DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE

1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

(RFB# 928300-01)

PROJECT TEAM

OWNER:
DEPTARTMENT OF ADMINISTRATIVE SERVICES (DAS)
109 SE 13TH STREET
DES MOINES, IA 50319
PH: (515) 322-2893

A/E DESIGN TEAM:
KPE ARCHITECTURE-ENGINERING-FORENSICS
1016 LEAVENWORTH STREET
OMAHA, NE 68102
PH: (402) 291-1444

CONSTRUCTION MANAGER:
STORY CONSTRUCTION
2810 WAKEFIELD CIRCLE
AMES, IA 50010
PH: (515) 232-4358

CIVIL ENGINEER
SNYDER & ASSOCIATES
6809 S. MINNESOTA AVENUE; #203
SIOUX FALLS, SD 57108
PH: (605) 274-3345

STRUCTURAL ENGINEER:
SHUCK - BRITSON
400 COURT AVENUE; SUITE 140
DES MOINES, IA 50309
PH: (515) 243-447

FIRE PROTECTION ENGINEER:
SUMMIT FIRE CONSULTING
11 S. 15TH STREET
FARGO, ND 58103
PH: (701) 499-1391

SCHEDULE OF ALTERNATES

ALTERNATE NO. 1: SNOW MELT SYSTEM FOR EXTERIOR RAMP & STAIRS

BASE BID: PROVIDE SNOW MELT SYSTEM PER DRAWINGS.

ALTERNATE: REMOVE SNOW MELT SYSTEM FROM THE PROJECT. REFER TO SHEETS M111, E110, E111, AND ES01,

PROJECT LOCATION

VOLDENG BUILDING
CHEROKEE MENTAL HEALTH INSTITUTE
CHEROKEE, IA 51012

NORTH

VICINITY MAP

STAMPS

I HEREBY CERTIFY THAT THE PORTION OF THIS TECHICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.

LICENSED PROFESSIONAL ARCHITECT MICHAEL J. MCLENNAN 06845 IOWA

Signature: [signature] Date: 09/01/23
Printed or typed name: Michael J. McLennan
License number: 06845
My license renewal date is: June 30, 2025
Pages or sheets covered by this seal: A & G Series, (Except for Sheets AB110, AB111 & AB112, see sheets for designer information)

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

LICENSED PROFESSIONAL ENGINEER DANIEL M. STRAIN P-27000 IOWA

Signature: [signature] Date: 9-1-23
Printed or typed name: Daniel M. Strain
License number: P27000
My license renewal date is: December 31, 2024
Pages or sheets covered by this seal: M & P Series

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

LICENSED PROFESSIONAL ENGINEER DARIN M. LIGTENBERG P14844 IOWA

Signature: [signature] Date: 9/01/2023
Printed or typed name: Darin M. Ligtenberg
License number: P14844
My license renewal date is: December 31, 2024
Pages or sheets covered by this seal: C Series

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

LICENSED PROFESSIONAL ENGINEER MARK ALLEN SORNSIN P25032 IOWA

Signature: [signature] Date: Sept. 1, 2023
Printed or typed name: Mark A. Sornsin
License number: P25032
My license renewal date is: December 31, 2023
Pages or sheets covered by this seal: FP Series

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

LICENSED PROFESSIONAL ENGINEER CRAIG G. GERMAN 17392 IOWA

Signature: [signature] Date: 09/01/23
Printed or typed name: Craig G. German
License number: P17392
My license renewal date is: December 31, 2024
Pages or sheets covered by this seal: S Series

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

LICENSED PROFESSIONAL ENGINEER Patrick D. Straatmann 21195 IOWA

Signature: [signature] Date: 9-1-23
Printed or typed name: Patrick D. Straatmann
License number: P21195
My license renewal date is: December 31, 2023
Pages or sheets covered by this seal: E Series

SCHEDULE OF DRAWINGS

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

COVER SHEET

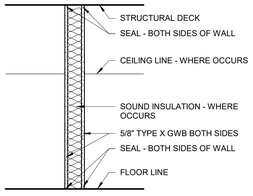
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

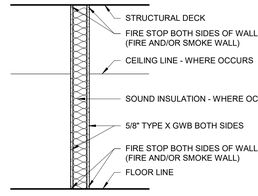
KPE ARCHITECTURE ENGINEERING FORENSICS

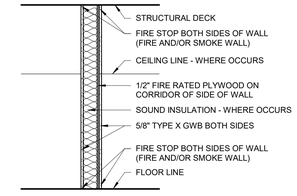
DATE: 09-01-2023

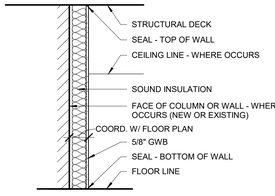
JOB NUMBER: 257-014

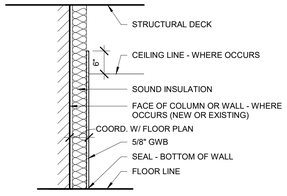
SHEET: G000

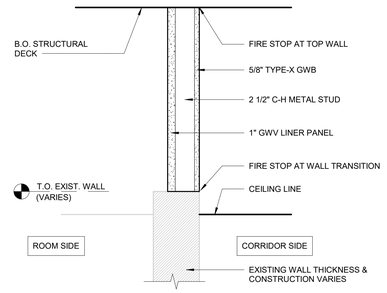












ABBREVIATIONS:

DEGREE	°
POUND OR NUMBER	#
AND	&
AT	@
A	
ANCHOR BOLT	A.B.
ABOVE	ABV
ABOVE FINISH FLOOR	A.F.F.
ACOUSTICAL TILE CEILING	ATC
ADJUSTABLE	ADJ.
AIR CONDITIONING	A/C
AIR HANDLING UNIT	AHU
ALIGN	AL.
ALTERNATE	ALT.
ALUMINUM	ALUM.
ANCHOR	ANCH.
ANCHOR BOLT	AB.
APPROXIMATE(LY)	APPROX.
ARCHITECT(URAL)	ARCH.
AREA DRAIN	A.D.
ASHPALT	ASPH.
B	
BACK TO BACK	B/B
BACK OF CURB	B.C.
BASE BID	B.B.
BASEMENT	BSMT.
BEAM	BM
BEARING	BRG.
BENCHMARK	BMK.
BLOCKING	BLKG
BOARD	BD.
BOTTOM	BOT.
BOTTOM OF	B.O.
BOTTOM OF CURB	B.O.C.
BOTTOM OF WALL	B.O.W.
BRICK EXPANSION JOINT	B.E.J.
BUILDING	BLDG.
BUILDING LINE	B.L.
C	
CABINET UNIT HEATER	CUH
CANTILEVER	CANT.
CARPET	CPT.
CAST IN PLACE	CIP
CAST IRON	CI
CATCH BASIN	C.B.
CAVITY	CAV.
CEILING	CLG.
CEMENT	CEM.
CENTER	CENT.
CENTER LINE	CL
CENTER TO CENTER	C/C
CERAMIC TILE	CT
CHALKBOARD	CB
CLEAN OUT	C.O.
CLEAR	CLR
CLEAR FLOAT GLASS	CFG
CLEAR TEMPERED INSULATED GLASS	CTIG
CLEAR MIRROR GLASS	CMG
COLUMN	COL.
COMPRESSIBLE	COMP.
CONCRETE	CONC.
CONCRETE MASONRY UNIT	CMU
CONDITION	COND.
CONNECT(ION)	CONN.
CONSTRUCTION	CONST.
CONTINUOUS	CONT.
CONTRACTOR	CONTR.
CONTROL JOINT	C.J.
CORNER GUARD	C.G.
CORRIDOR	CORR.
CUBICLE CURTAN TRACK	C.C.T.
D	
DEAD LOAD	D.L.
DEEP	D
DETAIL	DET
DIAGONAL	DIAG.
DIAMETER	DIA.
DIMENSION	DIM.
DISPENSER	DISP.
DOOR	DR.
DOWN	DN.
DOWNSPOUT	D.S.
DRAIN TILE	DT
DRAWING	DWG.
DRINKING FOUNTAIN	DF
E	
EACH	EA.
EACH FACE	E.F.
EACH WAY	EW
ELECTRIC(AL)	ELEC.
ELECTRIC WATER COOLER	EWC
ELEVATION	EL
ELEVATOR	ELEV.
EQUAL	EQ.
EQUIPMENT	EQUIP.
EXCAVATE	EXC.
EXISTING	EXIST.
EXISTING	EXG.
EXISTING ROOF DRAIN	E.R.D.
EXPANSION JOINT	EJ
EXPANSION JOINT COVER	E.J.C.
EXPOSED	EXP.
EXTERIOR	EXT.
F	
FABRIC WALL COVERING	FWC
FEET	FT.
FIBERGLASS REINFORCED PANEL	FRP
FINISH	FIN.
FINISHED FLOOR	F.F.
FINISH FLOOR ELEVATION	F.F.E.
FIRE ALARM	F.A.
FIRE EXTINGUISHER	F.E.
FIRE EXTINGUISHER CABINET	F.E.C.
FIRE HOSE CABINET	F.H.C.
FIRE HYDRANT	FH
FIREPROOF(ING)	FRPF.
FIRE RATED GLASS CERAMIC	FRGC
FIRE RATED, SAFETY RATED GLASS CERAMIC	FRSRGC
FLASHING	FLASH'G
FLEXIBLE	FLEX.
FLOOR	FL.
FLOOR DRAIN	FD
FLOORING	FLG.
FOLDING PANEL PARTITION	F.P.P.
FOOTING	FTG.
FOUNDATION	FDN.
FRAME	FR.
FURRING	FUR'G
FIELD VERIFY	F.V.
FIXTURE	FIXT.
G	
GALVANIZED	GALV.
GAUGE	GA.
GLASS FIBER REINFORCED GYPSUM	G.F.R.G.
GLU-LAM BEAM	G.L.B.
GRAB BAR	GB
GRADE	GR
GRANULAR	GRAN.
GROUND FACE CONCRETE MASONRY UNIT	GFCMU
GUTTER	G.
GYPSUM WALLBOARD	GWB
GYPSUM	GYP.
H	
HAND DRYER	H.D.
HANDICAPPED	HC
HARDWARE	HDWE
HEIGHT	HT.
HEAVY CLEAR TEMPERED GLASS	HCTG
HIGH	H.
HIGH POINT	HP
HOLLOW CORE	HC
HOLLOW METAL	H.M.
HORIZONTAL	HORIZ.
I	
INCH	IN.
INFORMATION	INFO
INSIDE/INTERIOR DIAMETER	I.D.
INSIDE FACE	I.F.
INSULATION	INSUL.
INTERIOR	INT.
INVERT ELEVATION	I.E.
INSULATED TRANSLUCENT PANEL SYSTEM	I.T.P.S.
J	
JANITOR	JAN.
JOINT	JT.
JOIST	JST.
JOIST BEARING	JST. BRG.
K	
KEYBOARD TRAY	K.B.
KEYED CONSTRUCTION JOINT	K.C.J.
KITCHEN	KIT.
L	
ANGLE	L OR ∠
LANDSCAPE ARCHITECT	LA
LAVATORY	LAV.
LIGHT	LT.
LIGHT WEIGHT	LT. WT.
LINEAL/LINEAR FOOT	L.F.
LIVE LOAD	L.L.
LOCATION	LOC.
LONG LEG HORIZONTAL	L.L.H.
LONG LEG VERTICAL	L.L.V.
LOW POINT	LP
M	
MANAGEMENT	MGMT
MANHOLE	M.H.
MANUFACTURER	MANF.
MARKERBOARD	M.B.
MASONRY	MAS
MASONTRY OPENING	M.O.
MATERIAL	MAT'L
MAXIMUM	MAX.
MECHANICAL	MECH.
METAL	MTL.
MINIMUM	MIN.
MIRROR	MR
MISCELLANEOUS	MISC.
MOP/BROOM HOLDER	M.B.H.
MOUNT	MT.
MOUNTED	MTD.
MULLION	MULL.
N	
NAPKIN DISPENSER	ND
NAPKIN DISPOSAL	NDL
NOMINAL	NOM.
NOT IN CONTRACT	NIC
NOT TO SCALE	NTS
NUMBER	NO.
O	
OCCURRING	OCCUR'G
OFFICE	OFF.
ON CENTER(S)	O.C.
ON CENTER EACH WAY	O.C.E.W.
ON CENTER	O/C
OPENING	OPNG.
OPPOSITE	OPP.
OUTSIDE DIAMETER	O.D.
OUTSIDE FACE	O.F.
OVERFLOW DRAIN	O.D.
OVERHEAD	OVHD
P	
PAINT	P
PAIR	PR.
PANEL	PNL.
PAPER HOLDER	PH
PAPER TOWEL DISPENSER	P.T.D.
PAPER TOWEL RECEPTACLE	P.T.R.
PARTITION	PTN.
PAVEMENT	PVMT
PERIMETER	PERIM.
PLATE	PL. OR P
PLASTER	PLAS.
PLASTIC LAMINATE	PLAM.
PLYWOOD	PLYWD.
POLISHED	POL.
POLYVINYL CHLORIDE	PVC
PORCELAIN TILE	PT
PRECAST CONCRETE	P.C.
PREFINISHED	PF
PROJECT(ION)	PROJ.
PROPERTY	PROP.
Q	
QUARRY TILE	Q.T.
R	
RADIUS	R.
RADIOUS POINT	RP
RECESSED	REC.
REFERENCE	REF.
REFLECTED CEILING PLAN	RCP.
REFRIGERATOR	REFR.
REINFORCING	REINF.
REMOVABLE	REM.
REQUIRED	REQ'D.
RETURN AIR	R.A.
RETAINING	RET
RIGHT-OF-WAY	R.O.W.
RIM ELEVATION	RE
RISER	R.
ROOF DRAIN	RD
ROOF TOP UNIT	RTU
ROOF HATCH	R.H.
ROOM	RM.
ROUGH OPENING	R.O.
RUBBER	RUB.
S	
SANITARY SEWER	SAN
SAW JOINT	S.J.
SCHEDULE	SCHED.
SEALANT	SEAL.
SECTION	SECT.
SERVICE	SERV.
SHEET VINYL	S.V.
SHEATHING	SHTH'G
SHEET	SHT.
SHEET METAL	S.M.
SLAB-ON-GRADE	S.O.G.
SOAP DISPENSER	SD
SOLID CORE	S.C.
SPACE	SP.
SPECIFICATIONS	SPEC.
SPECIFIED	SPEC'D.
SQUARE	SQ.
SQUARE FEET	S.F.
STAGGERED	STAG'D.
STAIN	ST
STAINLESS STEEL	S.S.
STANDARD	STD.
STEEL	STL.
STORAGE	STOR.
STRUCTURE(AL)	STRUCT.
STRUCTURAL GLAZED FACING TILE	S.G.F.T.
SUPPLY AIR	S.A.
SURFACE	SURF.
SUSPENDED	SUSP.
SYMMETRICAL	SYM.
T	
TACKBOARD	TB.
TACK WALL	T.W.
TELEPHONE	TEL.
TELEPHONE	TELE
TELEVISION	TV.
TEMPERATURE	TEMP.
TERRAZZO	TERR.
THICK	T.
THICK	THK.
THRESHOLD	THR.
THROUGH WALL FLASHING	T.W.F.
THROUGH	THRU
TINTED INSULATING GLASS	TIG
TINTED TEMPERED LAMINATED INSULATING GLASS	TTLIG
TOILET	TLT.
TOILET PAPER DISPENSER	T.P.D.
TONGUE & GROOVE	T & G
TOP OF	T.O.
TOP OF CURB	T.O.C.
TOP OF FOOTING	T.O.F.
TOP OF SLOPE	TOE
TOP OF STEEL	T.O.S.
TOP OF WALL	TW
TOPOGRAPHY	TOPO.
TOWEL BAR	T.B.
TOWEL DISPENSER	TD
TOWEL DISPENSER/DISPOSAL	TDDL
TREAD	T.
TUBE STEEL	T.S.
TYPICAL	TYP.
U	
UNDERGROUND	UG
UNDERGROUND ELECTRICAL	UGE
UNDERGROUND TELEPHONE	UGT
UNIT HEATER	UH
UNLESS NOTED OTHERWISE	U.N.O.
URINAL	UR.
UTILITY	UTIL.
V	
VERTICAL	VERT.
VESTIBULE	VEST.
VINYL	VIN.
VINYL BASE	VB
VINYL COMPOSITION TILE	VCT
VINYL WALL COVERING	VWC
VISUAL DISPLAY BOARD	V.D.B.
W	
WAINSCOT	WSCT.
WALL COVERING	WC
WALL HYDRANT	WH
WALL PROTECTION PANEL	WPP
WASTE RECEPTACLE	WR
WATER CLOSET	W.C.
WEIGHT	WT.
WELDED WIRE FABRIC	WWF
WIDE FLANGE	WF.
WIDE	W.
WINDOW	WIN.
WITH	W/
WITHOUT	W/O
WIRE GLASS	WG
WOOD	WD.
WOOD BASE	WB
WORKING POINT	WP
Y	
YARD	YD.
YARD HYDRANT	Y.H.

GENERAL NOTES:

1. THE TRADE CONTRACTOR SHALL PERFORM ALL TESTS AS SPECIFIED OR AS NECESSARY TO DEMONSTRATE COMPLETE AND SATISFACTORY INSTALLATIONS OF ALL SYSTEMS PROVIDED UNDER THIS CONTRACT.
2. VERIFY MECHANICAL, PLUMBING AND ELECTRICAL CONDITIONS FOR SCOPE AND INTERFACE. TRADE CONTRACTOR SHALL COORDINATE LOCATION FOR ALL MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WITH GENERAL CONSTRUCTION. REVIEW ANY DISCREPANCIES WITH ARCHITECT PRIOR TO INSTALLATION AND/OR FABRICATION.
3. PRIOR TO BIDDING, TRADE CONTRACTOR SHALL VISIT THE SITE AND REVIEW CONDITIONS. TRADE CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS FOR WORKABILITY, ADJACENT CONDITIONS, EFFECTS AND ACCESSIBILITY. TRADE CONTRACTOR SHALL FIELD VERIFY DIMENSIONS PRIOR TO ORDERING RELATED MATERIALS OF CONSTRUCTION.
4. PROTECT ALL SITE LOCATIONS THAT ARE NOT DESIGNATED FOR REMOVAL. ANY DAMAGE CAUSED BY THE TRADE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE TRADE CONTRACTOR'S EXPENSE.
5. TRADE CONTRACTOR SHALL CONTACT THE ARCHITECT THROUGH THE CM BY USING PROCORE, IN THE EVENT THAT UNFORESEEN CONDITIONS ARE ENCOUNTERED.
6. PROVIDE WOOD BLOCKING BEHIND ALL WALL STOPS, FINISH TRIM, BUILDING HARDWARE AND TOILET ACCESSORIES TO BE MOUNTED ON WALLS. PROVIDE CONTINUOUS WOOD BLOCKING HORIZONTALLY AND VERTICALLY, BEHIND ALL WALL HUNG EQUIPMENT, ACCESSORIES, COUNTERS AND ANY OTHER BUILDING MATERIALS REQUIRING ANCHORING TO WALLS, CEILINGS AND FLOORS. VERIFY WITH ALL TRADES FOR THESE ITEMS PRIOR TO COVERING THE STRUCTURE.
7. AREAS NOTED AS N.I.C. ARE NOT IN CONTRACT.
8. ALL MATERIALS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
9. ALL MECHANICAL OPENINGS AND OTHER OPENINGS OR PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED TO MAINTAIN RATINGS.
10. ALL WORK SHALL COMPLY WITH APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
11. WHERE FIRE EXTINGUISHER CABINETS OCCUR IN GWB/METAL STUD PARTITIONS, PROVIDE AND INSTALL GWB ENCLOSURE BEHIND FIRE EXTINGUISHER CABINET TO PROVIDE CONTINUOUS SOUND BARRIER (OR IF THE WALL IS A FIRE WALL, TO PROVIDE A CONTINUOUS FIRE BARRIER.)
12. ALL STUDS SHALL BE HELD AT LEAST 1/4" AWAY FROM STRUCTURAL STEEL COLUMNS.
13. IN SOME INSTANCES, THERMAL AND SOUND BATT INSULATION HAS BEEN OMITTED FROM THE DETAILS FOR CLARITY. SEE WALL TYPES.
14. ALL CEILING HEIGHTS LISTED ON THE REFLECTED CEILING PLANS ARE FROM THE FINISH FLOOR OF THE LISTED ROOM UNLESS NOTED OTHERWISE. BULKHEADS ARE TYPICALLY 2" BELOW ATC, UNLESS DETAILED OTHERWISE. SEE REFLECTED CEILING PLANS AND SECTIONS FOR ADDITIONAL DETAILS.
15. ALL ANGLES ON PLAN ARE 90 DEGREES OR 45 DEGREES UNLESS NOTED OTHERWISE.
16. WHERE WALL TYPES ARE INDICATED ON LARGE SCALE PLAN DETAILS, NOT ALL STUDS AND/OR FURRING ARE SHOWN ON THE DETAIL, IN SOME INSTANCES, FOR CLARITY. CONTRACTOR SHALL FRAME USING NORMAL FRAMING METHODS AND SHALL ALSO COMPLY WITH THOSE OUTLINED IN THE SPECIFICATIONS.
17. WHENEVER THE TRADE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE TRADE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. TRADE CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER.
18. PROVIDE METAL FURRING AND GYPSUM WALLBOARD (GWB) AS REQUIRED TO CONCEAL ELECTRICAL, MECHANICAL AND PLUMBING IN OCCUPIED ROOMS. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS WITH ARCHITECT AND WITH SCOPE OF WORK, REGARDLESS IF SHOWN ON THE PLANS.
19. PROTECT ALL EXISTING SURFACES, MATERIALS AND EQUIPMENT SHOWN TO REMAIN. TRADE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR / REPLACE ANY DAMAGED SURFACES, EQUIPMENT AND MATERIALS.
20. PROVIDE SEALANT AT ALL VERTICAL AND HORIZONTAL JOINTS BETWEEN DISSIMILAR MATERIALS, I.E. WHERE DRYWALL ABUTS MASONRY, HOLLOW METAL FRAME PERIMETER AND AS SPECIFIED OR AS DETAILED.
21. IT IS THE INTENT OF THIS TRADE CONTRACT THAT ALL AREAS AFFECTED BY CONSTRUCTION BE A FINISHED AND COMPLETE PROJECT. TRADE CONTRACTOR SHALL PATCH, REPAIR AND ADJUST AS REQUIRED TO ACHIEVE A FINISHED PRODUCT. TRADE CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WORK AFFECTED OR DAMAGED BY DEMOLITION TO MATCH NEW CONSTRUCTION. FINISH ALL SURFACES IN THEIR ENTIRETY, I.E. CORNER TO CORNER.
22. PROVIDE CONTROL JOINTS IN GWB WALL (BOTH SIDES OF FRAME) ABOVE CORNERS AT ALL THREE SIDED DOOR FRAMES. CONTROL JOINT SHALL EXTEND TO 4" +/- ABOVE THE CEILING.
23. PROVIDE CONTROL JOINTS IN GWB WALLS AND CEILINGS AT A MAXIMUM SPACING OF 30 FEET IF THERE IS NO PERIMETER RELIEF. IF THERE IS PERIMETER RELIEF, THE MAXIMUM SPACING CAN BE 50 FEET.

INTERIOR PARTITION NOTES:

1. UPGRADE GWB TO TILE BACKER (MR GWB) WHERE CALLED FOR BY SPEC. SECTION 09 29 00 AND WHERE DRAWINGS CALL FOR ADHERED TILE VENEER.

2. EXTEND FIRE RATED WALL CONSTRUCTION BEHIND RECESSED OR BUILT-IN EQUIPMENT SUCH AS FIRE EXTINGUISHER CABINETS (FEC), ELECTRICAL WATER COOLERS (EWC), ELECTRIC PANELS, ETC., UNLESS OTHERWISE NOTED.

3. PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK AND OF ALL FLOOR MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR EQUIPMENT.

4. WHERE HVAC OR OTHER MECHANICAL, ELECTRICAL AND PLUMBING ITEMS PENETRATE PARTITIONS, STUDS SHALL BE BRACED AND FRAMED TO STRUCTURE AS REQUIRED TO PROVIDE ADEQUATE SUPPORT. ALL PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED TO PROVIDE FIRE, SMOKE, AND / OR ACOUSTICAL ISOLATION OF SPACES WITH APPROPRIATE FIRESTOP MATERIAL.

