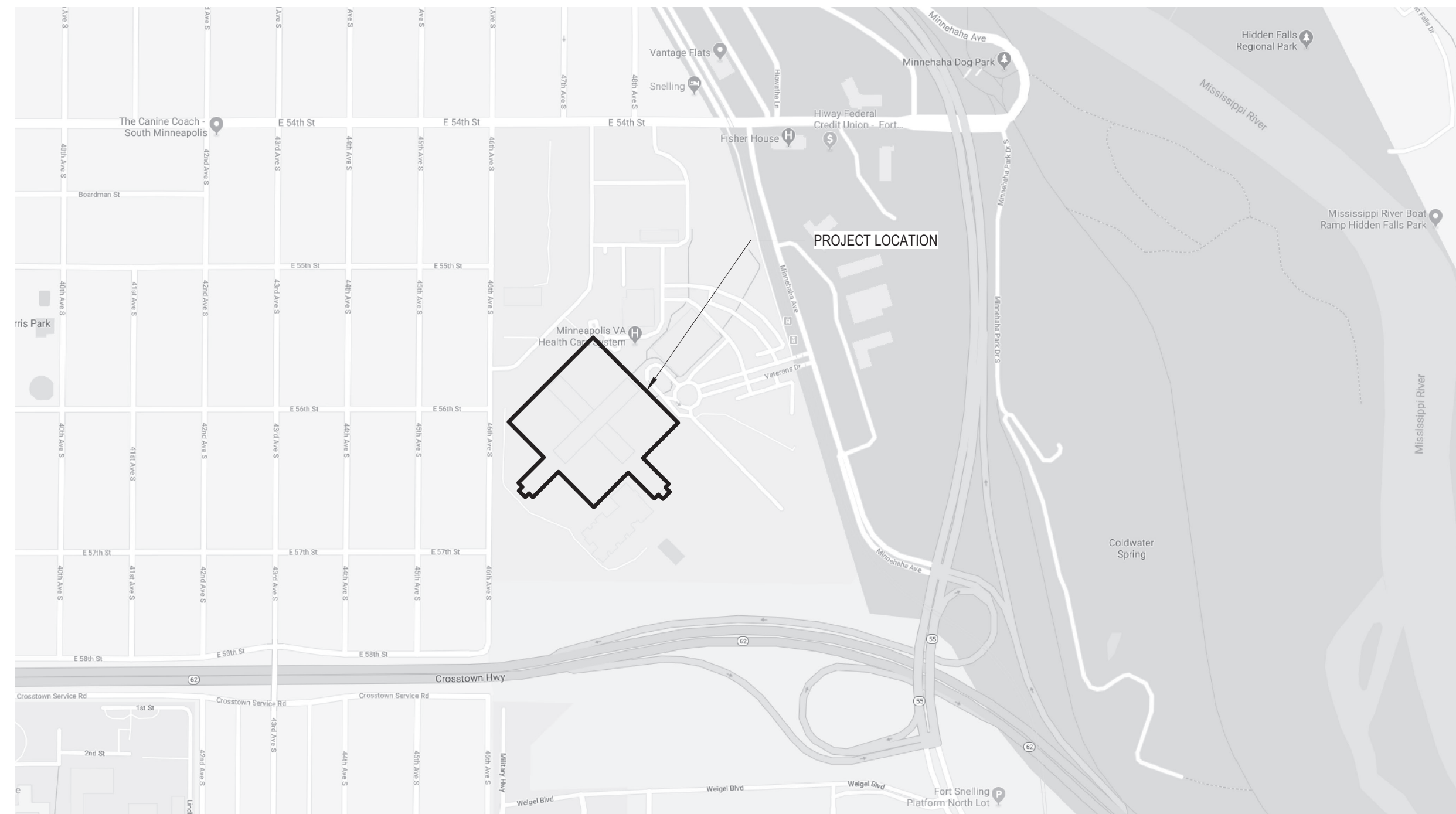






**ABBREVIATIONS** - SEE ADDITIONAL FINISH MATERIAL ABBREVIATIONS IN THE ROOM FINISH SCHEDULE MATERIAL LEGEND

ACoust. ACT ADP ADT ADJ AFC AFF AFP AFS AHU ALUM AFS APPROX ARCH	<b>A</b> ACOUSTICAL ACOUSTIC TILE ART DISPLAY PANEL ADJACENT, ADJUSTABLE ABOVE FINISH CEILING ABOVE FINISH FLOOR ACCORDION FOLDING PARTITION ACCESS FLOOR SYSTEM AIR HANDLING UNIT ALUMINUM ACCESS FLOOR SYSTEM APPROXIMATE ARCHITECTURE, ARCHITECT	FD FBN FEB FEC FFL FHO FHR FIN FFEL FLR FV	<b>F</b> FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER & WALL BRACKET FIRE EXTINGUISHER CABINET FINISH FLOOR LEVEL FIRE HOSE CABINET (WITH EXTINGUISHER & BRACKET) FIRE HOSE REEL (WITH EXTINGUISHER & BRACKET) FINISHED, FINISH FINISHED FLOOR ELEVATION FLOOR FIELD VERIFY	MACH MAINT MANUF MAS MECH MIN MISC M/O M.R. MTD MTL	<b>M</b> MACHINE MAINTENANCE MANUFACTURE MASONRY MAX MECHANICAL MINIMUM MISCELLANEOUS MASONRY OPENING MIRRORED MOUNTED METAL	SAPP SCHED. SECT SHT SID SIM SPEC SPS SS SSMA STC	<b>S</b> SPECIAL ACCESS PROGRAM FACILITY SCHEDULE SECTION SHEET STRUCTURAL INTERIOR DESIGN SIMILAR SPECIFICATION SYNTHETIC PANEL SYSTEM STAINLESS STEEL STEEL STUD MANUFACTURERS ASSOCIATION WWW.SSMA.COM SOUND TRANSMISSION COEFFICIENT
B BM BD BLDG BLKG BOT BP	<b>B</b> BENCH BEAM BOARD, BLAST DOOR BUILDING BLOCKING BOTTOM BULLETPROOF	GA GALV GEJ GL GRTG GYP GYP BD	<b>G</b> GAUGE GALVANIZED GUTTER EXPANSION JOINT GRADE LINE, GLASS GRATING GYPSUM GYPSUM BOARD	NIC NGVD NO NTS	<b>N</b> NOT IN CONTRACT NATIONAL GEODETIC VERTICAL DATUM NUMBER NOT TO SCALE	STL STOR STRUC SUPP SUSP	<b>S</b> STEEL STORAGE STRUCTURAL SUPPORT SUSPENDED
CAB CID CMU CJ C CLG COL CONC CONSTR CONT CONTR COR	<b>C</b> CABINET COMPREHENSIVE INTERIOR DESIGN CONCRETE MASONRY UNIT CONTROL JOINT, CONSTRUCTION JOINT CENTER LINE CEILING COLUMN CONCRETE CONSTRUCTION CONTINUOUS CONTRACT, CONTRACTOR CONTRACTING OFFICERS REPRESENTATIVE	HD HDWR HM HORIZ HP HT, HVAC	<b>H</b> HAND HARDWARE HOLLOW METAL HORIZONTAL HIGH POINT HEIGHT HEATING, VENTILATION & AIR CONDITIONING	O.C. O.D. OFF OPP OPP. HD. OPNG OTS	<b>O</b> ON CENTER OUTSIDE DIAMETER OFFICE OPPOSITE OPPOSITE HAND OPENING OPEN TO STRUCTURE	TECH THK THRU TLT T & B T.O.P. T.O.S. TYP	<b>T</b> TECHNICAL THICK THROUGH TOILET TOP & BOTTOM TOP OF PARAPET TOP OF STEEL TYPICAL
CPT CR CT CUP	<b>C</b> CONTRACT, CONTRACTOR CONTRACTING OFFICERS REPRESENTATIVE CARPET CHAIR RAIL CARPET TILE CENTRAL UTILITY PLANT	I.D. INSUL INT	<b>I</b> INSIDE DIAMETER INSULATION INTERIOR	P PTD PRTN PLAM P. PNL PR PLYWD	<b>P</b> PAINT (e.g. P-1) PAINTED PARTITION PLASTIC LAMINATE PLATE PAIR PLYWOOD	U.N.O. UL	<b>U</b> UNLESS NOTED OTHERWISE UNDERWRITERS LABORATORY
DBL DC DET DF DIA DIM DML DN DR DS DWG	<b>D</b> DOUBLE DISPLAY CASE DETAIL DRINKING FOUNTAIN DIAMETER DIMENSION DEMOLITION DOWN DOOR DOWNSPOUT DRAWING	JC JT	<b>J</b> JANITOR'S CLOSET JOINT	R R OR RAD RA RCP RD RE RECP REG REIN REQD RGH	<b>R</b> RADIUS RETURN AIR REFLECTED CEILING PLAN ROOF DRAIN REFERENCE RECEPTACLE REGULAR REINFORCED REQUIRED ROUGH	W WI WD WT	<b>W</b> WIDTH WITH WOOD WEIGHT
EA EEWS EF EJ EL ELEV EQUIP EQ. ETC EWC EXIST EXP EXT	<b>E</b> EACH EMERGENCY EYEWASH & SHOWER EXHAUST FAN EXPANSION JOINT ELEVATION EQUIPMENT EQUAL AND SO FORTH (ETCETERA) ELECTRIC WATER COOLER EXISTING EXPANSION EXTERIOR	LAM LAV LBL LVR LVR LP LP	<b>L</b> LAMINATE LAVATORY LABEL LOUVER LOUVER LOW POINT LOW POINT				



VICINITY MAP  
(NOT TO SCALE)

**ARCHITECTURAL SYMBOLS**

	COLUMN NUMBER/GRID LINE
	CENTER LINE
	DIMENSION LINE
	DOOR NUMBER SYMBOL
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW CONSTRUCTION
	DETAIL NUMBER
	ARCHITECTURAL ELEVATION
	SHEET NUMBER
	DETAIL NUMBER
	ARCHITECTURAL SECTION
	SHEET NUMBER
	KEYNOTE - DEMOLITION PLAN
	KEYNOTE - FLOOR PLAN
	WALL TYPE
	WINDOW TYPE

**MATERIAL SYMBOLS**

	BRICK
	CAST-IN-PLACE CONCRETE
	EARTH
	EXISTING CONSTRUCTION TO REMAIN U.N.O.
	GYPSUM
	RIGID INSULATION
	STEEL

**GENERAL NOTES**

- THE CONTRACTOR SHALL INSPECT THE SITE, STUDY EXISTING CONDITIONS, REVIEW DRAWINGS AND SPECIFICATIONS IN ORDER TO BE FAMILIAR W/ COORDINATION OF WORK REQUIRED IN THIS DOCUMENT PACKAGE AND EXISTING CONDITIONS.
- CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- CONTRACTOR SHALL TAKE ALL MEASUREMENTS FOR THE WORK AND BE RESPONSIBLE FOR SAME. COORDINATE THE WORK AND SHOP DRAWINGS WITH ALL OTHER TRADES AFFECTED AND MAKE ANY NECESSARY OFFSETS TO CONCEAL PIPING AND DUCTWORK AND TO CLEAR EQUIPMENT, STRUCTURAL MEMBERS AND OTHER OBSTRUCTIONS.
- ALL UTILITIES AND SERVICES SHALL BE KEPT IN CONTINUOUS OPERATION UNLESS WRITTEN PERMISSION IS OTHERWISE GRANTED BY THE COR. TEMPORARY ALTERATIONS AND CONNECTIONS REQUIRED BY THIS CONTRACT SHALL BE MADE SO THAT ALL BUILDING SERVICES ARE MAINTAINED WITH MINIMUM INTERRUPTION. SCHEDULE ALL ELECTRICAL/MECHANICAL OUTAGES 15 DAYS IN ADVANCE WITH THE OWNER.
- PROTECT ALL WORK, MATERIALS AND EQUIPMENT. CAP OR PLUG TEMPORARY OPENINGS. DELIVER ALL WORK TO THE OWNER CLEAN AND IN GOOD CONDITION.
- ALL OCCUPIED WORK AREAS, BUILDING CORRIDORS AND EXTERIOR AREAS SHALL BE KEPT CLEAR OF DEBRIS, CUTTING AND PATCHING OF EXISTING WALLS, FLOORS OR CEILINGS REQUIRED BY NEW WORK SHALL BE INCLUDED AS WORK PROVIDED UNDER THIS CONTRACT.
- CUTTING SHALL BE DONE WITH CARE SO AS NOT TO DAMAGE EXISTING EQUIPMENT, CONNECTIONS, CONTROLS, ETC. DAMAGE CAUSED BY SUCH CUTTING SHALL BE REPLACED OR REPAIRED TO ORIGINAL CONDITION BY CONTRACTOR AT NO COST TO THE OWNER.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW, OF THE BEST QUALITY AND FREE FROM DEFECTS.
- MANUFACTURER AND MODEL NUMBERS SPECIFIED ESTABLISH THE TYPE AND QUALITY REQUIRED.
- ALL WORK SHALL COMPLY WITH APPLICABLE REGULATIONS, CODES AND ORDINANCES.
- THE CONTRACTOR SHALL PERFORM ALL TESTS AS SPECIFIED OR AS NECESSARY TO DEMONSTRATE A COMPLETE AND SATISFACTORY INSTALLATION.
- ALL EXPOSED PENETRATIONS MADE THROUGH EXISTING ROOFS, FLOORS, AND WALLS SHALL BE PATCHED WITH LIKE MATERIALS TO MATCH THE SURROUNDING SURFACES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING MATERIALS RESULTING FROM WORK UNDER THIS CONTRACT AND SHALL RESTORE SUCH TO ITS ORIGINAL CONDITION.
- INSTALL THE SPECIFIED FIRE STOPPING (SLEEVES, WRAP, CONDUIT, ETC.) AT RATED CONSTRUCTION.
  - FIRE STOP ALL PENETRATIONS WHERE NEW DEVICES/LINES RELOCATING EXISTING DEVICES/LINES PENETRATING FLOORS, CEILINGS AND OTHER RATED BARRIERS.
  - FIRE STOP ALL NEWLY CREATED PENETRATIONS WHERE EXISTING DEVICES/LINES PENETRATE FLOOR, CEILINGS AND OTHER RATED BARRIERS.
- ALL NEW STUD WALLS AND GYPSUM BOARD SHALL EXTEND TO STRUCTURE UNLESS NOTED OTHERWISE.
- ALL GYPSUM BOARD SHALL BE TYPE 'X' FIRE CODE GYPSUM BOARD UNLESS NOTED OTHERWISE.
- PROVIDE 16 GA. METAL BACKING PLATES, UNLESS OTHERWISE SHOWN, IN ALL WALLS TO RECEIVE EQUIPMENT, SHELVING AND ACCESSORIES, DOOR STOPS AND OTHER ITEMS REQUIRING REINFORCEMENT. NO WOOD BLOCKING IS TO BE USED PER VAMSPHC.
- THE CONTRACTOR SHALL WORK WITH THE CONDITIONS AS THEY EXIST AT THE SITE. ALL ABOVE CEILING CONDITIONS SHALL BE REVIEWED, AND MODIFICATIONS IDENTIFIED, COORDINATED AND INCORPORATED INTO THE SHOP DRAWING PROCESS. COORDINATE ALL ABOVE CEILING WORK TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT NO ADDITIONAL COST TO THE OWNER. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
  - OWNER'S EQUIPMENT REQUIREMENTS.
  - CEILING SUPPORT SYSTEM.
  - MECHANICAL DUCTWORK SYSTEM
  - LIGHTING FIXTURES, ELECTRICAL WIRING AND CONDUIT SYSTEMS
  - PLUMBING AND PIPING SYSTEMS.
  - COMMUNICATIONS SYSTEMS.
- OBTAIN PERMIT FOR AND CONSTRUCT ONE HOUR FIRE-RESISTANT ANTE CHAMBER WITH DOOR AND APPROVED HARDWARE TO SEAL OFF CONSTRUCTION AREA FROM CORRIDOR. SEAL ANTE CHAMBER TO EXISTING CONSTRUCTION. PROVIDE WALK-OFF MATS OUTSIDE CORRIDOR AND ROOM SIDES OF CHAMBER. ANTE CHAMBER TO COMPLY WITH REQTS. FOR ICRA LEVEL 4 PROTECTION - REVIEW & COORDINATE PERMIT & CONSTRUCTION REQTS W/ COR AND STATIONS INFECTION CONTROL OFFICER.
- AT THE COMPLETION OF EACH PHASE OF DEMOLITION THE CONTRACTOR SHALL HAVE A SITE MEETING WITH THE VA TO REVIEW AS-BUILT CONDITIONS OF THE EXISTING STRUCTURE.
- WHEN ALTERING THE BUILDING, IF STRUCTURAL INTEGRITY APPEARS TO BE IN QUESTION CONTRACTOR SHALL NOTIFY THE VA IMMEDIATELY.
- THE OWNER SHALL BE RESPONSIBLE FOR REMOVING, STORING AND REINSTALLATION OF ALL OF THE OWNER'S EQUIPMENT AND FURNITURE, TO INCLUDE BOTH WALL MOUNTED ITEMS AND MOVABLE ITEMS. THIS COORDINATION OF OWNER'S ITEMS IS REQUIRED FOR ALL PHASES OF CONSTRUCTION.
- CONTRACTOR TO USE LOADING DOCK AND SERVICE ELEVATORS FOR ACCESS INTO THE BUILDING AND TO THE WORK AREA.
- WORK THAT REQUIRES ACCESS TO SPACES OUTSIDE DESIGNATED AREA OF WORK SHALL BE COORDINATED WITH THE VA. WORK IN THOSE AREAS SHALL TAKE PLACE OUTSIDE REGULAR BUSINESS HOURS AND THE AREAS SHALL BE CLEANED AND RETURNED TO SERVICE AT THE END OF EACH SHIFT.
- UPON COMPLETION OF THE PROJECT, ALL AREAS AVAILABLE FOR CONSTRUCTION MATERIALS, VEHICLES, AND TRASH RECEPTILES MUST BE RETURNED TO THEIR ORIGINAL CONDITION.

