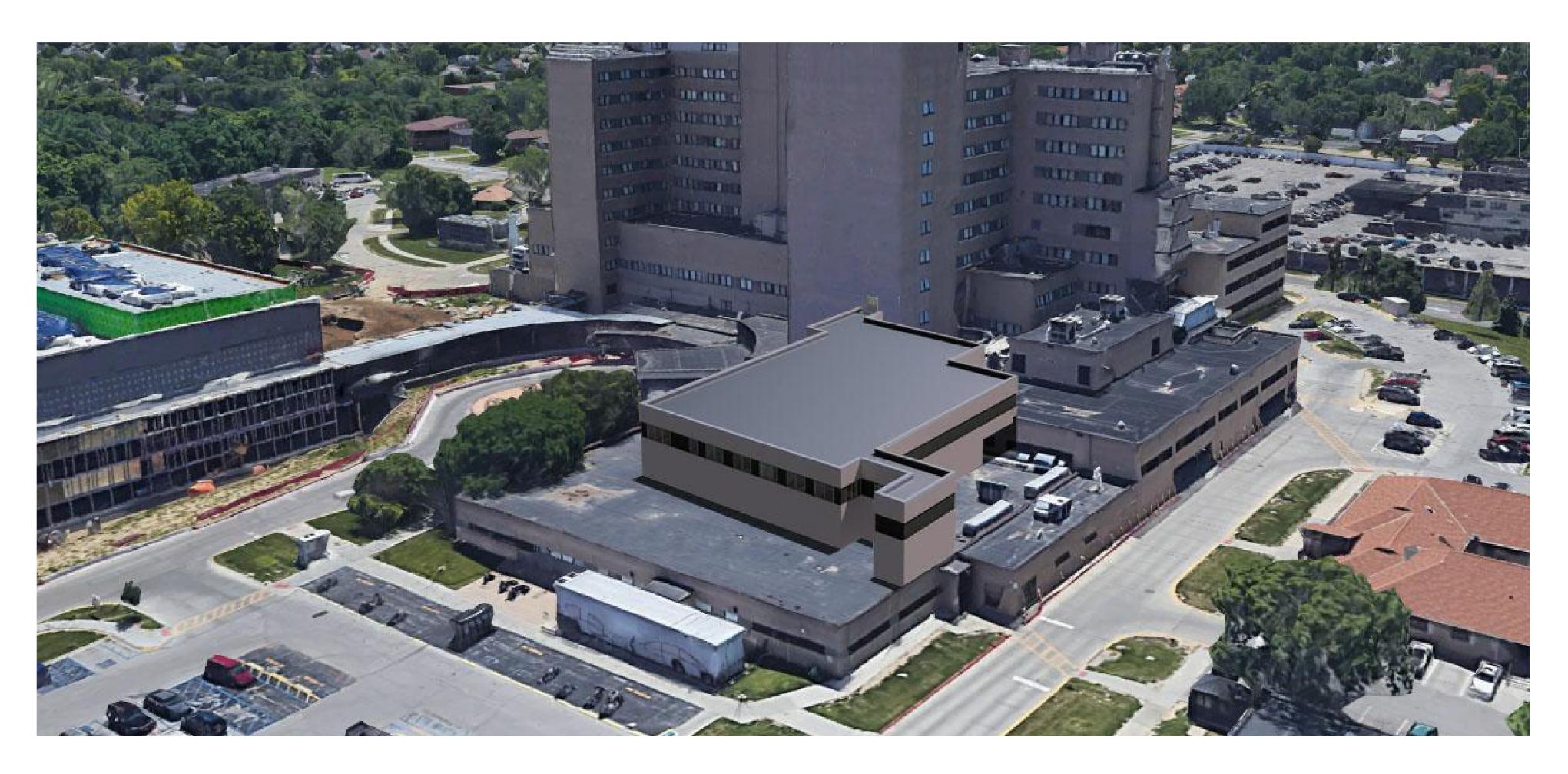
STERILE PROCESSING SERVICE SPS NEW ADDITION

OMAHA VA MEDICAL CENTER DEPARTMENT OF VETERAN'S AFFAIRS 4101 WOOLWORTH AVE #4199, OMAHA, NE 68105

PROJECT NO. 636-502





CONSTRUCTION DOCUMENTS



Woolworth Ave Woolworth Ave PARKING #1 PARKING #2 PARKING #3 SIDEWALKS LOCATED OUTSIDE OF BOUNDARY S 42nd Center St Center St

BUILDING SCHEDULE BUILDING NAME FISHER HOUSE CONSTRUCTION AREA VETERAN/VISITOR SMOKING SHELTER CONSTRUCTION AREA DENTAL CLINIC MAIN BUILDING PSYCHOSOCIAL REHABILITATION AND RECOVERY CENTER (PRRC) DIALYSIS, WAREHOUSE, LAUNDRY ACC CONSTRUCTION AREA

	PARKING SCHEDULE	
NO.	BUILDING NAME	
1	PARKING STRUCTURE	
2	VETERAN	
3	VETERAN	
4	PATIENT, VOLUNTEER, VISITOR	
5	HANDICAP EMPLOYEE	
6	SERVICE CONNECTED	
7	WHITE DECAL	
8	RESTRICTED	
9	VETERAN	
10	RESTRICTED	
11	VETERAN	
12	EMPLOYEE	
13	RESTRICTED	

GENERAL NOTES:

 SHEET SIZE FOR PROPER SCALE IS 30X42. CONTRACTOR SHALL NOT SCALE DRAWINGS BUT SHALL REQUEST THE DESIRED DIMENSIONS FROM THE ARCHITECT. SEE SHEET G-002 FOR GENERAL NOTES
 MAINTAIN FIRE WATCH WHEN DOUBLE EGRESS DOOR IS BLOCKED.

MAP LEGEND

CONSTRUCTION SAFETY FENCE.

MATERIAL DELIVERY ROUTE

AREA FOR CONSTRUCTION MATERIAL LAYDOWN AND CRANE LIFTS. LIFT BOUNDARIES TO BE COORDINATED AND REQUIRE APPROVAL FROM CONTRACTING OFFICER REPRESENTATIVE.

CONSTRUCTION DOCUMENTS

TERRASITE DESIGN 1635 DEADWOOD AVENUE PH: (605) 791-1736 COMPLIANCY REVIEW COMPLETED 2/23/2024 Date Revisions:

eighth inch = one foot
4 8 16

1 LOCATION MAP 3/4" = 1'-0"

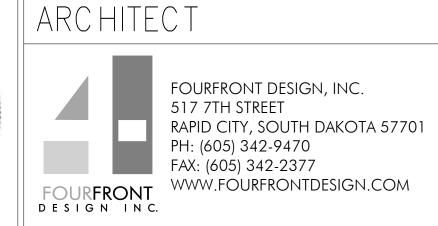
RAPID CITY, SOUTH DAKOTA 57702

Albertson Engineering Inc. PH: (605) 274-0880

ALBERTSON ENGINEERING, INC. 315 NORTH MAIN AVENUE, SUITE 200 SIOUX FALLS, SOUTH DAKOTA 57104 FARRIS ENGINEERING FARRIS ENGINEERING
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FE# 182043

12700 WEST DODGE ROAD
OMAHA, NEBRASKA 68154
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Drawing Title LOCATION MAP Approved: Project Director Omaha VA Medical Center

Design/Construct Sterile Processing Service- Omaha VA Medical Center Location 4101 Woolworth Ave #4199 Omaha, Ne 68105 Checked

