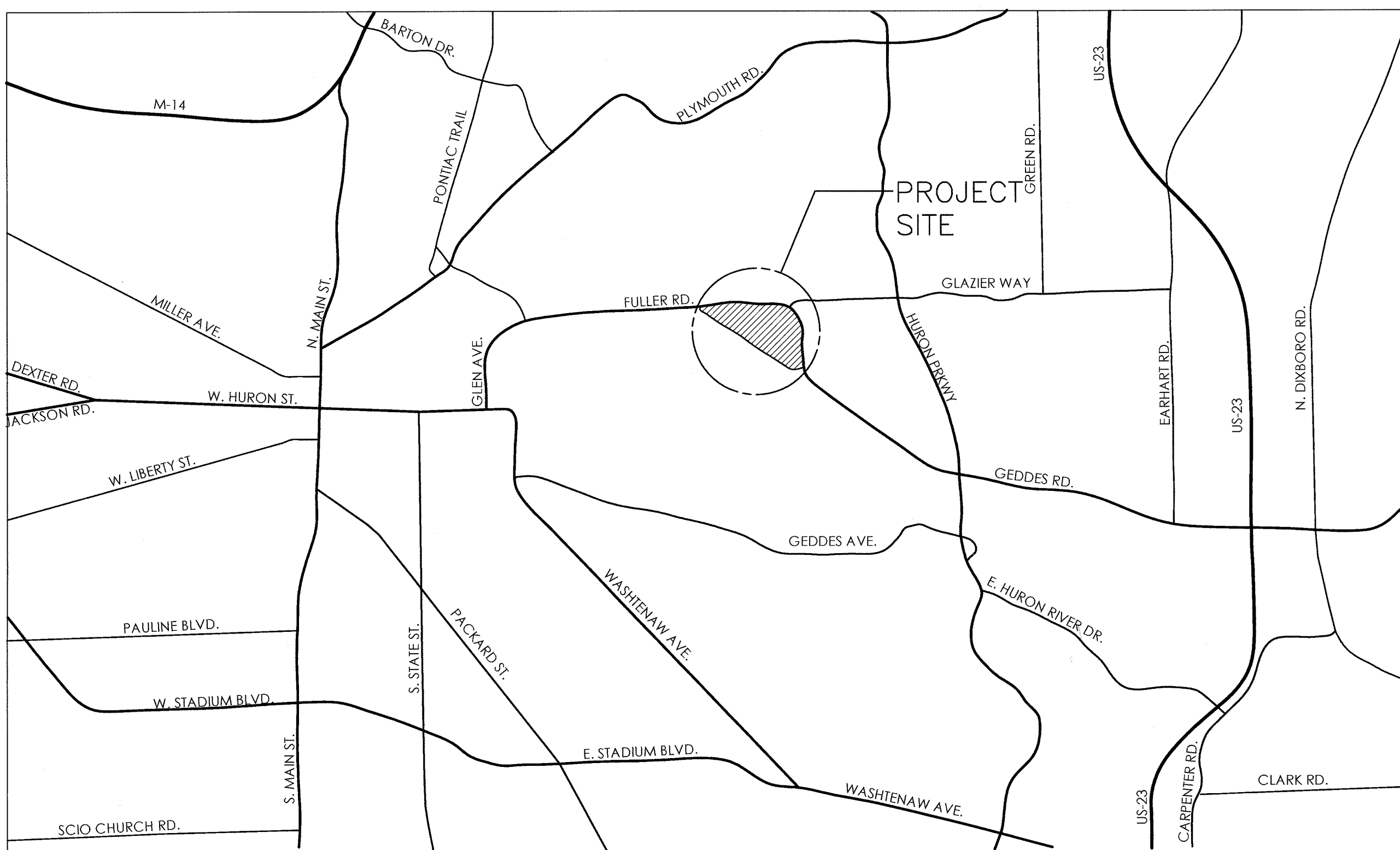


VA MEDICAL CENTER

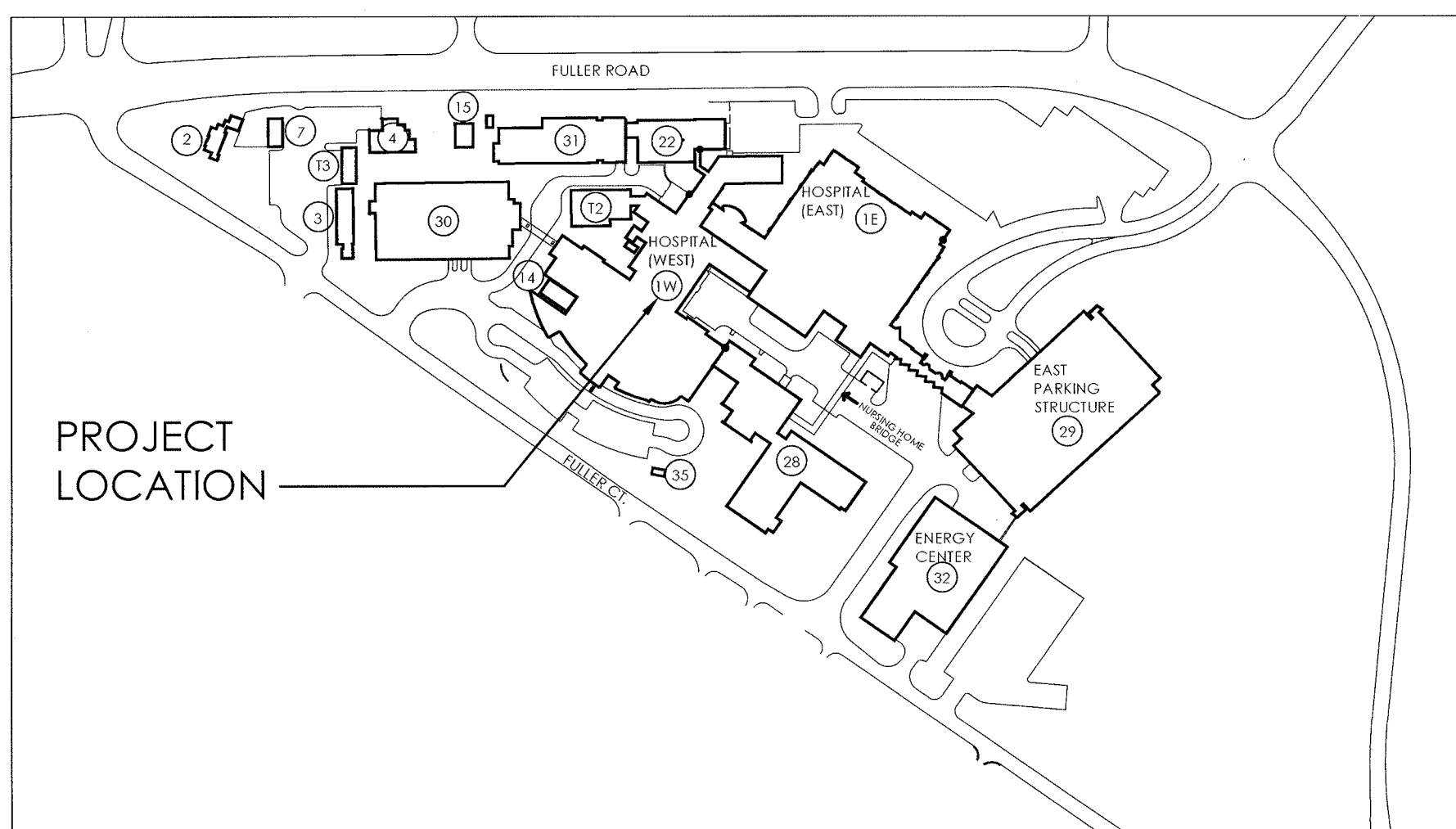
BUILD-OUT CLINICS IN PRIOR ER/URGENT CARE