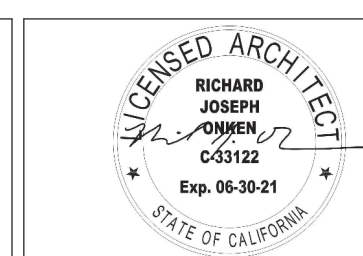
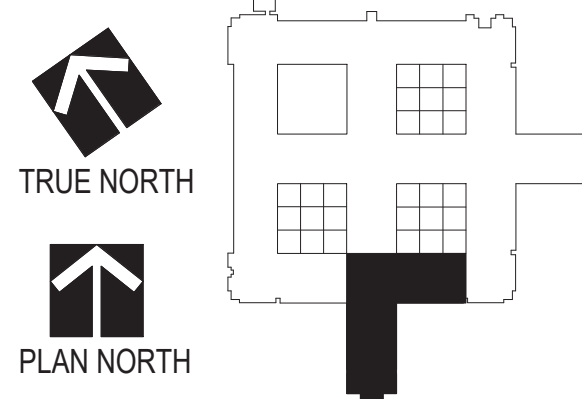
**FOR MEDICAL FACILITIES ONLY**

CS CT ER ICU LDRP	CENTRAL STERILE COMPUTED TOMOGRAPHY EMERGENCY ROOM INTENSIVE CARE UNIT LABOR-DELIVERY-RECOVERY-POST PARTUM
LTC MRI MICU OR OT PACU PT RT SICU	LONG TERM CARE MAGNETIC RESONANCE IMAGING MEDICAL INTENSIVE CARE UNIT OPERATING ROOM OCCUPATIONAL THERAPY POST ANESTHETIC CARE UNIT PHYSICAL THERAPY RESPIRATORY THERAPY SURGICAL INTENSIVE CARE UNIT

**GENERAL NOTES:**

GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS. WHERE VARIATIONS ARE FOUND TO OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS & CEILING & FLOORS. ANY AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR BY TRADE. FIRE STOPPING OF THESE OPENINGS SHALL BE DONE BY THE RESPECTIVE SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED BY THE VARIOUS SUBCONTRACTORS.



Drawing Title <b>ABBREVIATIONS, SYMBOLS, &amp; GENERAL NOTES</b>	Project Title <b>Renovate Mental Health Inpatient Ward</b>
Drawing Scale As indicated	Location 1 Veterans Dr., Minneapolis, MN 55417
Plot Scale	Date 01/07/2021
Approved: Division Chief	Checked RJO
Approved: Service Director	Drawn JGG/KNRG

Project No. 618-17-127	Building Number 70
DRAWING NO. <b>1338 - G002</b>	



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**BUILDING & LIFE SAFETY REQUIREMENTS**

**LEGEND**

NEW PARTITION KEY	WALL RATING	DESCRIPTION	NFPA 2015 (EXIST. HC)	NFPA 2015 (NEW HC)	RATED UL ASSEMBLIES	OPENINGS		DAMPERS	
						RATING	RFRNC.	TYPE	RFRNC.
	2 HR	BUILDING SEPARATION: FIRE BARRIER	NOT APPLICABLE	NOT APPLICABLE	UL U412 UL U419	90 MIN	IBC 705.8 TABLE 715.4	FIRE 90 MIN	IBC 705.11 IBC 715.5.1 IBC 716.5.1
	1 HR	OCCUPANCY / AREA SEPARATION: FIRE BARRIER	NFPA 6.1.14 NFPA 8.2.3.1.2	NFPA 6.1.14 NFPA 8.2.3.1.2		60 MIN	NFPA 8.2.3.2.3.1 (1) IBC 706.7		NFPA 8.2.3.2.4.1 IBC 706.10 IBC 716.3.1 IBC 716.5.2
	2 HR	OCCUPANCY / AREA SEPARATION: FIRE BARRIER	NFPA 6.1.14 NFPA 8.2.3.1.2	NFPA 6.1.14 NFPA 8.2.3.1.2	UL U412 UL U419	90 MIN	NFPA 8.2.3.2.3.1 (1) IBC 706.7	FIRE 90 MIN	NFPA 8.2.3.2.4.1 IBC 706.10 IBC 716.3.1 IBC 716.5.2
	2 HR	VERT. DPG. (EXIT ENCLSR/SHAFT) FIRE BARRIER (2 HR = 4 OR MORE STORIES) (1 HR = LESS THAN 4 STORIES)	NFPA 19.3.1.1 NFPA 8.2.5.4	NFPA 19.3.1.1 NFPA 8.2.5.4	UL U412 UL U419 UL U419(B)	90 MIN 60 MIN	NFPA 8.2.3.2.3.1 IBC 715.4 / 714.2	NOT ALLOWED	NFPA 1005.3.4.1 IBC 706.10 IBC 716.3.1 IBC 716.5.2
	2 HR	EXIT PASSAGEWAY (HORIZ) FIRE BARRIER	NFPA 19.2.2.7 NFPA 7.2.6	NFPA 19.2.2.7 NFPA 7.2.6		90 MIN 60 MIN	NFPA 8.2.3.2.3.1 IBC 715.4 / 714.2	NOT ALLOWED	NFPA 1005.3.4.1 NFPA 1021.5
	1 HR	HAZ / INCIDENTAL USE FIRE BARRIER	NFPA 18.3.2.1 NFPA 8.4.1.1	NFPA 18.3.2.1 NFPA 8.4.1.1	UL U412 UL U419	45 MIN	NFPA 8.2.3.2.3.1 (2) IBC 706.7 IBC 715.4	FIRE 90 MIN	IBC 715.3.1 IBC 716.3.1 IBC 716.5.2 IBC 716.5.2
	1 HR	SUBDIVIDING SPACES SMOKE BARRIER	NFPA 19.3.7.1	NFPA 19.3.7.1 NFPA 18.3.7.3	UL U412 UL U419 UL U419(A)	20 MIN	NFPA 8.3.4.2 (1) IBC 709.5	SMOKE 90 MIN SEE NOTE (A)	NFPA 8.3.5.1 IBC 709.9 IBC 716.5.5 SEE NOTE (C)
	1 HR	SUITE SEPARATION SMOKE PARTITIONS	NFPA 18.2.5	NFPA 18.2.5		NR SELF OR AUTO CLOSING	IBC 710.5.3 IBC 715.4.7.3	SEE NOTE (B)	
	2 HR	HORIZONTAL BUILDING SEPARATION FIRE BARRIER	NOT APPLICABLE	NOT APPLICABLE	UL U412 UL U419	90 MIN	IBC 705.8 TABLE 715.4	FIRE 90 MIN	IBC 705.11 IBC 715.5.1 IBC 716.5.1

**NOTES**

(A) DAMPERS ARE NOT REQUIRED IN DUCT PENETRATIONS OF SMOKE BARRIERS WHERE HVAC SYSTEMS ARE FULLY DUCTED (18.3.7.3&2).

(B) AIR TRANSFER OPENINGS IN SMOKE PARTITIONS SHALL HAVE DAMPERS (NFPA 8.2.4.4.3) (IBC 710.7).

(C) SMOKE DAMPERS ARE NOT REQUIRED WHERE OPENINGS IN DUCT ARE LIMITED TO A SINGLE COMPARTMENT & DUCTS ARE MADE OF STEEL (IBC 716.5.5).

(D) TRANSFER GRILLES REGARDLESS OF WHETHER THEY ARE PROTECTED ARE NOT ALLOWED IN THESE DOORS OR WALLS (NFPA 18.3.6.4).

**EXIT MARKER**  
 S-5 S-7 S-8

**EGRESS PATH**  
 STARTING LOCATION, TRAVEL PATH, TRAVEL DISTANCE (100, 150), EXITING

**EGRESS PATH INFORMATION**

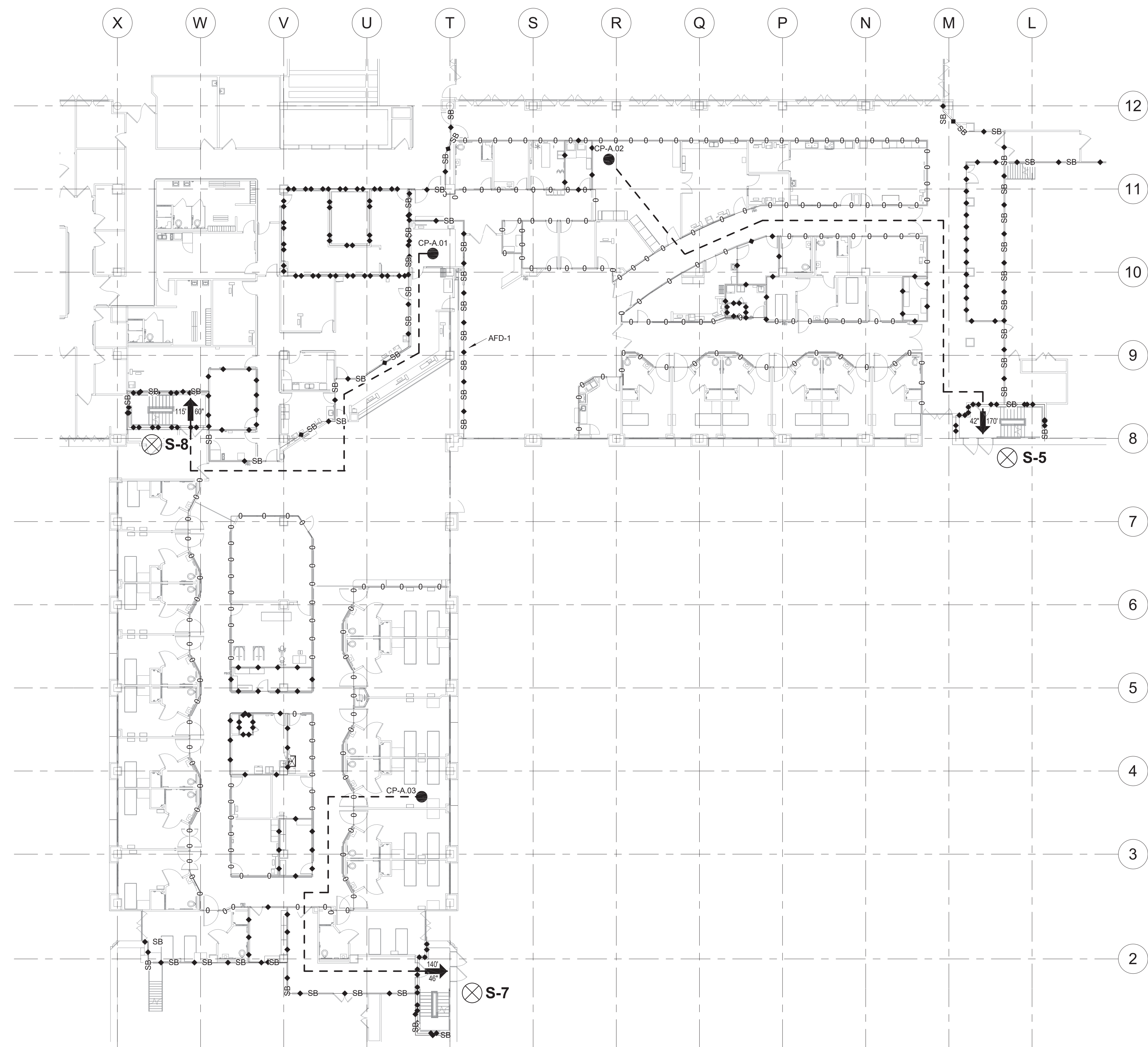
EGRESS PATH NAME	OCCUPANCY CLASSIFICATION	EGRESS PATH LENGTH	EGRESS PATH MAXIMUM PERMITTED
CP-A.01	INPATIENT HEALTHCARE	115'	200
CP-A.02	INPATIENT HEALTHCARE	170'	200
CP-A.03	INPATIENT HEALTHCARE	140'	200

**EXIT CAPACITY COMPARISON**

DOOR	EGRESS COMPLETE CLEAR WIDTH	EGRESS CAPACITY FACTOR	EGRESS COMPONENT OCCUPANT LOAD CAPACITY	EXPECTED OCCUPANT LOAD
S-7	46"	0.2	230	112
S-8	60"	0.2	300	94
S-5	42"	0.2	210	112

**OCCUPANT LOAD CALCULATION**

ZONE	AREA	OCCUPANCY LOAD FACTOR	OCCUPANT LOAD
K (SCZ-1-22)	13,400 SF	120	112
H (SCZ-1-23)	11,230 SF	120	94
L (SCZ-1-21)	13,400 SF	120	112

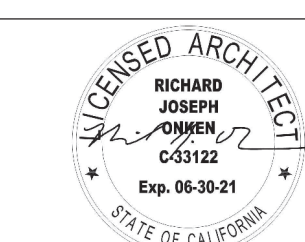
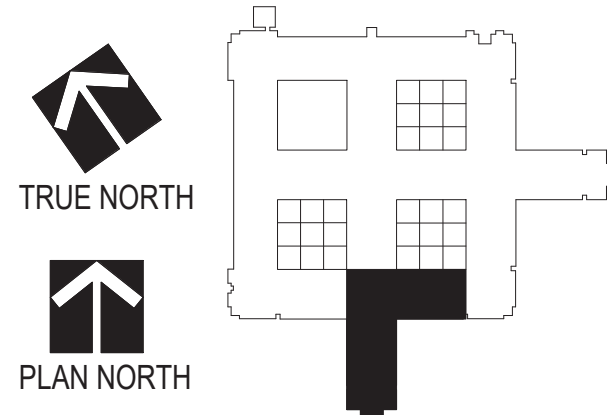


1 LIFE SAFETY PLAN  
1/16" = 1'-0"

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Drawing Scale: As indicated  
Plot Scale:

**LIFE SAFETY PLAN**

Approved: Division Chief  
Approved: Service Director

Project Title: **Renovate Mental Health Inpatient Ward**

Location: 1 Veterans Dr., Minneapolis, MN 55417  
Date: 01/07/2021  
Checked: RJO  
Drawn: JGG/KNRG

Project No: 618-17-127

Building Number: 70

DRAWING NO.: **1338 - G101**

Office of Facilities Management



REVISIONS	DATE



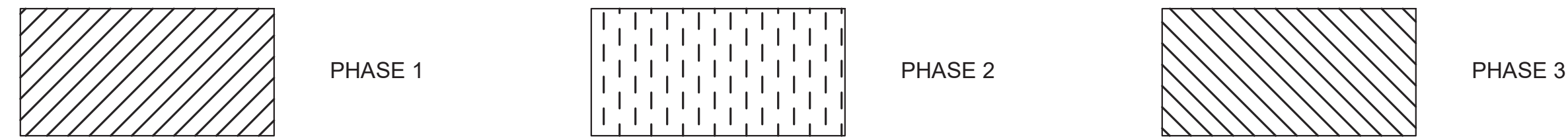
## PHASING NOTES & LEGEND

### GENERAL PHASING NOTES:

THE PHASING NARRATIVE AND PHASING FLOOR PLANS PROVIDE A GENERAL OVERVIEW FOR PROJECT PHASING AS DESIGNED. NEITHER THE NARRATIVE NOR THE DRAWINGS ARE INTENDED TO FULLY COMMUNICATE EVERY ASPECT OF PHASING OR THE ENTIRE SEQUENCE OF CONSTRUCTION ACTIVITIES AS THEY RELATE TO PHASING. THE CONTRACTOR SHALL UNDERSTAND THE GENERAL SCOPE OF PHASING AS DESCRIBED HEREIN AND WORK WITH THE PROJECT CONTRACTING OFFICER'S REPRESENTATIVE (COR) THROUGHOUT THE CONSTRUCTION PROCESS TO DEVELOP APPROPRIATE PLANS FOR APPROACHING THE VARIOUS DETAILS OF EACH PHASE OF THE PROJECT, INCLUDING (BUT NOT LIMITED TO): TIMING OF CHANGES TO BUILDING SYSTEMS, EXACT LOCATIONS OF TEMPORARY WALLS AND EGRESS DOORS, TRANSITIONS BETWEEN PHASES, INFECTION CONTROL MEASURES, HAZARDOUS MATERIALS ABATEMENT, CONSTRUCTION CIRCULATION PATHWAYS, AND EMERGENCY PREPAREDNESS.