5. COORDINATE METAL STUD GAUGE WITH PRE-APPROVED EQUIPMENT ANCHORAGE. WHERE A DISCREPANCY OCCURS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

6. WHERE COLUMN FURRING STUDS EXCEED THE MANUFACTURER'S RECOMMENDATION LIMITING HEIGHTS, STUDS SHALL BE BRACED BACK TO THE STRUCTURE AS REQUIRED.

7. THERE SHALL BE NO BACK-TO-BACK ELECTRICAL, TELEPHONE, OR OTHER OUTLETS, EXCEPT WHERE SPECIFICALLY SHOWN. AT ACOUSTICALLY SENSITIVE AREAS, SUCH AS CLASSROOMS, OFFSET OUTLETS IN OPPOSITE SIDES OF THE WALL BY AT LEAST TWO STUD CAVITIES.

8. WALL BASE NOT SHOWN ON WALL TYPES FOR CLARITY.

9. WHERE 'SEALANT' IS INDICATED ON WALL TYPES, PROVIDE ACOUSTIC (SOUND) SEALANT AT NON-RATED WALLS AND FIRE-RATED SEALANT AT RATED WALLS AS REQUIRED BY FIRE RATING TEST NUMBER.

10. PROVIDE SOUND INSULATION AS REQUIRED TO MEET STC RATING INDICATED ON WALL TYPE. PROVIDE SOUND INSULATION IN WALLS AROUND THE FOLLOWING SPACES: CLASSROOMS, CONFERENCE ROOMS, OFFICES, COMMUNICATION AND ELECTRICAL ROOMS, MECHANICAL ROOMS, AND TOILETS. SOUND INSULATION IS NOT REQUIRED IN CALLS WITH CASED OPENINGS OR OTHER UNENCLOSED OPENINGS. SOUND INSULATION IS NOT REQUIRED ABOVE-CEILING WALL CAVITIES LOCATED OVER DOORS AND BORROWED LITES.

REFERENCE SYMBOLS:

MATERIALS:

EARTH	▨
GRANULAR FILL	▨
CONCRETE	▨
CONCRETE MASONRY	▨
MASONRY UNIT	▨
CUT STONE	▨
COMPRESSIBLE FILLER	▨
STEEL	▨
DIMENSION LUMBER	☒
PLYWOOD	▨
FINISH WOOD	▨
PARTICLE BOARD	▨
ROOF OR RIGID INSULATION	▨
CAULKING OR SEALANT	▨
BATT OR LOOSE INSULATION	▨
GYPSUM BOARD OR PLASTER	▨
CERAMIC OR QUARRY TILE	▨
ACOUSTICAL TILE	▨
CARPET	▨
MORTAR NET	▨

NON-FIRE RATED PARTITION

STC RATING - 48 ← A TEST: RAL-TL-11-068

STC RATING - 40 ← A1 TEST: USG-860808

A	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.
A1	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES UP TO STRUCTURE.
A6	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.
A7	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES UP TO STRUCTURE.

1-HR. FIRE RATED PARTITION UL DESIGN NO. U419

STC RATING - 49 ← B TEST: SA-870-717

STC RATING - 40 ← B1 TEST: USG-860808

B	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.
B1	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES UP TO STRUCTURE.
B6	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.
B7	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES UP TO STRUCTURE.

1-HR. FIRE RATED PARTITION

STC RATING - 49 ← C TEST: SA-870-717

STC RATING - 40 ← C1 TEST: USG-860808

C	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES, 1/2" FIRE RATED PLYWOOD ON CORRIDOR OF SIDE OF WALL & SOUND INSULATION UP TO STRUCTURE.
C1	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES, 1/2" FIRE RATED PLYWOOD ON CORRIDOR OF SIDE OF WALL UP TO STRUCTURE.
C6	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES, 1/2" FIRE RATED PLYWOOD ON CORRIDOR OF SIDE OF WALL & SOUND INSULATION UP TO STRUCTURE.
C7	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES, 1/2" FIRE RATED PLYWOOD ON CORRIDOR OF SIDE OF WALL UP TO STRUCTURE.

NON-RATED STUD FURRING

D	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE W/ SOUND INSULATION.
D1	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE.
D2	2 1/2" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE.
D6	6" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE W/ SOUND INSULATION.
D7	6" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE.

NON-RATED STUD FURRING

E	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE UP TO 6" ABOVE CEILING W/ SOUND INSULATION.
E1	3 5/8" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE UP TO 6" ABOVE CEILING.
E2	7/8" NON-LOAD BEARING METAL HAT CHANNEL @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE UP TO 6" ABOVE CEILING.
E6	6" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE UP TO 6" ABOVE CEILING W/ SOUND INSULATION.
E7	6" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE UP TO 6" ABOVE CEILING.

1-HR FIRE RATED SHAFT WALL UL DESIGN NO. U415, SYSTEM A

1/G001 TOP OF CORRIDOR WALL DETAIL

1 1/2" = 1'-0"

DRAWN:	MJM	DESIGNED:	MJM
CHECKED:	MJM	PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ABBREVIATIONS & GENERAL NOTES

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE
ARCHITECTURE
ENGINEERING
FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: G001

GENERAL INFORMATION:

OWNER:

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP
CHEROKEE, IA 51012

ARCHITECT / ENGINEER:

KPE – ARCHITECTURE ENGINEERING FORENSICS
1016 LEAVENWORTH STREET
OMAHA, NE 68102

APPLICABLE CODES:

2015	INTERNATIONAL BUILDING CODE (IBC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-201 AND 661-301.
2015	INTERNATIONAL FIRE CODE (IFC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-201.
2012	INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-303.
2015	INTERNATIONAL EXISTING BUILDING CODE (IEBC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-301 AND 661-350.
2010	AMERICANS WITH DISABILITIES ACT (ADA) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-302. SMOKE ALARMS / DETECTORS AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-210. CARBON MONOXIDE ALARMS AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-211.
2021	INTERNATIONAL MECHANICAL CODE (IMC) - STATE MECHANICAL CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE 641-61.
2021	UNIFORM PLUMBING CODE (UPC) - STATE PLUMBING CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE 641-25.
2020	NATIONAL ELECTRICAL CODE (NEC) - STATE ELECTRICAL CODE AS ADOPTED BY THE STATE ELECTRICAL LICENSING BOARD IOWA ADMINISTRATIVE RULE 661-504.

*(THE PROJECT IS BEING DESIGNED AS A LEVEL 2 ALTERATION IN ACCORDANCE WITH THE 2015 (IEBC) INTERNATIONAL EXISTING BUILDING CODE. THE ELEVATOR ADDITION IS BEING DEISNED IN ACCORDANCE WITH THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)

*(THE EXISTING BUILDING IS FULLY SPRINKLED AND WILL BE MODIFIED TO MEET ALL CURRENT CODES.)

2012 IECC:

TABLE C301.1:

CHEROKEE, IOWA IS IN CHEROKEE COUNTY AND IS IN CLIMATE ZONE 6A.

TABLE C402.3:

ATTIC AND OTHER: R-49
MASS: R-13.3 C.I.*

*(R-5.7 C.I. IS ALLOWED TO BE SUBSTITUTED WITH CONCRETE BLOCK WALLS COMPLYING WITH ASTM C90, UNGROUTED OR PARTIALLY GROUTED AT 32 INCHES OR LESS ON CENTER VERTICALLY AND 48 INCHES OR LESS ON CENTER HORIZONTALLY, WITH UNGROUTED CORES FILLED WITH MATERIALS HAVING A MAXIMUM THERMAL CONDUCTIVITY OF 0.44 BTU-IN/(H-FT(2)-F).

BELOW GRADE WALL: R-5.7 C.I.
UNHEATED SLABS: R-10 FOR 24 INCHES BELOW
OPAQUE DOORS (SWINGING): U = 0.37
VERTICAL FENESTRATION:
  FIXED: U = O.36
  ENTRANCE DOORS: U = 0.77
  SHGC: 0.40

*(REQUIREMENTS FOR THE ELEVATOR ADDITION ONLY.)

2015 IEBC:

DEFINITIONS (IEBC CHAPTER 2):

SECTION 202 GENERAL DEFINITIONS:

ADDITION: AN EXTENSION OR INCREASE IN THE FLOOR AREA, NUMBER OF STORIES, OR HEIGHT OF A BUILDING OR STRUCTURE.

WORK AREA: THAT PORTION OR PORTIONS OF A BUILDING CONSISTING OF ALL RECONFIGURED SPACES AS INDICATED ON THE CONSTRUCTION DOCUMENTS. WORK AREA EXCLUDES OTHER PORTIONS OF THE BUILDING WHERE INCIDENTAL WORK ENTAILED BY THE INTENDED WORK MUST BE PERFORMED AND PORTIONS OF THE BUILDING WHERE WORK NOT INITIALLY INTENDED BY THE OWNER IS SPECIFICALLY REQUIRED BY THE CODE.

PROVISIONS FOR ALL COMPLIANCE METHODS (IEBC CHAPTER 3):

301.1.2 WORK AREA COMPLIANCE METHOD:

REPAIRS, ALTERATIONS, ADDITIONS, CHANGES IN OCCUPANCY AND RELOCATED BUILDINGS COMPLYING WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 5 THROUGH 13 OF THIS CODE SHALL BE CONSIDERED IN COMPLIANCE WITH THE PROVISIONS OF THIS CODE.

THIS PROJECT SHALL BE DESIGNED IN COMPLIANCE WITH THIS METHOD.

CLASSIFICATION OF WORK (IEBC CHAPTER 5):

SECTION 504 ALTERATION – LEVEL 2:

504.1 SCOPE:

LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.

504.2 APPLICATION:

LEVEL 2 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 7 FOR LEVEL 1 ALTERATIONS AS WELL AS THE PROVISIONS OF CHAPTER 8.

SECTION 507 ADDITIONS:

507.1 SCOPE:

PROVISIONS FOR ADDITIONS SHALL APPLY WHERE WORK IS CLASSIFIED AS AN ADDITION AS DEFINED IN CHAPTER 2.

507.2 APPLICATION:

ADDITIONS TO EXISTING BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 11.

ALTERATIONS – LEVEL 1 (IEBC CHAPTER 7):

701.2 CONFORMANCE:

AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.

SECTION 702 BUILDING ELEMENTS AND MATERIALS:

702.1 INTERIOR FINISHES:

ALL NEWLY INSTALLED INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE INTERNATIONAL BUILDING CODE.

702.2 INTERIOR FLOOR FINISH:

NEW INTERIOR FLOOR FINISH, INCLUDING NEW CARPETING USED AS AN INTERIOR FLOOR FINISH MATERIAL, SHALL COMPLY WITH SECTION 804 OF THE INTERNATIONAL BUILDING CODE.

SECTION 703 FIRE PROTECTION:

703.1 GENERAL:

ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED.

SECTION 704 MEANS OF EGRESS:

704.1 GENERAL:

ALTERTIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

SECTION 705 ACCESSIBILITY:

705.1 GENERAL:

A FACILITY THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN SECTION 705.1.1 THROUGH 705.1.14, AND CHAPTER 11 OF THE INTERNATIONAL BUILDING CODE UNLESS IT IS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THIS SECTION IS TECHNICALLY INFEASIBLE, THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT THAT IS TWCHNICALLY FEASIBLE.

A FACILITY THAT IS CONSTRUCTED OR ALTERED TO BE ACCESSIBLE SHALL BE MAINTAINED ACCESSIBLE DURING OCCUPANCY.

EXCEPTIONS:

1. ACCESSIBLE MEANS OF EGRESS REQUIRED BY CHAPTER 10 OF THE INTERNATIONAL BUILDING CODE ARE NOT REQUIRED TO BE PROVIDED IN EXISTING FACILITIES.

SECTION 708 ENERGY CONSERVATION:

708.1 MINIMUM REQUIREMENTS:

LEVEL 1 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE. THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIEMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

ALTERATIONS – LEVEL 2 (IEBC CHAPTER 8):

801.2 ALTERATION LEVEL 1 COMPLIANCE:

IN ADDITION TO THE REQUIREMENTS OF THIS CHAPTER, ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 7.

801.3 COMPLIANCE:

ALL NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

SECTION 803 BUILDING ELEMENTS AND MATERIALS:

803.1 SCOPE:

THE REQUIREMENTS OF THIS SECTION ARE LIMITED TO WORK AREAS IN WHICH LEVEL 2 ALTERATIONS ARE BEING PERFORMED AND SHALL APPLY BEYOND THE WORK AREA WHERE SPECIFIED.

803.2 VERTICAL OPENINGS:

EXISTING VERTICAL OPENINGS SHALL COMPLY WITH THE PROVISIONS OF SECTIONS 803.2.1, 803.2.2 AND 803.2.3.

803.2.1 EXISTING VERTICAL OPENINGS:

ALL EXISTING INTERIOR OPENINGS CONNECTING TWO OR MORE FLOORS SHALL BE ENCLOSED WITH APPROVED ASSEMBLIES HAVING A FIRE-RESISTANCE-RATING OF NOT LESS THAN 1 HOUR WITH APPROVED OPENING PROTECTIVES.

803.2.2 SUPPLEMENTAL SHAFT AND FLOOR OPENING ENCLOSURE REQUIREMENTS:

WHERE THE WORK AREA ON ANY FLOOR EXCEEDS 50 PERCENT OF THAT FLOOR AREA, THE ENCLOSURE REQUIREMENTS OF SECTION 803.2 SHALL APPLY TO VERTICAL OPENINGS OTHER THAN STAIRWAYS THROUGHOUT THE FLOOR.

803.2.3 SUPPLEMENTAL STAIRWAY ENCLOSURE REQUIREMENTS:

WHERE THE WORK AREA ON ANY FLOOR EXCEEDS 50 PERCENT OF THAT FLOOR AREA, STAIRWAYS THAT ARE PART OF THE MEANS OF EGRESS SERVING THAT WORK AREA SHALL, AT A MINIMUM, BE ENCLOSED WITH SMOKE-TIGHT CONSTRUCTION ON THE HIGHEST WORK AREA FLOOR AND ALL FLOORS BELOW.

803.4 INTERIOR FINISH:

THE INTERIOR FINISH OF WALLS AND CEILINGS IN EXITS AND CORRIDORS IN ANY WORK AREA SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

803.5 GUARDS:

803.5.1 MINIMUM REQUIREMENT:

EVERY PORTION OF A FLOOR, SUCH AS A BALCONY OR A LOADING DOCK, THAT IS MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW AND IS NOT PROVIDED WITH GUARDS, OR THOSE IN WHICH THE EXISTING GUARDS ARE JUDGED TO BE IN DANGER OF COLLAPSING, SHALL BE PROVIDED WITH GUARDS.

SECTION 804 FIRE PROTECTION:

804.1.1 CORRIDOR RATINGS:

WHERE AN APPROVED AUTOMATIC SPRINKLER SYSTEM IS INSTALLED THROUGHOUT THE STORY, THE REQUIRED FIRE-RESISTANCE RATING FOR ANY CORRIDOR LOCATED ON THE STORY SHALL BE PERMITTED TO BE REDUCED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. IN ORDER TO BE CONSIDERED FOR A CORRIDOR RATING REDUCTION, SUCH SYSTEM SHALL PROVIDE COVERAGE FOR THE STAIRWAY LANDINGS SERVING THE FLOOR AND THE INTERMEDIATE LANDINGS IMMEDIATELY BELOW.

804.2 AUTOMATIC SPRINKLER SYSTEM:

THE EXISTING BUILDING HAS AN AUTOMATIC SPRINKLER SYSTEM.

804.4 FIRE ALARM AND DETECTION:

AN APPROVED FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 804.4.1 THROUGH 804.4.3. WHERE AUTOMATIC SPRINKLER PROTECTION IS PROVIDED IN ACCORDANCE WITH 804.2 AND IS CONNECTED TO THE BUILDING FIRE ALARM SYSTEM, AUTOMATIC HEAT DETECTION SHALL NOT BE REQUIRED.

AN APPROVED AUTOMATIC FIRE DETECTION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THIS CODE AND NFPA 72.

804.4.1.4 GROUP I-3:

A FIRE ALARM SYSTEM SHALL BE INSTALLED IN WORK AREAS OF GROUP I-3 OCCUPANCIES AS REQUIRED BY THE INTERNATIONAL FIRE CODE.

SECTION 805 MEANS OF EGRESS:

805.1 SCOPE:

THE REQUIREMENTS OF THIS SECTION SHALL BE LIMITED TO WORK AREAS THAT INCLUDE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT WITHIN THE WORK AREA IN WHICH LEVEL 2 ALTERATIONS ARE BEING PERFORMED, AND WHERE SPECIFIED THEY SHALL APPLY THROUGHOUT THE FLOOR ON WHICH THE WORK AREAS ARE LOCATED OR OTHERWISE BEYOND THE WORK AREA.

805.3.1 MINIMUM NUMBER:

EVERY STORY UTILIZED FOR HUMAN OCCUPANCY ON WHICH THERE IS A WORK AREA THAT INCLUDES EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT WITHIN THE WORK AREA SHALL BE PROVIDED WITH THE MINIMUM NUMBER OF EXITS BASED ON THE OCCUPANCY AND THE OCCUPANT LOAD IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

805.4 EGRESS DOORWAYS:

EGRESS DOORWAYS IN ANY WORK AREA SHALL COMPLY WITH SECTIONS 805.4.1 THROUGH 805.4.5.

805.4.2 DOOR SWING:

IN THE WORK AREA AND IN THE EGRESS PATH FROM ANY WORK AREA TO THE EXIT DISCHARGE, ALL EGRESS DOORS SERVING AN OCCUPANT LOAD GREATER THAN 50 SHALL SWING IN THE DIRECTION OF EXIT TRAVEL.

805.4.3 DOOR CLOSING:

IN ANY WORK AREA, ALL DOORS OPENING ONTO AN EXIT PASSAGEWAY AT GRADE OR AN EXIT STAIRWAY SHALL BE SELF-CLOSING OR AUTOMATIC-CLOSING BY LISTED CLOSING DEVICES.

805.4.5 EMERGENCY POWER SOURCE IN GROUP I-3:

POWER-OPERATED SLIDING DOORS OR POWER-OPERATED LOCKS FOR SWINGING DOORS SHALL BE OPERABLE BY A MANUAL RELEASE MECHANISM AT THE DOOR. EMERGENCY POWER SHALL BE PROVIDED FOR THE DOORS AND LOCKS IN ACCORDANCE WITH SECTION 2702 OF THE INTERNATIONAL BUILDING CODE.

805.6 DEAD-END CORRIDORS:

DEAD-END CORRIDORS IN ANY WORK AREA SHALL NOT EXCEED 35 FEET.

805.9 HANDRAILS:

805.9.1 MINIMUM REQUIREMENTS:

EVERY REQUIRED EXIT STAIRWAY THAT IS PART OF THE MEANS OF EGRESS FOR ANY WORK AREA AND THAT HAS THREE OR MORE RISERS AND IS NOT PROVIDED WITH AT LEAST ONE HANDRAIL, OR IN WHICH THE EXISTING HANDRAILS ARE JUDGED TO BE IN DANGER OF COLLASPING, SHALL BE PROVIDED WITH HANDRAILS FOR THE FULL LENGTH OF THE STAIRWAY ON AT LEAST ONE SIDE. ALL EXIT STAIRWAYS WITH REQUIRED EGRESS WIDTH OF MORE THAN 66 INCHES SHALL HAVE HANDRAILS ON BOTH SIDES.

805.11 GUARDS:

805.11.1 MINIMUM REQUIREMENT:

EVERY OPEN PORTION OF A STAIRWAY, LANDING, OR BALCONY THAT IS MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW AND IS NOT PROVIDED WITH GUARDS, OR THOSE IN WHICH THE EXISTING GUARDS ARE JUDGED TO BE IN DANGER OF COLLAPSING, SHALL BE PROVIDED WITH GUARDS.

SECTION 806 ACCESSIBILITY:

806.1 GENERAL:

A BUILDING, FACILITY, OR ELEMENT THAT IS ALTERED SHALL COMPLY WITH THIS SECTION AND SECTION 705

SECTION 811 ENERGY CONSERVATION:

811.1 MINIMUM REQUIREMENTS:

LEVEL 2 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE. THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIEMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

ADDITIONS (IEBC CHAPTER 11):

1101.1 SCOPE:

AN ADDITION TO A BUILDING OR STRUCTURE SHALL COMPLY WITH THE INTERNATION CODES AS ADOPTED FOR NEW CONSTRUCTION WITHOUT REQUIRING THE EXISTING BUILDING OR STRUCTURE TO COMPLY WITH ANY REQUIREMENTS OF THOSE CODES OR OF THESE PROVISIONS, EXCEPT AS REQUIRED BY THIS CHAPTER. WHERE AN ADDITION IMPACTS THE EXISTING BUILDING OR STRUCTURE, THAT PORTION SHALL COMPLY WITH THIS CODE.

1101.2 CREATION OR EXTENSION OF NONCONFORMITY:

AN ADDITION SHALL NOT CREATE OR EXTEND ANY NONCONFORMITY IN THE EXISTING BUILDING TO WHICH THE ADDITION IS BEING MADE WITH REGARD TO ACCESSIBILITY, STRUCTURAL STRENGTH, FIRE SAFETY, MEANS OF EGRESS, OR THE CAPACITY OF MECHANICAL, PLUMBING OR ELECTRICAL SYSTEMS.

1102.1 HEIGHT LIMITATIONS:

NO ADDITION SHALL INCREASE THE HEIGHT OF AN EXISTING BUILDING BEYOND THAT PERMITTED UNDER THE APPLICABLE PROVISIONS OF CHAPTER 5 OF THE INTERNATIONAL BUILDING CODE FOR NEW BUILDINGS.

1102.2 AREA LIMITATIONS:

NO ADDITION SHALL INCREASE THE AREA OF AN EXISTING BUILDING BEYOND THAT PERMITTED UNDER THE APPLICABLE PROVISIONS OF CHAPTER 5 OF THE INTERNATIONAL BUILDING CODE FOR NEW BUILDINGS UNLESS FIRE SEPERATION AS REQUIRED BY THE INTERNATIONAL BUILDING CODE IS PROVIDED.

1102.3 FIRE PROTECTION SYSTEMS:

EXISTING FIRE AREAS INCREASED BY THE ADDITION SHALL COMPLY WITH CHAPTER 9 OF THE INTERNATIONAL BUILDING CODE.

1105.1 ACCESSIBILTY MINIMUM REQUIREMENTS:

ACCESSIBILITY PROVISIONS FOR NEW CONSTRUCTION SHALL APPLY TO ADDITIONS. AN ADDITION THAT AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF, PRIMARY FUNCTION SHALL COMPLY WITH THE REQUIREMENTS OF SECTIONS 705, 806 AND 906, AS APPLICABLE.

2015 IBC:

*(THE FOLLOWING CODES WILL BE FOR THE ELEVATOR ADDITION.)

USE AND OCCUPANCY CLASSIFICATION (IBC CHAPTER 3):

SECTION 308 INSTITUTIONAL GROUP I:

308.5 INSTITUTIONAL GROUP I-3:

INSTITUTIONAL GROUP I-3 OCCUPANCY SHALL INCLUDE BUILDINGS AND STRUCTURES THAT ARE INHABITED BY MORE THAN FIVE PERSONS WHO ARE UNDER RESTRAINT OR SECURITY. A GROUP I-3 FACILITY IS OCCUPIED BY PERSONS WHO ARE GENERALLY INCAPABLE OF SELF-PRESERVATION DUE TO SECURITY MEASURES NOT UNDER THE OCCUPANTS CONTROL.

308.5.4 CONDITION 4:

THIS OCCUPANCY CONDITION SHALL INCLUDE BUILDINGS IN WHICH FREE MOVEMENT IS RESTRICTED FROM AN OCCUPIED SPACE. REMOTE-CONTROLLED RELEASE IS PROVIDED TO PERMIT MOVEMENT FROM SLEEPING UNITS, ACTIVITY SPACES AND OTHER OCCUPIED AREAS WITHIN THE SMOKE COMPARTMENT TO OTHER SMOKE COMPARTMENTS.