ANN ARBOR, MICHIGAN

VA PROJECT NUMBER : 506-327



LOCATION MAP:
ANN ARBOR VA MEDICAL CENTER
2215 FULLER ROAD
ANN ARBOR, MI 48105



SITE MAP:
ANN ARBOR VA MEDICAL CENTER
BUILDING 1 WEST

VA FACILITY MANAGER
APPROVED: *[Signature]*

GENERAL SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
G001	COVER AND SHEET INDEX	X	X	X
G002	CODE COMPLIANCE INFORMATION	X	X	X
G003	BASEMENT CODE COMPLIANCE PLAN	X	X	X
G004	FIRST FLOOR CODE COMPLIANCE PLAN	X	X	X
G005	SECOND FLOOR CODE COMPLIANCE PLAN	X	X	X
G006	THROUGH PENETRATION FIRESTOP SYSTEMS	X	X	X
G007	PHASING PLAN	X		

CIVIL SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
C0101	EXISTING CONDITIONS	X	X	X
CD101	SITE REMOVALS	X	X	X
CU101	SITE AND UTILITY PLAN	X	X	X
CG101	GRADING AND SOIL EROSION CONTROL PLAN	X	X	X
CS001	CIVIL SITE DETAILS	X	X	X

LANDSCAPING SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
L100	PLANTING PLAN	X	X	X

STRUCTURAL SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
SN001	STRUCTURAL ABBREVIATIONS AND SYMBOLS	X	X	X
SN002	GENERAL NOTES & DESIGN CRITERIA	X	X	X
SB101	FOUNDATION PLAN	X	X	X
SF101	FIRST FLOOR FRAMING PLAN	X	X	X
SF102	SECOND FLOOR FRAMING PLAN	X	X	X
SF103	THIRD FLOOR FRAMING PLAN	X	X	X
SB501	FOUNDATION & AUGER-CAST PILE CAP SCHEDULE	X	X	X
SB502	FOUNDATION DETAILS	X	X	X
SF501	FRAMING DETAILS	X	X	X
SF502	FRAMING DETAILS	X	X	X
SF601	COLUMN KEY PLAN, SCHEDULE, & DETAILS	X	X	X

ARCHITECTURAL SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
AE001	ARCHITECTURAL ABBREVIATIONS AND SYMBOLS	X	X	X
AE100	COMPOSITE BASEMENT PLAN	X	X	X
AE101	COMPOSITE FIRST FLOOR PLAN	X	X	X
AE102	COMPOSITE SECOND FLOOR PLAN	X	X	X
AE103	COMPOSITE THIRD FLOOR ROOF PLAN	X	X	X
AD100W	BASEMENT DEMOLITION PLAN - WEST	X	X	X
AD101W	FIRST FLOOR DEMOLITION PLAN - WEST	X	X	X
AD101N	FIRST FLOOR DEMOLITION PLAN - NORTH	X	X	X
AD102W	SECOND FLOOR DEMOLITION PLAN - WEST	X	X	X
AD102N	SECOND FLOOR DEMOLITION PLAN - NORTH	X	X	X
AE100W	BASEMENT FLOOR PLAN - WEST	X	X	X
AE101W	FIRST FLOOR PLAN - WEST	X	X	X
AE102W	SECOND FLOOR PLAN - WEST	X	X	X
AE102N	SECOND FLOOR PLAN - NORTH	X	X	X
AE103W	THIRD FLOOR / ROOF PLAN - WEST	X	X	X
AE110W	BASEMENT PARTITION PLAN - WEST	X	X	X
AE111W	FIRST FLOOR PARTITION PLAN - WEST	X	X	X
AE112W	SECOND FLOOR PARTITION PLAN - WEST	X	X	X
AE112N	SECOND FLOOR PARTITION PLAN - NORTH	X	X	X
AE120W	BASEMENT REFLECTED CEILING PLAN - WEST	X	X	X
AE121W	FIRST FLOOR REFLECTED CEILING PLAN - WEST	X	X	X
AE121N	FIRST FLOOR REFLECTED CEILING PLAN - NORTH	X	X	X
AE122W	SECOND FLOOR REFLECTED CEILING PLAN - WEST	X	X	X
AE122N	SECOND FLOOR REFLECTED CEILING PLAN - NORTH	X	X	X
AE200	EXTERIOR ELEVATIONS AND BUILDING SECTION	X	X	X
AE400	INTERIOR ELEVATIONS	X	X	X
AE401	ENLARGED PLANS AND INTERIOR ELEVATIONS	X	X	X
AE500	SLAB DETAILS	X	X	X
AE501	EXTERIOR DETAILS	X	X	X
AE505	ROOF DETAILS	X	X	X
AE510	PARTITION TYPES AND INTERIOR DETAILS	X	X	X
AE511	INTERIOR DETAILS	X	X	X
AE600	DOOR AND OPENING SCHEDULE AND DETAILS	X	X	X

INTERIOR SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
IN100W	BASEMENT INTERIOR FINISHES PLAN - WEST	X	X	X
IN101W	FIRST FLOOR INTERIOR FINISHES PLAN - WEST	X	X	X
IN102W	SECOND FLOOR INTERIOR FINISHES PLAN - WEST	X	X	X
IN102N	SECOND FLOOR INTERIOR FINISHES PLAN - NORTH	X	X	X
IN600	FINISH DESIGNATIONS	X	X	X
IN601	ROOM FINISH AND COLOR SCHEDULE	X	X	X

MECHANICAL SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
FP100W	BASEMENT FLOOR FIRE PROTECTION PLAN - WEST	X	X	X
FP101W	FIRST FLOOR FIRE PROTECTION PLAN - WEST	X	X	X
FP102W	SECOND FLOOR FIRE PROTECTION PLAN - WEST	X	X	X
FP102N	SECOND FLOOR FIRE PROTECTION PLAN - NORTH	X	X	X
PL100W	UNDERGROUND PLUMBING PLAN - WEST	X	X	X
PL100W	BASEMENT FLOOR PLUMBING PLAN - WEST	X	X	X
PL101W	FIRST FLOOR PLUMBING PLAN - WEST	X	X	X
PL101N	FIRST FLOOR PLUMBING PLAN - NORTH	X	X	X
PL102W	SECOND FLOOR PLUMBING PLAN - WEST	X	X	X
PL102N	SECOND FLOOR PLUMBING PLAN - NORTH	X	X	X
PL401	PLUMBING PART PLAN	X	X	X
P-501	PLUMBING DETAILS	X	X	X
M-001	MECHANICAL ABBREVIATIONS AND GENERAL NOTES	X	X	X
M-002	MECHANICAL SYMBOLS	X	X	X
MD100W	BASEMENT FLOOR HVAC DEMOLITION PLAN - WEST	X	X	X
MD101W	FIRST FLOOR HVAC DEMOLITION PLAN - WEST	X	X	X
MD102W	SECOND FLOOR HVAC DEMOLITION PLAN - WEST	X	X	X
MD102N	SECOND FLOOR HVAC DEMOLITION PLAN - NORTH	X	X	X
MH100W	BASEMENT FLOOR HVAC COMPOSITE PLAN - WEST	X	X	X
MH100Wg	BASEMENT FLOOR HVAC PLAN - WEST, UNIT A	X	X	X
MH100Wb	BASEMENT FLOOR HVAC PLAN - WEST, UNIT B	X	X	X
MH101Wg	FIRST FLOOR HVAC PLAN - WEST, UNIT A	X	X	X
MH101Wb	FIRST FLOOR HVAC PLAN - WEST, UNIT B	X	X	X
MH102Wg	SECOND FLOOR HVAC COMPOSITE PLAN - WEST	X	X	X
MH102Wg	SECOND FLOOR HVAC PLAN - WEST, UNIT A	X	X	X
MH102Wb	SECOND FLOOR HVAC PLAN - WEST, UNIT B	X	X	X
MH102N	SECOND FLOOR HVAC PLAN - NORTH	X	X	X
MH103W	THIRD FLOOR AND ROOF HVAC PLAN - WEST	X	X	X
MP100W	BASEMENT FLOOR MECHANICAL PIPING PLAN - WEST	X	X	X
MP101W	FIRST FLOOR MECHANICAL PIPING PLAN - WEST	X	X	X
MP101N	FIRST FLOOR MECHANICAL PIPING PLAN - NORTH	X	X	X
MP102W	SECOND FLOOR MECHANICAL PIPING PLAN - WEST	X	X	X
MP102N	SECOND FLOOR MECHANICAL PIPING PLAN - NORTH	X	X	X
M-501	MECHANICAL DETAILS	X	X	X
M-502	MECHANICAL DETAILS	X	X	X
M-601	CONTROLS	X	X	X
ME-601	MECHANICAL ELECTRICAL SCHEDULES	X	X	X
ME-602	MECHANICAL ELECTRICAL SCHEDULES	X	X	X