11/23/2020

Project Number Office of 16.2330.A08 Construction Building Number and Facilities Management Drawing Number G-001

Department of Veterans Affairs

PROJECT DIRECTORY:



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ARCHITECT JOEL SIMONYAK, AIA, NCARB MECHANICAL ENGINEER MATT KOSCAK, PE **ELECTRICAL ENGINEER** RAY DAWES, PE

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FIRE PROTECTION ENGINEER DONNA KOHLAN, PE, FPE



TERRASITE DESIGN 1635 DEADWOOD AVENUE RAPID CITY, SOUTH DAKOTA 57702 PHONE (605) 791-1736

CIVIL ENGINEER SHANE MATT, PE

SHEET INDEX		
GENERAL		
G-000	COVER SHEET	
G-001	LOCATION MAP	
G-002	PROJECT DIRECTORY, DRAWING INDEX AND GENERAL NOTES	
G-003	ABBREVIATIONS, LEGENDS AND SYMBOLS	
G-004	INFECTION CONTROL RISK ASSESSMENT	
G-005	PHASING PLAN - LEVEL 1, 2 & 3	
G-101	CODE PLAN	
G-200	LIFE SAFETY PLAN - 2ND LEVEL	
G-201	LIFE SAFETY PLAN - 3RD LEVEL	
CIVIL		
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C-100	SITE GENERAL NOTES	
CD100	DEMOLITION PLAN	
CS100	SITE PLAN	
CG100	GRADING AND STAKEOUT PLAN	
CG101	EROSION CONTROL PLAN	
CU100	SANITARY SEWER PLAN	
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M 2.01	INTERSTITIAL SPACE PIPING REMODEL PLAN
M 2.02	LEVEL 3 MECHANICAL PIPING REMODEL PLAN
M 2.03	INTERSTITIAL SPACE HVAC DUCT REMODEL PLAN
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M 2.05	STEAM PIPING REMODEL PLAN
M 2.06	MECHANICAL ROOF PLAN
M 3.01	MECHANICAL SECTIONS
M 4.01	LARGE - SCALE VIEWS
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M 6.03	ZONE/ROOM PRESSURE AND FLOWS DIAGRAM
M 6.04	CONTROL DIAGRAMS AHU-1 AND EF-1
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P 1.02	INTERSTITIAL SPACE WATER AND COMPRESSED AIR PLAN
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P 1.04	LEVEL 3 SPS WATER AND COMPRESSED AIR PLAN
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	LECENDS AND ADDDEVIATIONS
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E-002	PANEL SCHEDULES CONTINUED
E-003	ELECTRICAL SCHEDULES
E-004	ELECTRICAL DETAILS
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E-006	TELECOMMUNICATIONS DETAILS
E-007	ELECTRICAL SERVICE DETAILS
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171-000	FIRE ALARM PLAN - 1ST AND 2ND LEVEL
FA-100	
	FIRE ALARM PLAN - 3RD LEVEL
FA-100	FIRE ALARM PLAN - 3RD LEVEL FIRE SUPPRESSION GENERAL NOTES AND DETAILS
FA-100 FA-101 FX-000	FIRE SUPPRESSION GENERAL NOTES AND DETAILS
FA-100 FA-101	

GENERAL NOTES:

- 1. ALL WORK SHALL COMPLY WITH APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- 2. THE CONTRACTOR SHALL PERFORM ALL TESTING AND INSPECTIONS AS SPECIFIED, OR AS NECESSARY TO DEMONSTRATE A COMPLETE AND SATISFACTORY INSTALLATION.
- 3. THE CONTRACTOR SHALL PROTECT EXISTING BUILDING AND SITE MATERIALS SCHEDULED TO REMAIN, AND SHALL BE RESPONSIBLE FOR THE CONTRACTOR SHALL RESTORE DAMAGED EXISTING BUILDING AND SITE MATERIALS TO THEIR ORIGINAL CONDITION.
- 4. CONTRACTOR SHALL EXERCISE CAUTION TO AVOID ANY DAMAGE WHEN PERFORMING EARTHWORK, PAVING, OR ANY CONSTRUCTION IN THE VICINITY OF EXISTING UTILITIES, BUILDINGS, AND LANDSCAPING.
- 5. CONTRACTOR SHALL INSPECT SITE AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT/CONTRACTING OFFICER REPRESENTATIVE
- IMMEDIATELY OF ANY DISCREPANCIES. 6. CONTRACTOR SHALL COORDINATE ALL WORK AND SHOP DRAWINGS WITH
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK. CONTRACTOR SHALL ANTICIPATE AREAS WHERE THE INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WILL BE RESTRICTED, CONGESTED, OR DIFFICULT TO INSTALL, AND SHALL COORDINATE INSTALLATION BETWEEN ALL
- 8. SUB-CONTRACTOR SHALL COORDINATE LOCATIONS FOR ALL MECHANICAL AND ELECTRICAL ITEMS WITH THE GENERAL CONTRACTOR. CONTRACTOR SHALL NOTIFY ARCHITECT/CONTRACTING OFFICER REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO INSTALLATION AND/OR FABRICATION.
- 9. ALL DIMENSIONS LOCATING BUILDING AND SITE IMPROVEMENTS ARE TO FACE OF BUILDING, BACK OF CURB, OR EDGE OF WALK, AND RUN PARALLEL OR PERPENDICULAR TO EXISTING ROADS.
- 10. ALL BUILDING DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, AND EXTERIOR WINDOW OR DOOR ROUGH OPENING.
- 11. ALL ANGLES ON PLANS ARE 45- OR 90-DEGREES, UNLESS NOTED OTHERWISE CURVED ELEMENTS ARE LOCATED AS DIMENSIONED.
- 12. ALL ELEVATIONS INDICATED ON THE DRAWINGS ARE BASED ON A FIRST FLOOR DATUM OF +100'-0". WHERE ITEMS ARE LABELED A.F.F. (ABOVE FINISHED FLOOR), CONTRACTOR SHALL SET THE ITEM AS MEASURED FROM THE LOCAL FLOOR ELEVATION. COORDINATE ANY DISCREPANCIES REGARDING THIS SITUATION TO ASSURE THAT ALL BUILDING COMPONENTS
- ARE PROPERLY SET TO FUNCTION AS INTENDED. 14. ALL ITEMS ARE NEW UNLESS SPECIFICALLY IDENTIFIED AS EXISTING
- 15. SEE FIRE PROTECTION PLANS FOR LOCATIONS OF FIRE- AND SMOKE-RATED
- 16. INSTALL BLOCKING WITHIN PARTITIONS AS REQUIRED FOR INSTALLATION OF WALL-MOUNTED CABINETS, TOILET ACCESSORIES, WALL STOPS, AND MISCELLANEOUS ITEMS.
- 17. LOCATE INTERIOR CONTROL JOINTS WHERE INDICATED, BUT AT A MINIMUM TO DIVIDE ALL GYPSUM BOARD INTO SECTIONS NOT EXCEEDING 30-FEET IN
- 18. ALL CEILING GRID SHALL BE CENTERED WITHIN THE ROOM OR CORRIDOR IN WHICH IT OCCURS, UNLESS SHOWN OTHERWISE.
- 19. ALL CEILING HEIGHTS LISTED IN THE ROOM FINISH SCHEDULE ARE FROM THE FINISH FLOOR OF THE LISTED ROOM, UNLESS NOTED OTHERWISE
- 20. ALL CHANGES IN FLOOR MATERIALS OCCUR AT THE FOLLOWING LOCATIONS, UNLESS NOTED OTHERWISE: 1) AT THE CENTER LINE OF DOORS IN THE CLOSED POSITION, OR; 2) AT THE CENTER LINE OF OPENINGS SEPARATING
- 24. WHERE METAL STUDS EXTEND TO THE STRUCTURE ABOVE, PROVIDE DOUBLE-HEAD TRACK TO ALLOW FOR 3/4" MINIMUM DEFLECTION OF THE
- 25. ALL MASONRY REINFORCEMENT IS INDICATED ON THE STRUCTURAL
- 26. ALL EXTERIOR CONTROL JOINTS SHALL RECEIVE BACKER ROD AND SEALANT 27. IN SOME INSTANCES, THERMAL AND SOUND INSULATION HAS BEEN OMITTED FROM DETAILS FOR CLARITY. SEE SPECIFICATIONS, PARTITION TYPES, AND
- WALL SECTIONS FOR LOCATIONS REQUIRING INSULATION. 28. THE PLANS AND SPECIFICATIONS ARE NOT INTENDED TO DEPICT EACH AND EVERY CONDITION OR DETAIL OF CONSTRUCTION IN REGARD TO THE AIR AND MOISTURE RETARDER. THE CONTRACTOR HAS RESPONSIBILITY FOR ENSURING THE AIR- AND WATER-TIGHT INTEGRITY OF THE STRUCTURE.