BUILDING HEIGHT AND AREAS (IBC CHAPTER 5):

BASIC ALLOWABLE (TABLE 503):

OCCUPANCY TYPE: I-3
CONSTRUCTION TYPE: V-B
ALLOWABLE BUILDING HEIGHT: 60 FEET*
ALLOWABLE # OF STORIES: 2*
ALLOWABLE BUILDING AREA: 18,750 SQUARE FEET (PER FLOOR)*

*(SINCE THE BUILDING HAS AN AUTOMATIC FIRE SPRINKLER SYSTEM)

SECTION 506 BUILDING AREA MODIFICATIONS:

506.1 GENERAL [TOTAL ALLOWABLE AREA] (EQUATION 5-2): (OCCUPANCY I-3)

Aa = At + [NS x If]
Aa = 15,000 [5,000 x 0.75]
Aa = 15,000 SF + 3,750 = 18,750 SF / PER FLOOR

	ALLOWED	EXISTING + ADDITION
BUILDING AREA (BASEMENT LEVEL):	18,750 SF	11,888 SF
BUILDING AREA (FIRST LEVEL):	18,750 SF	11,959 SF
BUILDING AREA (SECOND LEVEL):	18,750 SF	11,888 SF
BUILDING AREA (TOTAL):	56,250 SF	35,735 SF
BUILDING HEIGHT IN FEET:	60 FEET	50'-8" FEET
BUILDING HEIGHT IN STORIES:	2 STORIES	3 STORIES*

*(THE EXISTING BUILDING HAS THREE STORIES AND THE ELEVATOR ADDITION WILL HAVE THREE STORIES)
*(THE ISSUE W/ THE NUMBER OF ALLOWABE STORIES WAS GRANTED A VARIANCE ON JUNE 15, 2023.)

506.3 FRONTAGE INCREASE: (OCCUPANCY I-3)

506.3.3 AMOUNT OF INCREASE (EQUATION 5-5):

If = [F/P – 0.25] W/30
If = [704/704 – 0.25] 30/30
If = [1.00 – 0.25] (1)
If = 0.75 (75% AREA INCREASE DUE TO FRONTAGE INCREASE)

TYPES OF CONSTRUCTION (IBC CHAPTER 6):

CONSTRUCTION TYPE: V-B

STRUCTURAL FIRE RATINGS (TABLE 601):

PRIMARY STRUCTURAL FRAME: 0 HOUR
BEARING WALLS - EXTERIOR: 0 HOUR
BEARING WALLS - INTERIOR: 0 HOUR
NON-BEARING WALLS & PART. - EXT: 0 HOUR
NON-BEARING WALLS & PART. - INT: 0 HOUR
FLOOR CONSTRUCTION 0 HOUR
ROOF CONSTRUCTION 0 HOUR

FIRE AND SMOKE PROTECTION FEATURES (IBC CHAPTER 7):

705 EXTERIOR WALLS: NOT REQUIRED / NOT PROVIDED
706 FIRE WALLS: NOT REQUIRED / NOT PROVIDED
707 FIRE BARRIERS: REQUIRED / PROVIDED WHERE REQUIRED
708 FIRE PARTITIONS: REQUIRED / PROVIDED WHERE REQUIRED
709 SMOKE BARRIERS: NOT REQUIRED / NOT PROVIDED
710 SMOKE PARTITIONS: REQUIRED / PROVIDED WHERE REQUIRED
711 FLOOR AND ROOF ASSEMBLIES: NOT REQUIRED / NOT PROVIDED
712 VERTICAL OPENINGS: NOT REQUIRED / NOT PROVIDED
713 SHAFT ENCLOSURES: REQUIRED / PROVIDED WHERE PROVIDED
714 PENETRATIONS: REQUIRED / PROVIDED WHERE REQUIRED
715 FIRE-RESISTANT JOINT SYSTEMS: REQUIRED / PROVIDED WHERE REQUIRED
716 OPENING PROTECTIVES REQUIRED / PROVIDED WHERE REQUIRED
717 DUCTS & AIR TRANSFER OPENINGS: REQUIRED / PROVIDED WHERE REQUIRED
718 CONCEALED SPACES: NOT REQUIRED / NOT PROVIDED
720 THERMAL & SOUND INSULATION: REQUIRED / PROVIDED WHERE REQUIRED

INTERIOR FINISHES (IBC CHAPTER 8):

INTERIOR FINISHES WILL BE EITHER CLASS A, B OR C.

FIRE PROTECTION SYSTEMS (IBC CHAPTER 9):

903 AUTOMATIC SPRINKLER SYSTEM:

903.2.6 GROUP I:

AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT BUILDINGS WITH A GROUP I FIRE AREA.

THE EXISTING BUILDING HAS AN AUTOMATIC SPRINKLER SYSTEM THAT WILL BE MODIFIED AS REQUIRED FOR THE NEW WORK.

903.3.1.1 NFPA 13 SPRINKLER SYSTEM:

WHERE THE PROVISIONS OF THIS CODE REQUIRE THAT A BUILDING OR PORTION THEREOF BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH THIS SECTION, SPRINKLERS SHALL BE INSTALLED THROUGHOUT IN ACCORDANCE WITH NFPA13.

906 PORTABLE FIRE EXTINGUISHERS:

PORTABLE FIRE EXTINGUISHERS: REQUIRED / PROVIDED
3,000 SF / UNIT OF A
MAX. TRAVEL = 75 FEET

907 FIRE ALARM AND DETECTION SYSTEMS:

MANUAL FIRE ALARM: REQUIRED / PROVIDED WHERE REQUIRED
AUTOMATIC FIRE ALARM: REQUIRED / PROVIDED WHERE REQUIRED
FACP: REQUIRED / PROVIDED WHERE REQUIRED
REMOTE ANNUNCIATOR PANEL: REQUIRED / PROVIDED WHERE REQUIRED
SMOKE DETECTION: REQUIRED / PROVIDED WHERE REQUIRED
HEAT DETECTION: NOT REQUIRED / NOT PROVIDED
FIRE PUMP: NOT REQUIRED / NOT PROVIDED
BACKUP POWER: NOT REQUIRED / NOT PROVIDED

MEANS OF EGRESS (IBC CHAPTER 10):

SECTION 1004 OCCUPANT LOAD (TABLE 1004.1.2):

NUMBER OF OCCUPANTS (BASEMENT LEVEL): 0 OCCUPANTS*
*(ALL OCCUPANTS ON THIS LEVEL ARE CONSIDERED ACCESSORY OCCUPANTS.)

NUMBER OF OCCUPANTS (FIRST LEVEL): 21 (PATIENTS) OCCUPANTS
13 (STAFF) OCCUPANTS

NUMBER OF OCCUPANTS (SECOND LEVEL): 33 (PATIENTS) OCCUPANTS
2 (STAFF) OCCUPANTS

EGRESS WIDTH REQUIRED: 69 x 0.20* = 13.8 INCHES (32 INCHES MINIMUM)

*(0.20 IS ALLOWED FOR STAIRWAYS IN BUILDINGS EQUIPPED W/ AN AUTOMATIC SPRINKLER SYSTEM.)

EGRESS WIDTH PROVIDED: 4 STAIRS = 128 INCHES

EGRESS WIDTH PROVIDED: 1 RAMP = 48 INCHES

TOTAL EGRESS WIDTH PROVIDED: 176 INCHES

SECTION 1009 ACCESSIBLE MEANS OF EGRESS:

1009.1 ACCESSIBLE MEANS OF EGRESS REQUIRED:

ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH THIS SECTION. ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS. WHERE MORE THAN ONE MEANS OF EGRESS ARE REQUIRED BT SECTION 1006.2 OR 1006.3 FROM ANY ACCESSIBLE SPACE, EACH ACCESSIBLE PORTION OF THE SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.

EXCEPTION:

1. ACCESSIBLE MEANS OF EGRESS ARE NOT REQUIRED TO BE PROVIDED IN EXISTING BUILDINGS.

1009.2 CONTINUITY AND COMPONENTS:

EACH REQUIRED ACCESSIBLE MEANS OF EGRESS SHALL BE CONTINUOUS TO A PUBLIC WAY AND SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS.

1. EXIT ACCESS STAIRWAYS COMPLYING WITH SECTIONS 1009.3 AND 1019.3 OR 1019.4.
2. ELEVATORS COMPLYING WITH SECTION 1009.4.
3. RAMPS COMPLYING WITH SECTION 1012.

1009.3 STAIRWAYS:

IN ORDER TO BE CONSIDERED PART OF AN ACCESSIBLE MEANS OF EGRESS, A STAIRWAY BETWEEN STORIES SHALL HAVE A CLEAR WIDTH OF 48 INCHES MINIMUM BETWEEN HANDRAILS AND SHALL EITHER INCORPORATE AN AREA OF REFUGE WITHIN AN ENLARGED FLOOR-LEVEL LANDING OR SHALL BE ACCESSED FROM AN AREA OF REFUGE COMPLYING WITH SECTION 1009.6.

EXCEPTIONS:

1. THE CLEAR WIDTH OF 48 INCHES BETWEEN HANDRAILS IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.
2. AREAS OF REFUGE ARE NOT REQUIRED AT STAIRWAYS IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

1009.4 ELEVATORS:

IN ORDER TO BE CONSIDERED PART OF AN ACCESSIBLE MEANS OF EGRESS, AN ELEVATOR SHALL COMPLY WITH THE EMERGENCY OPERATION AND SIGNALING DEVICE REQUIREMENTS OF SECTION 2.27 OF ASME A117.1 / CSA B44. STANDBY POWER SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 27 AND SECTION 3003. THE ELEVATOR SHALL BE ACCESSED FROM AN AREA OF REFUGE COMPLYING WITH SECTION 1009.6.

EXCEPTION:

1. AREAS OF REFUGE ARE NOT REQUIRED IN BUILDINGS AND FACILITIES EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

SECTION 1013 EXIT SIGNS:

1013.1 EXIT SIGNS (WHERE REQUIRED):

EXIT SIGNS WILL BE PROVIDED INSIDE THE BUILDING AS REQUIRED.

EXCEPTION:

1. EXIST SIGNS ARE NOT REQUIRED IN DAYROOMS, SLEEPING ROOMS OR DORMITORIES IN OCCUPANCIES IN GROUP I-3.

1013.2 ILLUMINATION:

EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE:

1017.1 EXIT AND EXIT ACCESS DOORWAYS FROM SPACES:

TRAVEL DISTANCE WITHIN THE EXIT ACCESS PORTION OF THE MEANS OF EGRESS SYSTEM SHALL BE IN ACCORDANCE WITH THIS SECTION AND TABLE 1017.2.

FOR I-3 OCCUPANCY, THE MAXIMUM EXIT ACCESS TRAVEL DISTANCE IS 200 FEET IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM.

SECTION 1019 EXIT ACCESS STAIRWAYS AND RAMPS:

1019.1 GENERAL:

EXIT ACCESS STAIRWAYS AND RAMPS SERVING AS AN EXIT ACCESS COMPONENT IN A MEANS OF EGRESS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION. THE NUMBER OF STORIES CONNECTED BY EXIT ACCESS STAIRWAYS AND RAMPS SHALL INCLUDE BASEMENTS, BUT NOT MEZZANINES.

1019.4 GROUP I-2 AND I-3 OCCUPANCIES:

IN GROUP I-2 AND I-3 OCCUPANCIES, FLOOR OPENINGS BETWEEN STORIES CONTAINING EXIT ACCESS STAIRWAYS OR RAMPS ARE REQUIRED TO BE ENCLOSED WITH A SHAFT ENCLOSURE CONSTRUCTED IN ACCORDANCE WITH SECTION 713,

EXCEPTION:

1. IN GROUP I-3 OCCUPANCIES, EXIT ACCESS STAIRWAYS OR RAMPS CONSTRUCTED IN ACCORDANCE WITH SECTION 408 ARE NOT REQUIRED TO BE ENCLOSED.

SECTION 1020 CORRIDORS:

THE CORRIDOR WALLS ARE REQUIRED TO BE FIRE RATED ONE HOUR IN ACCORDANCE WITH TABLE 1020.1.

1020.2 WIDTH AND CAPACITY:

MINIMUM CORRIDOR WIDTH FOR THIS BUILDING SHALL NOT BE LESS THAN 44 INCHES IN ACCORDANCE WITH TABLE 1020.2.

1020.4 DEAD ENDS:

WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT DEAD-END CORRIDORS DO NOT EXCEED 20 FEET IN LENGTH.

EXCEPTION:

1. IN OCCUPANCIES IN GROUP I-3 OF CONDITIONS 2, 3 OR 4, THE DEAD END IN A CORRIDOR SHALL NOT EXCEED 50 FEET.

SECTION 1022 EXITS:

1022.2.2 ARRANGEMENT:

EXTERIOR EXIT DOORS SHALL LEAD DIRECTLY TO THE EXIT DISCHARGE OR THE PUBLIC WAY.

SECTION 1027 EXTERIOR EXIT STAIRWAYS AND RAMPS:

1027.2 USE IN A MEANS OF EGRESS:

FOR OCCUPANCIES OTHER THAN GROUP I-2, EXTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE PERMITTED AS AN ELEMENT OF A REQUIRED MEANS OF EGRESS FOR BUILDINGS NOT EXCEEDING SIX STORIES ABOVE GRADE PLANE OR THAT ARE NOT HIGH-RISE BUILDINGS.

SECTION 1028 EXIT DISCHARGE:

1028.1 EXIT DISCHARGE:

EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING.

1028.5 ACCESS TO A PUBLIC WAY:

THE EXIT DISCHARGE SHALL PROVIDE A DIRECT AND OBSTRUCTED ACCESS TO A PUBLIC WAY.

ACCESSIBILITY (IBC CHAPTER 11):

1103.1 ACCESSIBLITY (WHERE REQUIRED):

SITES, BUILDINGS, STRUCTURES, FACILITIES, ELEMENTS AND SPACES, TEMPORARY OR PERMANENT, SHALL BE ACCESSIBLE TO PERSONS WITH PHYSICAL DISABILITIES.

1103.2.13 DETENTION AND CORRECTIONAL FACILITIES:

IN DETENTION AND CORRECTIONAL FACILITIES, COMMON USE AREAS THAT ARE USED ONLY BY INMATES OR DETAINEES AND SECURITY PERSONNEL, AND THAT DO NOT SERVE HOLDING CELLS OR HOUSING CELLS REQUIRED TO BE ACCESSIBLE UNITS, ARE NOT REQUIRED TO COMPLY WITH THIS CHAPTER.

SECTION 1104 ACCESSIBLE ROUTES:

1104.1 SITE ARRIVAL POINTS:

ACCESSIBLE ROUTES WITHIN THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS; ACCESSIBLE PARKING; ACCESSIBLE PASSENGER LOADING ZONES; AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE SERVED.

1104.2 WITHIN A SITE:

AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.

SECTION 1105 ACCESSIBLE ENTRACES:

1105.1 PUBLIC ENTRANCES:

AT LEAST 60 PERCENT OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE.

1105.1.3 RESTRICTED ENTRANCES:

WHERE RESTRICTED ENTRANCES ARE PROVIDED TO A BUILDING OR FACILITY, AT LEAST ONE RESTRICTED ENTRANCE TO THE BUILDING OR FACILITY SHALL BE ACCESSIBLE.

1105.1.4 ENTRANCES FOR INMATES OR DETAINEES:

WHERE ENTRANCES USED ONLY BY INMATES OR DETAINEES AND SECURITY PERSONNEL ARE PROVIDED AT JUDICIAL FACILITIES, DETENTION FACILITIES OR CORRECTIONAL FACILITIES, AT LEAST ONE SUCH ENTRANCE SHAL BE ACCESSIBLE.

SECTION 1107 DWELLING UNITS AND SLEEPING UNITS:

1107.5.5.1 GROUP I-3 SLEEPING UNITS:

IN GROUP I-3 OCCUPANCIES, AT LEAST 3 PERCENT OF THE TOTAL NUMBER OF SLEEPING UNITS IN THE FACILITY, BUT NOT LESS THAN ONE UNIT IN EACH CLASSIFICATION LEVEL, SHALL BE ACCESSIBLE.

SECTION 1111 SIGNAGE:

1111.1 SIGNS:

SIGNS ARE REQUIRED FOR ACCESSIBLE ELEMENTS.

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

CODE REVIEW INFORMATION

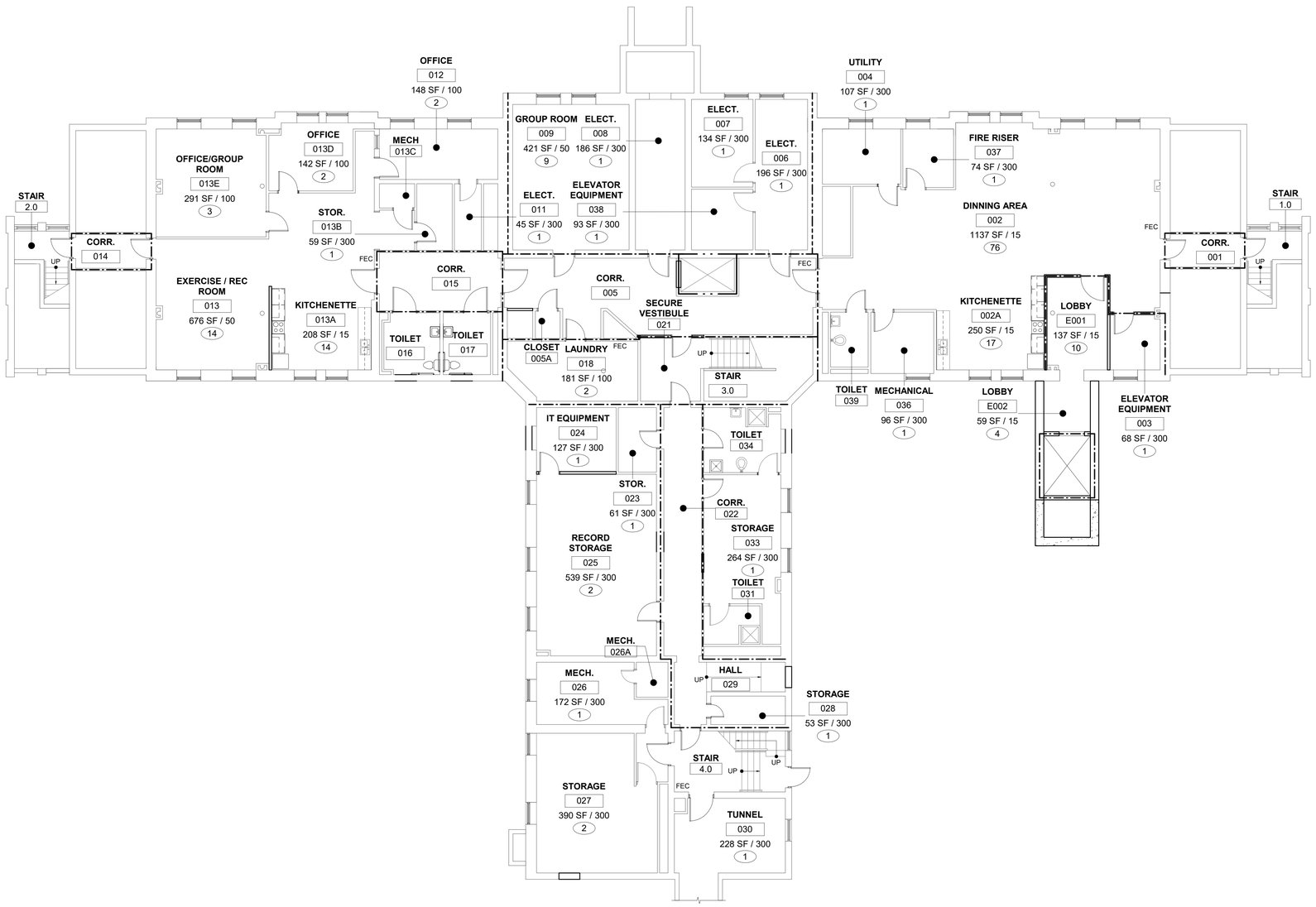
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE
ARCHITECTURE
ENGINEERING
FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: G002



1 G003 CODE REVIEW PLAN - BASEMENT LEVEL
1/8" = 1'-0"

NORTH

APPLICABLE BUILDING CODES:

2015 INTERNATIONAL BUILDING CODE (IBC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-201 AND 661-301.
2015 INTERNATIONAL FIRE CODE (IFC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-201.
2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-303.
2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-301 AND 661-350.
2010 AMERICANS WITH DISABILITIES ACT (ADA) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-302.
SMOKE ALARMS / DETECTORS AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-210.
CARBON MONOXIDE ALARMS AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-211.
2021 INTERNATIONAL MECHANICAL CODE (IMC) - STATE MECHANICAL CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE 641-61.
2021 UNIFORM PLUMBING CODE (UPC) - STATE PLUMBING CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE 641-25.
2020 NATIONAL ELECTRICAL CODE (NEC) - STATE ELECTRICAL CODE AS ADOPTED BY THE STATE ELECTRICAL LICENSING BOARD IOWA ADMINISTRATIVE RULE 661-504.

CODE REVIEW LEGEND:

1-HR FIRE RATED WALL

SMOKE PARTITION

FEC — FEC (FIRE EXTINGUISHER CABINET - WALL MOUNTED)

0 / 0 — - COMBINED OCCUPANT LOAD AT GIVEN DOOR OR STAIR
- TOTAL EXIT CAPACITY OF DOOR OR STAIR
(THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS:
CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.2
THE CAPACITY OF STAIRS ARE DETERMINED AS FOLLOWS
WIDTH IN INCHES DIVIDED BY 0.3

— - OCCUPANCY LOAD
(ACCESSORY OCCUPANCY LOADS SHOWN IN AN OVAL)

BUILDING CODE INFORMATION:

OCCUPANCY TYPE: I-3 / CONDITION 4
CONSTRUCTION TYPE: V B

*(THE PROJECT IS BEING DESIGNED AS A LEVEL 2 ALTERATION IN ACCORDANCE WITH THE 2015 (IEBC) INTERNATIONAL EXISTING BUILDING CODE. THE ELEVATOR ADDITION IS BEING DEISNED IN ACCORDANCE WITH THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)

*(THE EXISTING BUILDING IS FULLY SPRINKLED AND WILL BE MODIFIED TO MEET ALL CURRENT CODES.)

ALLOWABLE BUILDING AREA: 18,750 SF / PER FLOOR*

*(ADJUSTED FOR SPRINKLERS AND 75% FRONTAGE INCREASE)

TOTAL ALLOWABLE BUILDING AREA: 56,250 SF*

*(THE EXISTING BUILDING HAS THREE FLOORS)

ACTUAL BUILDING AREA*: 11,888 SF (BASEMENT LEVEL)
*(INCLUDES ELEVATOR ADDITION) 11,999 SF (FIRST LEVEL)
11,888 SF (SECOND LEVEL)
TOTAL ACTUAL BUILDING AREA: 35,735 SF

TOTAL OCCUPANTS: 0* (BASEMENT LEVEL)
*(CONSIDERED ACCESSORY OCCUPANTS)
21 PATIENTS (FIRST LEVEL)
13 STAFF (FIRST LEVEL)
33 PATIENTS(SECOND LEVEL)
2 STAFF (SECOND LEVEL)

*(IF THE SQUARE FOOTAGE FOR THE BEDROOMS WERE UNDER HALF OF THE ALLOWABE SQUARE FOOT PER PERSON I ROUNDED DOWN AND IF IT WAS OVER HALF, I ROUNDED UP.)

TOTAL: 69 OCCUPANTS

ALLOWABLE BUILDING HEIGHT IN FEET: 60'-0" (W/ SPRINKLERS)
ACTUAL BUILDING HEIGHT IN FEET: 50'-8"
ALLOWABLE BUILDING HEIGHT IN STORIES: 2 STORIES (W/ SPRINKLERS)
ACTUAL BUILDING HEIGHT IN STORIES: 3 STORIES*

*(BASEMENT LEVEL IS MORE THAN 6 FEET ABOVE GRADE.)

*(THE ISSUE W/ THE NUMBER OF ALLOWABE STORIES WAS GRANTED A VARIANCE ON JUNE 15, 2023.)

EGRESS WIDTH REQUIRED: 13.8"* (BASEMENT LEVEL)

*(IF ALL OCCUPANTS FROM FIRST & SECOND LEVELS ARE IN THE BASEMENT AT THE SAME TIME)
6.8" (FIRST LEVEL)
7" (SECOND LEVEL)

TOTAL: 13.8"*

*(0.20 IS ALLOWED FOR STAIRWAYS IN BUILDING EQUIPPED W/ AN AUTOMATIC SPRINKLER SYSTEM.)

EGRESS WIDTH PROVIDED: 128" (TOTAL OF 4 STAIRS)
48" (RAMP)

TOTAL: 176"

PLUMBING SYSTEMS (2021 UNIFORM PLUMBING CODE):

PLUMBING FIXTURES (TABLE 422.1):

CORRECTIONAL FACILITIES OCCUPANT COUNT FOR PLUMBING FIXTURES: 69

	# REQUIRED	#PROVIDED
WATER CLOSETS:	1 PER 8	12
LAVATORIES:	1 PER 10	12
SHOWERS:	1 PER 8	10
DRINKING FOUNTAINS:	1 PER FLOOR	2*

*(THERE IS A HI/LO DRINKING FOUNTAIN WITH BOTTLE FILLER ON ONE SIDE ON THE FIRST AND SECOND LEVEL. THERE ARE TWO KITCHENETTES WITH SINKS IN THE BASEMENT LEVEL TO SUBSTITUE FOR THE DRINKING FOUNTAIN.)