ELECTRICAL SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
E-001	ELECTRICAL DRAWING INDEX, MOUNTING HEIGHTS, AND GENERAL NOTES	X	X	X
E-002	ELECTRICAL ABBREVIATIONS AND SYMBOLS	X	X	X
E-101N	PARTIAL FIRST FLOOR DEMOLITION, LIGHTING, AND COMMUNICATION PLANS	X	X	X
E-400	ENLARGED ELECTRICAL PLANS - EXISTING BASEMENT ELECTRICAL ROOMS	X	X	X
E-401	ENLARGED ELECTRICAL PLANS - EXISTING FIRST FLOOR ELECTRICAL ROOMS	X	X	X
E-402	ENLARGED ELECTRICAL PLANS - EXISTING SECOND FLOOR ELECTRICAL ROOMS	X	X	X

ES400	ENLARGED ELECTRICAL SITE PLAN - DEMOLITION	X	X	X
ES401	ENLARGED ELECTRICAL SITE PLAN - OPTION 1	X	X	X
ES403	ELECTRICAL SITE INTERCONNECTION DIAGRAM - DEMOLITION	X	X	X
ES404	ELECTRICAL SITE INTERCONNECTION DIAGRAM - ELECTRICAL	X	X	X
ES410	COMMUNICATION SITE CABLEING - DEMOLITION	X	X	X
ES411	COMMUNICATION SITE CABLEING - NEW CABLE INSTALL	X	X	X
ES501	SITE DETAILS	X	X	X
EL100W	BASEMENT LIGHTING PLAN - WEST	X	X	X
EL101W	FIRST FLOOR LIGHTING PLAN - WEST	X	X	X
EL102W	SECOND FLOOR LIGHTING PLAN - WEST	X	X	X
EL102N	SECOND FLOOR LIGHTING PLAN - NORTH	X	X	X
EL501	LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATION	X	X	X
EL502	LIGHTING CONTROL DETAILS	X	X	X
EL601	LIGHTING FIXTURE SCHEDULE	X	X	X
EL602	LIGHTING FIXTURE SCHEDULE	X	X	X
EL603	LIGHTING FIXTURE SCHEDULE	X	X	X
EL604	SPACE ILLUMINANCE CATEGORIES SCHEDULE	X	X	X
EL605	ENERGY CALCULATION	X	X	X
EL700W	BASEMENT NORMAL PHOTOMETRIC CALCULATIONS AND STATISTICS - WEST	X	X	X
EL701W	FIRST FLOOR NORMAL PHOTOMETRIC CALCULATIONS AND STATISTICS - WEST	X	X	X
EL702W	SECOND FLOOR NORMAL PHOTOMETRIC CALCULATIONS AND STATISTICS - WEST	X	X	X
EL702N	SECOND FLOOR NORMAL PHOTOMETRIC CALCULATIONS AND STATISTICS - NORTH	X	X	X
EL800W	BASEMENT EGRESS PHOTOMETRIC CALCULATIONS AND STATISTICS - WEST	X	X	X
EL801W	FIRST FLOOR EGRESS PHOTOMETRIC CALCULATIONS AND STATISTICS - WEST	X	X	X
EL802W	SECOND FLOOR EGRESS PHOTOMETRIC CALCULATIONS AND STATISTICS - WEST	X	X	X
EL802N	SECOND FLOOR EGRESS PHOTOMETRIC CALCULATIONS AND STATISTICS - NORTH	X	X	X
EG100W	UNDERGROUND GROUNDING PLAN - WEST	X	X	X
EP100W	BASEMENT POWER PLAN - WEST	X	X	X
EP101W	FIRST FLOOR POWER PLAN - WEST	X	X	X
EP102W	SECOND FLOOR POWER PLAN - WEST	X	X	X
EP102N	SECOND FLOOR POWER PLAN - NORTH	X	X	X
EP103W	THIRD FLOOR AND ROOF POWER PLAN - WEST	X	X	X
EP104W	FOURTH FLOOR POWER PLAN - WEST	X	X	X
EP501	POWER DETAILS	X	X	X
EP502	POWER DETAILS	X	X	X
EP601	ONE-LINE DIAGRAM - 13.2 KILOVOLT PRIMARY	X	X	X
EP602	ONE-LINE DIAGRAM - 4800 VOLT PRIMARY	X	X	X
MP100W	BASEMENT FLOOR MECHANICAL PIPING PLAN - WEST	X	X	X
MP101W	FIRST FLOOR MECHANICAL PIPING PLAN - WEST	X	X	X
EP603	ONE-LINE DIAGRAM - SUBSTATION 1	X	X	X
EP604	ONE-LINE DIAGRAM - SUBSTATION 2	X	X	X
EP605	ONE-LINE DIAGRAM - SUBSTATION 3	X	X	X
EP606	ONE-LINE DIAGRAM - SUBSTATION 4	X	X	X
EP607	ONE-LINE DIAGRAM - SUBSTATION 5	X	X	X
EP608	ONE-LINE DIAGRAM - SUBSTATION 6	X	X	X
EP609	ONE-LINE DIAGRAM - EMERGENCY PARALLELING SWITCHBOARD	X	X	X
EP610A	PANEL SCHEDULES - NORMAL POWER - BASEMENT	X	X	X
EP610B	PANEL SCHEDULES - EMERGENCY POWER - BASEMENT	X	X	X
EP610C	PANEL SCHEDULES - NORMAL AND EMERGENCY POWER - BASEMENT	X	X	X
EP611A	PANEL SCHEDULES - NORMAL POWER - FIRST FLOOR	X	X	X
EP611B	PANEL SCHEDULES - EMERGENCY POWER - FIRST FLOOR	X	X	X
EP611C	PANEL SCHEDULES - NORMAL AND EMERGENCY POWER - FIRST FLOOR	X	X	X
EP612A	PANEL SCHEDULES - NORMAL POWER - SECOND FLOOR	X	X	X
EP612B	PANEL SCHEDULES - EMERGENCY POWER - SECOND FLOOR	X	X	X
EP612C	PANEL SCHEDULES - NORMAL AND EMERGENCY POWER - SECOND FLOOR	X	X	X
EC100W	BASEMENT COMMUNICATIONS PLAN - WEST	X	X	X
EC101W	FIRST FLOOR COMMUNICATIONS PLAN - WEST	X	X	X
EC102W	SECOND FLOOR COMMUNICATIONS PLAN - WEST	X	X	X
EC102N	SECOND FLOOR COMMUNICATIONS PLAN - NORTH	X	X	X
EC501	COMMUNICATIONS DETAILS	X	X	X
EC502	COMMUNICATIONS DETAILS	X	X	X
EC503	COMMUNICATIONS DETAILS - MANHOLE S8	X	X	X
EC504	COMMUNICATIONS DETAILS - MANHOLE S10	X	X	X
EC505	COMMUNICATIONS DETAILS - MANHOLE S15	X	X	X
EC506	COMMUNICATIONS DETAILS - ROOM AB23	X	X	X
EC507	COMMUNICATIONS DETAILS - ROOM AB23	X	X	X
EC508	COMMUNICATIONS DETAILS - ROOM AB23	X	X	X
EC601	COMMUNICATION SYSTEMS RISER DIAGRAMS - NURSE CALL	X	X	X
EC602	COMMUNICATION SYSTEMS RISER DIAGRAMS - MUSIC PAGING	X	X	X
EC603	COMMUNICATION SYSTEMS RISER DIAGRAMS - INTERCOM AND SECURITY	X	X	X
EC604	COMMUNICATION SYSTEMS RISER DIAGRAMS - FIRE ALARM	X	X	X
ED100W-L	BASEMENT LIGHTING DEMOLITION PLAN - WEST	X	X	X
ED100W-P	BASEMENT POWER DEMOLITION PLAN - WEST	X	X	X
ED100W-C	BASEMENT COMMUNICATIONS DEMOLITION PLAN - WEST	X	X	X
ED101W-L	FIRST FLOOR LIGHTING DEMOLITION PLAN - WEST	X	X	X
ED101W-P	FIRST FLOOR POWER DEMOLITION PLAN - WEST	X	X	X
ED101W-C	FIRST FLOOR COMMUNICATIONS DEMOLITION PLAN - WEST	X	X	X
ED102W-L	SECOND FLOOR LIGHTING DEMOLITION PLAN - WEST	X	X	X
ED102W-P	SECOND FLOOR POWER DEMOLITION PLAN - WEST	X	X	X
ED102W-C	SECOND FLOOR COMMUNICATIONS DEMOLITION PLAN - WEST	X	X	X
ED102N-L	SECOND FLOOR LIGHTING DEMOLITION PLAN - NORTH	X	X	X
ED102N-P	SECOND FLOOR POWER DEMOLITION PLAN - NORTH	X	X	X
ED102N-C	SECOND FLOOR COMMUNICATIONS DEMOLITION PLAN - NORTH	X	X	X