CONSTRUCTION DOCUMENTS

2/23/2024

Date

COMPLIANCY REVIEW COMPLETED

h inch = one foot

8
16

1635 DEADWOOD AVENUE RAPID CITY, SOUTH DAKOTA 57702 PH: (605) 791-1736

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Drawing Title PROJECT DIRECTORY, DRAWING INDEX AND GENERAL NOTES Approved: Project Director

16.2330.A08 Design/Construct Sterile Processing Service- Omaha VA **Building Number** Medical Center Location 4101 Woolworth Ave #4199 **Drawing Number** Omaha, Ne 68105 Omaha VA Medical Center G-002 Checked

11/23/2020

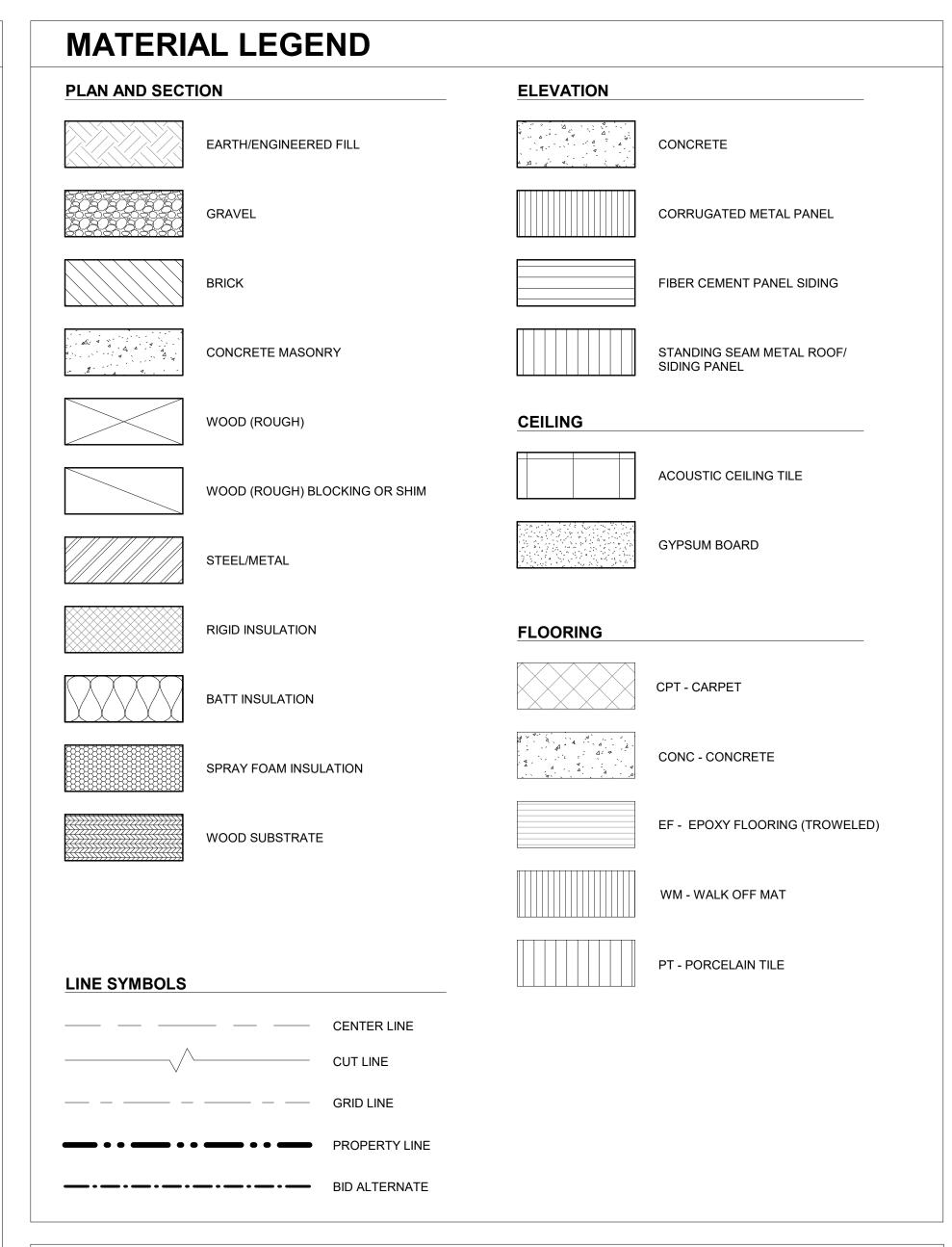
Office of Construction and Facilities Management

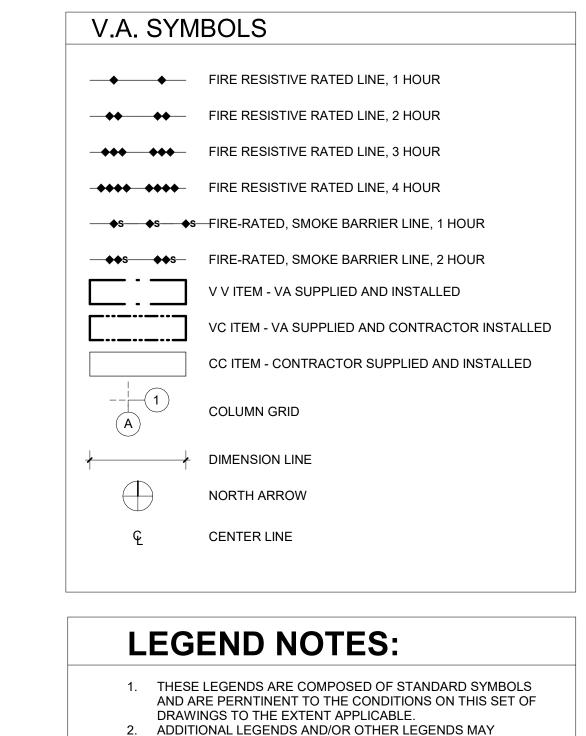
Department of Veterans Affairs

FARRIS ENGINEERING FARRIS ENGINEERING 12700 WEST DODGE ROAD OMAHA | LINCOLN | SIDNEY | COLORADO SPRINGS OMAHA, NEBRASKA 68154 FE# 182043 PH: (402) 330-5900

DESIGN INC.