REFER TO ABATEMENT SPECIFICATION SECTIONS IN THE SPECIFICATIONS MANUAL. HAZARDOUS MATERIALS SHALL BE ABATED IN A MANNER CONGRUENT WITH THE GENERAL PHASING PLAN. REFER ALSO TO DEMOLITION PLANS FOR ADDITIONAL CLARIFYING INFORMATION. COPIES OF THE MOST CURRENT ASBESTOS REPORT AND LEAD-BASE PAINT REPORT ARE TO BE OBTAINED FROM THE COR.

THIS PHASING PLAN INCLUDES LOCATING ACTIVE CONSTRUCTION ZONES DIRECTLY ADJACENT TO WORKING CLINICAL AREAS. SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR TO COORDINATE DISRUPTIVE ACTIVITIES (NOISE, VIBRATION, ETC.) IN SUCH A WAY AS TO MINIMIZE THEIR IMPACT ON THE VA'S ABILITY TO PROVIDE HEALTHCARE SERVICES. THE PROJECT COR SHALL HAVE THE AUTHORITY TO STOP ANY ACTIVITY DEEMED TOO DISRUPTIVE FOR HOSPITAL OPERATIONS AND WILL ASSIST THE CONTRACTOR IN SCHEDULING AN APPROPRIATE TIME OR PLACE FOR THE SAME ACTIVITY. THE CONTRACTOR SHALL NOTIFY THE COR IN ADVANCE OF ANY AND ALL ACTIVITIES THAT COULD HAVE THE POTENTIAL TO DISRUPT THE ADJACENT DEPARTMENTS.



#### PHASE 1 - PARTIAL DEMOLITION AND RENOVATION OF AREA L ON FIRST FLOOR.

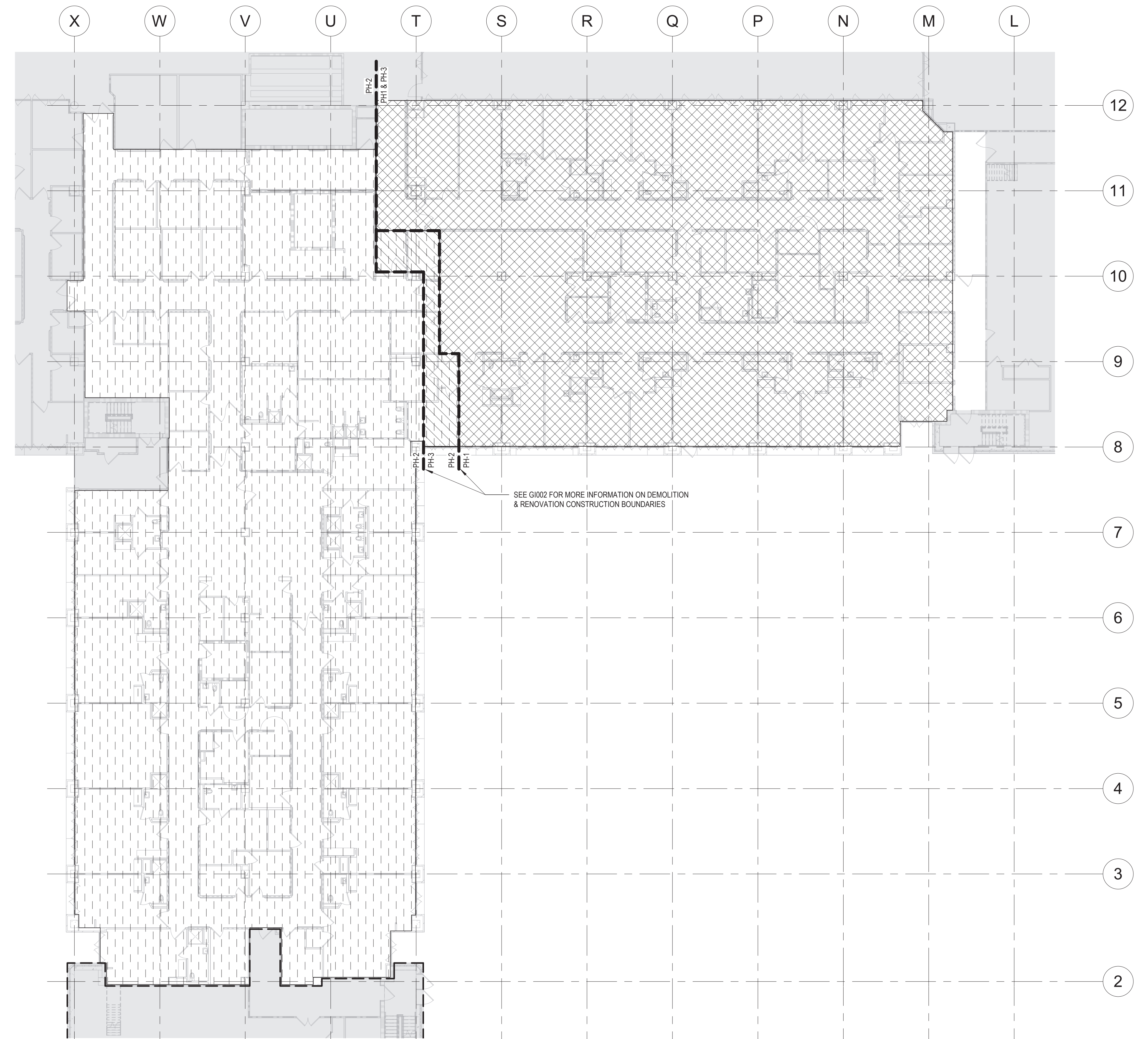
- VA MEDICAL CENTER WILL CONTINUE TO OPERATE THE INPATIENT MENTAL HEALTH UNIT IN ZONES 1H AND 1K.
- PARTIAL HOSPITALIZATION UNIT WILL BE RELOCATED BY THE VA MEDICAL CENTER FROM ZONE 1L PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CREATE TEMPORARY INPATIENT MENTAL HEALTH UNIT ON 1L BY RESTORING SAFETY FEATURES PREVIOUSLY PRESENT TO CREATE A SIMILAR CONDITION AS IS CURRENTLY PRESENT IN ZONE 1K.
- VA MEDICAL CENTER WILL CONTINUE TO USE THE EXTERIOR THERAPY AREA PLAN SOUTH OF ZONE 1L DURING THIS PHASE. COORDINATE ANY EXTERIOR WORK REQUIRED WITH THE COR DURING PERIODS WHEN THE AREA IS NOT IN USE BY PATIENTS. ALL TOOLS, MATERIALS, AND EQUIPMENT MUST BE REMOVED AFTER CONSTRUCTION AND THE AREA MADE SAFE FOR PATIENTS.
- AT THE CONCLUSION OF PHASE 1, PROVIDE FOUR WEEKS FOR THE VA MEDICAL CENTER TO TRANSITION OPERATIONS FROM ZONES 1H & 1K INTO THE TEMPORARY INPATIENT MENTAL HEALTH UNIT IN 1L.

#### PHASE 2 - CONSTRUCT INPATIENT MENTAL HEALTH UNIT ZONES 1H AND 1K.

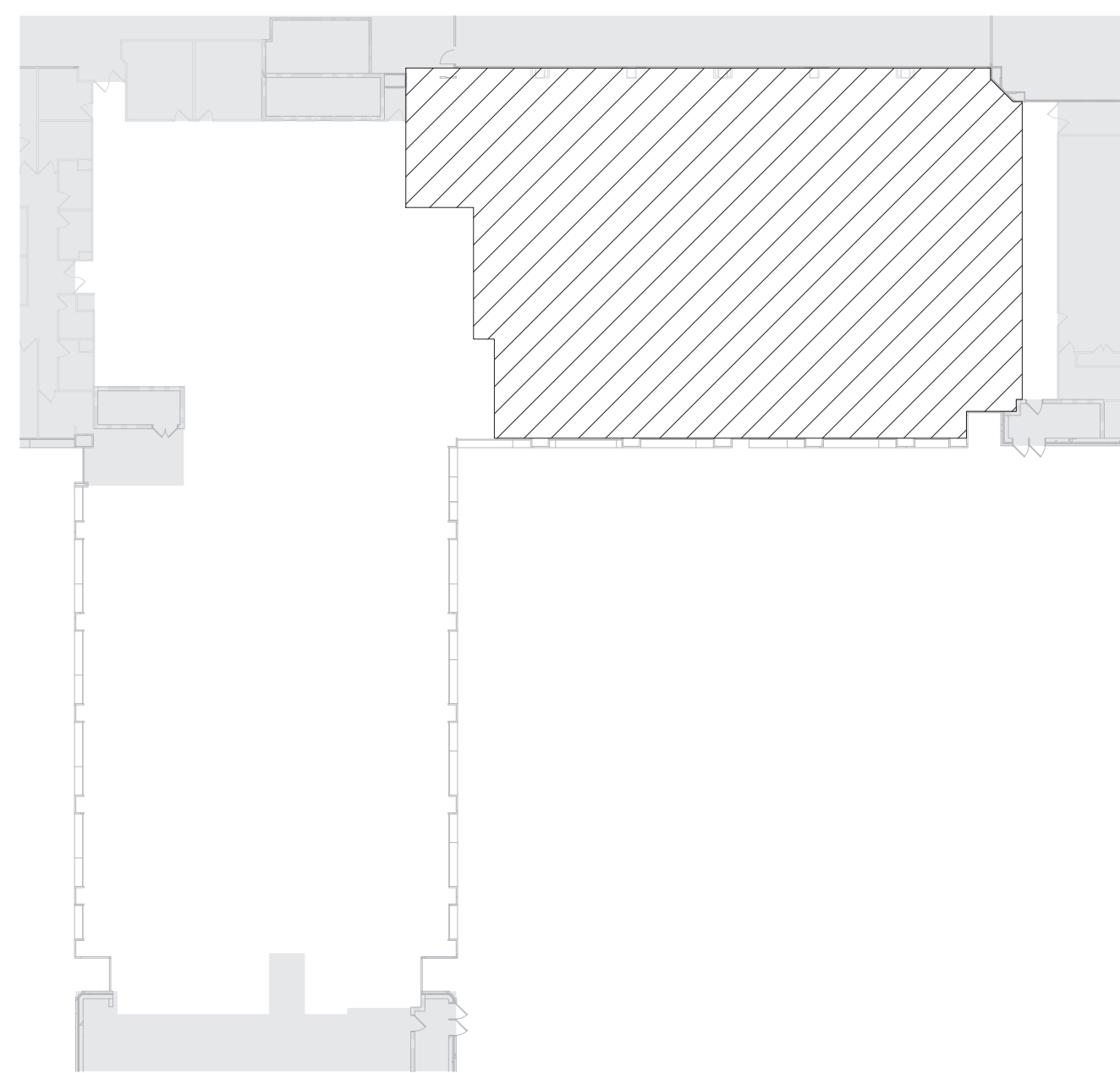
- VA MEDICAL CENTER WILL CONTINUE TO OPERATE THE INPATIENT MENTAL HEALTH UNIT IN ZONE 1L.
- CONTRACTOR SHALL FULLY RENOVATE THE INPATIENT MENTAL HEALTH UNIT ON 1H AND 1K AS DEFINED ON CONTRACT DOCUMENTS.
- VA MEDICAL CENTER WILL CONTINUE TO USE THE EXTERIOR THERAPY AREA PLAN SOUTH OF ZONE 1L DURING THIS PHASE. COORDINATE ANY EXTERIOR WORK REQUIRED WITH THE COR DURING PERIODS WHEN THE AREA IS NOT IN USE BY PATIENTS. ALL TOOLS, MATERIALS, AND EQUIPMENT MUST BE REMOVED AFTER CONSTRUCTION AND THE AREA MADE SAFE FOR PATIENTS.
- IF THE CONTRACTOR INTENDS TO USE AN EXTERIOR DEMISING WALL DURING WINDOW REPLACEMENT THE WALL MUST NOT BE ABLE TO BE SCALED AND OF SIMILAR HEIGHT AS THE CURRENT WALLS OF THE EXTERIOR THERAPY AREA.
- AT THE CONCLUSION OF PHASE 2, PROVIDE FOUR WEEKS FOR THE VA MEDICAL CENTER TO TRANSITION OPERATIONS FROM ZONES 1L INTO THE INPATIENT MENTAL HEALTH UNIT IN 1H AND 1K.

#### PHASE 3 - CONSTRUCT INPATIENT MENTAL HEALTH UNIT ZONE 1L.

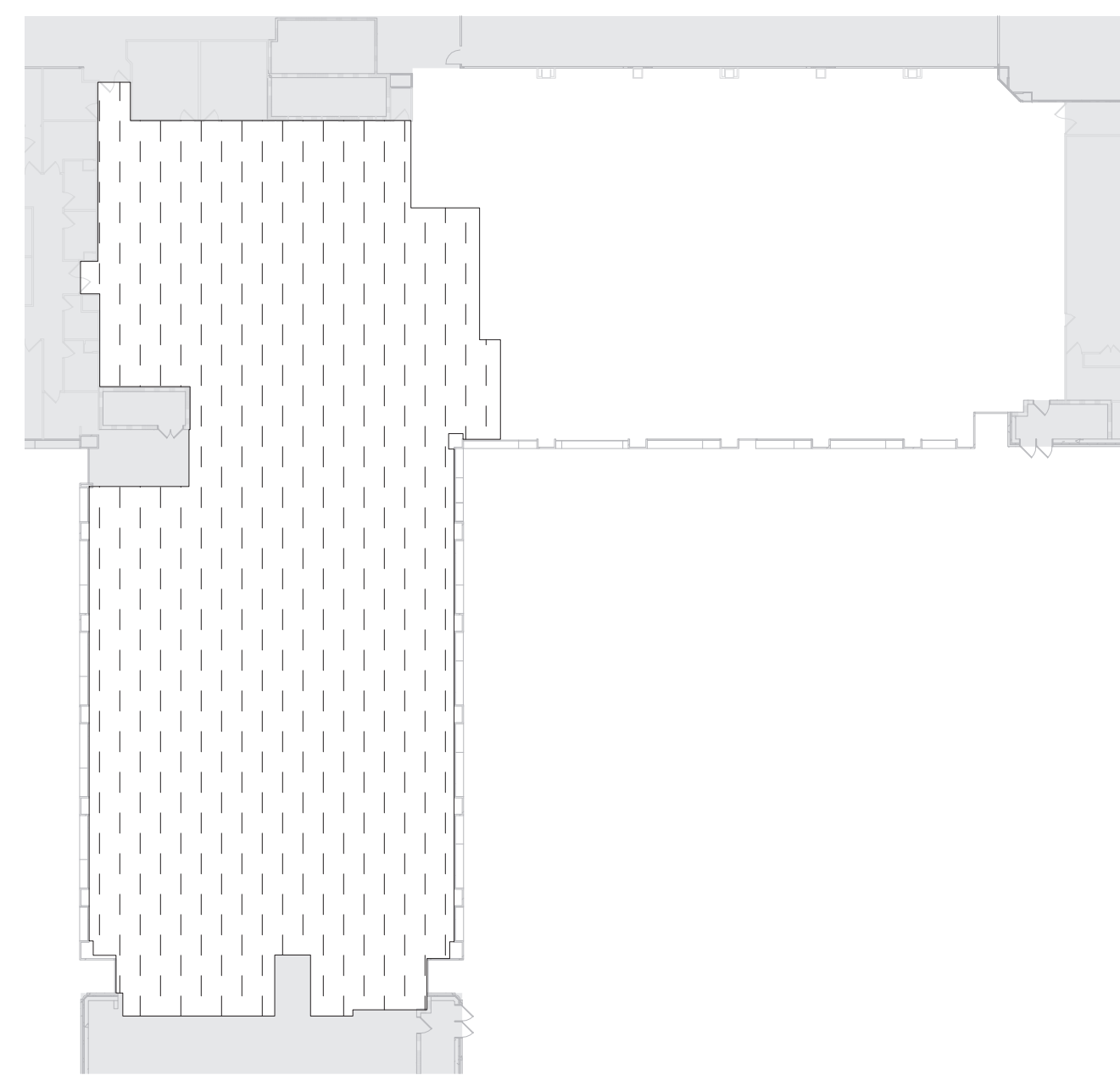
- VA MEDICAL CENTER WILL OPERATE THE INPATIENT MENTAL HEALTH UNIT IN ZONES 1H AND 1K.
- CONTRACTOR SHALL FULLY RENOVATE THE INPATIENT MENTAL HEALTH UNIT ON 1L AS DEFINED ON CONTRACT DOCUMENTS.
- NOTE: WON-DOR SLIDING ACCORDION FIRE PARTITION SHALL SERVE AS A PHYSICAL DEMISING WALL BETWEEN CONSTRUCTION ZONE IN PHASE 3 AND THE OCCUPIED AREA IN 1H/1K. CONTRACTOR IS RESPONSIBLE TO DEACTIVATE ITS OPERATION BEFORE THE INPATIENT MENTAL HEALTH UNIT OCCUPIES 1H/1K. CONTRACTOR REMAINS RESPONSIBLE TO PREVENT DUST, NOISE, AND FUMES FROM ENTERING INTO THE INPATIENT MENTAL HEALTH UNIT THROUGH THE WON-DOR.
- VA MEDICAL CENTER WILL CONTINUE TO USE THE EXTERIOR THERAPY AREA PLAN SOUTH OF ZONE 1L DURING THIS PHASE. COORDINATE ANY EXTERIOR WORK REQUIRED WITH THE COR DURING PERIODS WHEN THE AREA IS NOT IN USE BY PATIENTS. ALL TOOLS, MATERIALS, AND EQUIPMENT MUST BE REMOVED AFTER CONSTRUCTION AND THE AREA MADE SAFE FOR PATIENTS.
- IF THE CONTRACTOR INTENDS TO USE AN EXTERIOR DEMISING WALL DURING WINDOW REPLACEMENT THE WALL MUST NOT BE ABLE TO BE SCALED AND OF SIMILAR HEIGHT AS THE CURRENT WALLS OF THE EXTERIOR THERAPY AREA.
- AT THE CONCLUSION OF PHASE 3, REMOVE ALL TEMPORARY DEMISING WALLS, RESTORE EXTERIOR AREAS TO CONDITION PRIOR TO CONSTRUCTION ACTIVITY.