MOP SINK:	1	1

EMPLOYEE OCCUPANT COUNT FOR PLUMBING FIXTURES: 15

	# REQUIRED	#PROVIDED
MALES:		
WATER CLOSETS:	1: 1-15 / 2: 16-35	1
LAVATORIES:	1 PER 40	1
FEMALES:		
WATER CLOSETS:	1: 1-15 / 2: 16-35	1
LAVATORIES:	1 PER 40	1
DRINKING FOUNTAINS:	1 PER 150	2*

*(THERE IS A HI/LO DRINKING FOUNTAIN WITH BOTTLE FILLER ON ONE SIDE ON THE FIRST AND SECOND LEVEL. THERE ARE TWO KITCHENETTES WITH SINKS IN THE BASEMENT LEVEL TO SUBSTITUE FOR THE DRINKING FOUNTAIN.)

MOP SINK:	1	1

GENERAL EXISTING ELEVATOR NOTES:

1. THE EXISTING ELEVATOR WILL BE ABANDONED IN PLACE. THE EXISTING DOORS TO ACCESS THE ELEVATOR WILL BE REMOVED AND THE EXISTING OPENINGS WILL BE INFILLED, AND ALL OF THE EXISTING ELEVATOR EQUIPMENT WILL BE DISCONNECTED AND REMOVED FROM THE ELEVATOR EQUIPMENT ROOM.

NO.	DESCRIPTION	BY
0	BID SET	KPE

DATE: 09-01-2023
DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

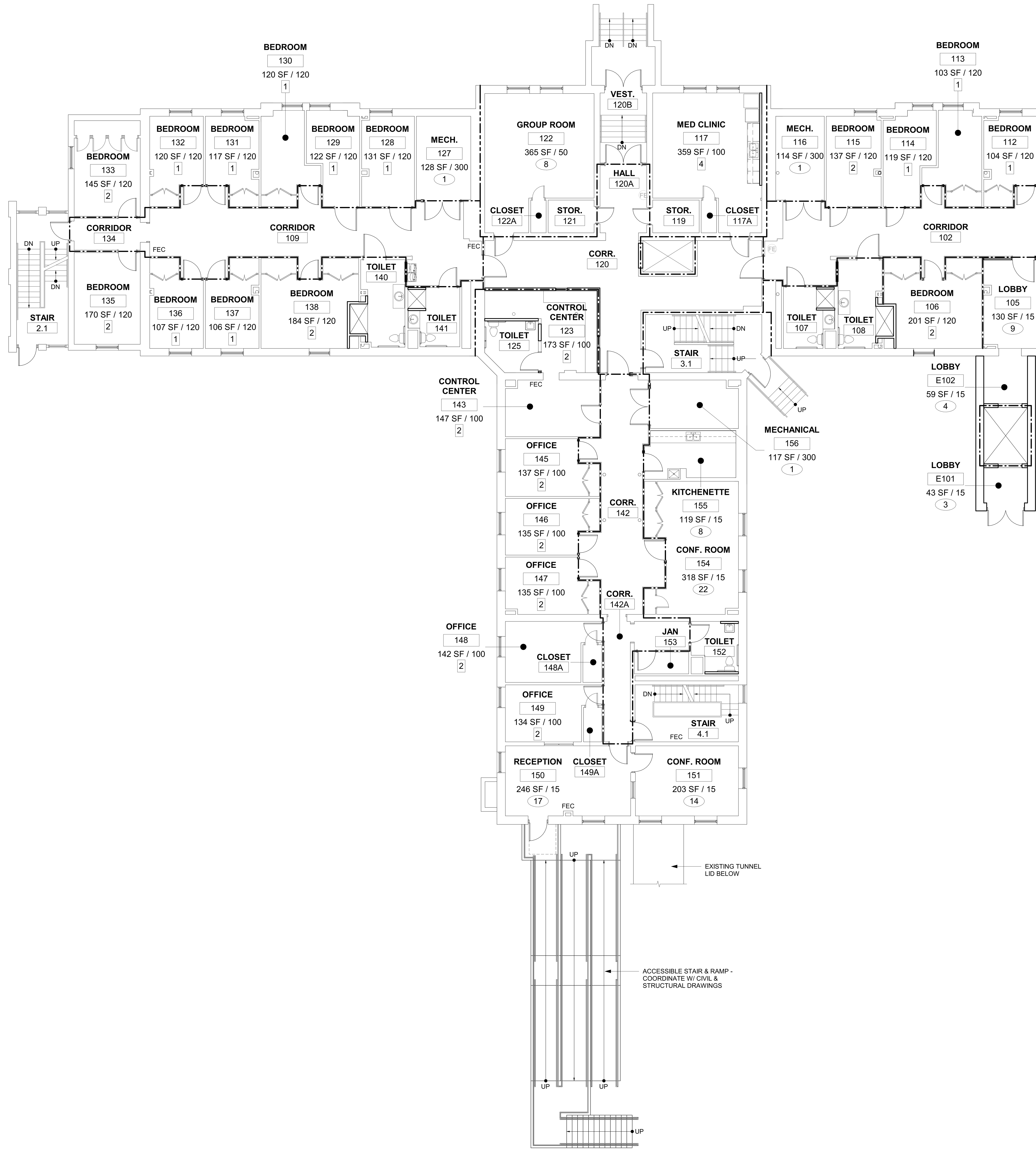
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

CODE REVIEW PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: G003



1 G004 CODE REVIEW PLAN - FIRST LEVEL
1/8" = 1'-0"
NORTH

APPLICABLE BUILDING CODES:

2015	INTERNATIONAL BUILDING CODE (IBC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-201 AND 661-301.
2015	INTERNATIONAL FIRE CODE (IFC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-201.
2012	INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-303.
2015	INTERNATIONAL EXISTING BUILDING CODE (IEBC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-301 AND 661-350.
2010	AMERICANS WITH DISABILITIES ACT (ADA) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-302. SMOKE ALARMS / DETECTORS AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-210. CARBON MONOXIDE ALARMS AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-211.
2021	INTERNATIONAL MECHANICAL CODE (IMC) - STATE MECHANICAL CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE 641-61.
2021	UNIFORM PLUMBING CODE (UPC) - STATE PLUMBING CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE 641-25.
2020	NATIONAL ELECTRICAL CODE (NEC) - STATE ELECTRICAL CODE AS ADOPTED BY THE STATE ELECTRICAL LICENSING BOARD IOWA ADMINISTRATIVE RULE 661-504.

CODE REVIEW LEGEND:

— · —— · —— · —	1-HR FIRE RATED WALL
—— – – – ——	SMOKE PARTITION
FEC	FEC (FIRE EXTINGUISHER CABINET - WALL MOUNTED)
0 / 0 ▶	- COMBINED OCCUPANT LOAD AT GIVEN DOOR OR STAIR - TOTAL EXIT CAPACITY OF DOOR OR STAIR (THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS: CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.2 THE CAPACITY OF STAIRS ARE DETERMINED AS FOLLOWS WIDTH IN INCHES DIVIDED BY 0.3
##	- OCCUPANCY LOAD (ACCESSORY OCCUPANCY LOADS SHOWN IN AN OVAL)

BUILDING CODE INFORMATION:

OCCUPANCY TYPE: I-3 / CONDITION 4
CONSTRUCTION TYPE: V B

*(THE PROJECT IS BEING DESIGNED AS A LEVEL 2 ALTERATION IN ACCORDANCE WITH THE 2015 (IEBC) INTERNATIONAL EXISTING BUILDING CODE. THE ELEVATOR ADDITION IS BEING DEISNED IN ACCORDANCE WITH THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)

*(THE EXISTING BUILDING IS FULLY SPRINKLED AND WILL BE MODIFIED TO MEET ALL CURRENT CODES.)

ALLOWABLE BUILDING AREA: 18,750 SF / PER FLOOR*

*(ADJUSTED FOR SPRINKLERS AND 75% FRONTAGE INCREASE)

TOTAL ALLOWABLE BUILDING AREA: 56,250 SF*

*(THE EXISTING BUILDING HAS THREE FLOORS)

ACTUAL BUILDING AREA*: 11,888 SF (BASEMENT LEVEL)
*(INCLUDES ELEVATOR ADDITION) 11,959 SF (FIRST LEVEL)
11,888 SF (SECOND LEVEL)
TOTAL ACTUAL BUILDING AREA: 35,735 SF

TOTAL OCCUPANTS: 0* (BASEMENT LEVEL)
*(CONSIDERED ACCESSORY OCCUPANTS)
21 PATIENTS (FIRST LEVEL)
13 STAFF (FIRST LEVEL)
33 PATIENTS(SECOND LEVEL)
2 STAFF (SECOND LEVEL)

*(IF THE SQUARE FOOTAGE FOR THE BEDROOMS WERE UNDER HALF OF THE ALLOWABE SQUARE FOOT PER PERSON I ROUNDED DOWN AND IF IT WAS OVER HALF, I ROUNDED UP.)

TOTAL: 69 OCCUPANTS

ALLOWABLE BUILDING HEIGHT IN FEET: 60'-0" (W/ SPRINKLERS)
ACTUAL BUILDING HEIGHT IN FEET: 50'-8"
ALLOWABLE BUILDING HEIGHT IN STORIES: 2 STORIES (W/ SPRINKLERS)
ACTUAL BUILDING HEIGHT IN STORIES: 3 STORIES*

*(BASEMENT LEVEL IS MORE THAN 6 FEET ABOVE GRADE.)

*(THE ISSUE W/ THE NUMBER OF ALLOWABE STORIES WAS GRANTED A VARIANCE ON JUNE 15, 2023.)

EGRESS WIDTH REQUIRED: 13.8"* (BASEMENT LEVEL)

*(IF ALL OCCUPANTS FROM FIRST & SECOND LEVELS ARE IN THE BASEMENT AT THE SAME TIME)
6.8" (FIRST LEVEL)
7" (SECOND LEVEL)

TOTAL: 13.8"*

*(0.20 IS ALLOWED FOR STAIRWAYS IN BUILDING EQUIPPED W/ AN AUTOMATIC SPRINKLER SYSTEM.)

EGRESS WIDTH PROVIDED: 128" (TOTAL OF 4 STAIRS)
48" (RAMP)

TOTAL: 176"

PLUMBING SYSTEMS (2021 UNIFORM PLUMBING CODE):

PLUMBING FIXTURES (TABLE 422.1):

CORRECTIONAL FACILITIES OCCUPANT COUNT FOR PLUMBING FIXTURES: 69

	# REQUIRED	#PROVIDED
WATER CLOSETS:	1 PER 8	12
LAVATORIES:	1 PER 10	12
SHOWERS:	1 PER 8	10
DRINKING FOUNTAINS:	1 PER FLOOR	2*

*(THERE IS A HI/LO DRINKING FOUNTAIN WITH BOTTLE FILLER ON ONE SIDE ON THE FIRST AND SECOND LEVEL. THERE ARE TWO KITCHENETTES WITH SINKS IN THE BASEMENT LEVEL TO SUBSTITUE FOR THE DRINKING FOUNTAIN.)

MOP SINK:	1	1

EMPLOYEE OCCUPANT COUNT FOR PLUMBING FIXTURES: 15

	# REQUIRED	#PROVIDED
MALES:		
WATER CLOSETS:	1: 1-15 / 2: 16-35	1
LAVATORIES:	1 PER 40	1
FEMALES:		
WATER CLOSETS:	1: 1-15 / 2: 16-35	1
LAVATORIES:	1 PER 40	1
DRINKING FOUNTAINS:	1 PER 150	2*

*(THERE IS A HI/LO DRINKING FOUNTAIN WITH BOTTLE FILLER ON ONE SIDE ON THE FIRST AND SECOND LEVEL. THERE ARE TWO KITCHENETTES WITH SINKS IN THE BASEMENT LEVEL TO SUBSTITUE FOR THE DRINKING FOUNTAIN.)

MOP SINK:	1	1

GENERAL EXISTING ELEVATOR NOTES:

1. THE EXISTING ELEVATOR WILL BE ABANDONED IN PLACE, THE EXISTING DOORS TO ACCESS THE ELEVATOR WILL BE REMOVED AND THE EXISTING OPENINGS WILL BE INFILLED, AND ALL OF THE EXISTING ELEVATOR EQUIPMENT WILL BE DISCONNECTED AND REMOVED FROM THE ELEVATOR EQUIPMENT ROOM.

DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
MJM	MJM	MJM	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

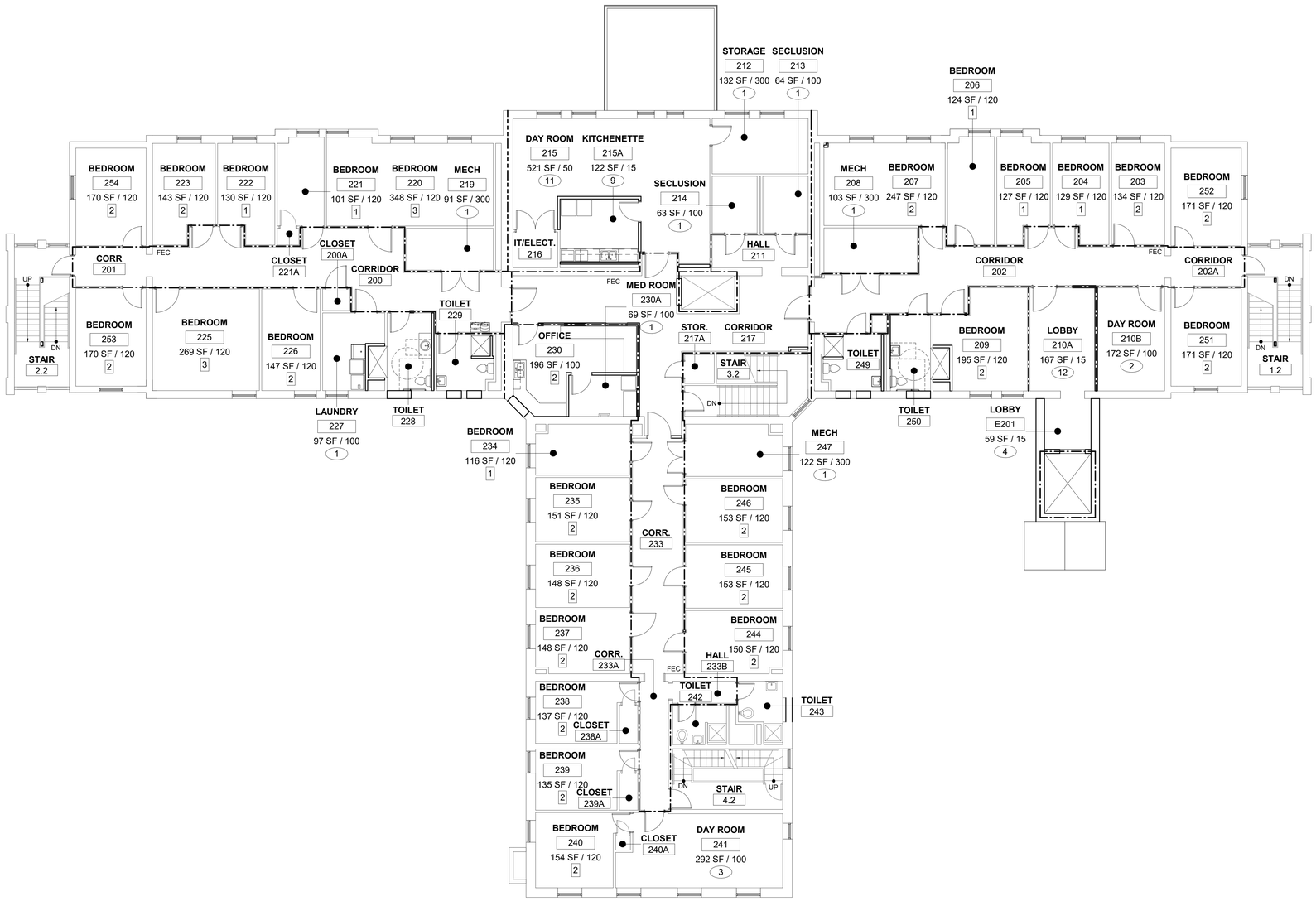
DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

CODE REVIEW PLAN - FIRST LEVEL

KPE ARCHITECTURE ENGINEERING FORENSICS
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: G004



1 G005 CODE REVIEW PLAN - SECOND LEVEL
1/8" = 1'-0"
NORTH

APPLICABLE BUILDING CODES:

2015 INTERNATIONAL BUILDING CODE (IBC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-201 AND 661-301.
2015 INTERNATIONAL FIRE CODE (IFC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-201.
2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-303.
2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-301 AND 661-350.
2010 AMERICANS WITH DISABILITIES ACT (ADA) AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-302.
SMOKE ALARMS / DETECTORS AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-210.
CARBON MONOXIDE ALARMS AS ADOPTED BY IOWA ADMINISTRATIVE RULE 661-211.
2021 INTERNATIONAL MECHANICAL CODE (IMC) - STATE MECHANICAL CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE 641-61.
2021 UNIFORM PLUMBING CODE (UPC) - STATE PLUMBING CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE 641-25.
2020 NATIONAL ELECTRICAL CODE (NEC) - STATE ELECTRICAL CODE AS ADOPTED BY THE STATE ELECTRICAL LICENSING BOARD IOWA ADMINISTRATIVE RULE 661-504.

CODE REVIEW LEGEND:

1-HR FIRE RATED WALL

SMOKE PARTITION

FEC — FEC (FIRE EXTINGUISHER CABINET - WALL MOUNTED)

0 / 0 — - COMBINED OCCUPANT LOAD AT GIVEN DOOR OR STAIR
- TOTAL EXIT CAPACITY OF DOOR OR STAIR
(THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS:
CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.2
THE CAPACITY OF STAIRS ARE DETERMINED AS FOLLOWS
WIDTH IN INCHES DIVIDED BY 0.3

— - OCCUPANCY LOAD
(ACCESSORY OCCUPANCY LOADS SHOWN IN AN OVAL)

BUILDING CODE INFORMATION:

OCCUPANCY TYPE:	I-3 / CONDITION 4
CONSTRUCTION TYPE:	V B

*(THE PROJECT IS BEING DESIGNED AS A LEVEL 2 ALTERATION IN ACCORDANCE WITH THE 2015 (IEBC) INTERNATIONAL EXISTING BUILDING CODE. THE ELEVATOR ADDITION IS BEING DEISNED IN ACCORDANCE WITH THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)

*(THE EXISTING BUILDING IS FULLY SPRINKLED AND WILL BE MODIFIED TO MEET ALL CURRENT CODES.)

ALLOWABLE BUILDING AREA:	18,750 SF / PER FLOOR*

*(ADJUSTED FOR SPRINKLERS AND 75% FRONTAGE INCREASE)

TOTAL ALLOWABLE BUILDING AREA:	56,250 SF*

*(THE EXISTING BUILDING HAS THREE FLOORS)

ACTUAL BUILDING AREA*:	11,888 SF (BASEMENT LEVEL)
*(INCLUDES ELEVATOR ADDITION)	11,959 SF (FIRST LEVEL)
	11,888 SF (SECOND LEVEL)
TOTAL ACTUAL BUILDING AREA:	35,735 SF
TOTAL OCCUPANTS:	0* (BASEMENT LEVEL)
	*(CONSIDERED ACCESSORY OCCUPANTS)
	21 PATIENTS (FIRST LEVEL)
	13 STAFF (FIRST LEVEL)
	33 PATIENTS/SECOND LEVEL)
	2 STAFF (SECOND LEVEL)

*(IF THE SQUARE FOOTAGE FOR THE BEDROOMS WERE UNDER HALF OF THE ALLOWABE SQUARE FOOT PER PERSON I ROUNDED DOWN AND IF IT WAS OVER HALF, I ROUNDED UP.)

TOTAL:	69 OCCUPANTS
ALLOWABLE BUILDING HEIGHT IN FEET:	60'-0" (W/ SPRINKLERS)
ACTUAL BUILDING HEIGHT IN FEET:	50'-8"
ALLOWABLE BUILDING HEIGHT IN STORIES:	2 STORIES (W/ SPRINKLERS)
ACTUAL BUILDING HEIGHT IN STORIES:	3 STORIES*

*(BASEMENT LEVEL IS MORE THAN 6 FEET ABOVE GRADE.)

*(THE ISSUE W/ THE NUMBER OF ALLOWABE STORIES WAS GRANTED A VARIANCE ON JUNE 15, 2023.)

EGRESS WIDTH REQUIRED:	13.8"* (BASEMENT LEVEL)
*(IF ALL OCCUPANTS FROM FIRST & SECOND LEVELS ARE IN THE BASEMENT AT THE SAME TIME)	6.8" (FIRST LEVEL)
	7" (SECOND LEVEL)
TOTAL:	13.8"*

*(0.20 IS ALLOWED FOR STAIRWAYS IN BUILDING EQUIPPED W/ AN AUTOMATIC SPRINKLER SYSTEM.)

EGRESS WIDTH PROVIDED:	128" (TOTAL OF 4 STAIRS)
	48" (RAMP)
TOTAL:	176"

PLUMBING SYSTEMS (2021 UNIFORM PLUMBING CODE):

PLUMBING FIXTURES (TABLE 422.1):

CORRECTIONAL FACILITIES OCCUPANT COUNT FOR PLUMBING FIXTURES: 69

	# REQUIRED	#PROVIDED
WATER CLOSETS:	1 PER 8	12
LAVATORIES:	1 PER 10	12
SHOWERS:	1 PER 8	10
DRINKING FOUNTAINS:	1 PER FLOOR	2*

*(THERE IS A HI/LO DRINKING FOUNTAIN WITH BOTTLE FILLER ON ONE SIDE ON THE FIRST AND SECOND LEVEL. THERE ARE TWO KITCHENETTES WITH SINKS IN THE BASEMENT LEVEL TO SUBSTITUE FOR THE DRINKING FOUNTAIN.)

MOP SINK:	1	1

EMPLOYEE OCCUPANT COUNT FOR PLUMBING FIXTURES: 15

	# REQUIRED	#PROVIDED
MALES:		
WATER CLOSETS:	1: 1-15 / 2: 16-35	1
LAVATORIES:	1 PER 40	1
FEMALES:		
WATER CLOSETS:	1: 1-15 / 2: 16-35	1
LAVATORIES:	1 PER 40	1
DRINKING FOUNTAINS:	1 PER 150	2*

*(THERE IS A HI/LO DRINKING FOUNTAIN WITH BOTTLE FILLER ON ONE SIDE ON THE FIRST AND SECOND LEVEL. THERE ARE TWO KITCHENETTES WITH SINKS IN THE BASEMENT LEVEL TO SUBSTITUE FOR THE DRINKING FOUNTAIN.)

MOP SINK:	1	1

GENERAL EXISTING ELEVATOR NOTES:

1. THE EXISTING ELEVATOR WILL BE ABANDONED IN PLACE, THE EXISTING DOORS TO ACCESS THE ELEVATOR WILL BE REMOVED AND THE EXISTING OPENINGS WILL BE INFILLED, AND ALL OF THE EXISTING ELEVATOR EQUIPMENT WILL BE DISCONNECTED AND REMOVED FROM THE ELEVATOR EQUIPMENT ROOM.