ABBREVIATIONS POUND OR NUMBER RADIUS FLOOR DRAIN OR FIRE DEPARTMENT AND FIRE EXTINGUISHER CABINET **RUBBER BASE** FIN FINISH **RUBBER TILE ANCHOR BOLT** FIXT **FIXTURE** RCP REFLECTED CEILING PLAN AMERICAN CONCRETE INSTITUTE RD FLOOR **ROOF DRAIN** ACT ACOUSTIC CEILING TILE FILLED METAL REINFORCED AREA DRAIN FND FOUNDATION REF REFERENCE ABOVE FINISH FLOOR **REQD** FACE OF MASONRY REQUIRED AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION RET RETURN FOOT OR FEET AISI AMERICAN IRON AND STEEL INSTITUTE FOOTING RMROOM ALUMINUM R.O. **ROUGH OPENING** ANOD ANODIZED GAUGE RIGHT OF WAY ALTERNATE STRESS DESIGN **GALV GALVANIZED** AMERICAN SOCIETY FOR TESTING AND MATERIALS GB **GRADE BEAM** SOUND ATTENUATION BLANKET AMERICAN WELDING SOCIETY AWS GROUND SOLID CORE GP **GUSSET PLATE** SECT SECTION BD GR BOARD SHT GRADE SHEET **BLOCK** BLK GYP **GYPSUM** SIM SIMILAR BMBEAM SPLICE LENGTH B.O. **BOTTOM OF HOLLOW CORE** SEALED CONCRETE BOTTOM HDR HEADER SLV SHORT LEG VERTICAL **BEARING** HEF HORIZONTAL EACH FACE SOG SLAB ON GRADE **BRKT BRACKET** SPEC SPECIFIED OR SPECIFICATION BASEMEN^T HORIZONTAL INSIDE FACE SPK SPRINKLER OR SPEAKER BUILDING **HOLLOW METAL** SQUARE **BEYOND** BYND HORIZONTAL OUTSIDE FACE SSTL STAINLESS STEEL HORIZONTAL STC SOUND TRANSMISSION CLASS **CABINET** HP STD HIGH POINT STANDARD CER CERAMIC **STIFF** STIFFENER HOUR CIP CAST-IN-PLACE STL HIGH STRENGTH STEEL CJ **CONTROL JOINT** HT HEIGHT STR STAIR CLG CEILING STRUCT HEATING, VENTILATING, AND AIR CONDITIONING STRUCTURE OR STRUCTURAL CLR CLEAR SUP SUPPORT CONCRETE MASONRY UNIT INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS SYM SYMMETRICAL COLUMN ID **INSIDE DIAMETER** COMPR COMPRESSIBLE ILO IN LIEU OF TOP AND BOTTOM CONCRETE T&G **TONGUE AND GROOVE** INCH CONST JT CONSTRUCTION JOINT INCL TBD TO BE DETERMINED INCLUDE CONTINUOUS INSULATED OR INSULATION T/D TELEPHONE/DATA CARPET TILE INT INTERIOR TEL TELEPHONE CONCRETE REINFORCING STEEL INSTITUTE INV TEMP INVERT **TEMPERATURE** IMPACT RESISTANT GYPSUM WALL BOARD THK THICK OR THICKNESS TLT TOILET DOUBLE JST **JOIST** T.O. TOP OF DEMOLISH OR DEMOLITION JT **JOINT** T.O.C TOP OF CONCRETE DET T.O.F TOP OF FRAMING DIA DIAMETER KIP (1000 POUNDS) T.O.S TOP OF STEEL/STUD DIM **DIMENSION** T.O.W TOP OF WALL DIR DIRECTION LONG LEG VERTICAL TPD TOILET PAPER DISPENSER DN DOWN LOW POINT TYPICAL DOOR LEVEL DWG DRAWING LIGHT WEIGHT UNDERSIDE **UNLESS NOTED OTHERWISE** LWC LIGHT WEIGHT CONCRETE UNDERSIDE EACH END **EACH FACE MASONRY** VAPOR BARRIER **EXPANSION JOINT** MAX MAXIMUM VCT VINYL COMPOSITE TILE **ELEVATION** MCB METAL CORNER BEAD VEF VERTICAL EACH FACE **ELEC ELECTRICAL** MECH MECHANICAL **VERT** VERTICAL ELEV **ELEVATOR OR ELEVATION MEMBR MEMBRANE** VIF VERIFY IN FIELD **EPDM** ETHYLENE PROPYLENE DIENE M-CLASS (ROOFING) **MEZZANINE** VINYL WALL COVERING EQ MANUFACTURED ES EACH SIDE MIN MINIMUM EXIST. **EXISTING** WD MASONRY OPENING WOOD **EXP BLT EXPANSION BOLT** MOISTURE-RESISTANT GYPSUM WALL BOARD WDW **WINDOW** EXP JT **EXPANSION JOINT** MTL METAL **WORKING POINT** WP EXTERIOR EXT WEATHER RESISTANT BARRIER WELDED WIRE FABRIC FLOOR DRAIN OR FIRE DEPARTMENT NEAR FACE FIRE EXTINGUISHER CABINET NOT IN CONTRACT FIN FINISH NO NUMBER **FIXT FIXTURE** NOM NOMINAL FLR FLOOR NTS NOT TO SCALE FΜ FILLED METAL NORMAL WEIGHT CONCRETE FND **FOUNDATION** F.O. FACE OF THE LIST OF ABBREVIATIONS MAY FOOT OR FEET ON CENTER **CONTAIN ITEMS THAT ARE NOT SHOWN** FTG FOOTING OD OUTSIDE DIAMETER ON THE DRAWINGS AND DO NOT OCCUR ОН OPPOSITE HAND IN THE PROJECT. GAUGE OPNG OPENING **GALV** GALVANIZED ΟZ OUNCE GB **GRADE BEAM** GP **GUSSET PLATE** GR GRADE PAINT GYP **GYPSUM** PC PILE CAP PRE-CAST CONCRETE **HOLLOW CORE** PLATE HDR HEADER PLASTIC LAMINATE HEF HORIZONTAL EACH FACE PLUMBING HIGH PLYWOOD HORIZONTAL INSIDE FACE PORCELAIN HOLLOW METAL PANEL HOF HORIZONTAL OUTSIDE FACE PAINT OR PAINTED HOR HORIZONTAL POUNDS PER SQUARE FOOT HP **HIGH POINT** POUNDS PER SQUARE INCH HR HOUR PRESSURE TREATED HIGH STRENGTH POINT HEIGHT PAIR



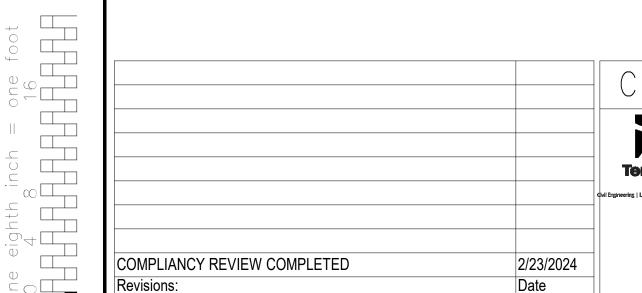


APPEAR IN THIS SET OF DRAWINGS TO INDICATE SPECIFIC

CONDITIONS IN LIEU OF SYMBOLS SHOWN ON THIS SHEET.

