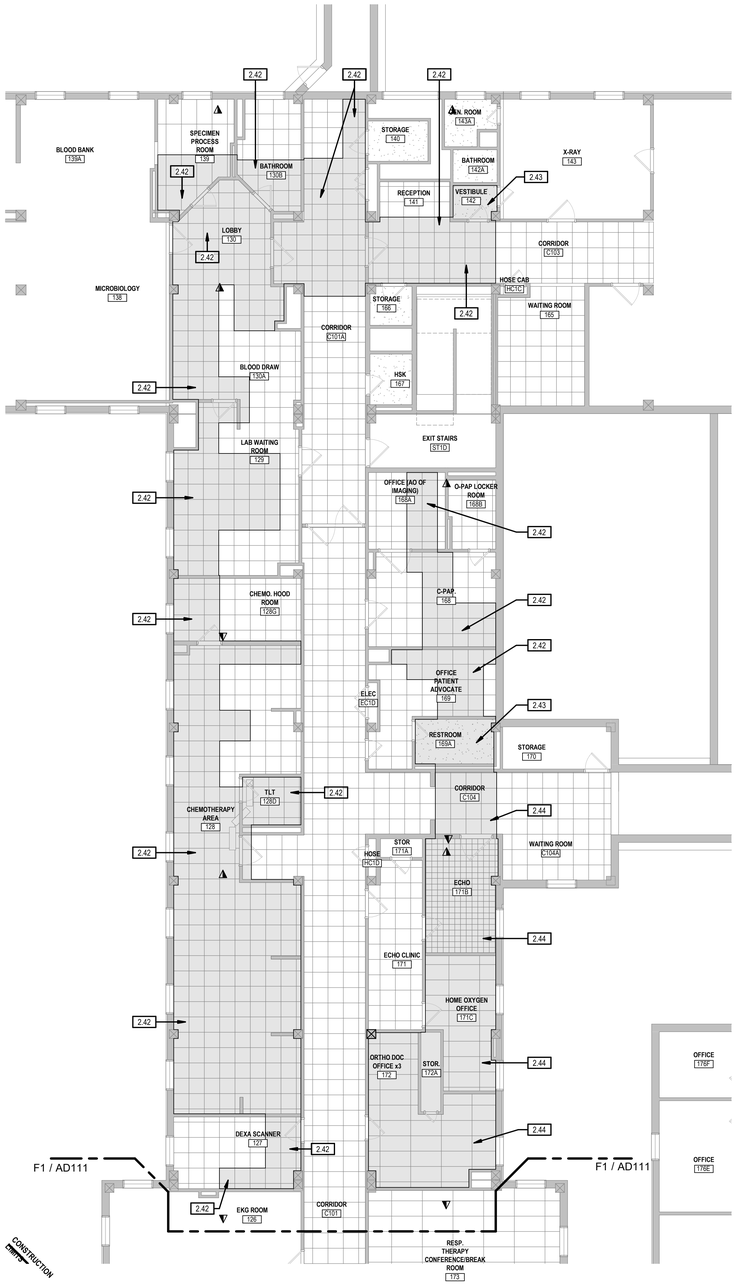
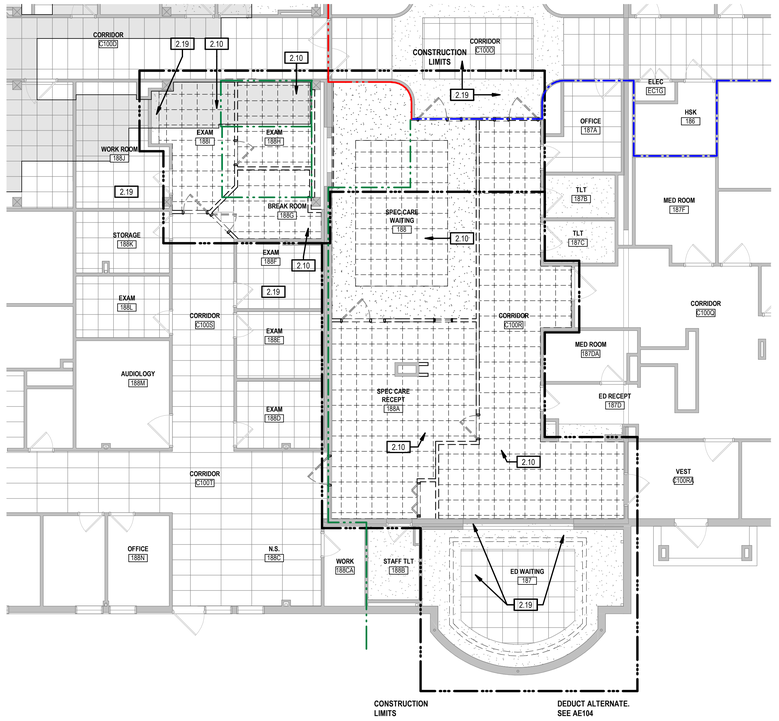
three inches = one foot; one and one half inches = one foot; one inch = one foot; three quarters inch = one foot; one half inch = one foot; three eighths inch = one foot; one quarter inch = one foot; one eighth inch = one foot