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

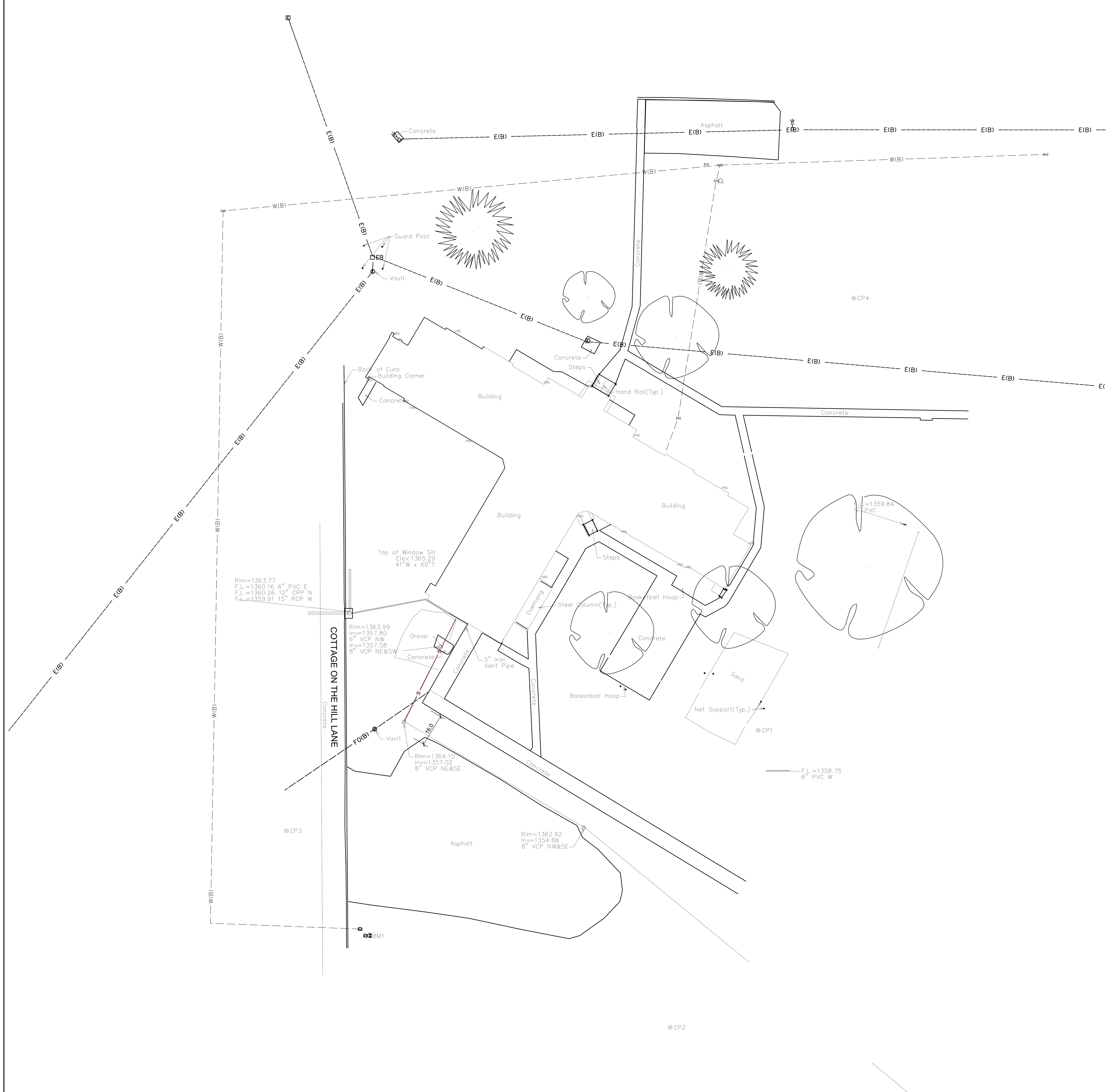
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

CODE REVIEW PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: G005



LEGEND

FEATURES	FOUND
Section Corner	▲
1/2" Rebar, Cap # 11579 (Unless Otherwise Noted)	●
ROW Marker	■
ROW Rail	
Control Point	⊙CP
Bench Mark	
Platted Distance	P
Measured Bearing & Distance	M
Recorded As	R
Deed Distance	D
Calculated Distance	C
Minimum Protection Elevation	MPE
Centerline	
Section Line	
1/4 Section Line	
1/4 1/4 Section Line	
Easement Line	

FEATURES	EXISTING
Spot Elevation	X 1225.25
Contour Elevation	1225
Fence (Barbed, Field, Hog)	X
Fence (Chain Link)	//
Fence (Wood)	○
Fence (Silt)	○
Tree Line	
Tree Stump	
Deciduous Tree \\ Shrub	
Coniferous Tree \\ Shrub	
Communication	C(*)
Overhead Communication	OC(*)
Fiber Optic	FO(*)
Underground Electric	E(*)
Overhead Electric	OE(*)
Gas Main with Size	G(*)
High Pressure Gas Main with Size	HPG(*)
Water Main with Size	W(*)
Sanitary Sewer with Size	S(*)
Duct Bank	DUCT(*)
Test Hole Location for SUE w/ID	

(*) Denotes the survey quality service level for utilities

Sanitary Manhole	
Storm Sewer with Size	ST(*)
Storm Manhole	
Single Storm Sewer Intake	
Double Storm Sewer Intake	
Fire Hydrant	
Fire Hydrant on Building	
Water Main Valve	
Water Service Valve	
Well	
Utility Pole	
Guy Anchor	
Utility Pole with Light	
Utility Pole with Transformer	
Street Light	
Yard Light	
Electric Box	
Electric Transformer	
Traffic Sign	
Communication Pedestal	
Communication Manhole	
Communication Handhole	
Fiber Optic Manhole	
Fiber Optic Handhole	
Gas Valve	
Gas Manhole	
Gas Apparatus	
Fence Post or Guard Post	●
Underground Storage Tank	UST
Above Ground Storage Tank	AST
Sign	
Satellite Dish	
Mailbox	
Sprinkler Head	+
Irrigation Control Valve	ICV

UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE. THE QUALITY LEVELS ARE BASED ON THE CI / ASCE 38-02 STANDARD.
QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY RECORDS OR ORAL RECOLLECTIONS.
QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH QUALITY D INFORMATION.
QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.
QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

NOTES

1. BUILDING LINES AND CORNERS ARE FOR USE IN PREPARING CIVIL SITE PLAN DOCUMENTS. BUILDING CORNERS AND BUILDING LINES SHOULD BE SPECIFICALLY VERIFIED, AS NECESSARY, PRIOR TO DESIGN FOR CONSTRUCTION OF ANY PROPOSED EXPANSION OR CONNECTION OF BUILDING COMPONENTS.
2. FOR CLARITY PURPOSES, SURVEY SPOT ELEVATIONS ARE NOT SHOWN ON THIS SURVEY, BUT ARE CONTAINED WITHIN THE DIGITAL CADD FILES.
3. FOR THE PURPOSE OF THIS SURVEY, STORM SEWER, SANITARY SEWER AND WATER MAIN LINES ARE ASSUMED TO FOLLOW A STRAIGHT LINE FROM STRUCTURE TO STRUCTURE.
4. UTILITY SERVICE LINES TO BUILDINGS ARE APPROXIMATE ONLY. AN INTERNAL BUILDING INVESTIGATION, EXCAVATION AND/OR SUBSURFACE LOCATING/DESIGNATING WOULD NEED TO BE PERFORMED TO DETERMINE THE LOCATION OF SERVICES ENTERING THE BUILDING.
5. UNDERGROUND PIPE MATERIALS AND SIZES ARE BASED UPON VISIBLE EVIDENCE VIEWED FROM ACCESS MANHOLES/STRUCTURES. DUE TO THE CONFIGURATION AND/OR CONSTRUCTION OF THE STRUCTURE, IT MAY BE DIFFICULT TO ACCURATELY DETERMINE THE PIPE MATERIAL AND/OR SIZE. THE SURVEYOR WILL USE THEIR JUDGMENT AND EXPERIENCE TO ATTEMPT TO DETERMINE, BUT COMPLETE ACCURACY CANNOT BE GUARANTEED.

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com

0 20
FEET

DRAWN:	XXX
DESIGNED:	XXX
CHECKED:	XXX
PROJ. MNGR:	XXX

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

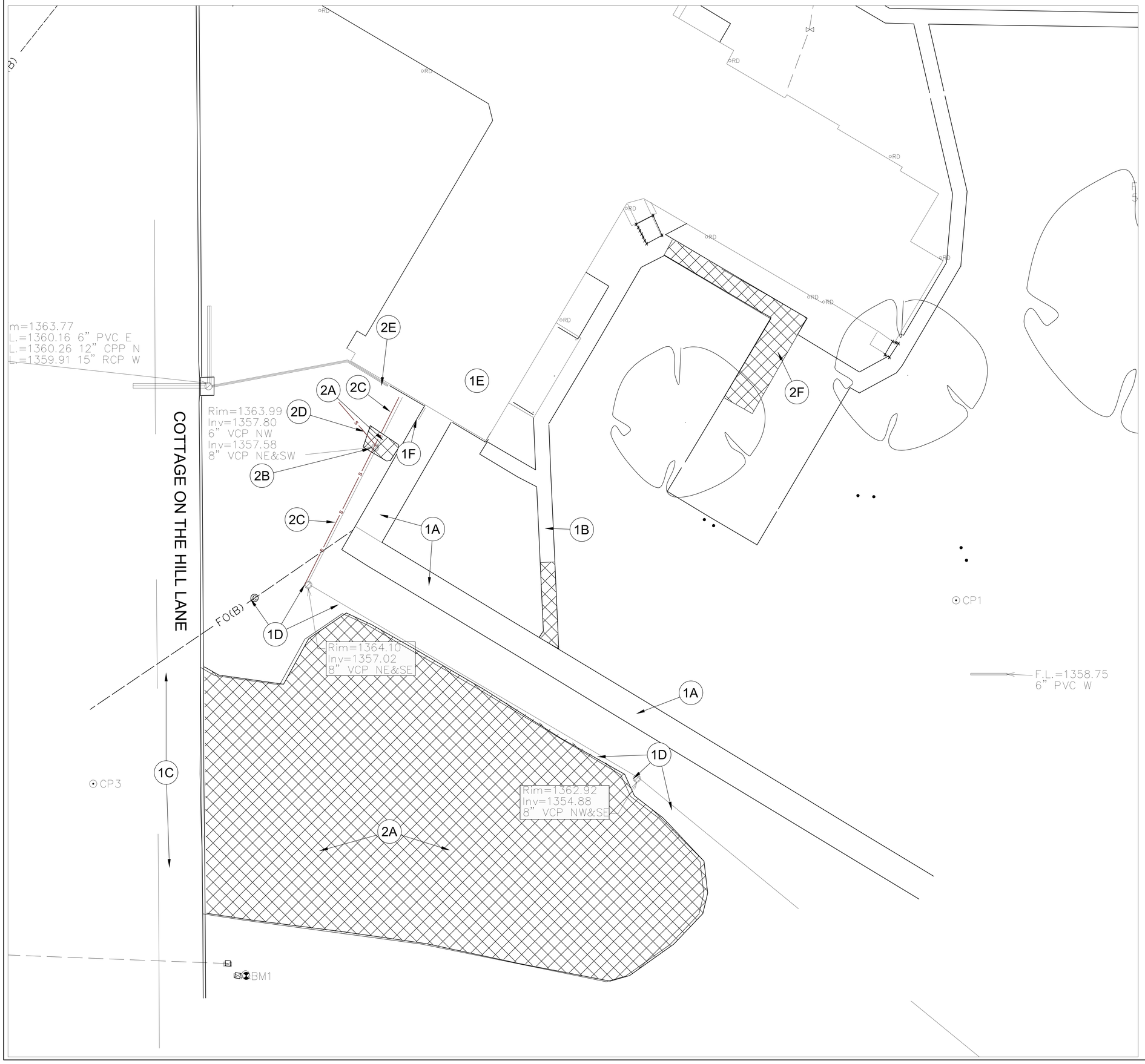
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

EXISTING CONDITIONS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE
ARCHITECTURE
ENGINEERING
FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: C100



EXISTING CONDITIONS AND REMOVAL NOTES

1. EXISTING FEATURES PROTECT THE FOLLOWING:
   - A. EXISTING TUNNEL/SIDEWALK.
   - B. EXISING SIDEWALK
   - C. EXISTING PAVEMENTS
   - D. EXISITNG UTILITIES
   - E. EXISTING BUILDING
   - F. EXISTING VENT PIPE

2. REMOVALS, REMOVE AND DISPOSE OF THE FOLLOWING:
   - A. EXISTING ASPHALT
   - B. EXISTING SANITARY MANHOLE.
   - C. EXISTING 8" SANITARY SEWER PIPE.
   - D. EXISTING 6" SANITARY SEWER PIPE, REMOVE TO PROPOSED MANHOLE LOCATION. REMOVE OR ABANDON REMAINING PIPE IF NOT IN USE. COORDINATE WITH OWNER AND VERIFY IF PIPE IS ACTIVE PRIOR TO CONSTRUCTION.
   - E. ROOF DRAIN. CONTRACTOR TO REMOVE AND REROUTE TO NORTH EAST CORNER OF BUILDING. SEE SHEET C200 FOR NEW LOCATION.
   - F. EXISTING SIDEWALK.

-PAVEMENT REMOVAL

SANITARY SEWER REMOVAL

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811

0 10
FEET

DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
XXX	XXX	XXX	XXX

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE		
09-01-2023		

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

SITE REMOVALS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

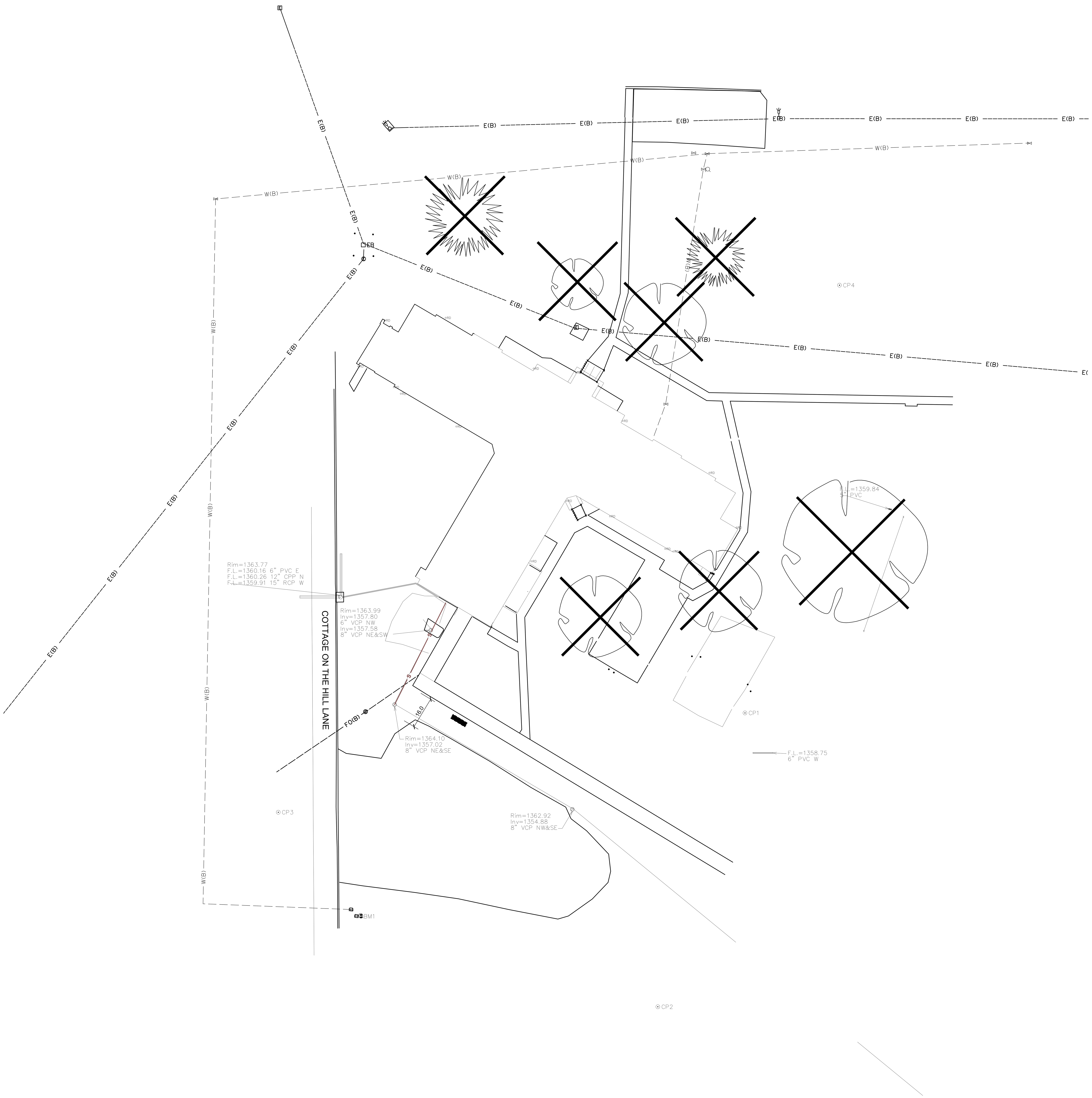
SHEET: C101

TREE REMOVAL LEGEND

REMOVE TREE AND ROOTS -

TREE REMOVAL NOTES

1. REMOVE AND DISPOSE OF ENTIRE TREE INCLUDING STUMP AND ROOTS.
2. FILL HOLE FROM TREE REMOVAL WITH TOPSOIL AND SEED WITH SUDAS TYPE 1 SEED MIX.
3. FACILITY TO REMOVE TREES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH FACILITY ON ANY TREE OR ROOT REMOVALS THAT NEED TO BE COMPLETED BY THE CONTRACTOR.



IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com

0 20
FEET

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

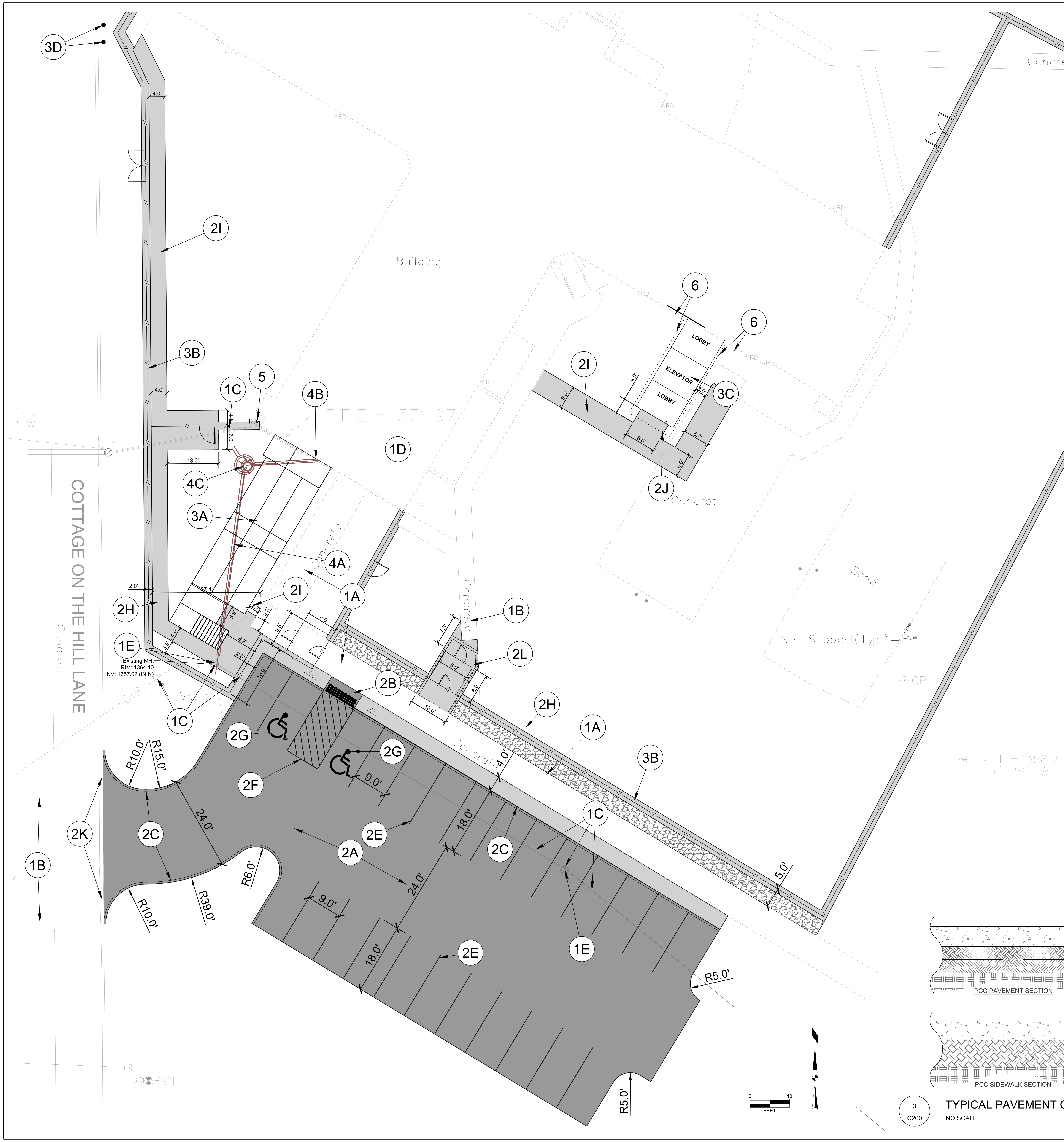
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

TREE REMOVALS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: C102



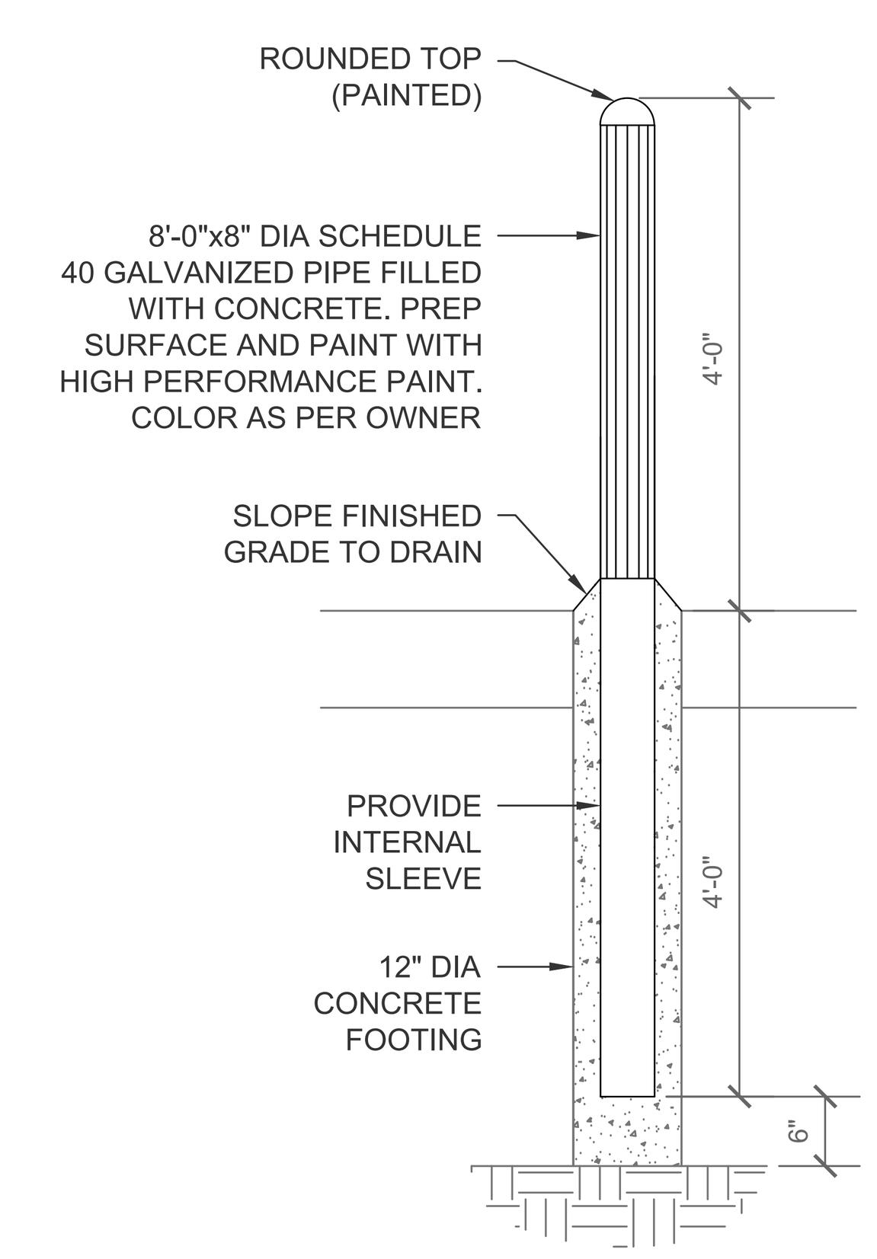
LAYOUT AND GRADING NOTES

1. EXISTING FEATURES PROTECT THE FOLLOWING:
   - A. EXISTING TUNNEL
   - B. EXISTING PAVEMENT
   - C. EXISTING UTILITIES
   - D. EXISTING BUILDING
   - E. EXISTING MANHOLE. ADJUST CASTING TO FINAL GRADE AS NECESSARY.
2. PROPOSED PAVEMENT PROVIDE THE FOLLOWING:
   - A. 6" DEPTH PCC ON 12" PREPARED SUBGRADE COMPACTED TO 95% STANDARD PROCTOR.
   - B. 6" DEPTH ACCESSIBLE RAMP WITH DETECTABLE WARNING PANEL AS PER ADA STANDARDS.
   - C. 6" PCC STANDARD CURB
   - D. 3' WIDE CURB OPENING
   - E. 4" WIDTH WHITE PARKING STALL LINES
   - F. ACCESSIBLE AISLE, 45° STRIPING AT 3' ON CENTER
   - G. PAINTED ACCESSIBLE PARKING SYMBOL
   - H. 4" DEPTH x 2' WIDTH PCC ON COMPACTED SUBGRADE UNDER FENCE.
   - I. 4" DEPTH PCC SIDEWALK ON PREPARED SUBGRADE COMPACTED TO 95% STANDARD PROCTOR.
   - J. PCC BUILDING STOOP. SEE STRUCTURAL PLANS FOR DETAILS.
   - K. CONNECT TO EXISTING DRIVEWAY OPENING WITH SUDAS TYPE A DRIVEWAY CONNECTION. (SEE SUDAS STANDARD SPECIFICATIONS DETAIL 7030.101)
   - L. PCC SIDEWALK STOOP. SEE SHEET C300 FOR DETAILS.
3. PROVIDE THE FOLLOWING SITE IMPROVEMENTS WHERE INDICATED:
   - A. ACCESSIBLE BUILDING RAMP. SEE SHEETS C400 AND C500 FOR DETAILS.
   - B. FENCE. SEE SHEET C300 FOR DETAILS.
   - C. ELEVATOR. SEE STRUCTURAL DRAWINGS FOR DETAILS.
   - D. 8" DIAMETER BOLLARD. SEE DETAIL THIS PAGE.
4. SANITARY SEWER PROVIDE THE FOLLOWING. SEE SANITARY SEWER SHEET FOR DETAILS:
   - A. 8" PVC SANITARY SEWER SERVICE.
   - B. CONNECT TO BUILDING SANITARY SEWER. COORDINATE CONNECTION LOCATION AND ELEVATION PRIOR TO CONSTRUCTION.
   - C. SANITARY SEWER MANHOLE.
5. RELOCATED DOWNSPOUT. RECONNECT TO EXISTING STORM SEWER.
6. REROUTE EXISTING UNDERGROUND ROOF DRAIN COLLECTOR AROUND PROPOSED ELEVATOR ADDITION. CONNECT PROPOSED DOWNSPOUTS TO REROUTED COLLECTION LINE. SEE ARCHITECTURAL PLANS FOR ROOF DRAIN LOCATION. APPROXIMATE REROUTE LOCATION SHOWN FOR REFERENCE ONLY. CONTRACTOR TO MATCH SIZE AND COORDINATE CONNECTIONS.