REFERENCE SHEET INDEX		ISSUE HISTORY		
SHEET NO	TITLE	ISSUE 005 04-30-15	ISSUE 004 02-05-15	ISSUE 003 10-21-14
T-1	UNIT 8 FIRST LEVEL REVISED PLUMBING PLAN	X	X	X
T-37	X-RAY SUITE & DETAILS	X	X	X

CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

ISSUE 005 - UPDATE	04-30-15
ISSUE 004 - BID	02-05-15
ISSUE 003 - CD OWNER REVIEW	10-21-14
ISSUE 002 - DD OWNER REVIEW	05-30-14
Revisions	Date

KEY PLAN	
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ARCHITECT/ENGINEERS:

Kahn

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MIDWESTERN CONSULTING

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Drawing Title	COVER AND SHEET DRAWING INDEX
Approved:	K. JAPOWICZ

Project Title	DEPARTMENT OF VETERANS AFFAIRS BUILD OUT CLINICS
Location	ANN ARBOR, MICHIGAN
Date	02-05-15
Checked	ZAT
Drawn	RPH

Project Number	506-327
Building Number	1-W
Drawing Number	G1001
Dwg. 1 of 189	

Office of Construction and Facilities Management
Department of Veterans Affairs

A
three inches = one foot
B
one and one half inches = one foot
C
one inch = one foot
D
three quarters inch = one foot
E
one half inch = one foot
F
three eighths inch = one foot
G
one quarter inch = one foot
H
one eighth inch = one foot

BUILDING PERMIT & CODE CRITERIA WORKSHEETS	
INTERIOR FINISHES:	
CODE/ REGULATION ITEMS	NFPA LIFE SAFETY CODE 101, 2012
EXIT ENCLOSURES AND EXIT PASSAGEWAYS:	A OR B, CLASS I OR II TABLE A10.2.2, SECTION 38.3.3.2.1 CLASS C allowed for fully sprinklered bldg
CORRIDORS:	A OR B, CLASS I OR II TABLE A10.2.2, SECTION 38.3.3.2.1 CLASS C allowed for fully sprinklered bldg
ROOMS AND ENCLOSED SPACES:	A, B OR C, NA TABLE A10.2.2, SECTION 38.3.3.2.1
INTERIOR FLOOR FINISH REQUIREMENTS:	SECTION 38.3.3.1, SECTION 10.2 SLIP RESISTANT FLOORS IN MEANS OF EGRESS (7.1.6.4)