ARCHITECTURAL SYMBOLS DRAWING TITLE SCALE VIEW NAME ROOM TAG ROOM NAME **I** / 1/8" = 1'-0" Room name **ROOM NUMBER BUILDING SECTION** 101 DRAWING NUMBER SHEET NUMBER **KEYNOTE TAG** KEYNOTE DESIGNATION 5-04 WALL SECTION **DIRECTION OF SIGHT** DRAWING NUMBER SHEET NUMBER **DOOR TAG** - DOOR NUMBER **DETAIL CUT** DRAWING NUMBER SHEET NUMBER **PARTITION TAG** A101 HEIGHT DESIGNATION - WALL DESIGNATION **DETAIL CALLOUT** DRAWING NUMBER SHEET NUMBER **WINDOW TAG** WINDOW DESIGNATION EXTERIOR/INTERIOR **ELEVATION DIRECTION OF SIGHT ELEVATION MARKER** DRAWING NUMBER ELEVATION ELEVATION SHEET NUMBER A101 **EQUIPMENT TAG EQUIPMENT NUMBER FURNISHING TAG** FURNISHING NUMBER XXXXX

CONSTRUCTION DOCUMENTS



HEATING, VENTILATING, AND AIR CONDITIONING

TERRASITE DESIGN 1635 DEADWOOD AVENUE RAPID CITY, SOUTH DAKOTA 57702

PH: (605) 791-1736

PROP

PROPERTY

POLYVINYL CHLORIDE

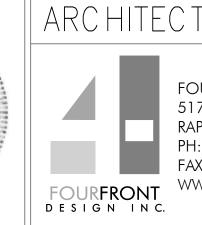
Albertson Engineering Inc.

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Drawing Title ABBREVIATIONS, LEGENDS AND SYMBOLS Approved: Project Director

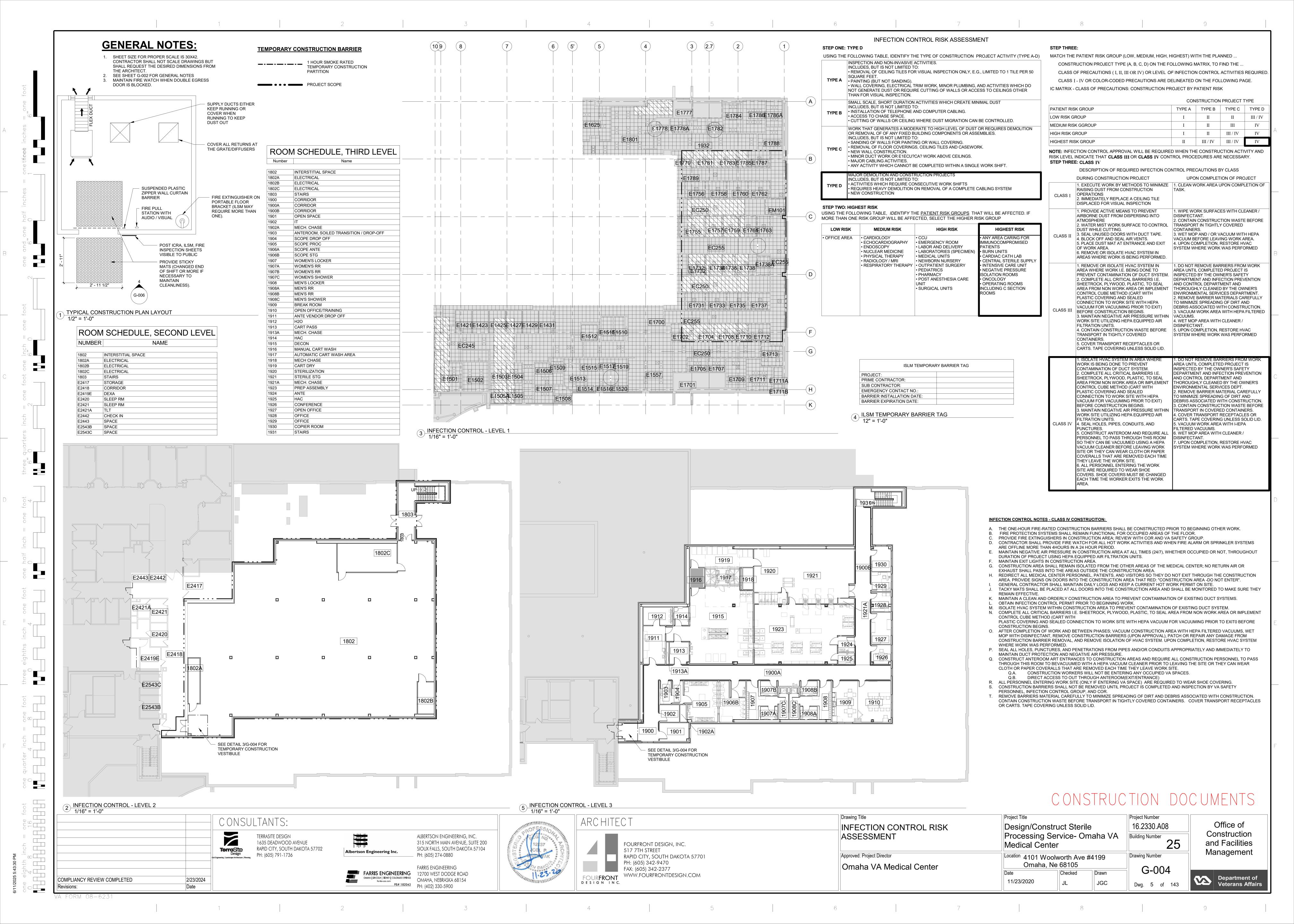
Omaha VA Medical Center

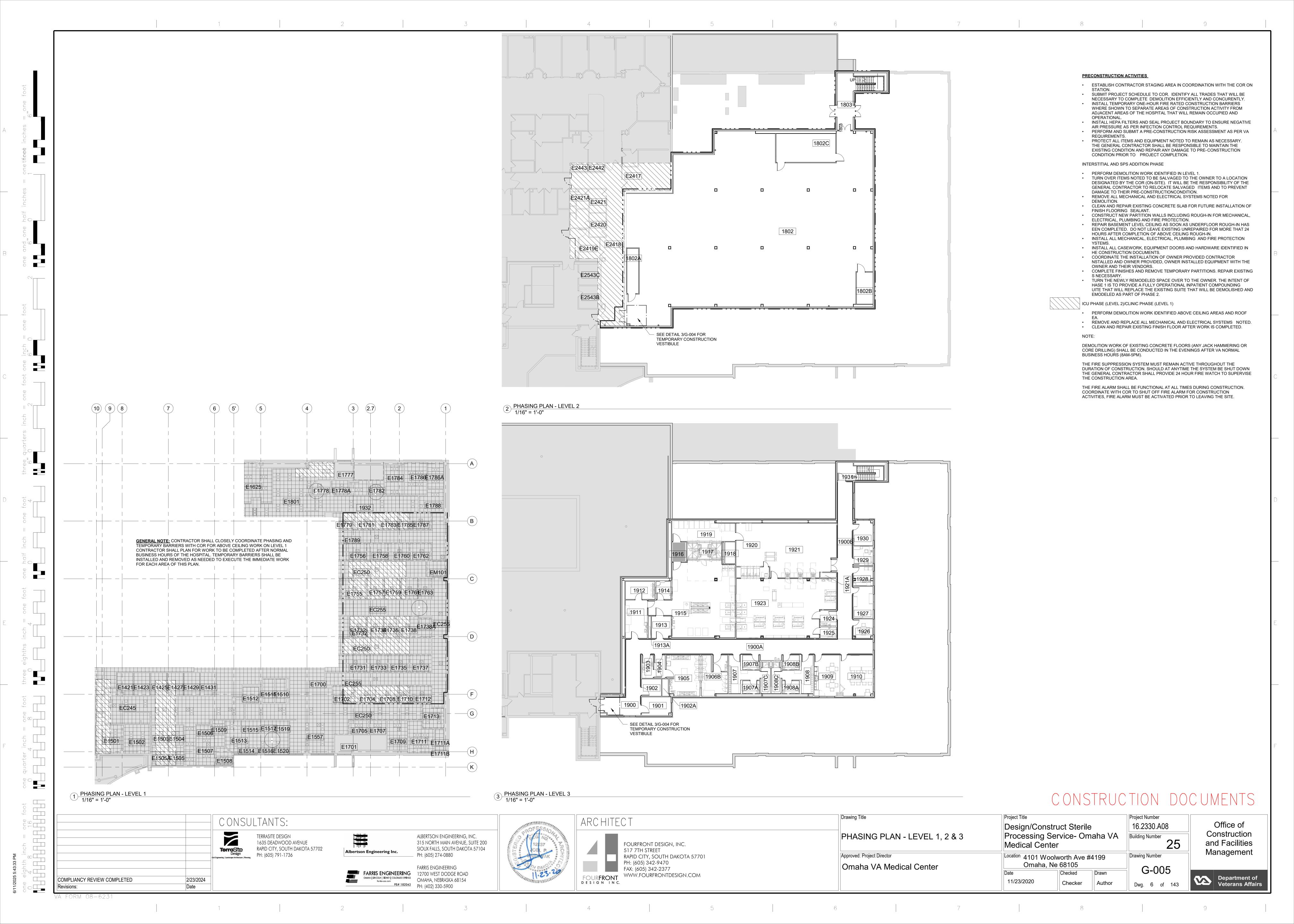
Project Title Project Number 16.2330.A08 Design/Construct Sterile Processing Service- Omaha VA **Building Number** Medical Center Location 4101 Woolworth Ave #4199 **Drawing Number** Omaha, Ne 68105 G-003