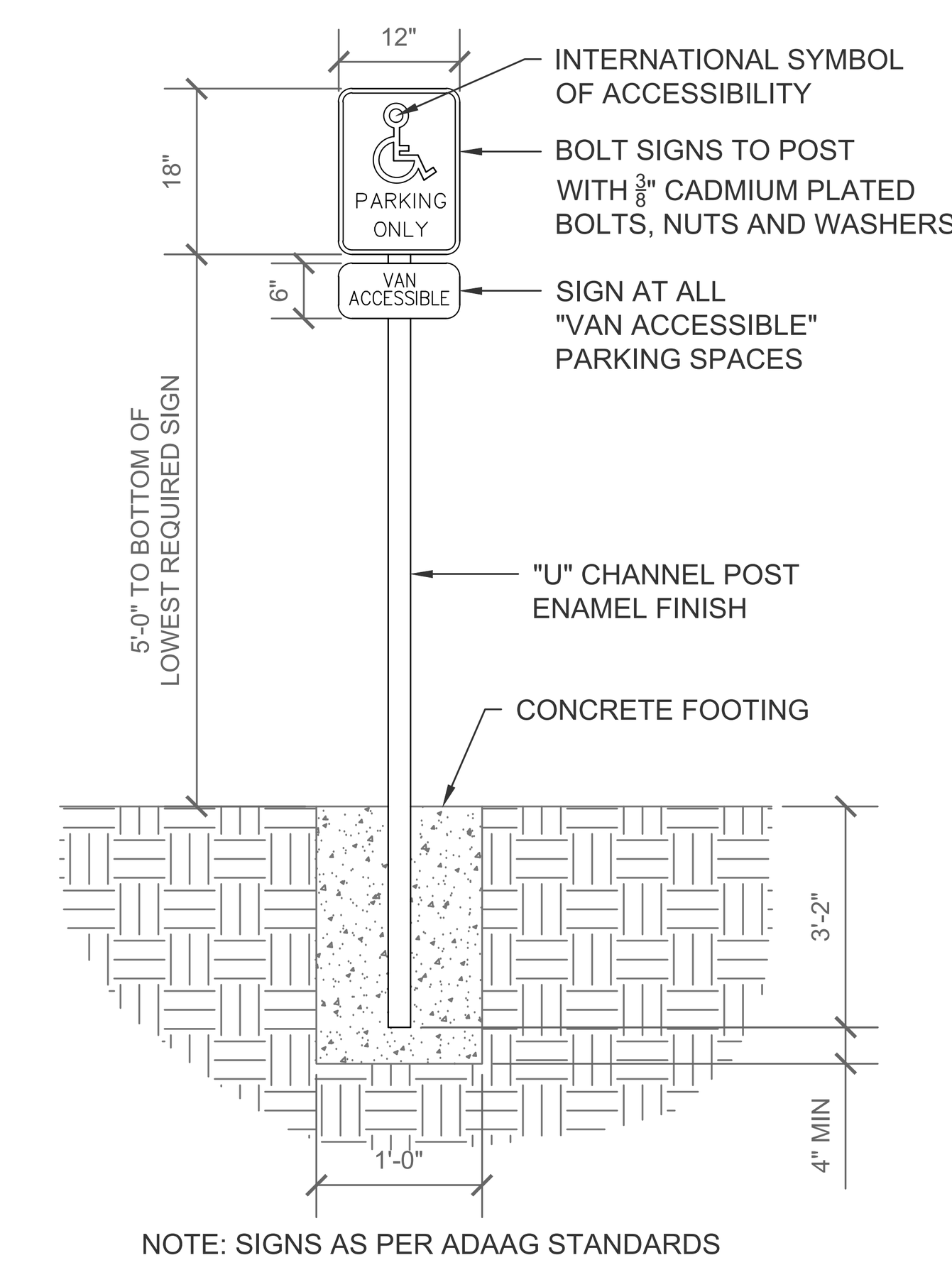
PAVEMENT JOINTING NOTES

1. PAVEMENT UNDER FENCE TO HAVE JOINTS SPACED AT 15'. SIDEWALK JOINTS TO BE SPACED EQUAL TO THE WIDTH OF THE SIDEWALK.
2. CONTRACTOR TO DETERMINE PARKING LOT JOINTING. JOINTS TO BE EVEN SPACED, RUNNING PARALLEL AND PERPENDICULAR TO THE CURB AND GUTTER WITH A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5.

- 6" DEPTH PCC
- 4" DEPTH PCC
- LANDSCAPING RIVER ROCK WITH WEED BARRIER FABRIC UNDERNEATH

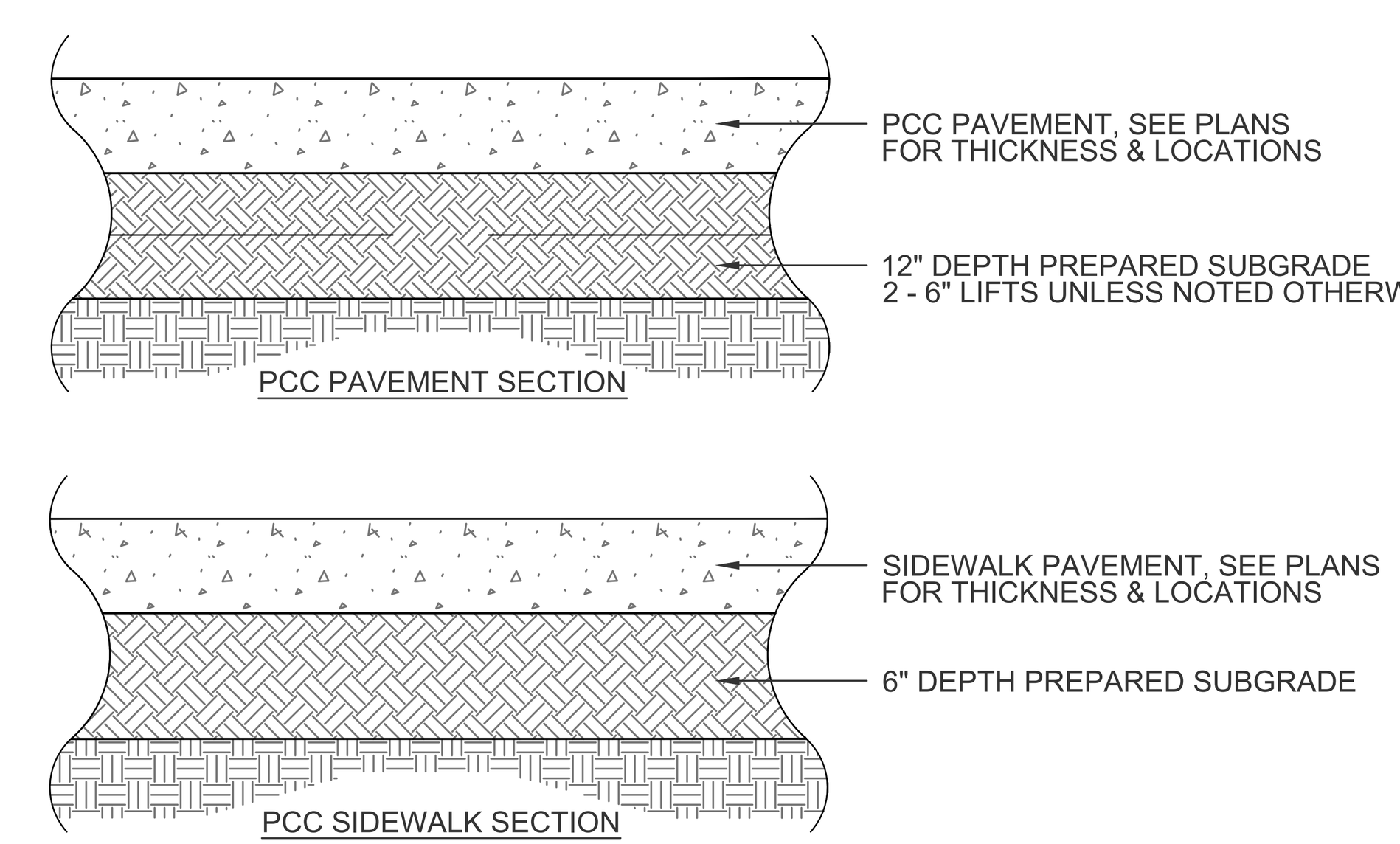


1 C200 BOLLARD DETAIL
NO SCALE



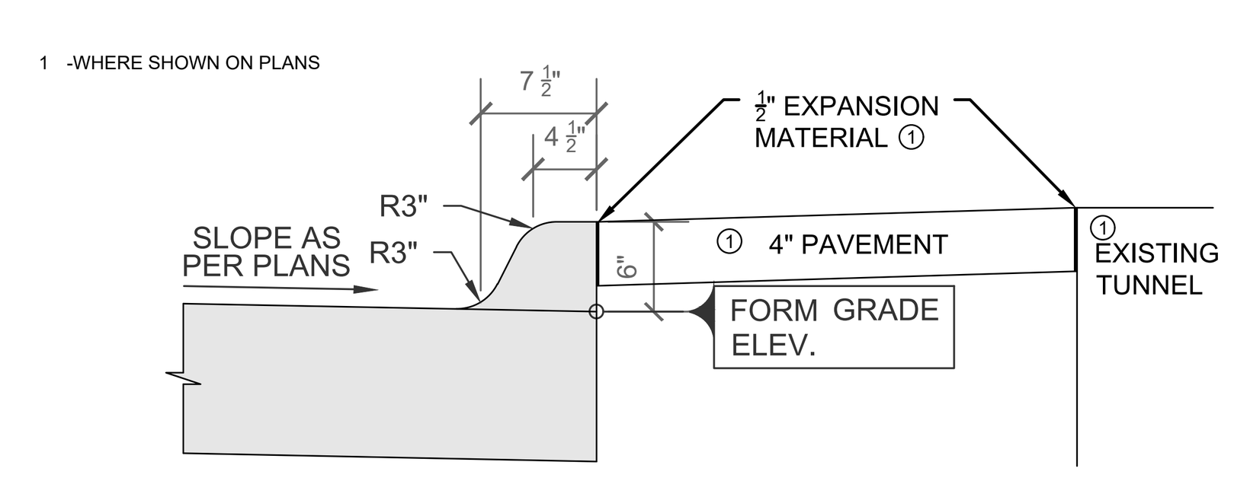
NOTE: SIGNS AS PER ADAAG STANDARDS

2 C200 ACCESSIBLE PARKING SIGN
NO SCALE



3 C200 TYPICAL PAVEMENT CROSS SECTIONS
NO SCALE

1 -WHERE SHOWN ON PLANS



4 C200 6-INCH STANDARD CURB
NO SCALE

0 10 FEET

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

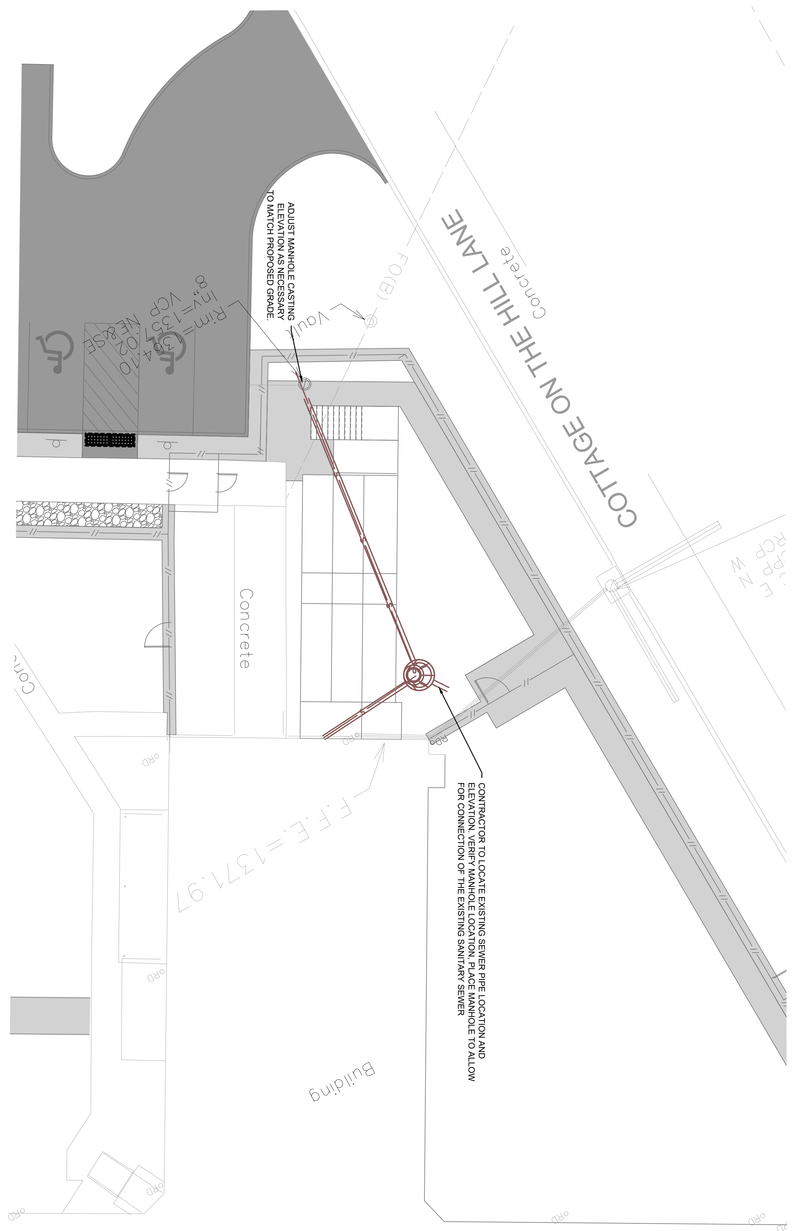
DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

SITE PLAN

KPE ARCHITECTURE ENGINEERING FORENSICS
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPEINC.COM

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: C200



0
FEET
10

SHEET: C201	JOB NUMBER: 257-014	DATE: 09-01-2023	

KPE ARCHITECTURE ENGINEERING FORENSICS
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
www.KPE-INC.COM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

SANITARY SEWER PLAN AND PROFILE

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

GRADING NOTES

1. CONTRACTOR TO STRIP TOP SOIL ON AREAS TO BE CUT OR FILLED AND RESPREAD TO A MINIMUM DEPTH OF 4". PLACE TOPSOIL OVER ALL DISTURBED AREAS.
2. ANY EXCESS CUT TO BE SPREAD ON SITE AS DIRECTED BY THE ENGINEER.
3. EROSION CONTROL: PLACE SILT FENCE AND MAINTAIN WHERE SHOWN. SEED ALL DISTURBED AREAS UPON COMPLETION.

- 4" DEPTH PCC

- 6" DEPTH PCC

0 10 FEET

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

LAYOUT AND GRADING PLAN

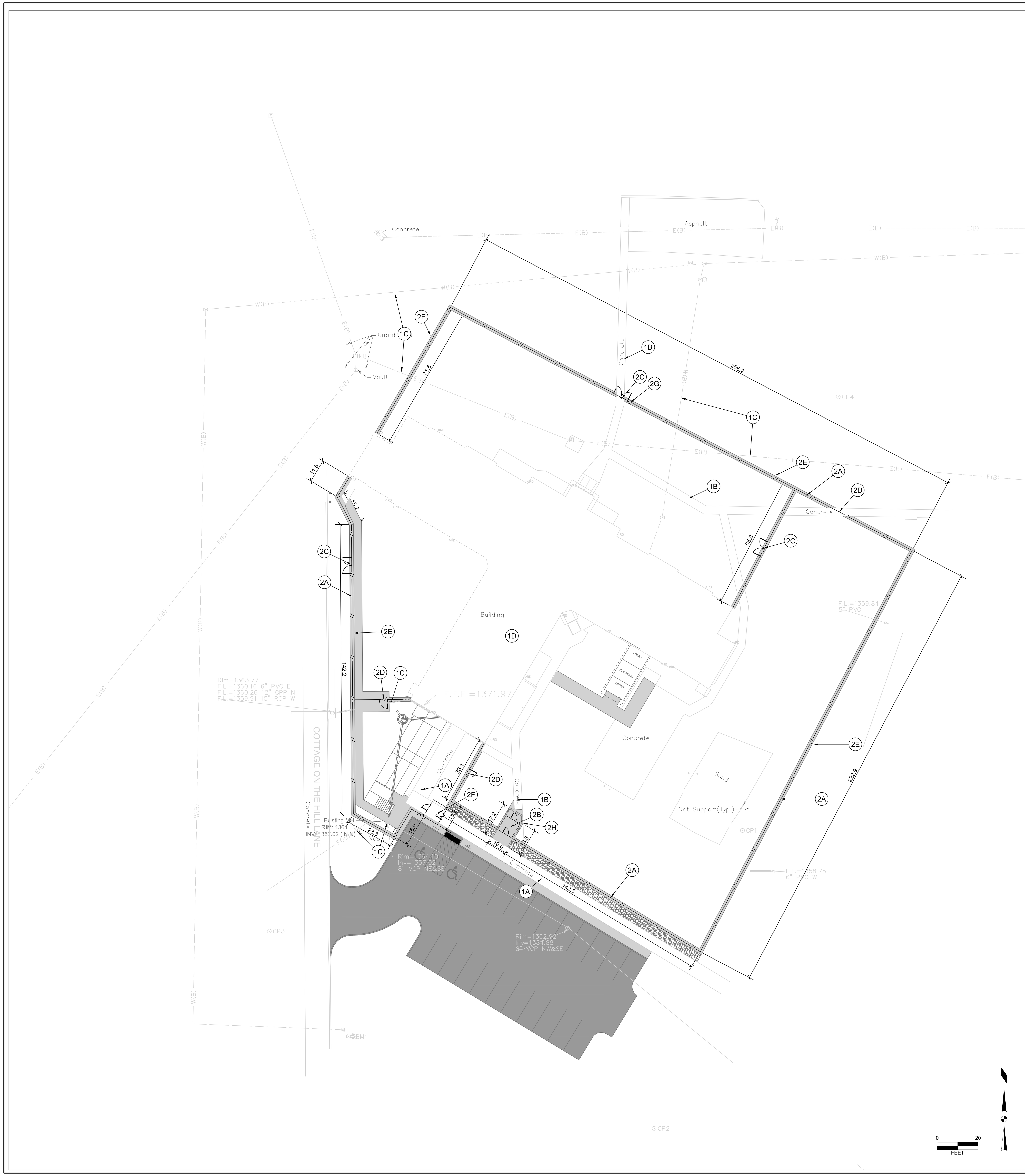
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

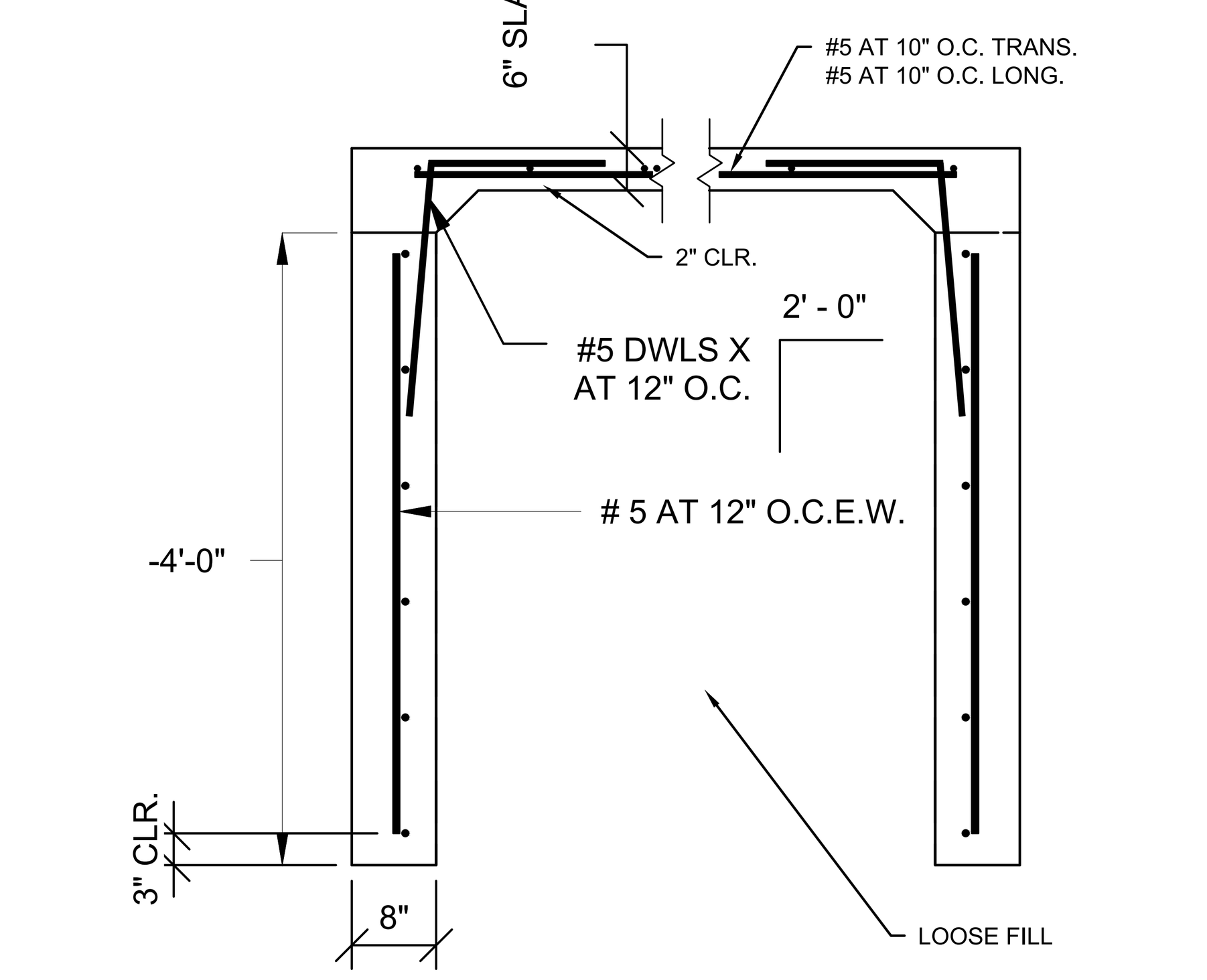
SHEET: C202



FENCING NOTES

1. EXISTING FEATURES PROTECT THE FOLLOWING:
   A. EXISTING TUNNEL
   B. EXISTING PAVEMENT
   C. EXISTING UTILITIES
   D. EXISTING BUILDING

2. FENCING, PROVIDE THE FOLLOWING WHERE INDICATED:
   A. 12' HEIGHT NO CLIMB MESH FENCE WITH RAZOR WIRE.
   B. PEDESTRIAN SALLY PORT ENTRANCE, REMOTE OPERATED. COORDINATE WITH OWNER AND ARCHITECT.
   C. EQUIPMENT GATE. PROVIDE 16' HEIGHT FENCE AT EQUIPMENT GATE LOCATIONS. COORDINATE WITH OWNER AND FENCE MANUFACTURER.
   D. PEDESTRIAN GATE.
   E. 4" DEPTH X 2' WIDTH PCC UNDER FENCE, PROVIDE CONTROL JOINTS EVERY 15'
   F. PEDESTRIAN SALLY PORT ENTRANCE, KEY FOB OPERATED. COORDINATE WITH OWNER AND ARCHITECT.
   G. KNOX BOX
   H. PCC STOOP. SEE DETAIL THIS SHEET.