F1 **1ST LEVEL REFLECTED CEILING PLAN - AREA B**
1/8" = 1'-0"



F6 **1ST LEVEL REFLECTED CEILING DEMO PLAN - AREA C**
1/8" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

A. COORDINATE DEMOLITION WITH PHASING PLANS AND OWNER'S SCHEDULE FOR OCCUPANCY.

B. TEMPORARY PARTITIONS SHOULD BE SECURE AND WATERTIGHT.

C. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WHICH ARE TO MATCH EXISTING CONSTRUCTION. CONTACT A/E WITH DISCREPANCIES.

D. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OPERATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE ITEMS DESCRIBED BY KEYNOTES HEREIN.

E. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR PATCHED TO MATCH EXISTING. INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR RESPECTIVE CUT AND PATCH.

F. PATCH ALL HOLES EXISTING SLAB LEFT FROM REMOVAL OF FIXTURES.

G. RETURN ALL SIGNAGE AFFECTED BY CONSTRUCTION TO OWNER.

H. REMOVE ALL CUBICAL CURTAINS AND ASSOCIATED TRACKS IN AREAS TO BE REMODELED.

I. REPAIR/LEVEL EXISTING SLAB AS REQUIRED AT DEMOLITION OF EXISTING SHOWERS.

SHEET KEYNOTES

2.10 REMOVE EXISTING CEILING (ACT).
2.19 EXISTING CEILING TO REMAIN.
2.42 REMOVE EXISTING ACT PANELS AND ASSOCIATED LIGHTS, DIFFUSERS, AND CEILING EQUIPMENT TO ACCESS PLUMBING WORK. COORDINATE WITH PLUMBING. REINSTALL ACT PANELS AND ALL LIGHTS, DIFFUSERS AND OTHER ITEMS REMOVED. REPLACE DAMAGED CEILING TILES TO MATCH EXISTING.
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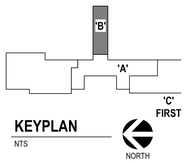
2.44 PROVIDE NEW 2X2 ACT PANELS IN THIS ROOM. COORDNATE LIGHT AND DIFFUSER PLACEMENT WITH M/E.

DEMO RCP LEGEND

- FIRST LEVEL AREA OF WORK
- DEMO ACT CEILING
- DEMO GYP CEILING
- EXISTING ITEMS TO REMAIN
- DEMOLITION ITEMS



KEYPLAN
NTS

Revision#	Description	Date:

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STONE GROUP ARCHITECTS

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REGISTERED ARCHITECT 9771 TODD RAND STONE SOUTH DAKOTA 6-10-22

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: CEILING DEMOLITION PLAN - 1ST LEVEL AREA B AND AREA C
Phase: CONSTRUCTION DOCUMENTS
Approved:
FULLY SPRINKLERED
Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS
Location: FORT MEADE, SOUTH DAKOTA
Issue Date: 06/10/2022
Checked: TS
Drawn: JN/JH
Project Number: VA #568-14-110 SGA #1677
Building Number: 113
Drawing Number: AD112