BUILDING PERMIT & CODE CRITERIA WORKSHEETS	
MEANS OF EGRESS:	
EGRESS REQUIREMENTS	
CODE/ REGULATION ITEMS	NFPA LIFE SAFETY CODE 101, 2012
AREAS OF REFUGE: MINIMUM STAIRWAY WIDTH:	- 36" MINIMUM FOR TOTAL OCCUPANT LOAD < 50 (7.2.2.1.2), - 44" MINIMUM FOR TOTAL OCCUPANT LOAD < 2000 (TABLE 7.2.2.1.2(B)), - 56" MINIMUM FOR TOTAL OCCUPANT LOAD = >2000 (TABLE 7.2.2.1.2(B)), MEASURED AT EACH FLOOR LANDING; - AND PER PARAGRAPH 7.2.2.2.1 <i>Note that the stair width requirement is based on accumulating the occupant load on each story the stair serves</i>
STAIR DIMENSIONS - TREAD/RISER:	NEW STAIRS - TABLE 7.2.2.1.1(a) - TREAD DEPTH: 11" MINIMUM - RISER HEIGHT: 7" MAXIMUM; 4" MINIMUM
STAIR LANDINGS:	WIDTH: NOT LESS THAN THE STAIRS THEY SERVE; NEED NOT EXCEED 48" FOR STRAIGHT RUN (section 7.2.2.3.2); DOOR SWINGS SHALL NOT REDUCE LANDING TO LESS THAN 1/2 REQD WIDTH; HANDRAILS SHALL NOT PROJECT MORE THAN 7 INCHES INTO A LANDING (SECTION 7.2.1.4.3.1)
HANDRAIL DIMENSIONS:	34"-38" HIGH (SECTION 7.2.2.4.4); MIN DIAMETER = 1.25", MAX DIAMETER = 2" (SECTION 7.2.2.4.4.6); CLEARANCE TO FACE OF WALL NOT < 2.25" (SECTION 7.2.2.4.4.5); - EXTEND MIN 12" BEYOND TOP RISER AND SLOPE FOR ONE TREAD DEPTH BEYOND BOTTOM RISER (SECTION A.7.2.2.4.4); - MUST RETURN TO WALL OR POST (A.7.2.2.4.4)
GUARDRAIL DIMENSIONS:	42" HIGH FROM TOP TO SURFACE ADJACENT (SECTION 7.2.2.4.5.2); 4" MAX DIA SPHERE NOT TO PASS THRU OPENINGS IN RAIL UP TO 34" HIGH, 6" MAX DIA SPHERE WHERE TREAD AND RISER MEET BOTTOM OF RAIL (7.2.2.4.5.3)
EGRESS THROUGH INTERVENING SPACES:	EGRESS TO EXIT ACCESS ONLY THROUGH ACCESSORY SPACES; - NOT THRU SPACES IDENTIFIED UNDER "PROTECTION FROM HAZARDS" IN SECTION 38.3.2; - NOT THRU KITCHENS, STORAGE, CLOSETS, RESTROOMS, WORKROOMS, BEDROOMS; - NOT THRU ROOMS THAT CAN BE LOCKED; - PERMITTED THRU FOYERS, LOBBIES, OR RECEPTION ROOMS CONSTRUCTED TO MEET REQMS FOR CORRIDORS (7.5.1.6 AND 7.5.2.1)
MAXIMUM COMMON PATH OF EGRESS TRAVEL:	SHALL NOT EXCEED 100' (38.2.5.3.1)
NUMBER AND ARRANGEMENT OF REQUIRED DOORWAYS:	NOT LESS THAN TWO PER FLOOR (38.2.4.1(2)(3)) NOT LESS THAN ONE-HALF LENGTH OF MAX OVERALL DIAGONAL DIM (7.5.1.3.3)
SPACES WITH 1 MEANS OF EGRESS:	OCCUPANT LOAD < 100 AND COMPLY WITH LISTED CRITERIA 38.2.4.3, SECTION 38.2.4
EXIT ACCESS TRAVEL DISTANCE:	SHALL NOT EXCEED 300' (38.2.6.3)
CORRIDOR WIDTH:	NOT < 44" CLEAR FOR NON-PATIENT USE (38.2.3) SECTION 7.3
DEAD END CORRIDOR:	SHALL NOT EXCEED 50' (38.2.5.2.1)
NUMBER AND ARRANGEMENT OF REQUIRED EXITS:	NOT LESS THAN TWO PER FLOOR (38.2.4.1 (2)(3)) SECTION 38.2.5
HORIZONTAL EXITS:	NOT MORE THAN HALF OF REQUIRED EXITS, SECTION 7.2.4

BUILDING PERMIT & CODE CRITERIA WORKSHEETS		
FIRE RESISTANT CONSTRUCTION:		
FIRE RESISTANCE RATINGS OF SIGNIFICANT STRUCTURAL COMPONENTS - REQUIRED:		
CODE/ REGULATION ITEMS	INTERNATIONAL BUILDING CODE , 2012 (TABLES 601 & 602)	NFPA 101, 2012
CONSTRUCTION TYPE AND CLASSIFICATION:	Type II (222), TABLE A.8.2.1.2 & TABLE 7.4.1 (NFPA 5000)	
NON-BEARING WALLS (EXTERIOR):	0 HRS , TABLE A.8.2.1.2	
BEARING WALLS (EXTERIOR):	2 HRS , TABLE A.8.2.1.2 1 HR (FOR SUPPORTING ROOF)	
BEARING WALLS (INTERIOR):	2 HRS , TABLE A.8.2.1.2, 1 HR (FOR SUPPORTING ROOF)	
COLUMNS:	2 HRS , TABLE A.8.2.1.2, 1 HR (FOR SUPPORTING ROOF)	
FLOOR CONSTRUCTION, INCLUDING BEAMS AND JOISTS:	2 HRS , TABLE A.8.2.1.2	
ROOF CONSTRUCTION, INCLUDING BEAMS AND JOISTS:	1 HR, TABLE A.8.2.1.2	
ROOF CONSTRUCTION/ FUTURE FLOOR:	2 HRS , TABLE A.8.2.1.2	
LOCATIONS OF WALLS WITH FIRE SEPARATION DISTANCE < 30 FEET (TABLE 602, IBC)	1 HOUR	
ALLOWABLE AREA OF (PROTECTED) EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE (TABLE 705.8, IBC):	20' OR GREATER - NO LIMIT =20' OR < 25' - 75% =10' OR < 15' - 45% =5' OR < 10' - 25% =3' OR < 5' - 15% <3' - NOT PERMITTED	
PARAPETS:	REQUIRED, WITH EXCEPTIONS PER SECTION 705.11, IBC	
SHAFT ENCLOSURE RATING:	Refer to fire and smoke separations listing.	
STRUCTURAL SYSTEM SUMMARY		
LOCATION	COLUMNS	FLOOR
13,266 SF ADDITION	STEEL	2", 18 GA. COMPOSITE STEEL DECK ON WIDE FLANGE STEEL BEAMS
EXISTING BUILDING	STEEL	FORMED CONCRETE , BEAMS, RESTRAINED

List fire ratings for different components as presented in the code (i.e., shafts, roof construction, exterior walls, fire walls, smoke barriers, floor construction, tenant separation, etc.). Supply UL design numbers to satisfy those ratings.