1 / C300 — PCC STOOP SECTION VIEW
NO SCALE

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

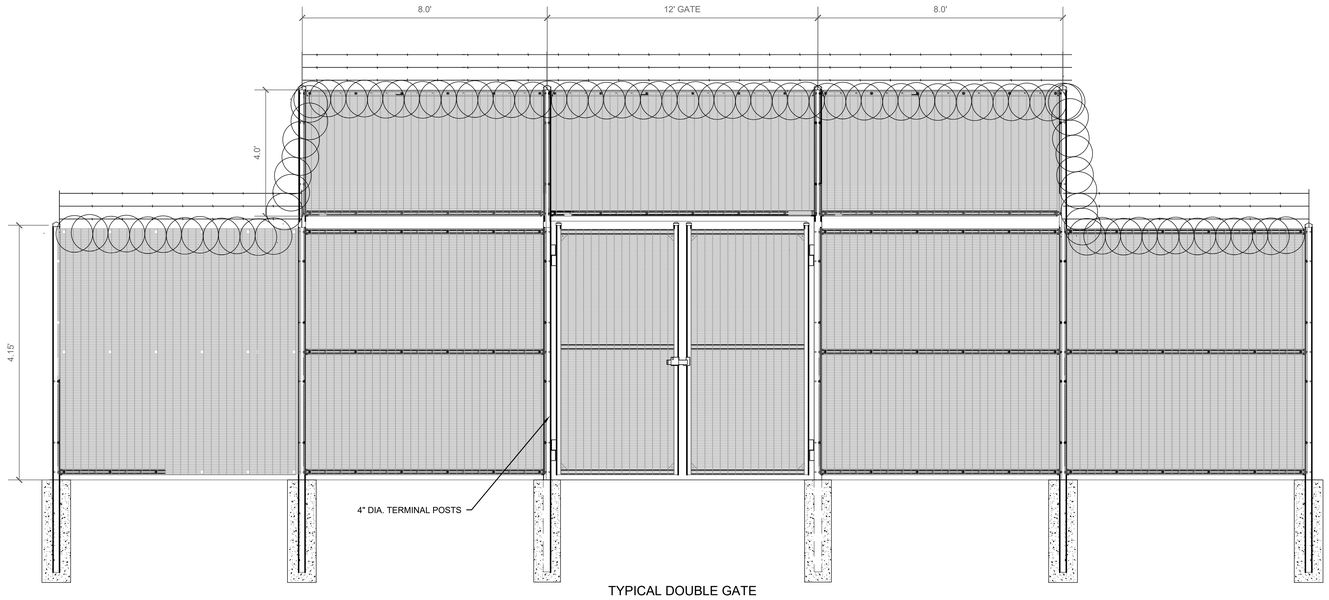
DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FENCING LAYOUT

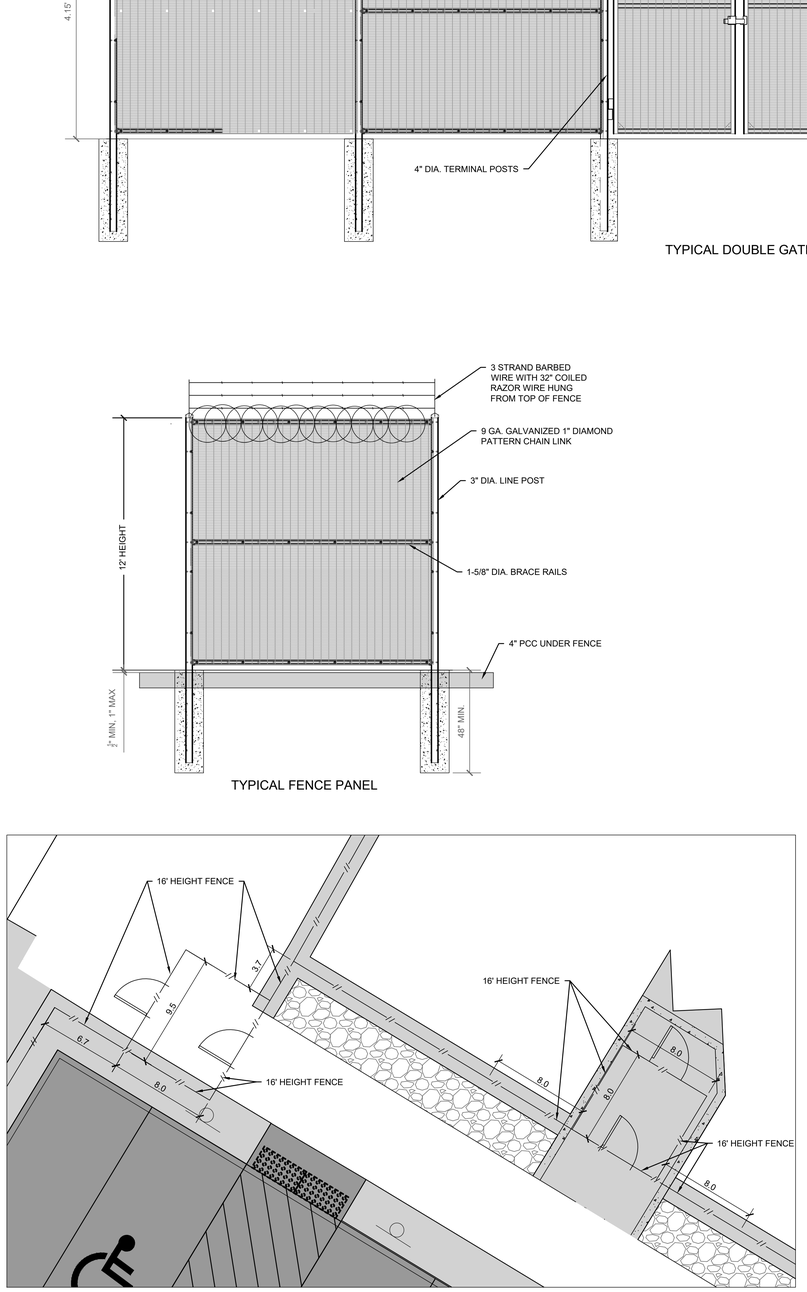
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: C300

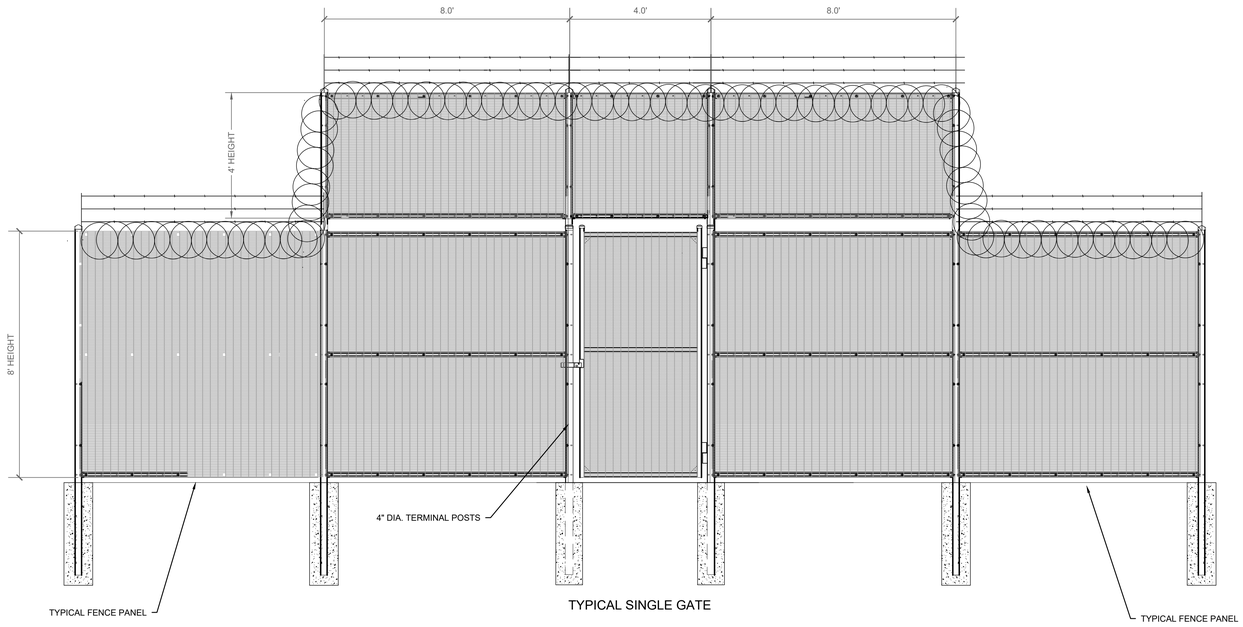


TYPICAL DOUBLE GATE

TYPICAL FENCE PANEL



1 C301 SALLY PORT FENCE
5 SCALE



TYPICAL SINGLE GATE

FENCE NOTES

1. ALL POSTS, RAILS AND BRACES TO BE GALVANIZED.
2. MATERIALS AND INSTALLATION SHALL BE PER SUDAS UNLESS OTHERWISE NOTED.
3. FENCE FABRIC SHALL BE INSTALLED ON THE BUILDING SIDE OF THE FENCE.
4. BARBED WIRE AND RAZOR WIRE SHALL BE INSTALLED ALONG THE TOP OF THE ENTIRE FENCE.
5. FENCE FABRIC SHALL BE 9 GA. GALVANIZED, 1" DIAMOND PATTERN CHAIN LINK.

POST SIZES	
LINEPOSTS	3" DIA
TERMINAL POSTS	4" DIA
TOP/MIDDLE/BOTTOM BRACE RAILS	1-5/8" DIA
GATE POSTS	REFER TO CONTRACT DOCUMANTS AND ASTM F 900

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

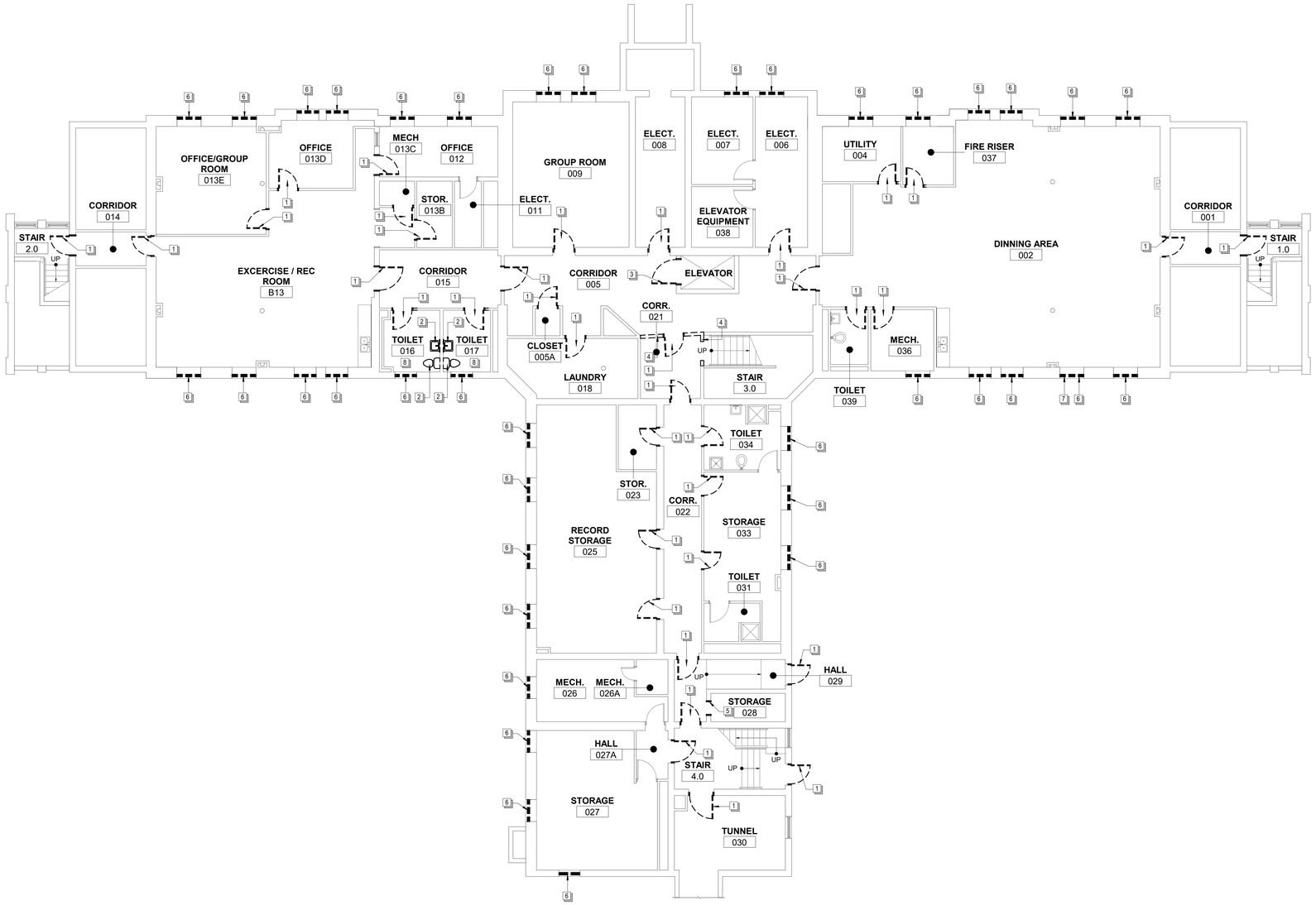
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

FENCING DETAILS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: C301



1 AD110 DEMOLITION PLAN - BASEMENT LEVEL
1/8" = 1'-0"

NORTH

GENERAL DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.

B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.

D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.

E. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR RELATED WORK. CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR WORK OF ALL SURFACES AFFECTED BY DEMOLITION WORK, REGARDLESS OF TRADE. COORDINATE REQUIRED PATCHWORK WITH ALL CONTRACTORS.

F. ALL WALLS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ELECTRICAL OUTLETS, SWITCHES AND CONDUITS, TELEPHONE OUTLETS, WIRING, MECHANICAL PIPING, BASES AND PLUMBING, ETC. DISCONNECT ALL MECHANICAL AND ELECTRICAL SERVICES IN EXISTING WALLS TO BE REMOVED. ADDITIONALLY, PATCH ALL ADJACENT WALLS SHOWN TO REMAIN WITH MATCHING MATERIAL. TOOTH-IN BLOCK AT MASONRY WALLS SHOWN TO REMAIN.

G. CONTRACTOR SHALL FIELD VERIFY ACTUAL FLOOR ELEVATIONS WHERE ADJOINING ROOM WALLS ARE TO BE REMOVED. PATCH FLOORS AS REQUIRED IN AREAS OF DEMOLITION TO ACHIEVE A SMOOTH SURFACE FOR FLOORING. PATCH MATERIAL SHALL MATCH EXISTING. FLOOR DEVIATIONS OVER 1/8-INCH PER TEN FEET SHALL BE GROUND OUT OR FILLED TO ACHIEVE UNIFORM TRANSITION.

H. THE INFORMATION SHOWN ON THE DEMOLITION PLANS, INCLUDING DOORS, WALLS, CHASES AND EQUIPMENT ARE NOT INTENDED TO REPRESENT THE TOTAL SCOPE OF THE DEMOLITION CONTRACT. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO ASSIST THE CONTRACTOR WITH ESTIMATION ONLY WITHOUT LIMITING DEFINITION OF SCOPE. THE INTENT OF DEMOLITION IS TO COMPLETELY REMOVE ALL ITEMS, EXCEPT AS NOTED OTHERWISE, WITHIN THE CONTRACT AREA TO THE ORIGINAL STRUCTURE AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION WORK SHOWN IN THESE CONTRACT DOCUMENTS.

I. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.

J. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.

K. CONTRACTOR SHALL COMPLETELY REMOVE ALL THE ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

— — — ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

KEYNOTES [#]

#	DESCRIPTION
1	REMOVE DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
2	REMOVE EXISTING PLUMBING FIXTURE. COORDINATE WITH PLUMBING DEMOLITION DRAWINGS.
3	REMOVE DOOR, FRAME, ALL ASSOCIATED HARDWARE AND WALL CONTROL BUTTONS FOR THE ELEVATOR IN THEIR ENTIRETY.
4	REMOVE STUD/GWB WALL IN ITS ENTIRETY.
5	REMOVE FRAME IN ITS ENTIRETY.
6	REMOVE WINDOW, FRAME, SILL, TRIM AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY AS REQUIRED FOR NEW WORK.
7	SAWCUT MASONRY WALL AND REMOVE GWB/PLASTER WALL AND ASSOCIATED FRAMING AS NEEDED FOR NEW DOOR/WINDOW OPENING.
8	REMOVE EXISTING MIRROR AND ALL BATHROOM ACCESSORIES IN THEIR ENTIRETY.

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE	09-01-2023	

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

DEMOLITION PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AD110

GENERAL DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.

B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.

D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.

E. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR RELATED WORK. CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR WORK OF ALL SURFACES AFFECTED BY DEMOLITION WORK, REGARDLESS OF TRADE. COORDINATE REQUIRED PATCHWORK WITH ALL CONTRACTORS

F. ALL WALLS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ELECTRICAL OUTLETS, SWITCHES AND CONDUITS, TELEPHONE OUTLETS, WIRING, MECHANICAL PIPING, BASES AND PLUMBING, ETC. DISCONNECT ALL MECHANICAL AND ELECTRICAL SERVICES IN EXISTING WALLS TO BE REMOVED. ADDITIONALLY, PATCH ALL ADJACENT WALLS SHOWN TO REMAIN WITH MATCHING MATERIAL. TOOTH-IN BLOCK AT MASONRY WALLS SHOWN TO REMAIN.

G. CONTRACTOR SHALL FIELD VERIFY ACTUAL FLOOR ELEVATIONS WHERE ADJOINING ROOM WALLS ARE TO BE REMOVED. PATCH FLOORS AS REQUIRED IN AREAS OF DEMOLITION TO ACHIEVE A SMOOTH SURFACE FOR FLOORING. PATCH MATERIAL SHALL MATCH EXISTING. FLOOR DEVIATIONS OVER 1/8-INCH PER TEN FEET SHALL BE GROUND OUT OR FILLED TO ACHIEVE UNIFORM TRANSITION.

H. THE INFORMATION SHOWN ON THE DEMOLITION PLANS, INCLUDING DOORS, WALLS, CHASES AND EQUIPMENT ARE NOT INTENDED TO REPRESENT THE TOTAL SCOPE OF THE DEMOLITION CONTRACT. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO ASSIST THE CONTRACTOR WITH ESTIMATION ONLY WITHOUT LIMITING DEFINITION OF SCOPE. THE INTENT OF DEMOLITION IS TO COMPLETELY REMOVE ALL ITEMS, EXCEPT AS NOTED OTHERWISE, WITHIN THE CONTRACT AREA TO THE ORIGINAL STRUCTURE AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION WORK SHOWN IN THESE CONTRACT DOCUMENTS.

I. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.

J. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.

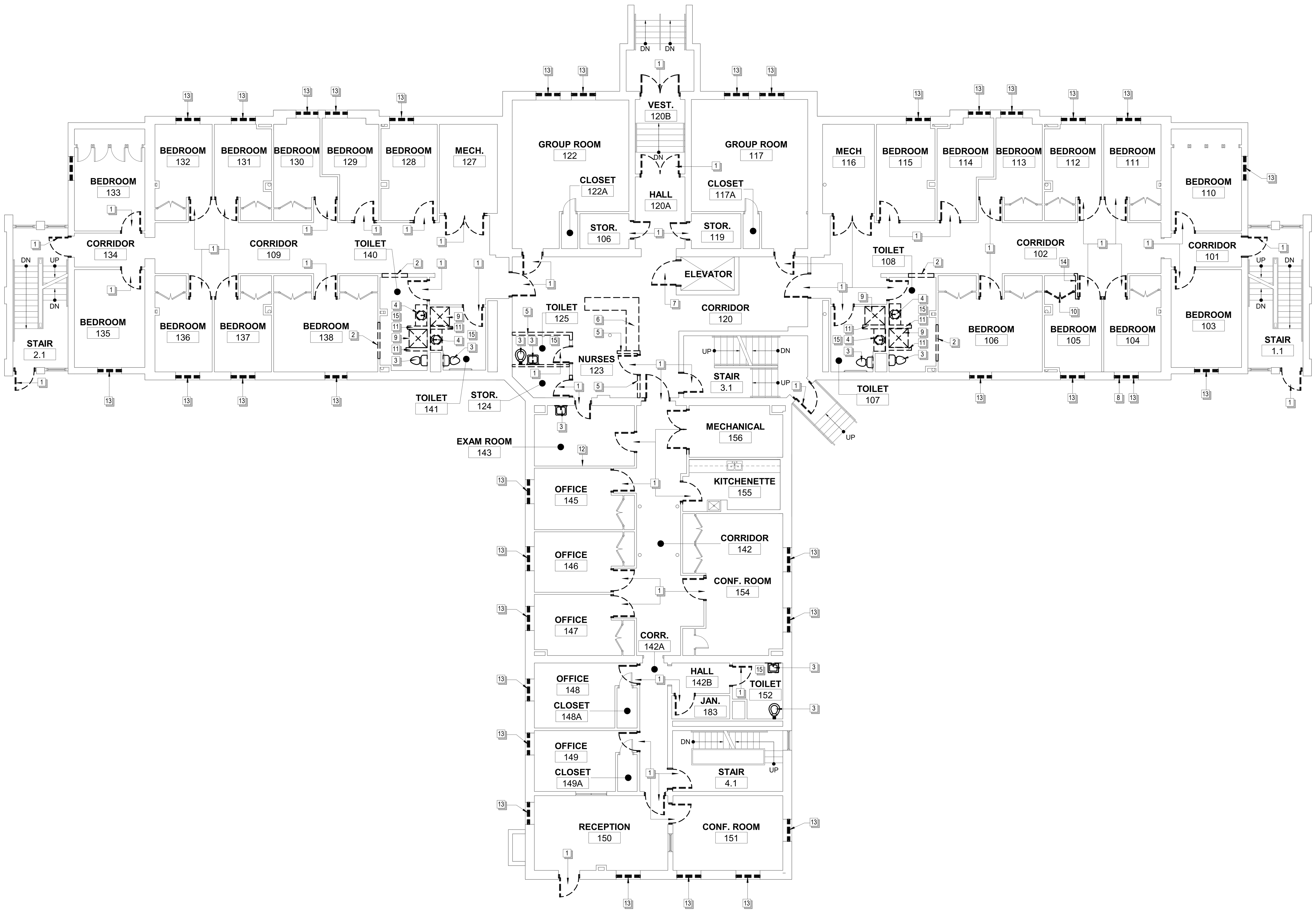
K. CONTRACTOR SHALL COMPLETELY REMOVE ALL THE ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

— — — ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

KEYNOTES

#	DESCRIPTION
1	REMOVE DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
2	REMOVE MASONRY AND STUD/GWB WALL IN ITS ENTIRETY, AS SHOWN ON PLAN, FOR NEW OPENING. HEIGHT OF MASONRY WALL IS APPROXIMATELY 9'-4" A.F.F. SEE GENERAL DEMOLITION NOTES.
3	REMOVE EXISTING PLUMBING FIXTURE. COORDINATE WITH PLUMBING DEMOLITION DRAWINGS.
4	REMOVE EXISTING SINK AND COUNTERTOP IN ITS ENTIRETY. COORDINATE WITH PLUMBING DEMOLITION DRAWINGS.
5	REMOVE WALL AS REQUIRED FOR NEW WORK.
6	REMOVE CASEWORK SHOWN BOLD AND DASHED IN ITS ENTIRETY.
7	REMOVE DOOR, FRAME, ALL ASSOCIATED HARDWARE AND WALL CONTROL BUTTONS FOR THE ELEVATOR IN THEIR ENTIRETY.
8	SAWCUT MASONRY WALL AND REMOVE GWB/PLASTER WALL AND ASSOCIATED FRAMING AS NEEDED FOR NEW DOOR/WINDOW OPENING.
9	REMOVE EXISTING SHOWER IN ITS ENTIRETY. COORDINATE WITH PLUMBING DEMOLITION DRAWINGS.
10	REMOVE CLOSET IN ITS ENTIRETY.
11	REMOVE STUD/GWB WALL IN ITS ENTIRETY.
12	REMOVE CHALK, MARKER, OR TACK BOARD IN ITS ENTIRETY.
13	REMOVE WINDOW, FRAME, SILL, TRIM AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY AS REQUIRED FOR NEW WORK.
14	REMOVE INTERIOR MASONRY WALL AS REQUIRED FOR NEW WORK. HEIGHT OF MASONRY WALL IS APPROXIMATELY 9'-4" A.F.F. SEE GENERAL DEMOLITION NOTES.
15	REMOVE EXISTING MIRROR AND ALL BATHROOM ACCESSORIES IN THEIR ENTIRETY.