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VA FORM 08 - 6231

DEMOLITION PLAN GENERAL NOTES

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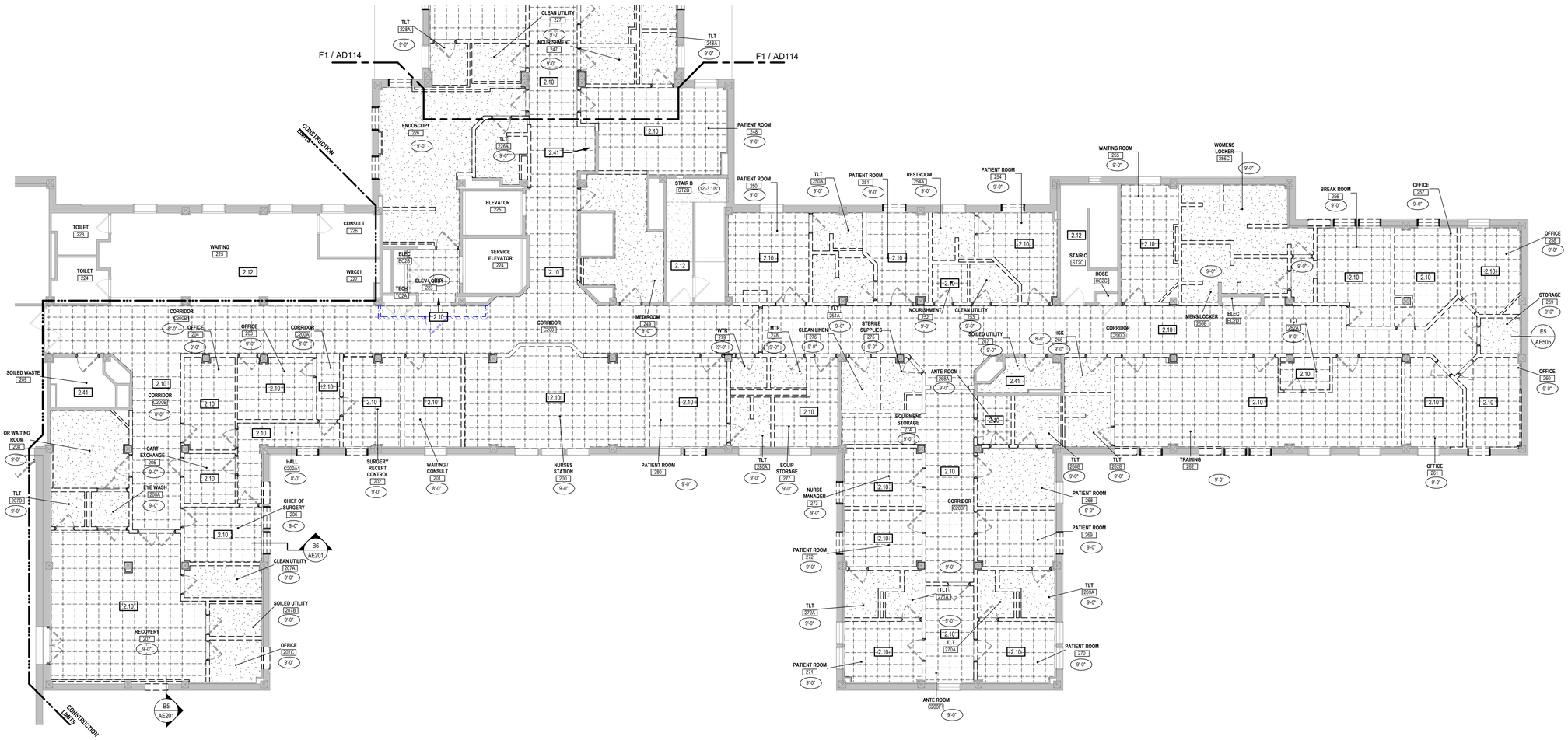
H. REMOVE ALL CUBICAL CURTAINS AND ASSOCIATED TRACKS IN AREAS TO BE REMODELED.

I. REPAIR/LEVEL EXISTING SLAB AS REQUIRED AT DEMOLITION OF EXISTING SHOWERS.

SHEET KEYNOTES

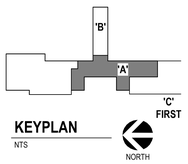
2.10 REMOVE EXISTING CEILING (ACT).
2.12 EXISTING ROOM FINISHES TO REMAIN.
2.41 EXISTING GYP CEILING. PREP FOR NEW FINISHES.