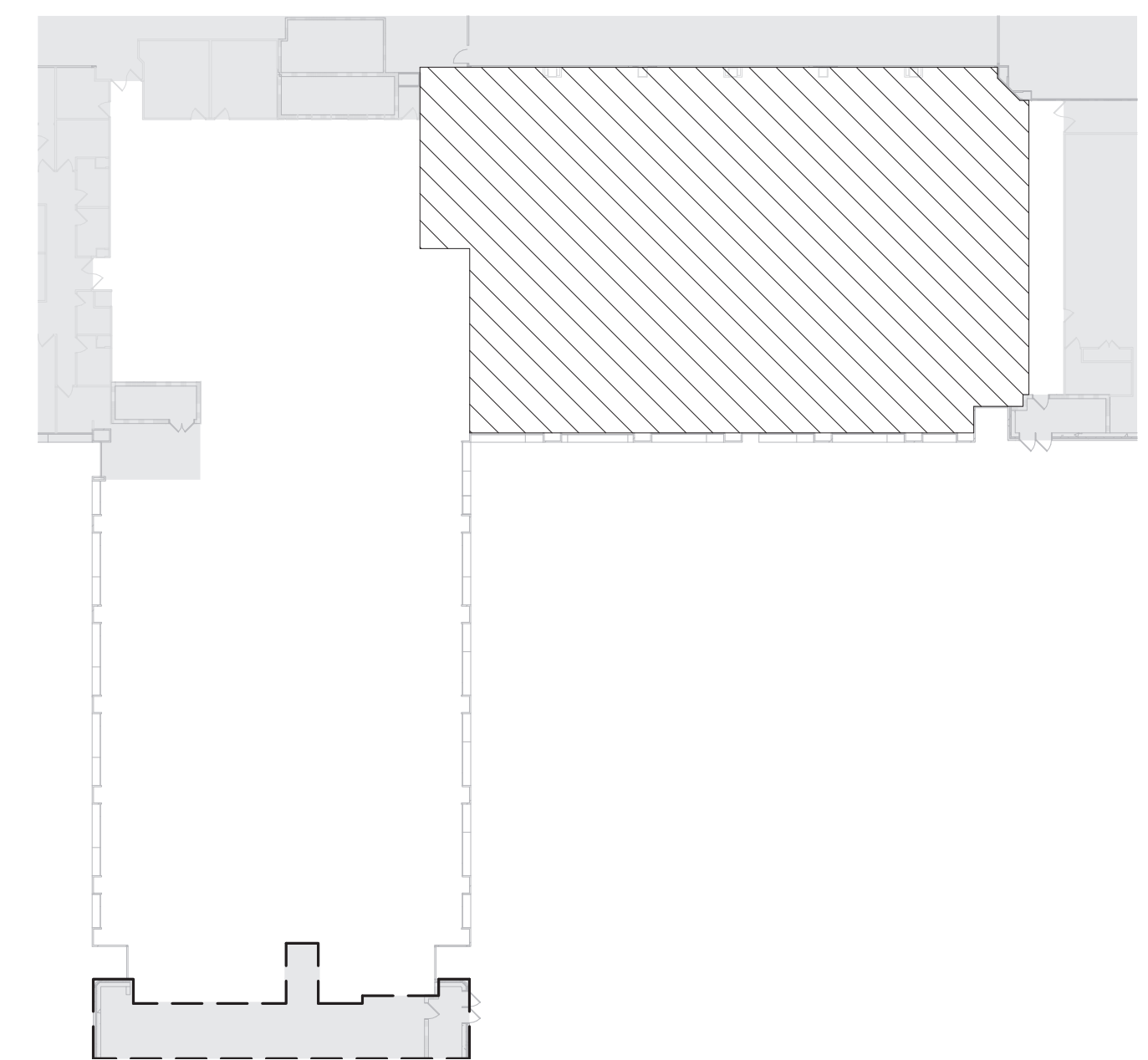
1 PHASING PLAN - LEVEL 1  
1/16" = 1'-0"



2 PHASING PLAN - LEVEL 1 - AREA L - PHASE 1  
1" = 40'-0"



3 PHASING PLAN - LEVEL 1 - AREA K & H - PHASE 2  
1" = 40'-0"



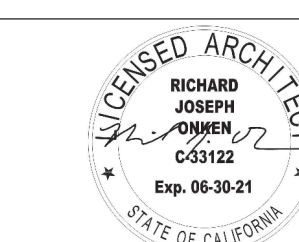
4 PHASING PLAN - LEVEL 1 - AREA L - PHASE 3  
1" = 40'-0"

REVISIONS	DATE

### GENERAL NOTES:

GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS. WHERE VARIATIONS ARE FOUND TO OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS & CEILING & FLOORS. ANY AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR BY TRADE. FIRESTOPPING OF THESE OPENINGS SHALL BE DONE BY THE RESPECTIVE SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED BY THE VARIOUS SUBCONTRACTORS.



Drawing Scale: As indicated  
Plot Scale: As indicated

Drawing Title: **OVERALL PHASING PLAN - LEVEL 1**  
Approved: Division Chief  
Approved: Service Director

Project Title: **Renovate Mental Health Inpatient Ward**  
Location: 1 Veterans Dr., Minneapolis, MN 55417  
Date: 01/07/2021  
Checked: RJO  
Drawn: JGG

Project No: 618-17-127  
Building Number: 70  
DRAWING NO.: **1338 - G1001**









GENERAL STRUCTURAL NOTES

- A. DESIGN DATA:
1. DESIGN CODES:
- ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- ASCE / SEI 7-10, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- AWS D1.1-10 STRUCTURAL WELDING CODE - STEEL
- AWS D1.4-11 STRUCTURAL WELDING CODE - REINFORCING STEEL
- IBC 2015, INTERNATIONAL BUILDING CODE, EXCEPT AS MODIFIED BY UFC 1-200-01 AND UFC 3-301-01
- UFC 1-200-01, DOD BUILDING CODE (GENERAL BUILDING REQUIREMENTS), CHANGE 2, 1 NOVEMBER 2018
- UFC 1-200-02, HIGH PERFORMANCE AND SUSTAINABLE BUILDING REQUIREMENTS, CHANGE 2, 7 JUNE 2018
- UFC 3-301-01, GEOTECHNICAL ENGINEERING, 1 NOVEMBER 2012
- UFC 3-301-01, STRUCTURAL ENGINEERING, CHANGE 4, 1 NOVEMBER 2018
- UFC 3-310-04, SEISMIC DESIGN FOR BUILDINGS, CHANGE 1, 20 JUNE 2016
- UFC 4-010-01, DOD MINIMUM ANTI-TERRORISM STANDARDS FOR BUILDINGS, CHANGE 1, 1 OCTOBER 2013
- UFC 4-010-02, DOD MINIMUM STAIRWAY DISTANCES FOR BUILDINGS, FEBRUARY 2012
- UFC 4-023-03, DESIGN OF BUILDINGS TO RESIST PROGRESSIVE COLLAPSE, CHANGE 3, 1 NOVEMBER 2016
- VA SEISMIC DESIGN REQUIREMENTS H-18.8, OCTOBER 2016
- VA PHYSICAL SECURITY DESIGN MANUAL FOR MISSION CRITICAL FACILITIES, JANUARY 2015
- VA PROGRAM GUIDE, PG-18-15, VOLUME C, NOVEMBER 2008
- OTHER SELECT REFERENCED STANDARDS MAY BE INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS, AS APPLICABLE.
- THE PROVISIONS OF THE REFERENCED BUILDING CODE AND ALL REFERENCE STANDARDS THEREIN SHALL APPLY TO THIS PROJECT, WHERE THERE IS A CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL BE APPLICABLE. GENERAL REQUIREMENTS NOT SHOWN IN DETAILS ARE NOT CONSIDERED CONFLICTS AND ARE STILL REQUIRED, AS APPLICABLE. TYPICALLY, THE LATEST EDITION OF CONSTRUCTION STANDARDS SHALL BE UTILIZED, AS APPROVED BY THE CONTRACTING OFFICER.
2. DESIGN LIVE LOADS:
A. THE "TYPICAL MINIMUM LIVE LOAD USED FOR DESIGN" INDICATED BELOW WAS USED FOR ALL OCCUPANCY OR USE TYPES, EXCEPT THOSE WHERE THE CODE SPECIFIED MINIMUM LIVE LOADS ARE GREATER. IN WHICH CASE THE ASSOCIATED LIVE LOAD INDICATED IN THE TABLE WAS USED FOR DESIGN. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR THE DEFINITION OF SPACES.
B. WHERE THE LIVE LOADS FOR WHICH EACH FLOOR OR PORTION THEREOF OF A COMMERCIAL AND INDUSTRIAL BUILDING IS OR HAS BEEN DESIGNED TO EXCEED 50 PSF, SUCH DESIGN LIVE LOADS SHALL BE CONSPICUOUSLY POSTED BY THE OWNER IN THAT PART OF EACH STORY IN WHICH THEY APPLY, USING DURABLE SIGNS. IT SHALL BE UNLAWFUL TO REMOVE OR DEFACE SUCH NOTICES.
C. LIVE LOAD REDUCTIONS APPLIED AS PER BUILDING CODE.
D. TYPICAL MINIMUM LIVE LOAD USED FOR DESIGN = 100 PSF AND 1,000 LBS CONCENTRATED LOAD.
3. SNOW LOADS:
A. ROOF SNOW LOADS, APPLIED IN ACCORDANCE WITH THE BUILDING CODE INDICATED HEREIN.
B. GROUND SNOW LOAD, Pg 50 PSF
C. FLAT ROOF SNOW LOAD, Pf 39 PSF
D. RAIN-ON-SNOW LOAD, Pi 0 PSF
E. RISK CATEGORY III (UFC 3-301-01, TABLE 2-2)
F. SNOW IMPORTANCE FACTOR, Is 1.10 (ASCE 7-10, TABLE 1.5-2)
G. EXPOSURE FACTOR, Ce 1.00 (ASCE 7-10, TABLE 7-2)
H. THERMAL FACTOR, Ct 1.00 (ASCE 7-10, TABLE 7-3)
4. WIND CRITERIA:
A. ULTIMATE DESIGN WIND SPEED (3-SECOND GUST) Vult = 120 MPH
B. NOMINAL DESIGN WIND SPEED (3-SECOND GUST) Vind = 93 MPH
C. RISK CATEGORY III (VA SEISMIC DESIGN REQUIREMENTS H-18.8, OCTOBER 2016)
D. WIND EXPOSURE C
E. ENCLOSURE CLASSIFICATION ENCLOSED
F. INTERNAL PRESSURE COEFFICIENT, Cpi +/- 0.18
G. WIND IMPORTANCE FACTOR, Iw 1.00 (ASCE 7-10, TABLE 1.5-2)
H. COMPONENT AND CLADDING LOADING AS INDICATED ON DRAWINGS
I. INTERIOR WALLS SHALL HAVE 5 PSF LATERAL LOAD APPLIED IN THE ABSENCE OF ANY WIND LOAD EFFECTS.

GENERAL STRUCTURAL NOTES

- 5. DESIGN SEISMIC LOADS:
A. ALL LOADS BASED ON IBC / ASCE 7 / UFC / VA SEISMIC DESIGN REQUIREMENTS H-18.8
B. RISK CATEGORY III (UFC 3-301-01, TABLE 2-2)
C. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
I. SS 0.050 (UFC 3-301-01, TABLE E-3)
II. S1 0.030 (UFC 3-301-01, TABLE E-3)
III. Fx 1.800
IV. Fv 2.400
V. SDS 0.053
VI. SD1 0.048
D. SITE CLASSIFICATION D (IBC 2015 SECTION 1613.3.2)
E. SEISMIC DESIGN CATEGORY A (IBC TABLE 1613.5.6 (1) & (2))
F. SEISMIC IMPORTANCE FACTOR 1.25 (UFC 3-301-01, TABLE 2-2)
G. LONG-PERIOD TRANSITION 12
H. ANALYSIS PROCEDURE USED N/A
6. DESIGN STRENGTHS:
A. INTERIOR SLAB-ON-GRADE Class F3 S0 W0 C0 Fc = 4,000 PSI AT 28 DAYS
B. ALL OTHER CONCRETE Class F2 S0 W0 C2 Fc = 4,000 PSI AT 28 DAYS
7. REINFORCING STEEL:
M. TYPICAL BARS (ASTM A615, GRADE 60) Fy = 60,000 PSI
IF THE FOLLOWING CONDITIONS ARE MET:
I. THE TESTED YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED Fy BY MORE THAN 18,000 PSI
II. THE RATIO OF THE TESTED TENSILE STRENGTH TO THE TESTED YIELD STRENGTH IS NOT LESS THAN 1.25
III. MINIMUM ELONGATION IN 8 INCHES SHALL BE AT LEAST 14 PERCENT FOR BAR SIZES NO. 3 THROUGH NO. 6, AT LEAST 12 PERCENT FOR BAR SIZES NO. 7 THROUGH NO. 11, AND AT LEAST 10 PERCENT FOR BAR SIZES NO. 14 AND NO. 18
IV. OTHERWISE, ASTM A706, GRADE 60 Fy = 60,000 PSI
8. FOUNDATION SYSTEM:
FOUNDATION DESIGN IS BASED ON PRESUMPTIVE LOAD BEARING VALUES OF SOILS AS FOLLOWS:
A. ASSUMED ALLOWABLE BEARING PRESSURE (IBC 2015 TABLE 1806.2) 1,500 PSF (DL + LL)
B. ASSUMED SUBGRADE MODULUS 100 PCI
C. ASSUMED MOIST SOIL UNIT WEIGHT 120 PCF
D. ALL INTERIOR SLAB-ON-GRADE SHALL BEAR ON 2 INCHES OF CLEAN SAND, CLASS A VAPOR BARRIER, AND 2 INCHES OF CLEAN SAND PER THE GEOTECHNICAL REPORT.
E. SITE PREPARATION (INCLUDING OVEREXCAVATION AND FILL), GRADING (INCLUDING SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION), AND USE OF NONEXPANSIVE FILL MATERIAL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS.
F. THE NATURAL SOIL BELOW THE FOOTINGS AND SLAB-ON-GRADE SHALL BE SURFACE COMPACTED PER THE GEOTECHNICAL REPORT.
G. NO FOOTINGS OR SLABS SHALL BE PLACED ONTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER PLACING CONCRETE UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE OR PROPER DEPTH OF BURY.
H. PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE GEOTECHNICAL ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT:
I. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED.
II. THE SOIL CONDITIONS ARE SUBSTANTIALLY IN CONFORMANCE WITH THE SOIL INVESTIGATION REPORT.
9. CIVIL DATUM:
A. PLAN ELEVATION OF 100'-0" CORRESPONDS TO CIVIL ELEVATION OF XXX'X" AT BUILDING (VERIFY IN FIELD).