Office of Construction and Facilities Management

Checked 11/23/2020

Department of Veterans Affairs





ROUTE	DESCRIPTION	SYMBOL	PROVIDED	MAXIMUM PERMITTED
00.4	OOMMON BATILA	OD 4	001.011	4001.011
CP-A	COMMON PATH A	CP-A	32'-0"	100'-0"
TP-A	TOTAL TRAVEL PATH A	TP-A	180'-0"	300'-0"
CP-B	COMMON PATH B	CP-B	60'-6"	100'-0"
TP-B	TOTAL TRAVEL PATH B	TP-B	147'-0"	300'-0"
CP-C	COMMON PATH C	CP-C	62'-3"	100'-0"
TP-C	TOTAL TRAVEL PATH C	TP-C	135'-0"	300'-0"
CP-D	COMMON PATH D	CP-D	96'-9"	100'-0"
TP-D	TOTAL TRAVEL PATH D	TP-D	144'-0"	300'-0"
CP-E	COMMON PATH E	CP-E	19'-0"	100'-0"
TP-E	TOTAL TRAVEL PATH E	TP-E	99'-0"	400'-0"

EXIT EGRESS FOR ALL PATHS CALCULATED ON A FULL OCCUPANT LOAD OF 88 TO PROVIDE WORST CASE SCENARIO.

DEAD END PATH A

ALL LEVEL PATHS ARE REQUIRED TO HAVE A MINIMUM EGRESS WIDTH OF 0.2" PER OCCUPANT OR 36", WHICHEVER IS GREATER. USING THE FULL OCCUPANT LOAD OF 88 INDICATES A REQUIRED EGRESS WIDTH OF 18 INCHES; THEREFORE, THE MINIMUM EGRESS WIDTH REQUIRED FOR CORRIDORS AND DOORS IS 36". ALL CORRIDORS FAR EXCEED THIS REQUIREMENT. THE MINIMUM DOOR CLEAR WIDTH USED THROUGHOUT IS 40.5" EXCEPT FOR WHERE DOUBLE DOORS ARE PROVIDED.

DE-A 10'-6" 50'-0"

MINIMUM STAIR EGRESS WIDTH IS 0.3" PER OCCUPANT LOAD OR 44", WHICHEVER IS GREATER. USING 0.3" PER OCCUPANT LOAD IS 26.4"; THEREFORE, MINIMUM STAIR WIDTH REQUIRED IS 44". WIDTH PROVIDED

WALL RATING LEGEND

•	1 HOUR FIRE BARRIER. DOORS SHALL BE 3/4 HOUR RATED WITH AUTOMATIC CLOSING DEVICES.
◆s	SMOKE BARRIER WITH A 1 HOUR FIRE RATING. DOORS SHALL BE 3/4 HOUR RATED WITH AUTOMATIC CLOSING AND SELF LATCHING DEVICES (U.N.O.).
**	2 HOUR FIRE BARRIER. DOORS SHALL BE 1-1/2 HOUR RATED WITH AUTOMATIC CLOSING DEVICES.
→ \$	SMOKE BARRIER WITH A 2 HOUR FIRE RATING. DOORS SHALL BE 1-1/2 HOUR RATED WITH AUTOMATIC CLOSING AND SELF LATCHING DEVICES (U.N.O.)
SP	SMOKE PARTITION. DOOR SHALL HAVE AUTOMATIC CLOSING DEVICES (U.N.O.).

OCCUPANCY LOAD AND REQUIRED EGRESS WIDTH CALCULATIONS - THIRD LEVEL BUILDING SUMMARY					
ROOM NUMBER	ROOM NAME	OCCUPANCY USE TYPE (NFPA 101)	AREA	OCCUPANT LOAD FACTOR SF/PERSON	OCCUPANT LOAD
1900	CORRIDOR	BUSINESS USE	353 SF	150	3
1900A	CORRIDOR	BUSINESS USE	1,066 SF	150	8
1900B	CORRIDOR	BUSINESS USE	681 SF	150	5
1901	OPEN SPACE	STORAGE USE & MECH. EQUIP. ROOMS	146 SF	500	1
1902	IT	STORAGE USE & MECH. EQUIP. ROOMS	92 SF	500	1
1903	ANTEROOM, SOILED TRANSITION/DROP-OFF	STORAGE USE & MECH. EQUIP. ROOMS	70 SF	500	1
1904	SCOPE DROP OFF	STORAGE USE & MECH. EQUIP. ROOMS	70 SF	500	1
1905	SCOPE PROC	BUSINESS USE	353 SF	150	3
1906A	ANTE	BUSINESS USE	66 SF	150	1
1906B	SCOPE STG	STORAGE USE & MECH. EQUIP. ROOMS	206 SF	500	1
1907	WOMEN'S LOCKER, SHOWER AND RESTROOMS	BUSINESS USE	374 SF	150	3
1908	MEN'S LOCKER, SHOWER AND RESTROOMS	BUSINESS USE	375 SF	150	3
1909	BREAK ROOM	BUSINESS USE	282 SF	150	2
1910	OPEN OFFICE/TRAINING	BUSINESS USE	363 SF	30	13
1911	ANTE VENDOR DROP OFF	STORAGE USE & MECH. EQUIP. ROOMS	225 SF	500	1
1912	H20	STORAGE USE & MECH. EQUIP. ROOMS	143 SF	500	1
1913	CART PASS	STORAGE USE & MECH. EQUIP. ROOMS	114 SF	500	1
1914	HAC	STORAGE USE & MECH. EQUIP. ROOMS	71 SF	500	1
1915	DECON	BUSINESS USE	1,402 SF	150	10
1916	MANUAL CART WASH	STORAGE USE & MECH. EQUIP. ROOMS	88 SF	500	1
1917	AUTOMATIC CARTWASH AREA	STORAGE USE & MECH. EQUIP. ROOMS	149 SF	500	1
1919	CART DRY	STORAGE USE & MECH. EQUIP. ROOMS	353 SF	500	1
1920	STERILIZATION	BUSINESS USE	493 SF	150	4
1921	STERILE STG	STORAGE USE & MECH. EQUIP. ROOMS	937 SF	500	2
1923	PREP ASSEMBLY	BUSINESS USE	1,476 SF	150	10
1924	ANTE	BUSINESS USE	67 SF	150	1
1925	HAC	STORAGE USE & MECH. EQUIP. ROOMS	49 SF	500	1
1926	CONFERENCE	BUSINESS USE	98 SF	150	1
1927	OPEN OFFICE	BUSINESS USE	168 SF	150	2
1928	OFFICE	BUSINESS USE	98 SF	150	1
1929	OFFICE	BUSINESS USE	102 SF	150	1
1930	COPIER ROOM	BUSINESS USE	128 SF	150	1
1931	STAIRS	BUSINESS USE	199 SF	150	2
TAL	LEVEL THREE TOTAL AREA OF SPS		10,857 SF		89