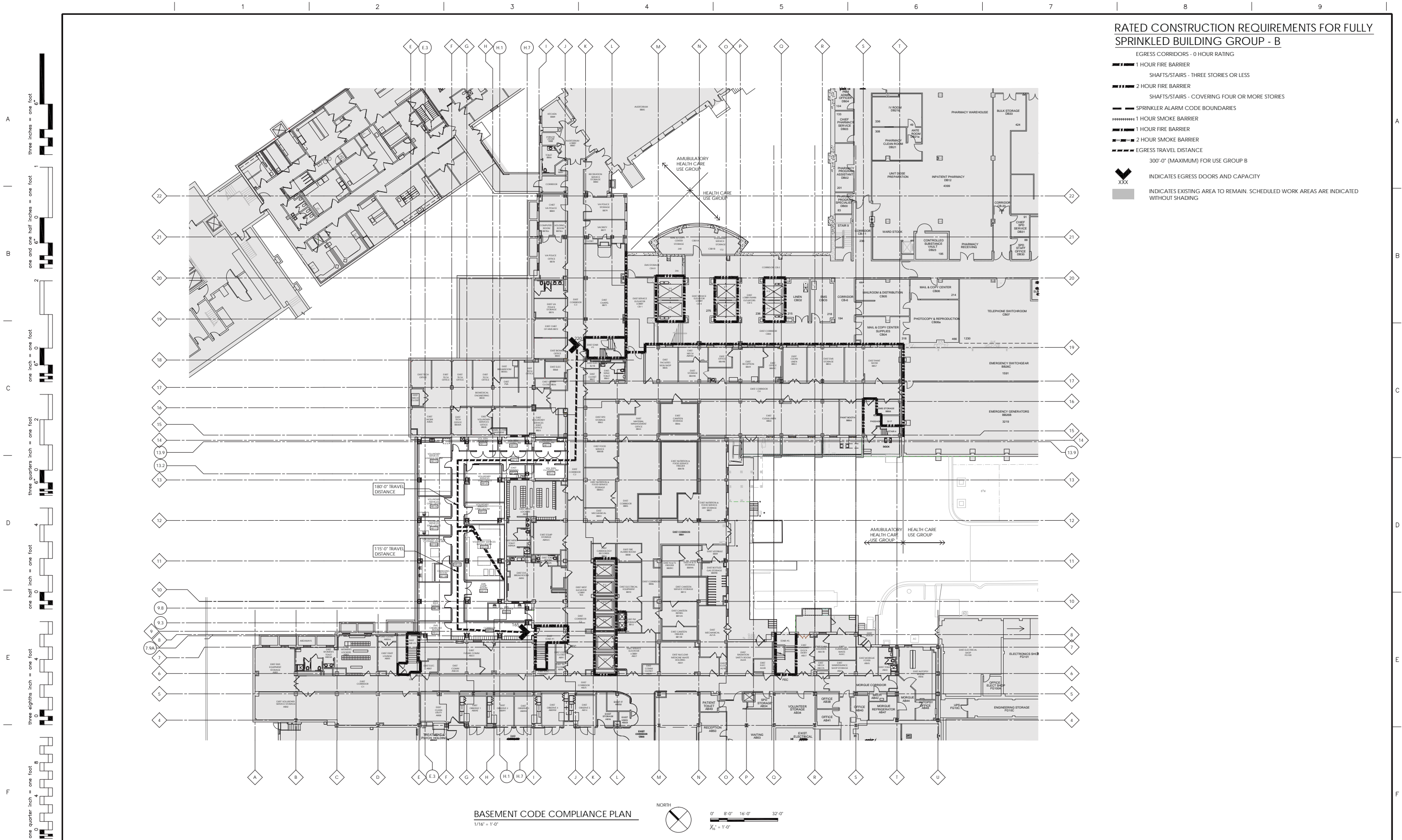
BUILDING PERMIT & CODE CRITERIA WORKSHEETS		
PROTECTION FROM HAZARDS AND FIRE AND SMOKE SEPARATIONS:		
ROOM OR AREA OR BUILDING COMPONENT	INTERNATIONAL BUILDING CODE , 2012	NFPA LIFE SAFETY CODE 101, 2012
BOILER/FURNACE ROOMS (OR OTHER MECHANICAL OR ELECTRICAL EQUIPMENT) ROOMS:	0 HR SECTIONS 38.3.2 AND 8.7	
STORAGE ROOMS (> 100 SF):	0 HR SECTIONS 8.3.2.1 AND 8.7	
ELEC & COMM:	- NON FIRE RATED EXCEPT WHERE ELEC SWITCHGEAR WITH TRANSFORMER REQUIRES 1-HOUR FIRE RATED (450.21B) (NFPA 70, 2011)	
COMMUNICATING SPACE (MINI ATRIUM):	NA	
SHAFTS (INCLUDING ELEVATORS):	THREE STORIES OR LESS: 1 HOUR FIRE BARRIER FOUR OR MORE STORIES 2 HOUR FIRE BARRIER (8.6.5)	
ENCLOSURE OF FLOOR OPENINGS:	THREE STORIES OR LESS 1 HOUR FIRE BARRIER (8.6.5(2))	
CORRIDOR:	WHERE EXIT ACCESS IS PROVIDED BY CORRIDORS, SUCH CORRIDORS SHALL BE SEPARATED BY A 0 HOUR FIRE BARRIER IN ACCORDANCE WITH SECTION 38.3.6.1 (3)	
EXIT CONTINUITY:	CONTINUOUS PROTECTED PATH OF TRAVEL TO EXIT DISCHARGE (7.1.3.2.2)	
STAIRS (VERTICAL EXIT ENCLOSURES):	- THREE STORIES OR LESS: 1 HOUR FIRE BARRIER PER 7.1.3.2.1(1) - FOUR STORIES OR MORE: 2 HOUR FIRE BARRIER PER 7.1.3.2.1(2) (7.1.3.2.1 AND SECTION 8.2)	

BUILDING PERMIT & CODE CRITERIA WORKSHEETS			
PROJECT DATA:			
PROJECT NUMBER:	03192-K0.000	PROJECT:	Build Out Clinics in Prior ER/Urgent Care, B-1W
LOCATION/ ADDRESS:	VA Ann Arbor - Healthcare System 2215 Fuller Road, B-1W Ann Arbor, MI 48105	DESCRIPTION:	Construct addition on the west side of building 1W, also at the west entrance area as well as renovations at the existing ambulance garage and the existing emergency room and urgent care. Additional square footage is approximately 4377 GSF on three floors (basement, first and second) for a total of 13,131 GSF plus 135 sf for First Floor Vestibule. Renovated square footage is approximately 9035 GSF.
CONTACTS:	OWNER:	Department of Veterans Affairs	
	ADDRESS:	2215 Fuller Road Ann Arbor, MI 48105	PHONE: FAX:
	CONTACT NAME:	Darryl Snabes, COR	
	ARCHITECT:	ALBERT KAHN ASSOCIATES, INC.	
	ADDRESS:	ALBERT KAHN BUILDING 7430 SECOND AVENUE DETROIT, MI 48202-2798	PHONE: (313) 202-7000 FAX: (313) 202-7001
	PROJECT MANAGER:	RICHARD WHEDON, RA	PHONE: (313) 202-7845 FAX: (313) 202-7345
	PROJECT ARCHITECT:	ZEBEDEE TOLBERT, AIA, LEED AP BD+C	PHONE: (313) 202-7868 FAX: (313) 202-7368
	INTERIOR DESIGN:	CHRISTINE TRUPIANO, IDA	PHONE: (313) 202-7574 FAX: (313) 202-7074
	STRUCTURAL ENGINEER:	GARY COLLINS, PE, LEED AP	PHONE: (313)202-7678 FAX: (313)202-7252
	MECHANICAL ENGINEER:	JOYCE VANDER WEIDE, PE	PHONE: (313) 202-7713 FAX: (313) 202-7213
	ELECTRICAL ENGINEER:	PETER WROBLEWSKI	PHONE: (313) 202-7869 FAX: (313) 202-7369
	LANDSCAPE ARCHITECT:	STEPHEN WHITE	PHONE: (313) 202-7935 FAX: (313) 202-7435
	CIVIL ENGINEER:		
	ADDRESS:	MIDWESTERN CONSULTING 3815 PLAZA DRIVE ANN ARBOR, MI 48108	PHONE: (734) 995-0200 FAX: (734) 995-0599
AUTHORITY HAVING JURISDICTION:	Ann Arbor - Veterans Affairs Medical Center		
SIGNIFICANT CODES, REGULATIONS AND GUIDELINES:	BUILDING CODE:	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), LIFE SAFETY CODE 101, 2012; INTERNATIONAL BUILDING CODE (IBC), 2012	
	ACCESSIBILITY CODE:	ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (AASAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13)	
	ENERGY CODE:	ENERGY POLICY ACT OF 2005 (EPAct), Energy Independence and Security Act (EISA 2007), Executive Order (EO) 13423, EO 13514	
	ELEVATOR CODE:	"NOT APPLICABLE"	
	MECHANICAL CODE:	2012 INTERNATIONAL MECHANICAL CODE; VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1, 2004; SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15, 2007	
	PLUMBING CODE:	2012 INTERNATIONAL PLUMBING CODE; ASME BOILER AND PRESSURE VESSEL CODE; ASME CODE FOR PRESSURE PIPING	
	ELECTRICAL CODE:	NFPA 70 NATIONAL ELECTRICAL CODE 2011	
	FIRE CODE:	NFPA NATIONAL FIRE CODE 2012 WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900	