GENERAL STRUCTURAL NOTES

- B. CONTRACTOR RESPONSIBILITIES:
1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (INCLUDING FIELD VERIFICATIONS OF EXISTING CONDITIONS AND DIMENSIONS) BEFORE STARTING WORK OR FABRICATING ANY REINFORCING STEEL, STRUCTURAL STEEL, COLD-FORMED STEEL ELEMENTS, OR OTHER STRUCTURAL ELEMENTS. THE ARCHITECT, CONTRACTING OFFICER AND ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND.
2. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF WALL, ROOF AND FLOOR OPENINGS AND SLEEVES, AND CONCRETE JOISTS UNDER EQUIPMENT. THE CONTRACTOR SHALL VERIFY EXACT SIZE AND LOCATION WITH EQUIPMENT FURNISHED. OPENINGS IN STRUCTURE TO BE HANDLED AS FOLLOWS:
A. OPENINGS THROUGH FLOORS AND ROOFS, WHICH MEASURE 12 INCHES OR LESS IN ALL DIRECTIONS, MAY BE CORED DRILLED (AT CONCRETE FILL) WITH APPROVAL FROM ENGINEER. CORING OF HOLES THROUGH BEAMS AND PAN JOISTS IS PROHIBITED.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF ALL THE NEW (AND/OR EXISTING) STRUCTURES FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.
4. CONTRACTOR SHALL ENSURE NO STRUCTURAL MEMBERS OR ELEMENTS ARE DAMAGED OR ALTERED BY OTHER TRADES. ANY SUCH DAMAGE THAT DOES OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS AND MANNER OF CONSTRUCTION AND FOR THE SAFETY OF PERSONS AND PROPERTY. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
6. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TEMPORARY GUYING, SHORING, BRACING, FORMING, ETC. TO HOLD THE STRUCTURE IN PROPER ALIGNMENT AND TO WITHSTAND ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING LATERAL LOADS, TEMPERATURE DIFFERENTIALS, STOCKPILES OF MATERIAL AND EQUIPMENT. SUCH MEASURES SHALL BE LEFT IN PLACE AS LONG AS REQUIRED FOR SAFETY AND UNTIL ALL FRAMING AND CONNECTIONS INCLUDING ROOF DECK ARE IN PLACE. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF SUCH TEMPORARY MEASURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.
8. COORDINATION WITH OTHER TRADES: THE CONTRACTOR SHALL COORDINATE ALL DEPRESSIONS, DIMENSIONS, ELEVATIONS, SLEEVES, CHASES, HANGERS, OPENINGS, INSERTS, ANCHORS, EQUIPMENT SUPPORTS, AND DETAILS WITH THE ENTIRE CONTRACT DOCUMENT PACKAGE, INCLUDING SPECIFICATIONS AND ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. FOR CONCRETE AND MASONRY CONSTRUCTION THE INSERTS, EMBEDDED PLATES, ETC. SHALL NOT INTERFERE WITH REINFORCEMENT LOCATIONS.
C. EXISTING CONSTRUCTION:
1. BEFORE FABRICATION AND ERECTION OF ANY MATERIALS, FIELD VERIFY ALL EXISTING ELEVATIONS, DIMENSIONS AND CONDITIONS AS SHOWN ON THE DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT AT ONCE.
2. CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTION OF EXISTING BUILDING DURING ALL PHASES OF CONSTRUCTION.
3. PROVIDE ALL SHORING, BRACING, ETC., AS REQUIRED TO TEMPORARILY SUPPORT THE EXISTING STRUCTURE DURING REMOVAL OF EXISTING STRUCTURAL ELEMENTS.
4. WHEN CUTTING A NEW OPENING IN EXISTING CONCRETE OR MASONRY, THE CONTRACTOR SHALL NOT OVER CUT AT CORNERS. CORE DRILL, CHIP AND GRIND AS REQUIRED AT CORNERS. A LAYOUT OF ALL PROPOSED OPENINGS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO SAWCUTTING.
5. CUTTING OF EXISTING STRUCTURAL STEEL IS PROHIBITED WITHOUT APPROVAL FROM THE ENGINEER.
D. CAST-IN-PLACE CONCRETE:
1. ALL REINFORCING STEEL SHALL BE DEFORMED, NEW, AND CONFORM TO THE SPECIFICATIONS.
2. CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT AT SURFACES NOT EXPOSED DIRECTLY TO EARTH OR WEATHER SHALL BE 3/4 INCH FOR SLABS, JOISTS, AND WALLS AND 1 1/2 INCH FOR BEAM STIRRUPS AND COLUMN TIES OR SPIRALS, UNLESS DETAILED OTHERWISE.
3. CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT AT SURFACES WHICH WILL BE EXPOSED TO THE WEATHER OR BE IN CONTACT WITH EARTH (BUT NOT CAST AGAINST) SHALL BE 2 INCH FOR BARS LARGER THAN #6 AND 1 1/2 INCH FOR #6 BARS OR SMALLER PROVIDE 3 INCH COVER FOR REINFORCEMENT CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, UNLESS DETAILED OTHERWISE.
4. PROVIDE 3/4 INCH CHAMFER ON ALL EXPOSED CONCRETE CORNERS.
5. NON-CONTINUOUS ENDS OF TOP BARS IN BEAMS AND SLABS SHALL TERMINATE IN A STANDARD HOOK (90-DEGREE OR 180-DEGREE), UNLESS DETAILED OTHERWISE.
6. WHERE THE WEIGHT OF EQUIPMENT OR MATERIALS BEING TRANSPORTED TO LOCATION, OR TEMPORARILY STORED, EXCEEDS THE DESIGN LIVE LOAD, PLANKING SHALL BE PROVIDED ON THE FLOOR SLAB AND SHORING PROVIDED BENEATH AS REQUIRED TO SUPPORT THE LOADS.
7. FORMWORK SHALL BE ADJUSTED BEFORE AND AFTER CONCRETE PLACING OPERATIONS (PRIOR TO INITIAL SET) TO COMPENSATE FOR FORMWORK DEFLECTION IN ADDITION TO ANY CAMBER SPECIFIED ON THE DRAWINGS.
8. PROVIDE EXTERIOR CORNER BARS SAME SIZE AND SPACING AS HORIZONTAL REINFORCING AT ALL CONCRETE WALLS AND FOOTINGS - LAP AS PER LAP SPLICE SCHEDULE BELOW.
9. PROVIDE LAP SPLICES IN CONFORMANCE WITH LAP SPLICE SCHEDULE BELOW, UNLESS OTHERWISE INDICATED. FOLLOW RESTRICTIONS ON LOCATIONS OF SPLICES AS INDICATED IN DETAILS, NOTES, OR SPECIFICATIONS.
10. WHERE NOTED ON THE DRAWINGS, PROVIDE STANDARD HOOKS IN CONFORMANCE WITH LAP SPLICE SCHEDULE, UNLESS OTHERWISE INDICATED.

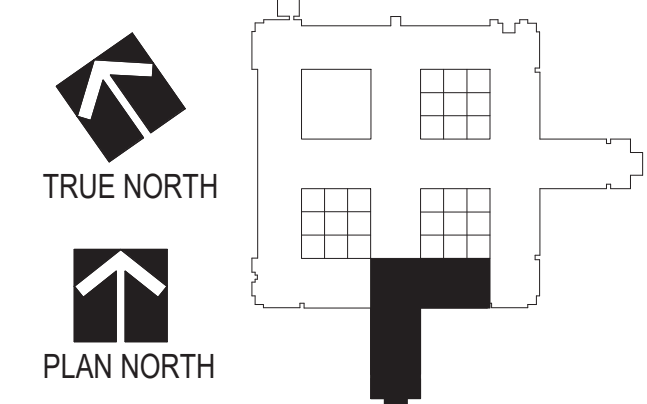
GENERAL STRUCTURAL NOTES

- 11. LOCATION AND SIZES OF OPENINGS, SLEEVES, ETC., REQUIRED FOR OTHER TRADES MUST BE VERIFIED BY THESE TRADES BEFORE PLACING CONCRETE.
12. NO PENETRATIONS (SUCH AS PIPE SLEEVES, ELECTRICAL CONDUITS, ETC.) THROUGH ANY STRUCTURAL MEMBER, SHALL BE MADE WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
13. CONDUITS, PIPES, AND SLEEVES IN CONCRETE SHALL BE NO CLOSER THAN (3) DIAMETERS ON CENTER. MINIMUM SPACING OF CONDUITS, PIPES OR SLEEVES OF DIFFERENT DIAMETERS SHALL BE DETERMINED USING THE LARGER DIAMETER.
14. CONDUITS, PIPES, AND SLEEVES SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN 1/3 THE OVERALL THICKNESS OF THE CONCRETE ELEMENT IN WHICH THEY ARE EMBEDDED.
TENSION LAP SPLICE LENGTH AND STANDARD HOOK DEVELOPMENT LENGTH FOR DEFORMED BARS (INCHES)
(GRADE 60 UNCOATED BARS, NORMAL WEIGHT CONCRETE)
TABLE WITH 6 COLUMNS: BAR SIZE, TYPE, Fc = 3,000 PSI, Fc = 3,500 PSI, Fc = 4,000 PSI, Fc = 4,500 PSI, Fc = 5,000 PSI.
TENSION LAP SPLICE LENGTH FOR DEFORMED BARS NOTES
1. TABULATED TENSION LAP SPLICE LENGTHS ARE FOR TOP BARS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE PLACED BELOW HORIZONTAL REINFORCEMENT. DIVIDE TABULATED LAP SPLICE LENGTHS BY A FACTOR OF 1.30 FOR VERTICAL BARS, BOTTOM BARS AT FOOTINGS AND AT SLAB-ON-GRADE.
3. ALL REBAR SPLICES SHALL BE STAGGERED 24 INCHES MIN (EVERY OTHER BAR) DEVELOPMENT LENGTH.
4. TABULATED VALUES ARE FOR UNCOATED OR ZINC-COATED (GALVANIZED) BARS. FOR EPOXY COATED BARS, MULTIPLY LENGTH BY 1.5.
5. IF CONCRETE COVER IS LESS THAN 10 x db OR C-C SPACING IS LESS THAN 33 x db, MULTIPLY LENGTH BY 1.5 (db = BAR DIAMETER).
6. STANDARD HOOKS:
IF CONCRETE SIDE COVER NORMAL TO PLANE OF HOOKS IS NOT LESS THAN 2 1/2 INCHES, AND FOR 90-DEGREE HOOKS WITH COVER ON THE BAR EXTENSION BEYOND THE HOOK NOT LESS THAN 2 INCHES, THE LENGTH MAY BE MULTIPLIED BY 0.7.
7. 90-DEGREE STANDARD HOOK EXTENSIONS SHALL BE 16" db FOR #3 BARS THROUGH #8 BARS, AND 17" db FOR #9 BARS THROUGH #11 BARS.

- N. SUBMITTALS
1. CONTRACTOR SHALL REVIEW, STAMP, SIGN AND DATE ALL SHOP DRAWINGS PRIOR TO FURNISHING TO ARCHITECT/ENGINEER. THE ENGINEER'S REVIEW IS TO BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, DIMENSIONS, ETC.
2. PRIOR TO FABRICATION, SUBMIT SHOP DRAWINGS IN THE FORM OF BLACKLINE PRINTS OR PORTABLE DOCUMENT FORMAT (PDF) FOR APPROVAL. IN NO CASE SHALL REPRODUCTION OF THE CONTRACT DRAWINGS BE USED AS SHOP DRAWINGS. DRAWINGS SHALL SHOW ERECTION PLANS, DIMENSIONS BRACING AND BRACING REQUIREMENTS, DETAILS, SUPPORTED MECHANICAL EQUIPMENT AND PIPING.
3. SUBMIT THE FOLLOWING ITEMS:
A. CONCRETE MIX DESIGN(S) MIX DESIGNS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. A SIGNED CERTIFICATION STATING COMPLIANCE WITH ACI 318, CHAPTER 5 SHALL BE SUBMITTED WITH EACH MIX DESIGN.
B. REINFORCING STEEL SHOP DRAWINGS
P. INTERPRETATION OF CONFLICT:
1. SHOULD CONFLICTS OCCUR IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REQUEST INTERPRETATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK. ALL SUCH REQUESTS SHALL FIRST BE PRECEDED BY A DILIGENT INVESTIGATION INTO THE CONTRACT DOCUMENTS. EVIDENCE OF SUCH INVESTIGATION SHALL BE CONTAINED IN ALL REQUESTS FOR INTERPRETATION SUBMITTED.
2. IF THE CONTRACTOR FAILS TO MAKE SUCH A REQUEST, NO EXCUSE WILL THEREAFTER BE ENTERTAINED FOR FAILURE TO CARRY OUT THE WORK IN A SATISFACTORY MANNER. SHOULD CONFLICTS OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR IS DEEMED TO HAVE ESTIMATED ON THE MORE EXPENSIVE WAY OF DOING THE WORK UNLESS HAVING ASKED FOR, AND OBTAINED, WRITTEN DECISION BEFORE SUBMISSION OF PROPOSAL AS TO WHICH METHOD OR MATERIALS WILL BE REQUIRED.
Q. SPECIAL INSPECTIONS:
1. SEE STATEMENT OF SPECIAL INSPECTIONS (S0I) ON SHEET SG002 FOR STRUCTURAL TESTS AND SPECIAL INSPECTIONS REQUIREMENTS.
R. PROVISIONS FOR FUTURE EXPANSION:
1. NO PROVISIONS FOR FUTURE EXPANSION HAVE BEEN MADE IN THE STRUCTURAL SYSTEMS.

GENERAL NOTES:

GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS. WHERE VARIATIONS ARE FOUND TO OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.
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Drawing Title: GENERAL STRUCTURAL NOTES
Approved: Division Chief
Approved: Service Director

Project Title: RENOVATE MH WARD 1L, 1H, AND 1K
Location: 1 Veterans Dr., Minneapolis, MN 55417
Date: 01/07/2021
Checked: TMP
Drawn: DOB

Project No: 618-17-127
Building Number: 70
DRAWING NO: 1338 - SG001

Office of Facilities Management
Department of Veterans Affairs

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature: Timothy Pipkorn
Typed or Printed Name: Timothy Pipkorn
Date: 1/7/2021 License Number: 47659

Table with 2 columns: REVISIONS, DATE

10:00:00 AM 1/7/2021



2015 IBC STATEMENT OF SPECIAL INSPECTIONS

THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED IN ACCORDANCE WITH UFC 3-301-01 SECTION 2-2.3.2.

PER SECTION 2.2.1 OF THE UFC 3-301-01, THE CONTRACTOR SHALL RETAIN THE SERVICES OF ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION ON THE TYPES OF WORK SPECIFIED IN SECTION 1705 AND IDENTIFY THE APPROVED AGENCIES TO THE AIA AUTHORITY HAVING JURISDICTION; THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE CONTRACTOR THAT ARE IDENTIFIED IN SECTION 110 OF THE IBC 2015.

THE APPROVED AGENCIES SHALL SUBMIT A SCOPE OF SERVICES FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. IN ADDITION, THE APPROVED AGENCIES SHALL PROVIDE WRITTEN DOCUMENTATION DEMONSTRATING THE COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION IN ACCORDANCE WITH IBC 2015 SECTION 1704.2.1.

THE SPECIAL INSPECTOR SHALL FOLLOW THE REPORT REQUIREMENTS OF IBC 2015 SECTION 1704.2.4. APPROVED AGENCIES SHALL KEEP RECORDS OF INSPECTIONS AND TESTS. THE APPROVED AGENCY SHALL FURNISH INSPECTION REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS, SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON PRIOR TO THE START OF WORK BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT TO THE BUILDING OFFICIAL.

PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.

CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.

THE SPECIAL INSPECTOR SHALL USE THE LATEST ISSUE OF THE STRUCTURAL RECORD DRAWINGS FOR THE INSPECTION OF THE STRUCTURE. DO NOT USE THE SHOP DRAWINGS FOR INSPECTION PURPOSES.

THE FOLLOWING LIST IDENTIFIES THE SECTIONS OF THE IBC WHICH APPLY TO THIS PROJECT. THE SPECIAL INSPECTOR SHALL ILLUSTRATE THEIR UNDERSTANDING OF THE SPECIAL INSPECTION REQUIREMENTS BY IDENTIFYING APPLICABLE ITEMS WITHIN EACH SECTION OF THEIR SUBMITTAL.

IBC SECTION 1704.2.5 INSPECTION OF FABRICATORS

SPECIAL INSPECTIONS OF FABRICATED ITEMS ARE REQUIRED WHEN STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES ARE BEING FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP.

THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.

SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5.1

IBC TABLE 1705.3 - REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

Table with 2 columns: MINIMUM TESTS and OTHER TESTS (PERFORMED EACH TIME A SET OF COMPRESSION TEST SPECIMENS ARE MADE). Includes items like Compressive Strength Tests, Slump Tests, and Temperature Tests.

Table with 5 columns: TYPE, CONTINUOUS SPECIAL INSPECTION, PERIODIC SPECIAL INSPECTION, REFERENCED STANDARD (a), and IBC REFERENCE. Lists inspection tasks such as inspecting reinforcement, welding, and anchors.

(a) WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE. (b) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES, WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

IBC TABLE 1706.6 - REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

Table with 3 columns: TYPE, CONTINUOUS SPECIAL INSPECTION, and PERIODIC SPECIAL INSPECTION. Lists soil inspection tasks like verifying materials and excavation depths.

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2015 IBC STATEMENT OF SPECIAL INSPECTIONS

STATEMENT OF TESTING

THE OWNER SHALL EMPLOY ONE OR MORE TESTING AGENCIES TO PROVIDE STRUCTURAL TESTING DURING CONSTRUCTION. THE MINIMUM STRUCTURAL TESTING REQUIRED IN ACCORDANCE WITH THE IBC, SECTION 1704 - IS SUMMARIZED BELOW.

THE TESTING AGENCY SHALL SUBMIT A SCOPE OF SERVICES FOR APPROVAL PRIOR TO COMMENCING CONSTRUCTION. IN ADDITION, THE TESTING AGENCY SHALL SUBMIT QUALIFICATIONS ASSOCIATED WITH EACH TYPE OF TESTS THAT WILL BE PERFORMED. THE TESTING AGENCY SHALL SUBMIT TEST RESULTS TO THE STRUCTURAL ENGINEER OF RECORD DURING CONSTRUCTION FOR VERIFICATION, INCLUDING A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 OF THE IBC.

SUMMARY OF REQUIRED STRUCTURAL TESTS

Table with 7 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REFERENCED STANDARD, IBC REFERENCE, YES, NO, N.A. Lists tests for concrete, expansion anchors, and adhesive anchors.

\*\* WHEN DIRECTED BY THE STRUCTURAL ENGINEER OF RECORD TO PROVIDE POST-INSTALLED ANCHORAGES THE FOLLOWING GUIDELINES SHALL BE FOLLOWED:

- 1. A REPRESENTATIVE OF THE ANCHOR MANUFACTURER OR PROJECT SPECIAL INSPECTOR SHALL BE ON SITE TO OVERSEE THE INSTALLATION OF THE FIRST FOUR ANCHORS FOR EACH TYPE OF ANCHOR INSTALLED. THIS MEASURE SHALL BE TAKEN FOR EACH INSTALLER OF THE ANCHORS. THIS SERVICE IS TYPICALLY PROVIDED FOR FREE BY THE LOCAL HILTI REPRESENTATIVE.
2. THE FIRST FOUR ANCHORS SHALL BE TENSION TESTED ONCE INSTALLATION IS COMPLETE FOR 100% OF THE SERVICE LEVEL LOAD CAPACITY AS SPECIFIED BY THE STRUCTURAL ENGINEER OF RECORD.

REQUIRED STRUCTURAL SUBMITTALS

- 1. THE REVIEW OF THE FOLLOWING SUBMITTALS IS INCLUDED IN THE STRUCTURAL ENGINEER OF RECORD'S (SEOR) SCOPE OF SERVICES. THE GENERAL CONTRACTOR SHALL PROVIDE THE ITEMS BELOW TO THE SEOR FOR REVIEW PRIOR TO CONSTRUCTION.
2. SHOP DRAWINGS SHALL BE ORIGINALS AND SHALL NOT BE CREATED, IN WHOLE OR IN PART, FROM THE ELECTRONIC STRUCTURAL CAD FILES OR REPRODUCTIONS OF THE STRUCTURAL DRAWINGS. REPRODUCING THE STRUCTURAL DRAWINGS WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER IS A VIOLATION OF COPYRIGHT LAWS AND CODE OF STANDARD PRACTICE. SUBMITTALS NOT ADHERING TO THESE PROVISIONS WILL BE REJECTED WITHOUT REVIEW.
3. SHOP DRAWING PACKAGES MUST BE COMPLETE WHEN SUBMITTED AND MUST INCLUDE CERTIFIED CALCULATIONS IF REQUIRED. INCOMPLETE SHOP DRAWING PACKAGES WILL BE REJECTED WITHOUT REVIEW.
4. PRIOR TO SUBMITTING SHOP DRAWINGS TO SEOR, THE SHOP DRAWINGS MUST BE REVIEWED AND COORDINATED BY THE GENERAL CONTRACTOR.
5. ELECTRONIC VERSION IN PDF FORMAT OF ALL REQUIRED SHOP DRAWINGS AND CALCULATIONS MUST BE SUBMITTED BY THE SUPPLIER AND A MINIMUM OF 10 BUSINESS DAYS MUST BE PROVIDED FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD.

LIST OF REQUIRED STRUCTURAL SUBMITTALS

Table with 3 columns: CATEGORY, ITEM, COMMENTS. Lists submittals for concrete, reinforcement, and mill certs.

2015 IBC STATEMENT OF SPECIAL INSPECTIONS

2015 IBC STATEMENT OF SPECIAL INSPECTIONS

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota. Signature: Timothy Pipkorn, Typed or Printed Name: Timothy Pipkorn, Date: 1/7/2021, License Number: 47659

Table with 2 columns: REVISIONS, DATE. Includes a revision table and a date field.

GENERAL NOTES section containing detailed project instructions and requirements.

CLH Calvin L. Hinz logo and contact information: 3705 North 200th Street, Elkhorst, Nebraska 68022, (402) 291-6941

TRUE NORTH and PLAN NORTH orientation diagrams.

Drawing Title: STATEMENT OF SPECIAL INSPECTIONS. Includes Drawing Scale, Plot Scale, and approval fields for Division Chief and Service Director.

Project Title: RENOVATE MH WARD 1L, 1H, AND 1K. Includes Location, Date, Checked, and Drawn fields.

Project No: 618-17-127, Building Number: 70, DRAWING NO: 1338 - SG002

Office of Facilities Management, Department of Veterans Affairs logo.

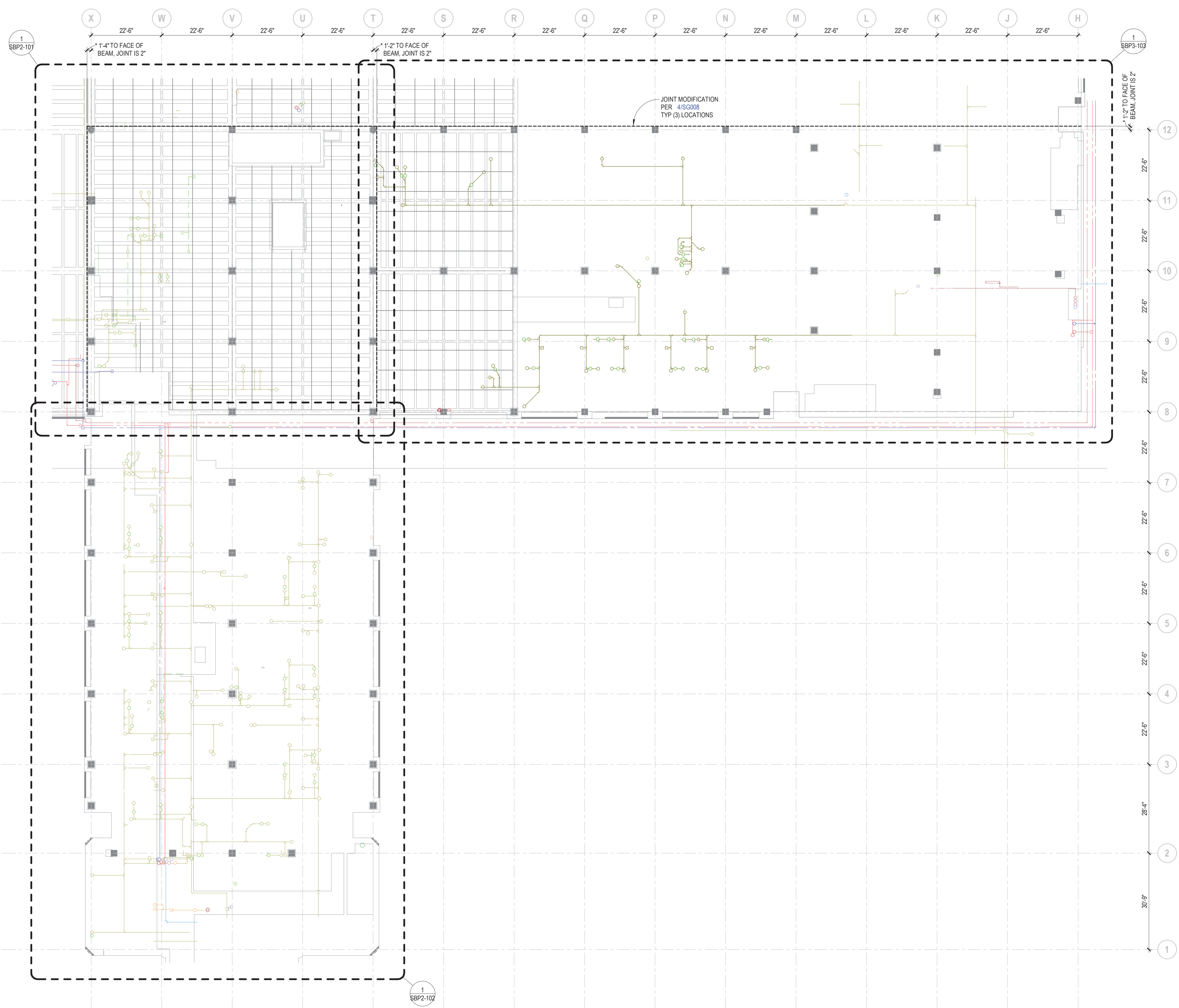






**FOUNDATION GENERAL NOTES**

1. FOR STRUCTURAL GENERAL NOTES AND SPECIAL INSPECTIONS - SEE SHEET SG001 AND SG002.
2. ALL DIMENSIONS FOR EXISTING CONDITIONS TO BE FIELD VERIFIED BY CONTRACTOR.
3. \* INDICATES DIMENSIONS TO BE COORDINATED WITH OTHER DISCIPLINES COORDINATE WITH CIVIL, MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS AND EQUIPMENT SUPPLIED FOR OPENING SIZES AND LOCATIONS AND SUPPORT LOCATIONS.
4. FOR 8" PIPE PENETRATIONS OR LESS INTO TUNNEL WALL SEE 6/SG008 WHERE LARGER PIPES INTERSECT WITH TUNNEL WALLS CONTRACTOR SHALL INFORM ENGINEER OF RECORD.




**1 FOUNDATION PLAN OVERALL**  
SCALE: 1/16" = 1'-0"

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.  
 Signature: *Timothy Pipkorn*  
 Typed or Printed Name: Timothy Pipkorn  
 Date: 1/7/2021 License Number: 47659


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**CLH**  
Calvin L. Hinz  
3705 North 200th Street  
Elkhorn, Nebraska 68022  
(402) 291-6941



TRUE NORTH



PLAN NORTH

Drawing Scale	As indicated
Plot Scale	

Drawing Title	
<b>FOUNDATION PLAN OVERALL FINAL</b>	
Approved: Division Chief	
Approved: Service Director	

Project Title	
<b>RENOVATE MH WARD 1L, 1H, AND 1K</b>	
Location	
1 Veterans Dr., Minneapolis, MN 55417	
Date	01/07/2021
Checked	TMP
Drawn	DDB

Project No.	618-17-127
Building Number	70
DRAWING NO.	<b>1338 - SB100</b>

**Office of  
Facilities  
Management**



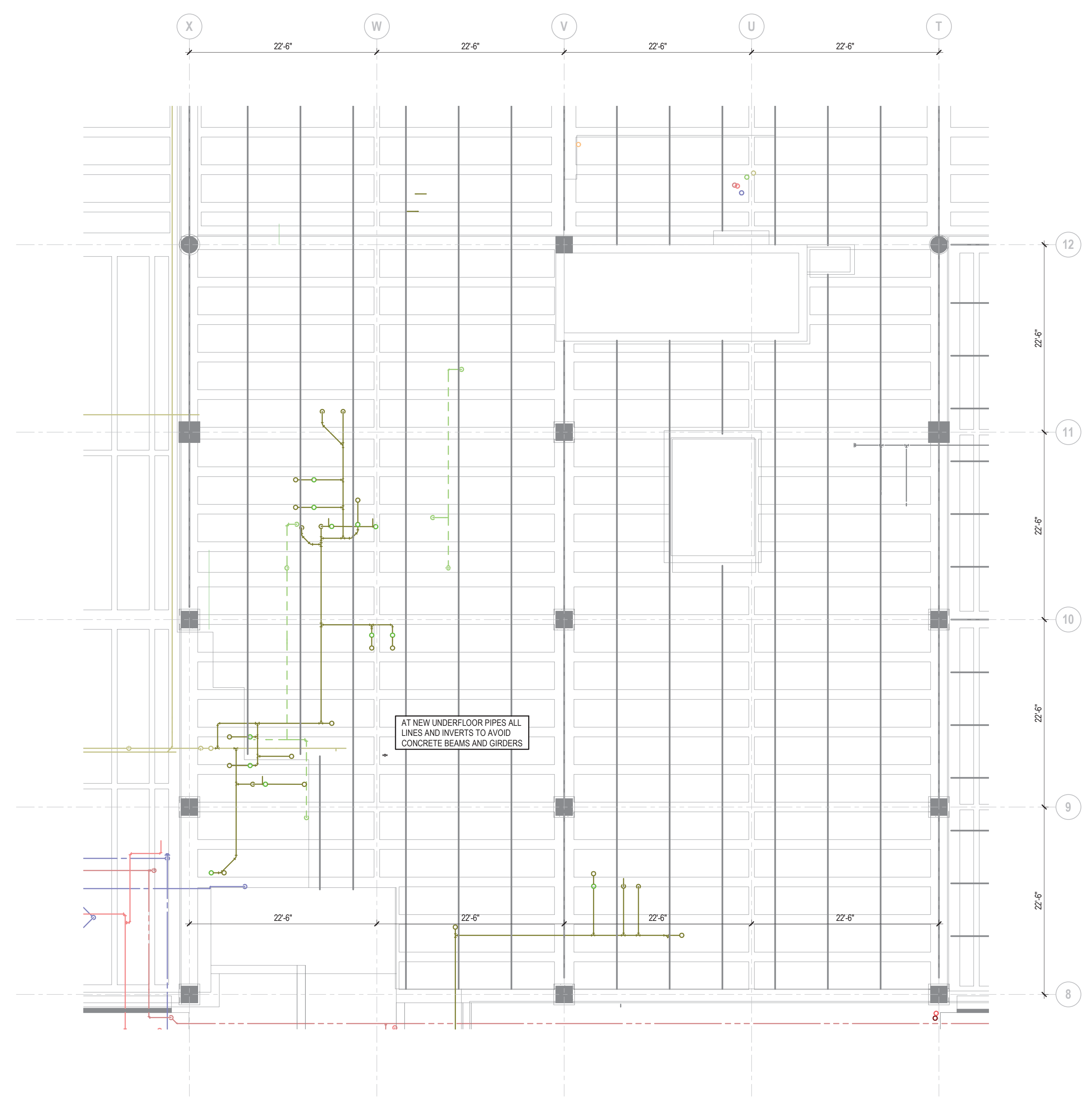
Department of  
Veterans Affairs

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 jgarcia



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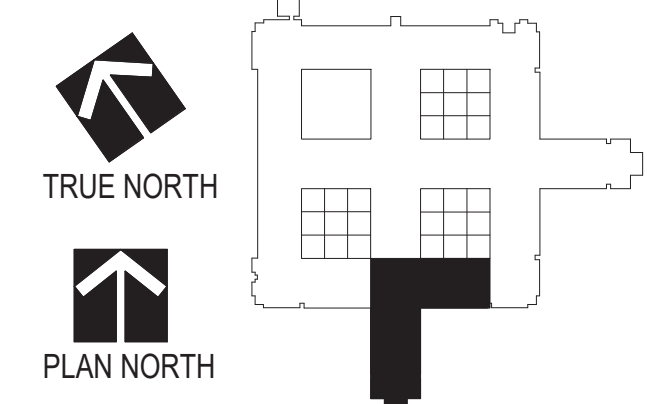
**1 FOUNDATION PLAN PHASE 2 AREA H**  
SCALE: 1/8" = 1'-0"

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.  
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 Typed or Printed Name: Timothy Pipkorn  
 Date: 1/7/2021 License Number: 47659