	(AS APPLICABLE)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	
	FIRE EXTINGUISHER	S	PAGING SPEAKER - CEILING MOUNTED	
☐ FEC	FIRE EXTINGUISER CABINET		CAMERA - CEILING MOUNTED	
FD	FIRE DAMPER			
(OS)	OCCUPANCY/VACANCY SENSOR		SUPPLY DIFFUSER	
\otimes	EXIT SIGN - WALL/CEILING MOUNTED		RETURN GRILLE	
	LABEL INFORMATION - LETTER		EXHAUST GRILLE	
	LUMINAIRE INDICATES LUMINAIRE MARK,			
	E' INDICATES EMERGENCY LUMINAIRE			

APPLICABLE CODES & DESIGN STANDARDS:

CODE/REGULATIONS (EDITION AS NOTED):

- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (HTTP://WW.CFM.VA.GOV/TIL).
- ARCHITECTURAL (AUG 2, 2014); ASBESTOS ABATEMENT (JULY 2011); ELECTRICAL (DEC 2019); ESTIMATING (MAR 8 2016); FIRE PROTECTION (DEC 2015); HVAC (MAR-2017, REV 5/1/2019, REV 3/1/2020); INTERIOR DESIGN (MAY 2008); LIGHTING DESIGN (DEC 2015); PHYSICAL SECURITY (JAN 2015); PLUMBING (NOV 2014, REV 5/1/2018); SIGNAGE (OCT 2013) PG-18-14 ROOM FINISH, DOOR HARDWARE SCHEDULE
- PG-18-12 DESIGN GUIDE 285; STERILE PROCESSING SERVICE (OCT 1, 2015)
- PG-18-9 SPACE PLANNING CRITERIA 285; STERILE PROCESSING SERVICE (OCT 2016)
- INTERNATIONAL BUILDING CODE (2018)
- NFPA 101 (2018)
- NFPA 220 STANDARDS ON TYPES OF BUILDING CONSTRUCTION (2018)
- NFPA 241 STADARD FOR SAFEGUARDING CONSTRUCTION (2019)
- ALL APPROPRIATE NFPA (NATIONAL FIRE CODES) WITH THE EXCEPTION OF NFPA 5000 AND NFPA

PROJECT NAME: BUILDING NAME: BUILDING OWNER:

VA NWIHCS OMC CAMPUS - AE CONSTRUCT STERILE PROCESSING SERVICE **BUILDING 25**

DEPARTMENT OF VETERANS AFFAIRS STREET ADDRESS: 4101 WOOLWORTH AVE #4199 OMAHA, NEBRASKA

OCCUPANCY:

PROJECT ADDITION OCCUPANCY PER NFPA 101 IS CHAPTER 38 - NEW BUSINESS OCCUPANCY (IBC 2018 (SECTION 304) - GROUP B OCCUPANCY - BUSINESS). ADDITION IS A TWO-STORY ADDITION DESIGNED TO BE INSTALLED ON TOP OF A ONE-STORY PORTION OF A MULTI-STORY FACILITY.