F1 **2ND LEVEL DEMO REFLECTED CEILING PLAN - AREA A**
1/8" = 1'-0"

DEMO RCP LEGEND

- DEMO ACT CEILING
- DEMO GYP CEILING
- EXISTING ITEMS TO REMAIN
- DEMOLITION ITEMS



KEYPLAN
NTS

Revision#	Description	Date:

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TODD STONE, AIA

STONE GROUP ARCHITECTS

STAMP

REGISTERED ARCHITECT
No. 9971
TODD RANDALL STONE
SOUTH DAKOTA
6·10·22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title CEILING DEMOLITION PLAN - 2ND LEVEL AREA A	**Phase** CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS
Location FORT MEADE, SOUTH DAKOTA
Issue Date 06/10/2022 | **Checked** TS | **Drawn** JN/JH

Project Number VA #568-14-110 SGA #1677
Building Number 113
Drawing Number AD113

C:_SGA Revit Local\21901 FT MEADE INPATIENT REDESIGN_ADD_jessek.UPWVE.RVT
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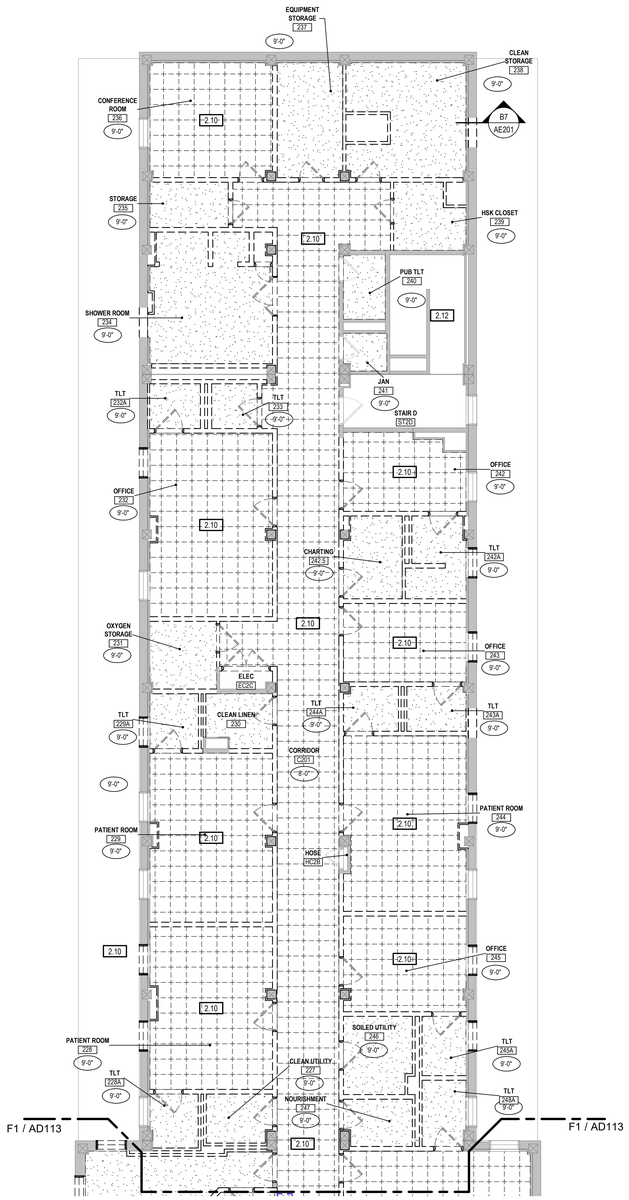

F1 2ND LEVEL DEMO REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

A. COORDINATE DEMOLITION WITH PHASING PLANS AND OWNER'S SCHEDULE FOR OCCUPANCY.

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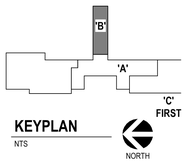
I. REPAIR/LEVEL EXISTING SLAB AS REQUIRED AT DEMOLITION OF EXISTING SHOWERS.

SHEET KEYNOTES

2.10 REMOVE EXISTING CEILING (ACT).
2.12 EXISTING ROOM FINISHES TO REMAIN.

DEMO RCP LEGEND

DEMO ACT CEILING
DEMO GYP CEILING
EXISTING ITEMS TO REMAIN
DEMOLITION ITEMS



KEYPLAN
NTS
NORTH

Revision#	Description	Date:

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STONE GROUP ARCHITECTS

STAMP
REGISTERED ARCHITECT — TODD R. STONE — SOUTH DAKOTA — 6-10-22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CEILING DEMOLITION PLAN - 2ND LEVEL AREA B	Phase: CONSTRUCTION DOCUMENTS	Project Title: RENOVATE AND CONSOLIDATE INPATIENT FUNCTIONS	Project Number: VA #568-14-110 SGA #1677
			Building Number: 113
Approved:	FULLY SPRINKLERED	Location: FORT MEADE, SOUTH DAKOTA	Drawing Number: AD114
		Issue Date: 06/10/2022 / Checked: TS / Drawn: JN/JH	

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