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REVISIONS	DATE

Drawing Title <b>FOUNDATION PLAN PHASE 2 - AREA H</b>		Project Title <b>RENOVATE MH WARD 1L, 1H, AND 1K</b>		Project No. 618-17-127	
Drawing Scale As indicated		Approved: Division Chief		Building Number 70	
Plot Scale		Approved: Service Director		Location 1 Veterans Dr., Minneapolis, MN 55417	
Date 01/07/2021		Checked TMP		Drawn DDB	
DRAWING NO. <b>1338 - SBP2-101</b>		Office of Facilities Management Department of Veterans Affairs			

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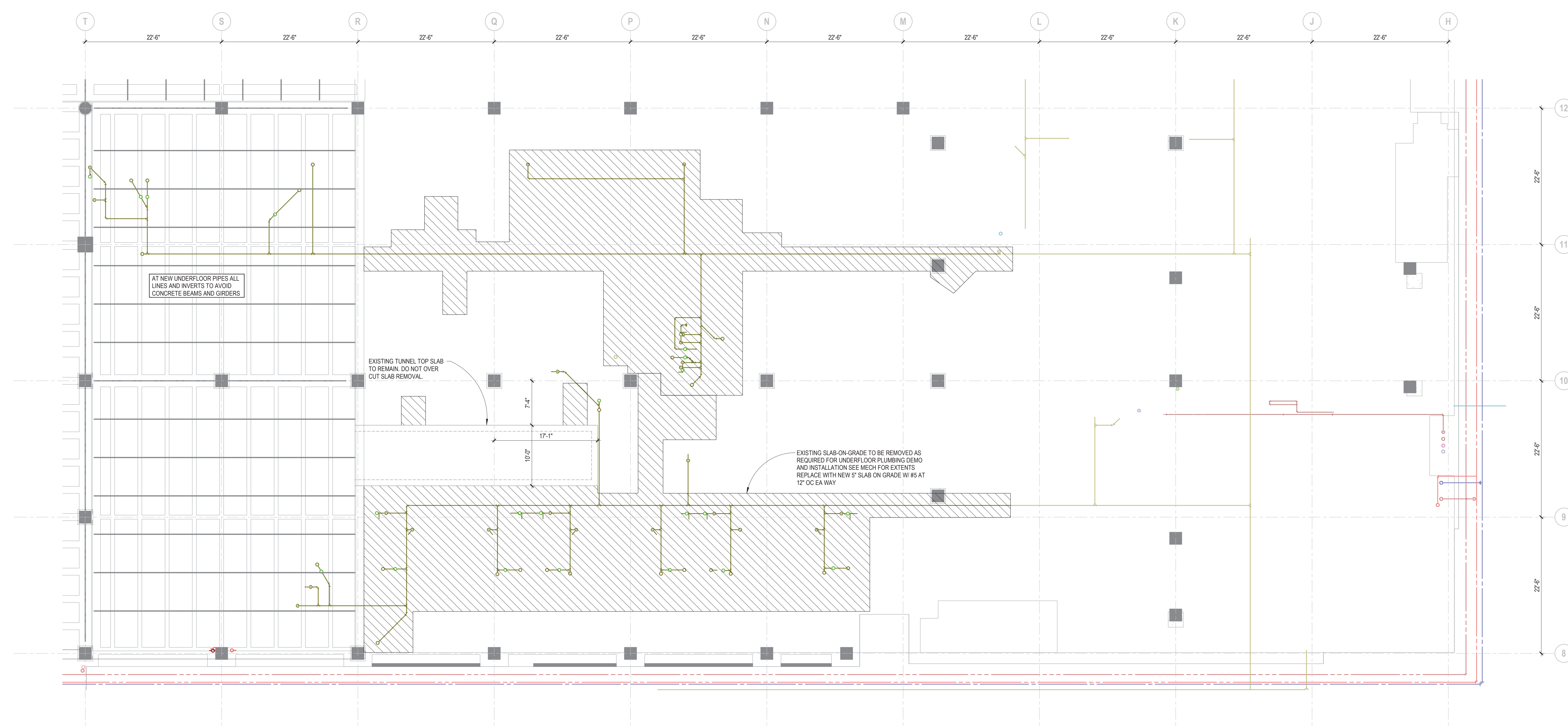






**FOUNDATION GENERAL NOTES**

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**1 FOUNDATION PLAN PHASE 3 AREA L**  
SCALE: 1/8" = 1'-0"

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.  
 Signature: *Timothy Pipkorn*  
 Typed or Printed Name: Timothy Pipkorn  
 Date: 1/7/2021 License Number: 47659

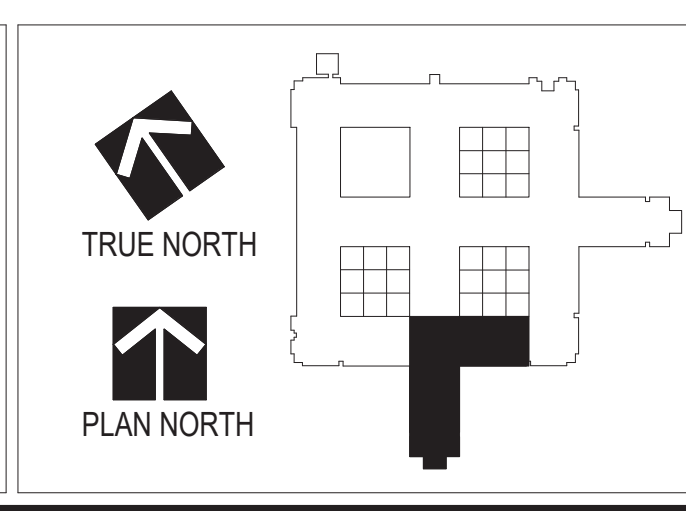
NO.	REVISIONS	DATE

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**CLH**  
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 3705 North 200th Street  
 Elkhorn, Nebraska 68022  
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Drawing Title <b>FOUNDATION PLAN PHASE 3 - AREA L</b>	Project Title <b>RENOVATE MH WARD 1L, 1H, AND 1K</b>
Drawing Scale As indicated	Location 1 Veterans Dr., Minneapolis, MN 55417
Approved: Division Chief	Date 01/07/2021
Approved: Service Director	Checked TMP
Plot Scale	Drawn DOB

Project No. 618-17-127	Office of Facilities Management
Building Number 70	
DRAWING NO. <b>1338 - SBP3-103</b>	Department of Veterans Affairs

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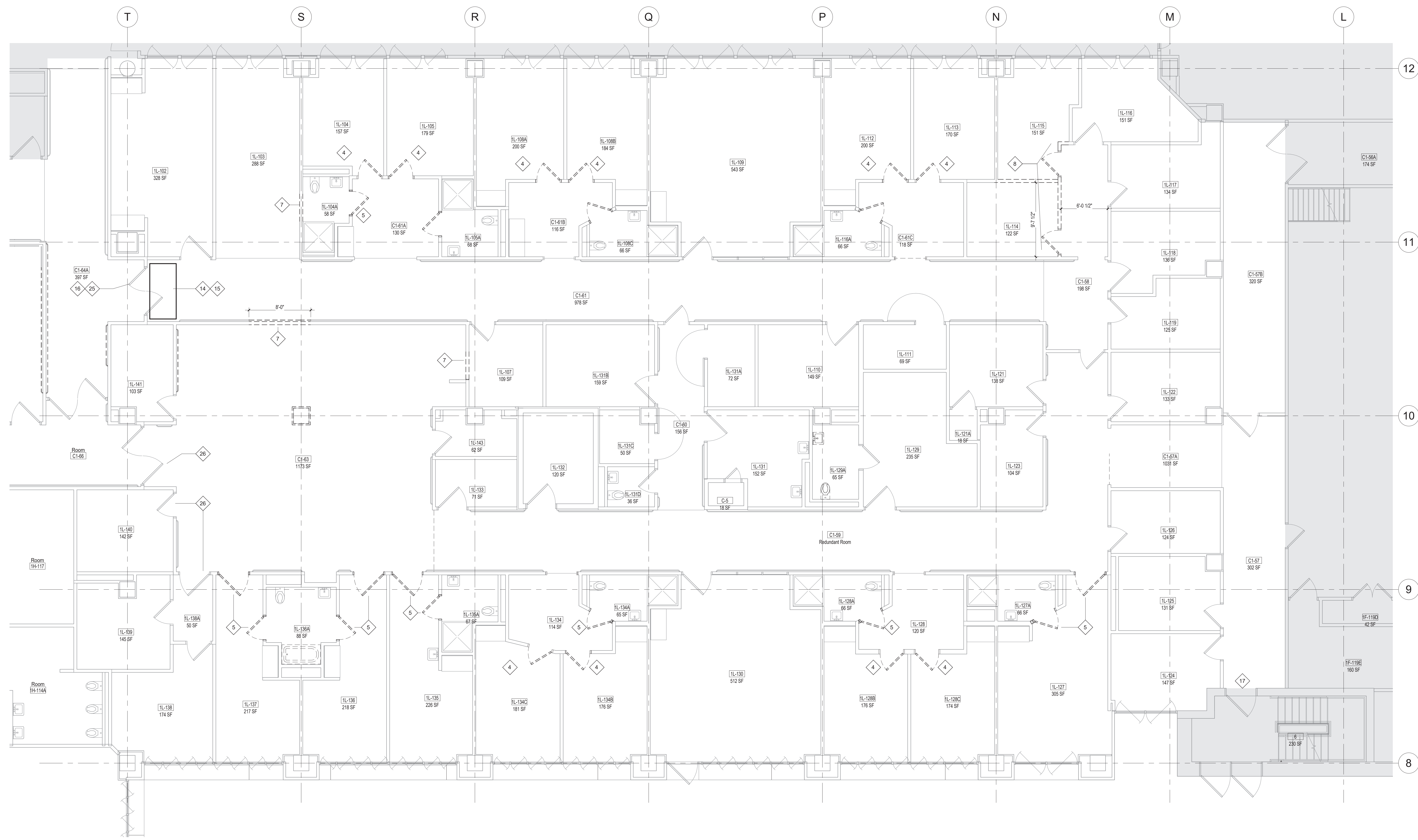












1 PHASE 1 DEMOLITION - AREA L  
3/16" = 1'-0"

**DEMOLITION PLAN LEGEND**

- FULL HEIGHT ONE-HOUR FIRE RATED TEMPORARY PARTITION
- ELEMENT TO BE REMOVED, TYPICAL
- INDICATES AREA TO BE REMOVED, TYPICAL
- EXISTING CONSTRUCTION TO REMAIN UNO.

**NOTE:**

REFER TO SHEET A-001 RENOVATION AND DEMOLITION GENERAL NOTES.

**DEMOLITION KEY NOTES**

- 4 REMOVE EXISTING DOOR. PAINT FRAME AS NEEDED TO MATCH EXISTING.
- 5 REMOVE EXISTING DOOR AND FRAME.
- 7 REMOVE PORTION OF EXIST GWB/METAL STUD WALL. PROTECT ADJACENT SURFACES.
- 8 REMOVE ALL PLUMBING FIXTURES IN THIS ROOM.
- 14 STICKY WALK-OFF MAT AT CONSTRUCTION ENTRANCES.
- 15 CONTRACTOR AND MATERIAL INGRESS/EGRESS PATH. MAINTAIN PATH FOR EGRESS DURING CONSTRUCTION.
- 16 ERECT NON-COMBUSTIBLE TEMPORARY CONSTRUCTION BARRIER. SEE TEMPORARY PARTITION DETAIL ON A002.
- 25 EXISTING DOORS ARE TO BE USED AS A PART OF CONSTRUCTION PARTITION AND ARE TO BE DEMO'D AND PREPPED FOR NEW DOORS IF SHOWN AS A TEMPORARY PARTITION WHEN CURRENT DEMOLITION PHASE HAS BEEN COMPLETED.
- 26 EXISTING DOORS ARE TO BE SECURED SHUT AND ARE NOT BE ACCESSIBLE. COORDINATE WITH COR.

**PHASE 1 GENERAL NOTES**

THIS AREA WILL BE A TEMPORARY MENTAL HEALTH WARD DURING PHASE TWO OF CONSTRUCTION. THE INTENT IS TO RECREATE WHAT THE CURRENT MENTAL HEALTH WARD HAS NOW WITH DISTURBING THE EXISTING LAYOUT AS LITTLE AS POSSIBLE.

REVISIONS	DATE

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Drawing Title  
**ARCHITECTURAL DEMOLITION PLANS - LEVEL 1 - AREA L - PHASE 1**

Approved: Division Chief

Approved: Service Director

Project Title  
**Renovate Mental Health Inpatient Ward**

Location  
1 Veterans Dr., Minneapolis, MN 55417

Date  
01/07/2021

Checked  
RJO

Drawn  
JJK/KNRG

Project No.  
618-17-127

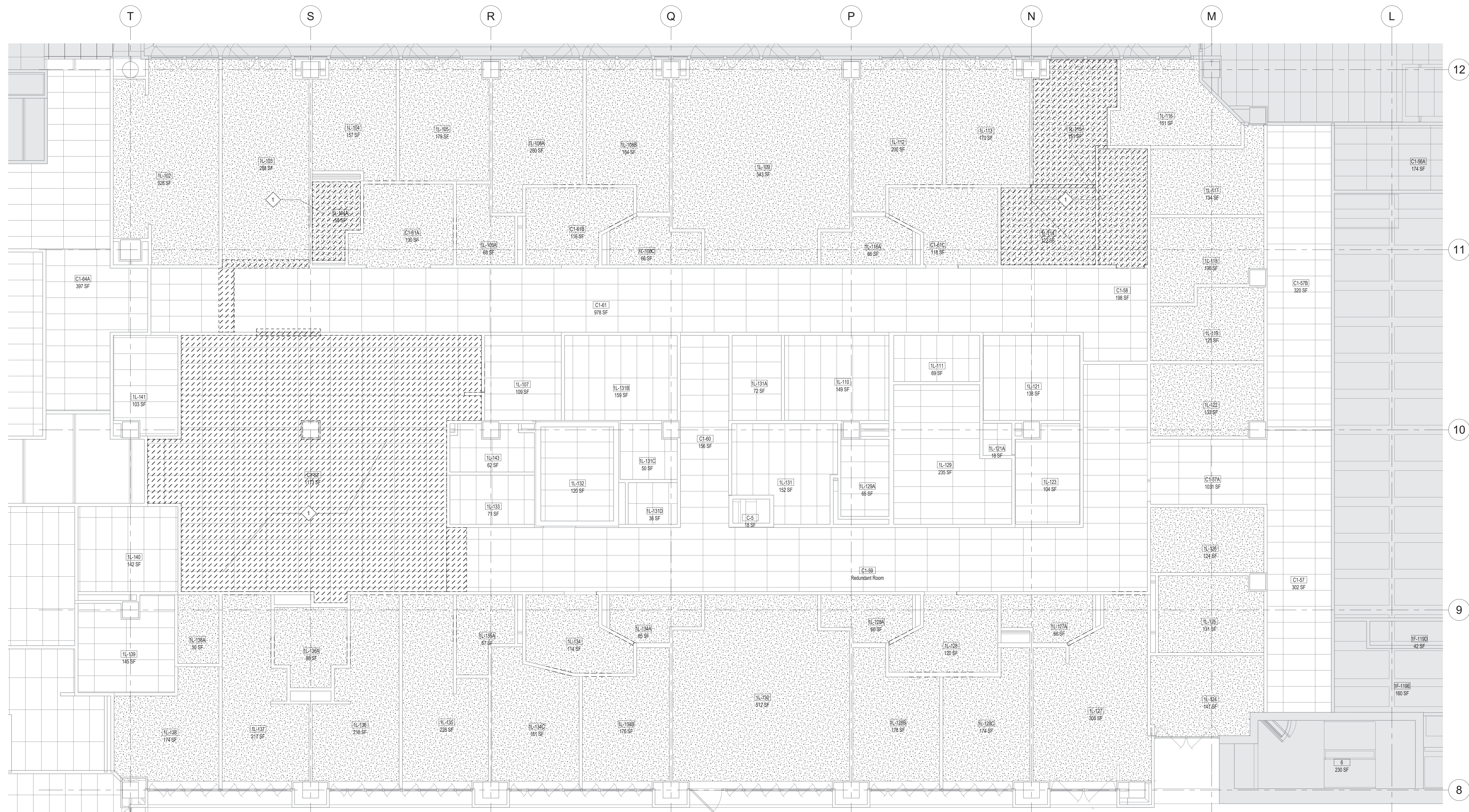
Building Number  
70

DRAWING NO.  
**1338 - AD101-P1**

Office of Facilities Management

Department of Veterans Affairs





1 PHASE 1 DEMOLITION - AREA L RCP  
3/16" = 1'-0"

**DEMOLITION PLAN LEGEND**

- FULL HEIGHT ONE-HOUR FIRE RATED TEMPORARY PARTITION
- ELEMENT TO BE REMOVED, TYPICAL
- INDICATES AREA TO BE REMOVED, TYPICAL
- EXISTING CONSTRUCTION TO REMAIN UNO.