- EXISTING FACILITY IS A MULTIPLE OCCUPANCY FACIITY THAT IS PRIMARILY SEPARATED USE, WITH THE 10TH FLOOR BEING A MIXED USE OCCUPANCY. ALL FLOORS EXCEPT THE 1ST AND 10TH ARE SINGLE OCCUPANCY. FLOORS 2 AND 4 THROUGH 7 ARE HEALTH CARE OCCUPANCY. THE BASEMENT AND FLOORS 3, 9, 11 AND 12 ARE BUSINESS OCCUPANCY. THE FIRST LEVEL IS A SEPARATED OCCUPANCY WHICH IS PART AMBULATORY HEALTH CARE AND PART BUSINESS WHICH IS SEPARATED BY A 1-HOUR RATED CONSTRUCTION. THE 10TH FLOOR IS A MIXED OCCUPANCY WHICH IS PART HEALTH CARE, PART LARGE RESIDENTIAL BOARD AND CARE OCCUPANCY. ALL DESIGNATIONS PER NFPA 101. ONE-STORY PORTION OF EXISTING FACILITY THAT THIS PROJECT WILL BE PLACED ON TOP OF IS CURRENTLY PART BUSINESS OCCUPANCY AND PART AMBULATORY HEALTH CARE. MULTI-STORY PORTION OF BUILDING THAT THIS PROJECT SHALL BUTT UP AGAINST IS CURRENTLY A HEALTH CARE OCCUPANCY ON THE SECOND LEVEL AND BUSINESS OCCUPANCY ON THE THIRD LEVEL. NO RATED SEPARATION IS REQUIRED ON THE THIRD LEVEL, WHICH IS CURRENTLY A BUSINESS OCCUPANCY AND THIS PROJECT WILL MERELY EXTEND THAT OCCUPANCY. A 2-HOUR FIRE SMOKE BARRIER WILL BE REQUIRED WHERE THE INTERSTITIAL SPACE CONNECTS TO THE EXISTING STRUCTURE ON THE SECOND FLOOR TO MEET THE VA DESIGN GUIDELINE REQUIREMENTS FOR AN INTERSTITIAL SPACE. ONE NEW STAIR TOWER WILL BE PROVIDED AND WILL REQUIRE A 2-HOUR RATED
- 2. TYPE OF CONSTRUCTION (SECTION 602.5) TYPE 1B; NFPA 101, TYPE II (222).
- 3. ALLOWABLE FLOOR AREA (SECTIONS 504 & 506, TABLE 506): 44,000 SQ. FT. ON THE SECOND FLOOR (I2 OCCUPANCY PER THE IBC) AND 92,000 SQ. FT. ON THE THIRD FLOOR (B OCCUPANCY PER THE IBC). ACTUAL FLOOR AREA OF THE SPS IS APPROXIMATELY 11,872 GSF (INTERNAL DIMENSIONS) WHICH BRINGS THE TOTAL LEVEL THREE FLOOR AREA TO 50,602 GSF OF 'B' OCCUPANCY. THE ACTUAL FLOOR AREA OF THE INTERSTITIAL SPACE IS APPROXIMATELY 11,430 GSF (INTERNAL DIMENSIONS). THE TOTAL FLOOR AREA, WITH THE ADDITION OF THE INTERSTITIAL SPACE IS 72,174 GSF. THE INTERSTITIAL SPACE SHALL BE SEPARATED FROM THE REMAINDER OF THIS FLOOR WITH A TWO HOUR FIRE SMOKE BARRIER; THEREFORE, ALLOWABLE SQUARE FOOTAGE SHALL REMAIN IN COMPLIANCE WITH IBC
- AN INTERSTITIAL SPACE IS BEING CREATED BELOW THE SPS AND IS SHOWN AS LEVEL TWO ON THE PLANS. PER THE VA FIRE PROTECTION MANUAL, THE FLOOR OF THIS SPACE MUST HAVE A 2-HOUR FIRE RATING. THE VERTICAL WALL SEPARATING THIS SPACE FROM THE FUNCTIONAL SPACE SHALL HAVE A 2-HOUR FIRE RATING; HOWEVER, THIS IS TO BE A SEPARATE SMOKE ZONE SO THE BARRIER SEPARATING THE INTERSTITIAL SPACE FROM THE EXISTING MULTI-STORY STRUCTURE SHALL BE A 2-HOUR SMOKE BARRIER. ALL COLUMNS, GIRDERS, AND TRUSSES WITHIN THE INTERSTITIAL SPACE SHALL HAVE A MINIMUM 2-HOUR FIRE RATING.
- PROTECT HORIZONTAL AND VERTICAL PENETRATIONS (DUCTS, CABLES, PIPES, ETC.) OF ALL RATED WALLS AND FLOORS WITH THROUGH PENETRATION PROTECTION SYSTEMS.
- FIRE ALARM PULL STATIONS WILL BE PROVIDED AT EXIT DOORS FROM INTERSTITIAL SPACES AND PROPER NOTIFICATION WILL BE PROVIDED WITHIN THE INTERSTITIAL SPACE. LIKEWISE, FIRE ALARM PULL STATIONS WILL BE PROVIDED AT THE NEW EGRESS FROM THE SPS ON THE THIRD FLOOR AND PROPER NOTIFICATION DEVICES WILL BE PROVIDED THROUGHOUT THE SPS IN ACCORDANCE WITH NFPA 72 GUIDELINES (CURRENT EDITION).
- EXIT SIGNS WILL BE PROVIDED BY THE EXIT DOOR AND AT OTHER LOCATIONS TO PROVIDE CLEAR DIRECTION TOWARD THE EXITS FROM THE INTERSTITIAL SPACE AND FROM THE SPS SPACE.
- EMERGENCY LIGHTING WILL BE PROVIDED WITHIN THE INTERSTITIAL SPACE AND THE SPS.
- SPRINKLER PROTECTION WILL BE PROVIDED WITHIN THE INTERSTITIAL SPACE AND THROUGHOUT THE SPS THIRD
- FIRE RESISTANCE OF EXTERIOR WALLS (SECTION 602.1, TABLE 602) NO RATING REQUIRED EXCEPT FOR THE NEW STAIR TOWER WHICH SHALL CARRY A 2-HOUR FIRE RATING.
- 11. ALLOWABLE HEIGHT FOR EXISTING BUILDING OCCUPANCY IS 5 STORIES. CURRENTLY, STRUCTURE IS 1 STORY IN HEIGHT. ALLOWABLE CONSTRUCTION FOR NEW OCCUPANCY IS 12 STORIES. PROJECT IS ADDING TWO STORIES TO
- 12. OCCUPANT LOAD FOR THE 3RD FLOOR SPS ADDITION IS 88. OCCUPANT LEVEL FOR THE INTERSTITIAL SPACE IS ZERO. BASED ON OCCUPANT LOAD. TO EXITS ARE REQUIRED FOR EACH LEVEL OF THE PROJECT. ONE STAIR TOWER IS EXISTING AND ADJACENT TO THIS PROJECT ADDITION. THE SECOND STAIR TOWER IS BEING CREATED BY EXTENDING AN EXISTING STAIR TOWER UP TO THIS LEVEL TO PROVIDE THE REQUIRED SECOND EGRESS PATH.
- 13. REQUIRED DOOR LEAF WIDTH MINIMUM IS 32" FOR ALL DOORS IN THE PROJECT THAT ARE IN A PATH OF EGRESS.
- 14. BUILDING IS CURRENTLY FULLY SPRINKLERED IN BOTH AN AUTOMATIC SPRINKLER SYSTEM AND AN AUTOMATIC STANDPIPE SYSTEM AND WILL REMAIN SO UPON COMPLETION OF PROJECT. A NEW SMOKE ZONE SHALL BE CREATED FOR THE CURRENT PROJECT BY EXTENDING THE EXISTING SYSTEM TO PROTECT THE NEW SPACE AND PROVIDING A SMOKE SEPARATION AND A NEW ZONE CONTROL PRIOR TO PROVIDING THE SPRINKLERS TO THE SPACE ON BOTH THE INTERSTITIAL LEVEL AND THE SPS LEVEL.
- LARGE INTERSTITIAL SPACE ALSO SERVES AS A MECHANICAL ROOM; HOWEVER, IT IS BEING DESIGNED AND TREATED AS AN INTERSTITIAL SPACE. WERE IT TO BE CONSIDERED A MECHANICAL SPACE, THE NOMINAL

OCCUPANT LOAD BASED ON THAT USE WOULD BE 500 SF/PERSON, WHICH EQUATES TO 22 PEOPLE.

- 16. SMOKE EXHAUST SYSTEM IS NOT REQUIRED.
- 17. PORTABLE FIRE EXTINGUISHERS. CABINETS WITH EXTINGUISHERS WILL BE PROVIDED.

THE TOP OF THE EXISTING ONE STORY STRUCTURE WITH A BASEMENT.

- EMERGENCY LIGHTING AND POWER SYSTEMS: WILL BE PROVIDED IN THE MEANS OF EGRESS. ILLUMINATED EXIT SIGNS WITH 90 MINUTE EMERGENCY POWER BACKUP POWER WILL BE PROVIDED.
- AN EMERGENCY DELUGE SHOWER SHALL BE PROVIDED IN THE DECONTAMINATION AREA.
- THE MEANS OF EGRESS SHALL REMAIN CLEAR AND FREE OF DEBRIS DURING DEMOLITION AND CONSTRUCTION. THE EXIT, EXIT ACCESS, AND EXIT DISCHARGE SHALL BE ACCESSIBLE TO ALL OCCUPANTS AT ALL TIMES.
- 21. ALL EXITS, TEMPORARY OR PERMANENT, SHALL BE MARKED WITH THE APPROPRIATE ILLUMINATED DIRECTIONAL EXIT SIGN AND BE CLEARLY IDENTIFIABLE IN ALL EXIT PASSAGEWAYS. PHOTOLUMINESCENCE EXIT SIGNS SHALL
- PASSAGEWAYS OR DOORS THAT DO NOT SERVE, OR CONNECT TO AN EXIT PASSAGEWAY SHALL BE CLEARLY MARKED WITH A "NO EXIT" SIGN.

BID DOCUMENTS

COMPLIANCY REVIEW INCLUDED 2/23/2024

Date

Revisions:

VA FORM 08-6231

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16.2330.A08

Drawing Title Project Number 16.2330.A08 Design/Construct Sterile Processing Service- Omaha VA CODE PLAN **Building Number** Medical Center Approved: Project Director Location 4101 Woolworth Ave #4199 **Drawing Number** Omaha, Ne 68105 Omaha VA Medical Center G-101 Checked 11/23/2020 DGK

Office of Construction and Facilities Management