BUILDING PERMIT & CODE CRITERIA WORKSHEETS		
GENERAL BUILDING CRITERIA:		
	INTERNATIONAL BUILDING CODE , 2012	NFPA LIFE SAFETY CODE 101, 2012
OCCUPANCY:	BUSINESS, CHAPTER 38	
CONSTRUCTION TYPE:	Type II (222) (TABLE A.8.2.1.2), (TABLE 7.4.1, NFPA 5000)	
SEISMIC DESIGN CATEGORY:	SEISMIC DESIGN CATEGORY A	NOT APPLICABLE
HAZARD OF CONTENTS:	ORDINARY HAZARDS Defined in (SECTION 6.2) and the various chapters for each occupancy.	
MAXIMUM ALLOWABLE HEIGHT & NUMBER OF STORIES:	180' & 12 STORIES (TABLE 7.4.1, NFPA 5000)	
ACTUAL HEIGHT:	APPROXIMATELY 25' (FOR THE ADDITION)	
ACTUAL AREA:	BASEMENT LEVEL: 4377 GSF ADDITION FIRST FLOOR: 4512 GSF ADDITION SECOND FLOOR: 4377 GSF ADDITION TOTAL: 13266 GSF ADDITION	
AUTOMATIC FIRE SPRINKLER:	(SECTION 38.3.5 AND SECTION 9.7.4.1)	
SMOKE COMPARTMENT AREA:	NA (38.3.7)	
PORTABLE FIRE EXTINGUISHERS:	Section 38.3.5 and Section 9.7.4.1, and NFPA 10.	

CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

ISSUE 004 - BID 02-05-15		ISSUE 003 - CD OWNER REVIEW 10-21-14		ISSUE 002 - DD OWNER REVIEW 05-30-14		Revisions		Date									
KEY PLAN				ARCHITECT/ENGINEERS:		Albert Kahn Associates, Inc. Albert Kahn Building 7430 Second Ave. Detroit, Michigan 48202-2798 Albert Kahn Associates, Inc. is a member of the Albert Kahn Family of Companies. © 2007 ALBERT KAHN JOB # 03092-K0.000		MIDWESTERN CONSULTING Civil, Environmental and Transportation Engineers Planners, Surveyors Landscape Architects 3815 Plaza Drive Ann Arbor, Michigan 48108 Phone: 734.995.0200 Fax 734.995.0599		Drawing Title PROJECT DATA AND CODE COMPLIANCE Approved K. JAPOWICZ		Project Title DEPARTMENT OF VETERANS AFFAIRS BUILD OUT CLINICS Location ANN ARBOR, MICHIGAN Date 02-06-15 Checked ZAT Drawn RPH		Project Number 506-327 Building Number 1-W Drawing Number GI002 Dwg. 2 of 89		Office of Construction and Facilities Management	

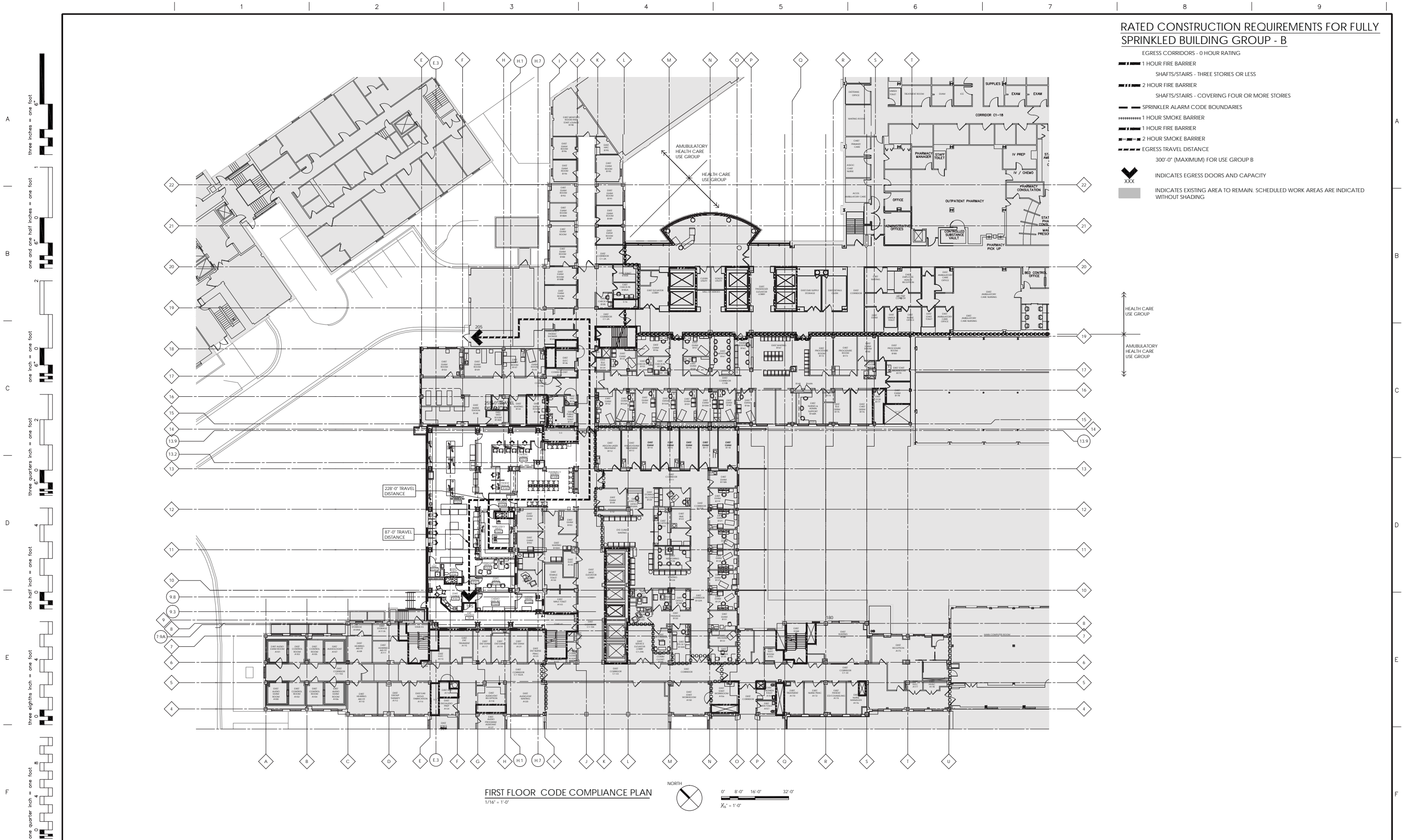


RATED CONSTRUCTION REQUIREMENTS FOR FULLY SPRINKLED BUILDING GROUP - B

- EGRESS CORRIDORS - 0 HOUR RATING
- 1 HOUR FIRE BARRIER
- SHAFTS/STAIRS - THREE STORIES OR LESS
- 2 HOUR FIRE BARRIER
- SHAFTS/STAIRS - COVERING FOUR OR MORE STORIES
- SPRINKLER ALARM CODE BOUNDARIES
- 1 HOUR SMOKE BARRIER
- 1 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER
- EGRESS TRAVEL DISTANCE
- 300'-0" (MAXIMUM) FOR USE GROUP B
- INDICATES EGRESS DOORS AND CAPACITY
- INDICATES EXISTING AREA TO REMAIN. SCHEDULED WORK AREAS ARE INDICATED WITHOUT SHADING

CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

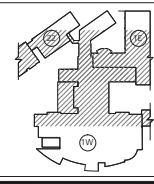
KEY PLAN 		ARCHITECT/ENGINEERS: Kahn Albert Kahn Associates, Inc. 4230 Second Ave. Detroit, Michigan 48202-2798 Albert Kahn Associates, Inc. is a member of the Albert Kahn Family of Companies. ALBERT KAHN JOB # 0092-0000		MIDWESTERN CONSULTING Civil, Environmental and Transportation Engineers Planners, Surveyors Landscape Architects 3815 Plaza Drive Ann Arbor, Michigan 48108 Phone: 734.995.0200 Fax: 734.995.0599		Drawing Title BASEMENT CODE COMPLIANCE PLAN Approved: K. JAPOWICZ		Project Title DEPARTMENT OF VETERANS AFFAIRS BUILD OUT CLINICS Location ANN ARBOR, MICHIGAN Date 02-06-15 Checked ZAT Drawn RPH		Project Number 506-327 Building Number 1-W Drawing Number GI003 Dwg. 3 of 189		Office of Construction and Facilities Management 	
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one inch = one foot
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one eighth inch = one foot

ISSUE 004 - BID	02-05-15
ISSUE 003 - CD OWNER REVIEW	10-21-14
ISSUE 002 - DD OWNER REVIEW	05-30-14
Revisions	Date

KEY PLAN



ARCHITECT/ENGINEERS:

Kahn

Albert Kahn Associates, Inc.
Albert Kahn Building
7430 Second Ave.
Detroit, Michigan 48202-2798
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MIDWESTERN CONSULTING

MC

Civil, Environmental and Transportation Engineers
Planners, Surveyors
Landscape Architects

3815 Plaza Drive
Ann Arbor, Michigan 48108
Phone: 734.995.0200
Fax 734.995.0599

Drawing Title
FIRST FLOOR CODE COMPLIANCE PLAN

Approved
K. JAPOWICZ

Project Title
DEPARTMENT OF VETERANS AFFAIRS
BUILD OUT CLINICS

Location
ANN ARBOR, MICHIGAN

Date
02-06-15

Checked
ZAT

Drawn
RPH

Project Number
506-327

Building Number
1-W

Drawing Number
GI004
Dwg. 4 of 189

Office of Construction and Facilities Management



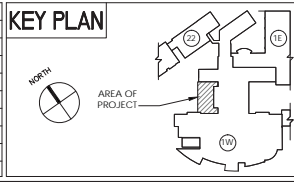
CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

		KEY PLAN				ARCHITECT/ENGINEERS:				Drawing Title SECOND FLOOR CODE COMPLIANCE PLAN		Project Title DEPARTMENT OF VETERANS AFFAIRS BUILD OUT CLINICS		Project Number 506-327		Office of Construction and Facilities Management	

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 Albert Kahn Building
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ALBERT KAHN JOB # 0092-01000

MIDWESTERN CONSULTING

Civil, Environmental and Transportation Engineers
 Planners, Surveyors
 Landscape Architects

3815 Plaza Drive
 Ann Arbor, Michigan 48108
 Phone: 734.995.0200
 Fax 734.995.0599

Drawing Title
THROUGH PENETRATION FIRESTOP SYSTEMS

Approved:
K. JAPOWICZ

Project Title
DEPARTMENT OF VETERANS AFFAIRS BUILD OUT CLINICS

Location
ANN ARBOR, MICHIGAN

Date
 02-06-15

Checked
 ZAT

Drawn
 RPH

Project Number
506-327

Building Number
1-W

Drawing Number
G1006
 Dwg. 6 of 189

Office of Construction and Facilities Management

CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

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PHASE 3
CONSTRUCTION FENCING
ESTABLISH LAY-DOWN AREA
PHASE 5
ADDITION CONSTRUCTION-
- STRUCTURAL STEEL
- SLAB
PHASE 6
EXISTING EXTERIOR MASONRY WALL DEMOLITION
PHASE 7
COMPLETE REMAINING 1ST
FLOOR CONST.
PHASE 8
LANDSCAPING & CIVIL CONST.

PHASE 2
BUILDING 1-2 REMOVAL

PHASE 5A
EXTERIOR WALL CONST
WEATHER-TIGHT CONST.

PHASE 4
SITE DEMOLITION
UNDERGROUND UTILITIES

PARTIAL FIRST FLOOR PLAN
1" = 20'-0"

PHASE 5
ADDITION CONSTRUCTION-
- UNDERGROUND CONST
- FOUNDATIONS
- STRUCTURAL STEEL
- SLAB
PHASE 6
EXIST FOUNDY MAS WALL DEMOLITION
PHASE 7
COMPLETE REMAINING BASEMENT
CONSTRUCTION

PARTIAL BASEMENT PLAN
1" = 20'-0"

PHASE 5
ADDITION CONSTRUCTION -
- STRUCTURAL STEEL
- ROOF SLAB
- ROOF MEMBRANE
(WEATHER-TIGHT CONSTRUCTION)

PHASE 7
COMPLETE ROOF RELATED CONSTRUCTION

PARTIAL THIRD FLOOR PLAN
1" = 20'-0"

PHASE 1
- SECOND FLOOR - NORTH (DEMOLITION & CONSTRUCTION)
- SITE COMMUNICATION - CABLING DEMOLITION
- SITE COMMUNICATION CABLING INSTALLATIONS

PHASE 5A
ADDITION CONSTRUCTION-
- EXTERIOR WALL CONST.
(WEATHER-TIGHT CONST)

PHASE 5
ADDITION CONSTRUCTION-
- STRUCTURAL STEEL
- SLAB
PHASE 6
EXISTING EXTERIOR MASONRY WALL DEMOLITION
PHASE 7
COMPLETE REMAINING 2ND FLOOR CONST.

PARTIAL SECOND FLOOR PLAN
1" = 20'-0"

FLOOR PLAN LEGEND

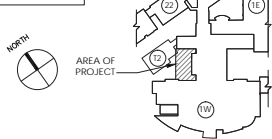
AREA OF EXISTING BUILDING TO
REMAIN AS CURRENTLY EXIST

GENERAL CONSTRUCTION LIMIT OF
WORK FOR A PHASE

NOTES

1. CONTENTS WITHIN THE T-2 BUILDING ARE TO BE REMOVED BY THE VA
2. REFER TO THE CIVIL, LANDSCAPE AND ELECTRICAL FOR THE SCOPE OF SITE WORK
3. ALL WORK WITHIN THE EXISTING BUILDING ON OR ABOVE THE FIRST FLOOR CEILING ARE TO BE PERFORMED AFTER NORMAL BUSINESS HOURS.
4. THE SITE WORK REQUIRED IN PHASE 1 CAN OCCUR CONCURRENT WITH REHABILITATION WORK REQUIRED WITHIN THE EXISTING BUILDING.
5. OFF-HOURS ARE CONSIDERED FROM 7 PM TO 6 AM AND WEEKENDS
6. COORDINATE WITH THE CIVIL DRAWING FOR THE REQUIRED MEANS OF EGRESS TO REMAIN AVAILABLE THROUGHOUT CONSTRUCTION & DEMOLITION.

KEY PLAN



ARCHITECT/ENGINEERS:



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Albert Kahn Building
7430 Second Ave.
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Phone: 734.995.0200
Fax: 734.995.0599

Drawing Title

PHASING PLAN

Approved:

K. JAPOWICZ

Project Title

DEPARTMENT OF
VETERANS AFFAIRS
BUILD OUT CLINICS

Location

ANN ARBOR, MICHIGAN

Date

02-06-15

Checked

RS

Drawn

ZAT

Project Number

506-327

Building Number

1-W

Drawing Number

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Drw. 7 of 189

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