**NOTE:**

REFER TO SHEET A-001 RENOVATION AND DEMOLITION GENERAL NOTES.

**DEMOLITION KEY NOTES**

- 1 REMOVE EXISTING CEILING AS NEEDED AND PREP FOR NEW CONSTRUCTION

**REFLECTED CEILING PLAN LEGEND**

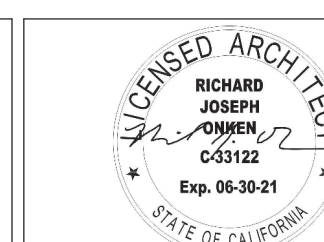
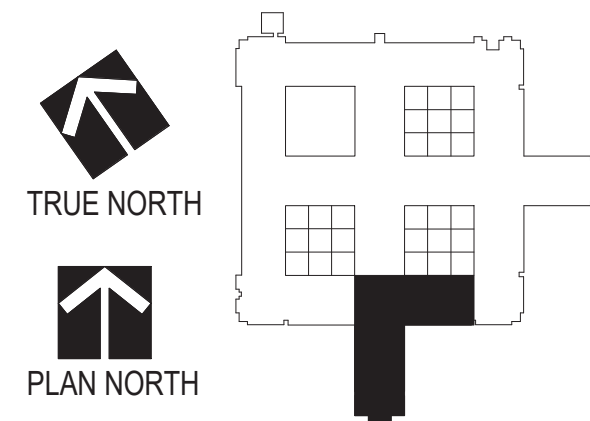
- |  |                                      |  |   |
|--|--------------------------------------|--|---|
|  | ROOM EMERGENCY INDICATOR LIGHT       |  | RETURN / EXHAUST GRILLE                   |
|  | RECESSED LIGHT FIXTURE               |  | SUPPLY DIFFUSER                           |
|  | EGRESS LIGHTING / EMERGENCY LIGHTING |  | 2 x 2' ACOUSTICAL TILE CEILING            |
|  | RECESSED CAN LIGHT                   |  | 2 x 4' ACOUSTICAL TILE CEILING            |
|  | WALL MOUNTED LUMINAIRE               |  | SOLID SURFACE CEILING                     |
|  | LINEAR PENDANT                       |  | 4' x 96" METAL LINEAR SOFFIT PLANS - MC-1 |
|  | SECURITY CAMERA                      |  | ACCESS PANEL                              |
|  | SPEAKER                              |  | OCCUPANCY SENSOR                          |
|  | EXIT SIGN                            |  | CEILING FAN                               |
|  | SMOKE DETECTOR                       |  | SPRINKLER HEAD                            |
|  | MOTION SENSOR                        |  |   |
|  | RADIO REPEATER                       |  |   |
|  | 360 OR 180 SECURITY DOME MIRROR      |  |   |

**GENERAL NOTES:**

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**CLH**  
Calvin L. Hinz  
3705 North 200th Street  
Elkhorn, Nebraska 68022  
(402) 291-6941



Drawing Scale: As indicated  
Plot Scale:

Drawing Title: **ARCHITECTURAL DEMOLITION PLANS - RCP - LEVEL1 - AREA L - PHASE 1**

Approved: Division Chief  
Approved: Service Director

Project Title: **Renovate Mental Health Inpatient Ward**

Location: 1 Veterans Dr., Minneapolis, MN 55417  
Date: 01/07/2021  
Checked: RJO  
Drawn: JJK/KNRG

Project No. 618-17-127

Building Number 70

DRAWING NO. **1338 - AD101.A-P1**

Office of Facilities Management


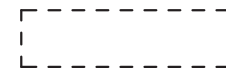
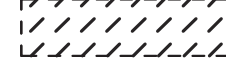





**DEMOLITION KEY NOTES**

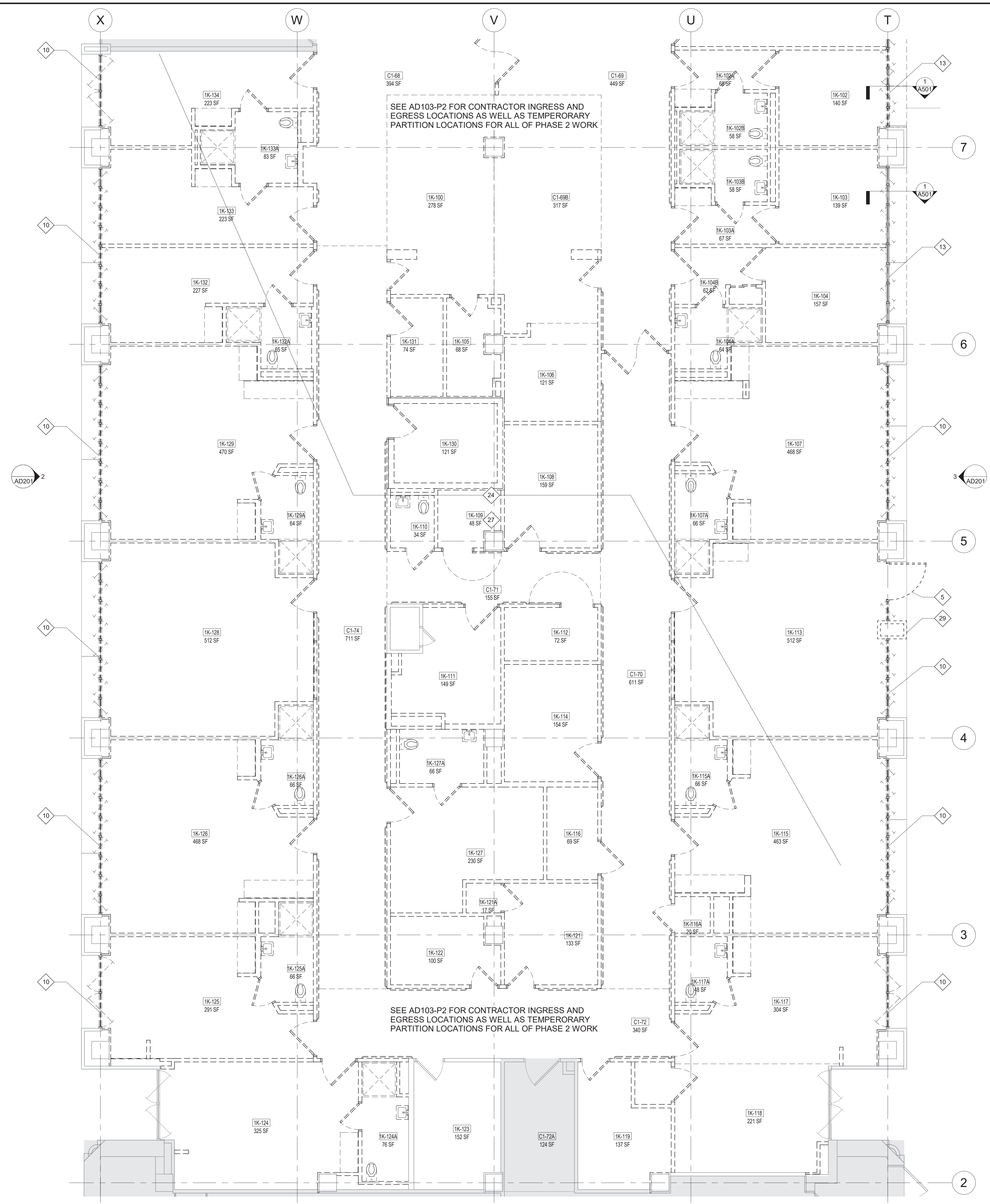
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- 2 REMOVE EXISTING CASEWORK.
- 3 REMOVE EXISTING WALL FURRING. PROTECT EXISTING ELEMENTS & STRUCTURE.
- 4 REMOVE EXISTING DOOR. PAINT FRAME AS NEEDED TO MATCH EXISTING.
- 5 REMOVE EXISTING DOOR AND FRAME.
- 6 REMOVE EXISTING WALL IN ITS ENTIRETY.
- 7 REMOVE PORTION OF EXIST GWB/METAL STUD WALL. PROTECT ADJACENT SURFACES.
- 8 REMOVE ALL PLUMBING FIXTURES IN THIS ROOM.
- 9 PROTECT AND RETAIN SOILED LINEN CHUTE WHICH WILL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION SERVING OTHER FLOORS
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- 11 EXISTING TOILET ROOMS – REMOVE ALL PLUMBING FIXTURES; REMOVE CERAMIC TILE FLOORING TO CONCRETE SUBSTRATE. SEE MEP DEMO DRAWINGS FOR CAPPING OF EXISTING PLUMBING LINES.
- 12 REMOVE EXISTING FINISHES AND CEILING.
- 13 REMOVE EXISTING WINDOW, PRE-CAST SILL, AND FRAMING. SEE DETAIL 1/A501 FOR MORE INFORMATION.
- 14 STICKY WALK-OFF MAT AT CONSTRUCTION ENTRANCES.
- 15 CONTRACTOR AND MATERIAL INGRESS/EGRESS PATH. MAINTAIN PATH FOR EGRESS DURING CONSTRUCTION.
- 16 ERECT NON-COMBUSTIBLE TEMPORARY CONSTRUCTION BARRIER. SEE TEMPORARY PARTITION DETAIL ON A002.
- 17 EXIST DOOR AT STAIRS TO REMAIN ACCESSIBLE DURING DURATION OF CONSTRUCTION FOR EMERGENCY EGRESS.
- 18 SEE ELEC. FOR WORK ASSOCIATED W/ DATA CLOSET; SCHEDULE & COORDINATE WORK IN CLOSET W/ COR.
- 19 EXIST FIRE SPRINKLERS IN ROOM TO REMAIN (TYP).
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- 21 EXTENTS OF WORK/LAYDOWN AREAS FOR THIS PROJECT.
- 22 REMOVE EXISTING SHOWER STALLS, CERAMIC TILE, AND FLOOR DRAINS.
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**DEMOLITION PLAN LEGEND**

-  FULL HEIGHT ONE-HOUR FIRE RATED TEMPORARY PARTITION
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-  INDICATES AREA TO BE REMOVED, TYPICAL
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**NOTE:**

REFER TO SHEET A-001 RENOVATION AND DEMOLITION GENERAL NOTES.



1 DEMO PHASE 2 AREA K  
3/16" = 1'-0"

NO.	REVISIONS	DATE

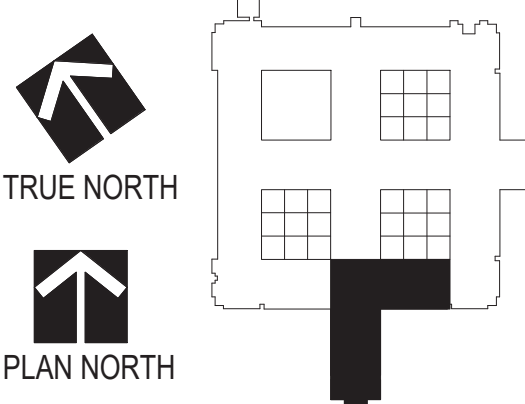
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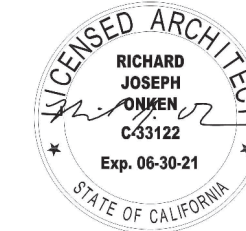
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3705 North 200th Street  
Elkhorn, Nebraska 68022  
(402) 291-6941



TRUE NORTH  
PLAN NORTH



Richard Joseph  
Professional Architect  
No. 06-30-21  
STATE OF CALIFORNIA

Drawing Title  
**ARCHITECTURAL DEMOLITION PLANS - LEVEL 1 - AREA K - PHASE 2**

Approved: Division Chief  
Approved: Service Director

Project Title  
**Renovate Mental Health Inpatient Ward**

Location  
1 Veterans Dr., Minneapolis, MN 55417

Date  
01/07/2021

Checked  
RJO

Drawn  
JGK/KNRG

Project No.  
618-17-127

Building Number  
70

DRAWING NO.  
**1338 - AD102-P2**

Office of Facilities Management



Department of Veterans Affairs



**DEMOLITION KEY NOTES**

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**REFLECTED CEILING PLAN LEGEND**

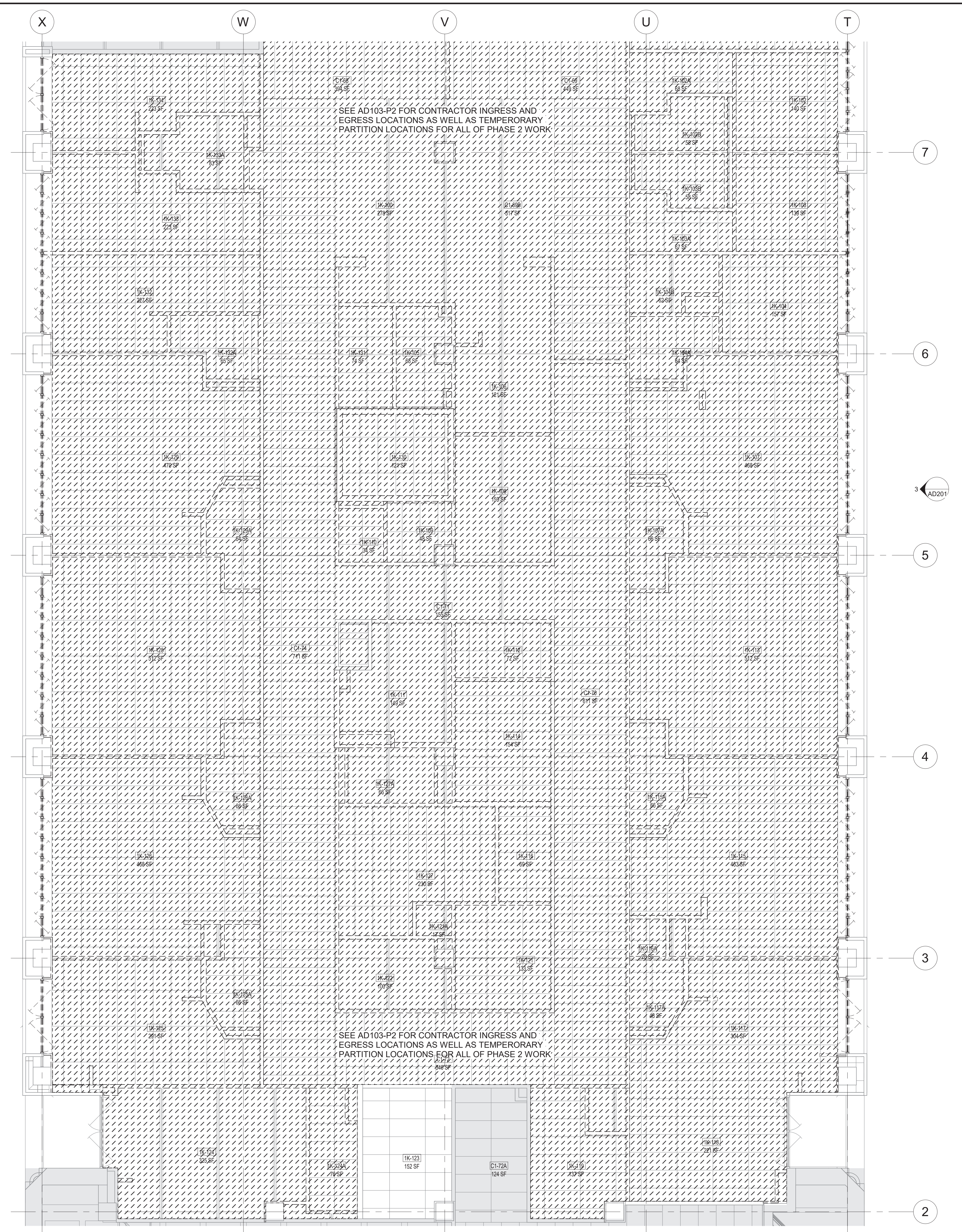
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	LINEAR PENDANT		4" x 96" METAL LINEAR SOFFIT PLANS - MC-1
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	SPEAKER		OCCUPANCY SENSOR
	EXIT SIGN		CEILING FAN
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**DEMOLITION PLAN LEGEND**

	FULL HEIGHT ONE-HOUR FIRE RATED TEMPORARY PARTITION
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**NOTE:**

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1 PHASE 2 AREA K DEMO - RCP  
3/16" = 1'-0"

NO.	REVISIONS	DATE

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Elkhorn, Nebraska 68022  
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TRUE NORTH  
PLAN NORTH

REGISTERED ARCHITECT  
RICHARD JOSEPH SCHMIDT  
STATE OF CALIFORNIA  
Exp. 06-30-21

Drawing Scale: As indicated  
Plot Scale: As indicated

Drawing Title  
**ARCHITECTURAL DEMOLITION PLANS - RCP - LEVEL 1 - AREA K - PHASE 2**

Approved: Division Chief  
Approved: Service Director

Project Title  
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