NORTH

1 AD111 DEMOLITION PLAN - FIRST LEVEL

1/8" = 1'-0"

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: MJM

DESIGNED: MJM

CHECKED: MJM

PROJ. MNGR: MJM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE

1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

DEMOLITION PLAN - FIRST LEVEL

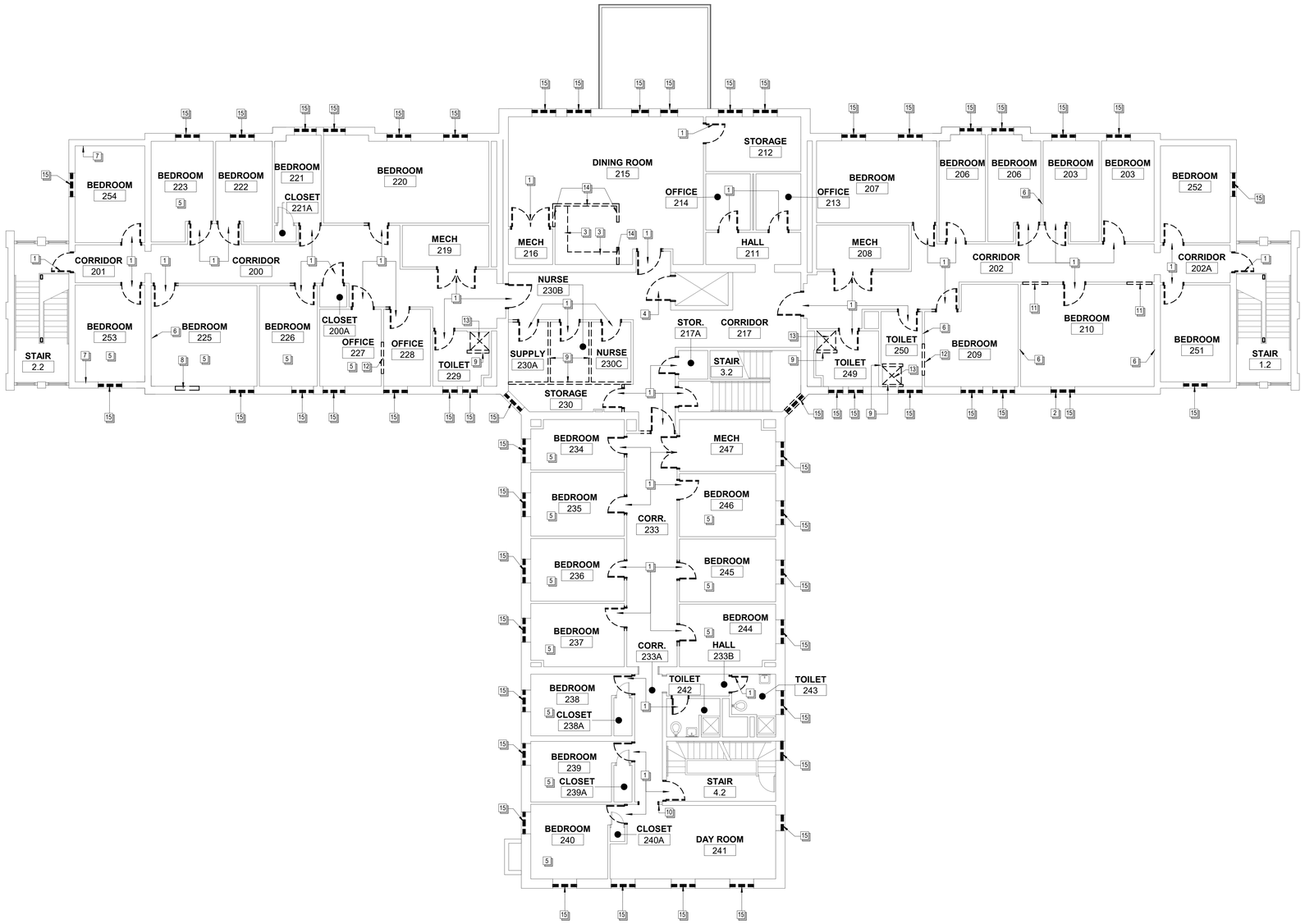
KPE ARCHITECTURE ENGINEERING FORENSICS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: AD111



1 AD112 DEMOLITION PLAN - SECOND LEVEL
1/8" = 1'-0"

NORTH

GENERAL DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.
B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.
D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.
E. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR RELATED WORK. CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR WORK OF ALL SURFACES AFFECTED BY DEMOLITION WORK, REGARDLESS OF TRADE. COORDINATE REQUIRED PATCHWORK WITH ALL CONTRACTORS.
F. ALL WALLS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ELECTRICAL OUTLETS, SWITCHES AND CONDUITS, TELEPHONE OUTLETS, WIRING, MECHANICAL PIPING, BASES AND PLUMBING, ETC. DISCONNECT ALL MECHANICAL AND ELECTRICAL SERVICES IN EXISTING WALLS TO BE REMOVED. ADDITIONALLY, PATCH ALL ADJACENT WALLS SHOWN TO REMAIN WITH MATCHING MATERIAL. TOOTH-IN BLOCK AT MASONRY WALLS SHOWN TO REMAIN.
G. CONTRACTOR SHALL FIELD VERIFY ACTUAL FLOOR ELEVATIONS WHERE ADJOINING ROOM WALLS ARE TO BE REMOVED. PATCH FLOORS AS REQUIRED IN AREAS OF DEMOLITION TO ACHIEVE A SMOOTH SURFACE FOR FLOORING. PATCH MATERIAL SHALL MATCH EXISTING. FLOOR DEVIATIONS OVER 1/8-INCH PER TEN FEET SHALL BE GROUND OUT OR FILLED TO ACHIEVE UNIFORM TRANSITION.
H. THE INFORMATION SHOWN ON THE DEMOLITION PLANS, INCLUDING DOORS, WALLS, CHASES AND EQUIPMENT ARE NOT INTENDED TO REPRESENT THE TOTAL SCOPE OF THE DEMOLITION CONTRACT. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO ASSIST THE CONTRACTOR WITH ESTIMATION ONLY WITHOUT LIMITING DEFINITION OF SCOPE. THE INTENT OF DEMOLITION IS TO COMPLETELY REMOVE ALL ITEMS, EXCEPT AS NOTED OTHERWISE, WITHIN THE CONTRACT AREA TO THE ORIGINAL STRUCTURE AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION WORK SHOWN IN THESE CONTRACT DOCUMENTS.
I. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.
J. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.
K. CONTRACTOR SHALL COMPLETELY REMOVE ALL THE ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

— — — ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

KEYNOTES [#]

#	DESCRIPTION
1	REMOVE DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
2	SAWCUT MASONRY WALL AND REMOVE GWB/PLASTER WALL AND ASSOCIATED FRAMING AS NEEDED FOR NEW DOOR/WINDOW OPENING.
3	REMOVE CASEWORK SHOWN BOLD AND DASHED IN ITS ENTIRETY.
4	REMOVE DOOR, FRAME, ALL ASSOCIATED HARDWARE AND WALL CONTROL BUTTONS FOR THE ELEVATOR IN THEIR ENTIRETY.
5	REMOVE WALL PAPER IN ITS ENTIRETY AND PREP WALL TO RECIEVE NEW PAINT FINISH.
6	REMOVE CHALK, MARKER, OR TACK BOARD IN ITS ENTIRETY.
7	REMOVE EXISTING JOINT SEALANT IN ITS ENTIRETY AND PREP OPENING TO RECIEVE NEW SEALANT.
8	REMOVE BUILT-IN SHELVING IN ITS ENTIRETY.
9	REMOVE STUD/GWB WALL IN ITS ENTIRETY.
10	REMOVE FRAME IN ITS ENTIRETY.
11	REMOVE PORTION OF STUD/GWB WALL FOR NEW DOOR AND/OR WINDOW OPENING.
12	REMOVE PORTION OF WALL AS REQUIRED FOR NEW WORK.
13	REMOVE EXISTING SHOWER IN ITS ENTIRETY. COORDINATE WITH PLUMBING DEMOLITION DRAWINGS.
14	REMOVE STUD/WOOD WALL IN ITS ENTIRETY.
15	REMOVE WINDOW, FRAME, SILL, TRIM AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY AS REQUIRED FOR NEW WORK.

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE		
09-01-2023		

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

DEMOLITION PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AD112

GENERAL DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.

B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.

D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.

E. THE INFORMATION SHOWN ON THE DEMOLITION PLANS, ARE NOT INTENDED TO REPRESENT THE TOTAL SCOPE OF THE DEMOLITION CONTRACT. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO ASSIST THE CONTRACTOR WITH ESTIMATION ONLY WITHOUT LIMITING DEFINITION OF SCOPE. THE INTENT OF DEMOLITION IS TO COMPLETELY REMOVE ALL ITEMS, EXCEPT AS NOTED OTHERWISE, WITHIN THE CONTRACT AREA TO THE ORIGINAL STRUCTURE AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION WORK SHOWN IN THESE CONTRACT DOCUMENTS.

F. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.

G. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.

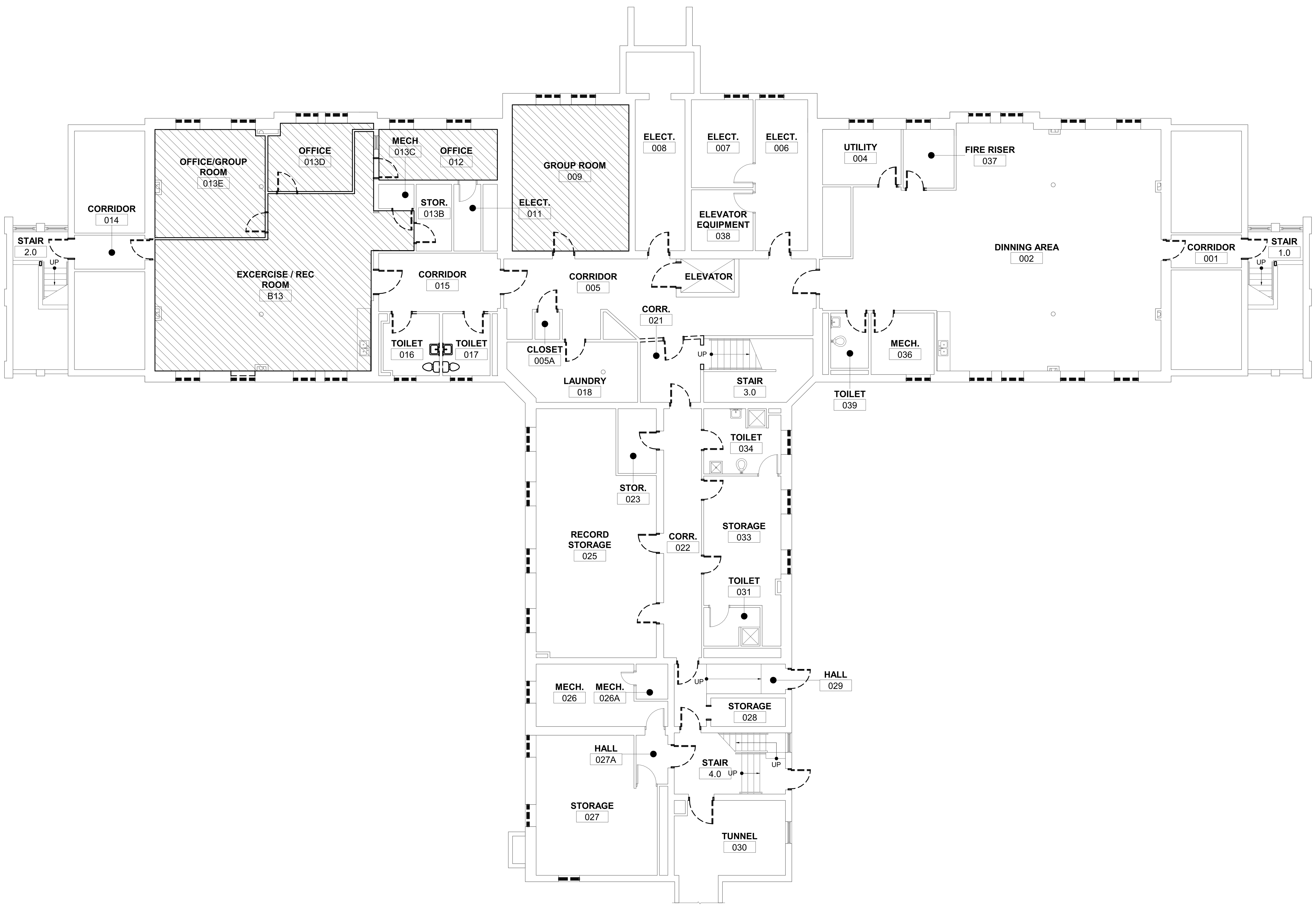
H. CONTRACTOR SHALL COMPLETELY REMOVE ALL THE ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

AREA OF CARPET AND BASE TO BE REMOVED

AREA OF RESILIENT FLOORING AND BASE TO BE REMOVED



1 AD120 FLOOR FINISH DEMOLITION PLAN - BASEMENT LEVEL
1/8" = 1'-0"
NORTH

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR FINISH DEMOLITION PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AD120

GENERAL DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.

B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.

D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.

E. THE INFORMATION SHOWN ON THE DEMOLITION PLANS, ARE NOT INTENDED TO REPRESENT THE TOTAL SCOPE OF THE DEMOLITION CONTRACT. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO ASSIST THE CONTRACTOR WITH ESTIMATION ONLY WITHOUT LIMITING DEFINITION OF SCOPE. THE INTENT OF DEMOLITION IS TO COMPLETELY REMOVE ALL ITEMS, EXCEPT AS NOTED OTHERWISE, WITHIN THE CONTRACT AREA TO THE ORIGINAL STRUCTURE AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION WORK SHOWN IN THESE CONTRACT DOCUMENTS.

F. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.

G. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.

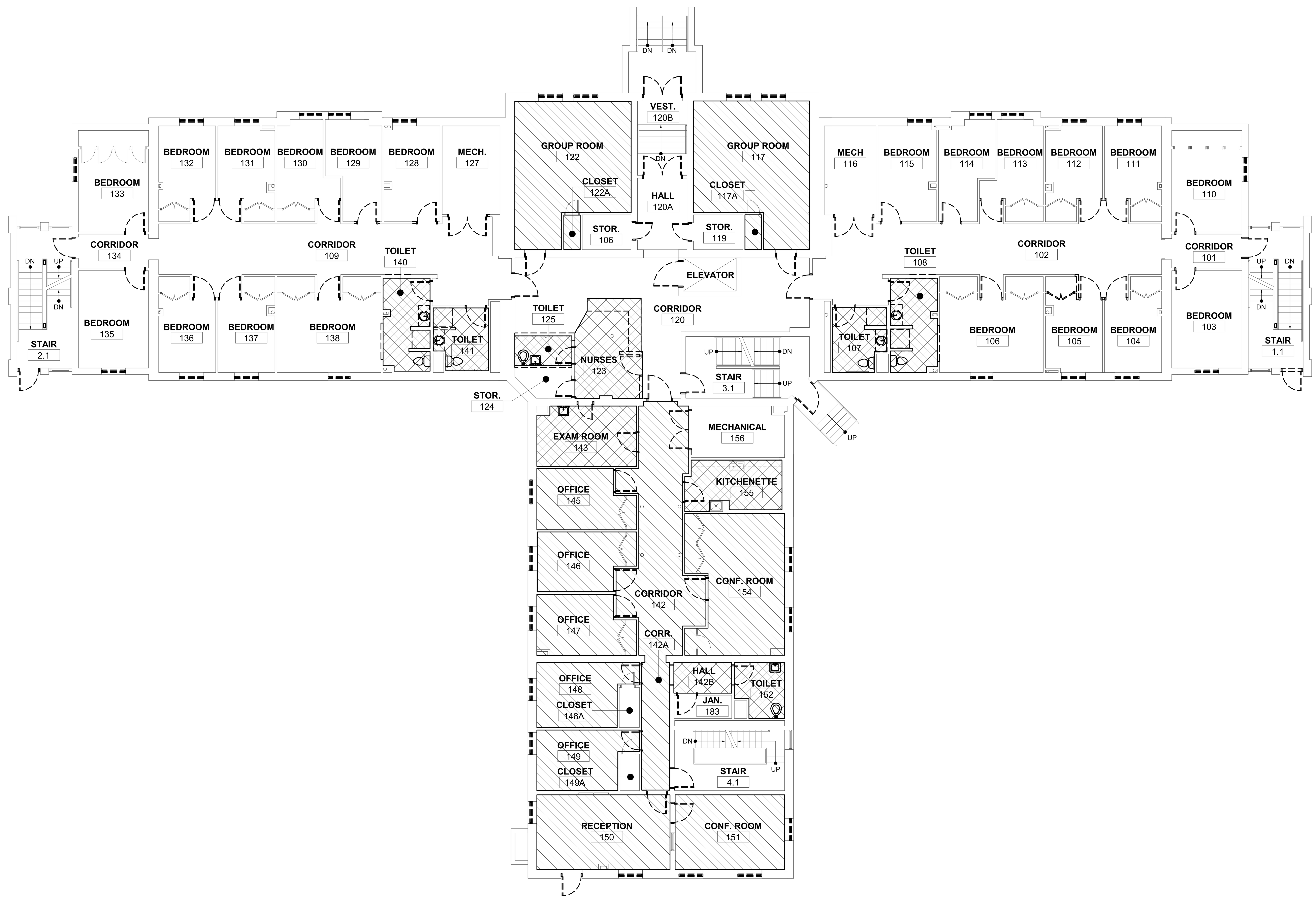
H. CONTRACTOR SHALL COMPLETELY REMOVE ALL THE ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

AREA OF CARPET AND BASE TO BE REMOVED

AREA OF RESILIENT FLOORING AND BASE TO BE REMOVED



1 AD121 FLOOR FINISH DEMOLITION PLAN - FIRST LEVEL
1/8" = 1'-0"
NORTH

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR FINISH DEMOLITION PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AD121

GENERAL DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.

B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.

D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.

E. THE INFORMATION SHOWN ON THE DEMOLITION PLANS, ARE NOT INTENDED TO REPRESENT THE TOTAL SCOPE OF THE DEMOLITION CONTRACT. THE INTENT OF THESE DEMOLITION DRAWINGS IS TO ASSIST THE CONTRACTOR WITH ESTIMATION ONLY WITHOUT LIMITING DEFINITION OF SCOPE. THE INTENT OF DEMOLITION IS TO COMPLETELY REMOVE ALL ITEMS, EXCEPT AS NOTED OTHERWISE, WITHIN THE CONTRACT AREA TO THE ORIGINAL STRUCTURE AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION WORK SHOWN IN THESE CONTRACT DOCUMENTS.

F. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.

G. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.

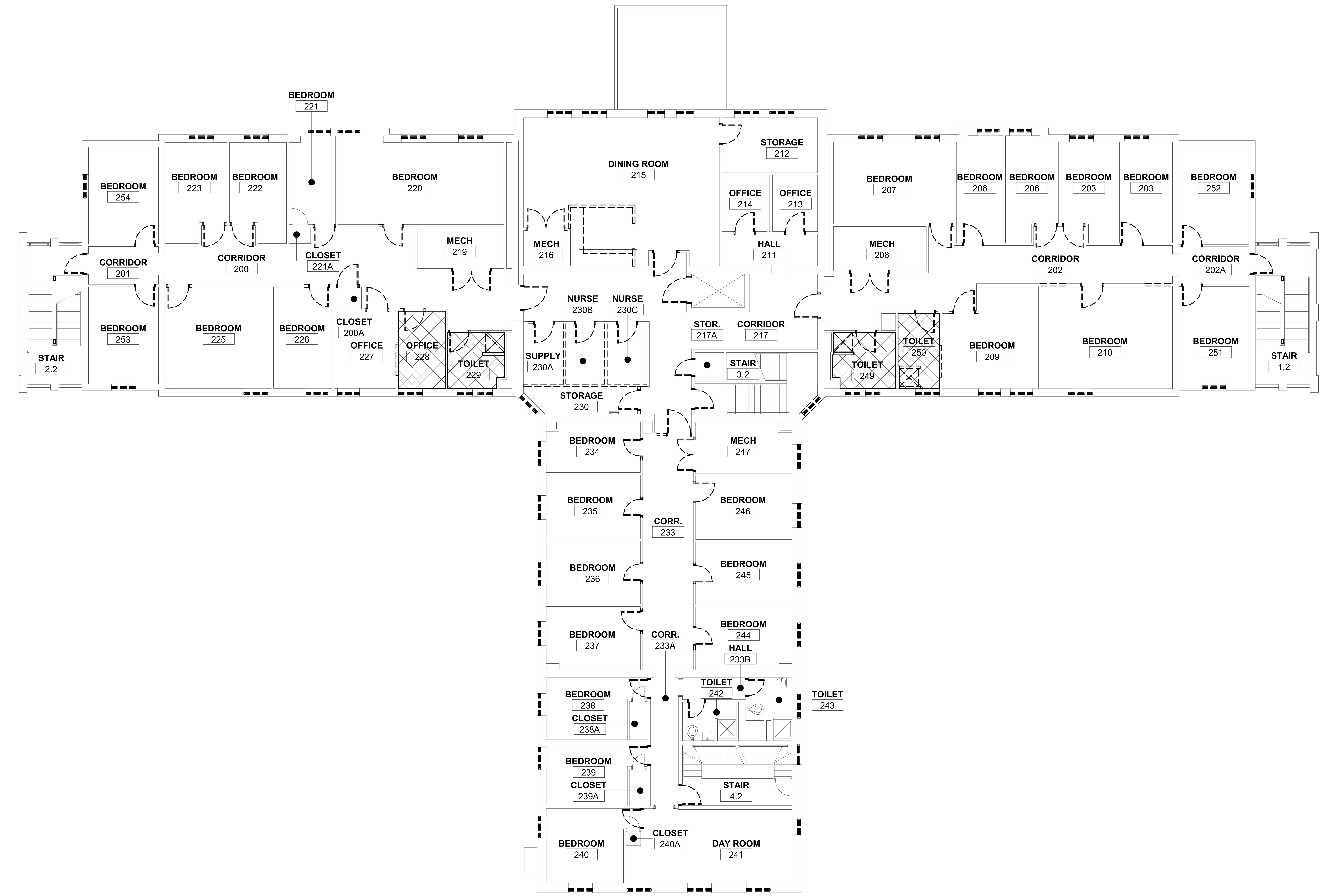
H. CONTRACTOR SHALL COMPLETELY REMOVE ALL THE ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

AREA OF CARPET AND BASE TO BE REMOVED

AREA OF RESILIENT FLOORING AND BASE TO BE REMOVED



1 AD122 FLOOR FINISH DEMOLITION PLAN - SECOND LEVEL

1/8" = 1'-0"

NORTH

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR FINISH DEMOLITION PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: AD122

GENERAL CEILING DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.

B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.

D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.

E. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR RELATED WORK. CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR WORK OF ALL SURFACES AFFECTED BY DEMOLITION WORK, REGARDLESS OF TRADE. COORDINATE REQUIRED PATCHWORK WITH ALL CONTRACTORS

F. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.

G. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.

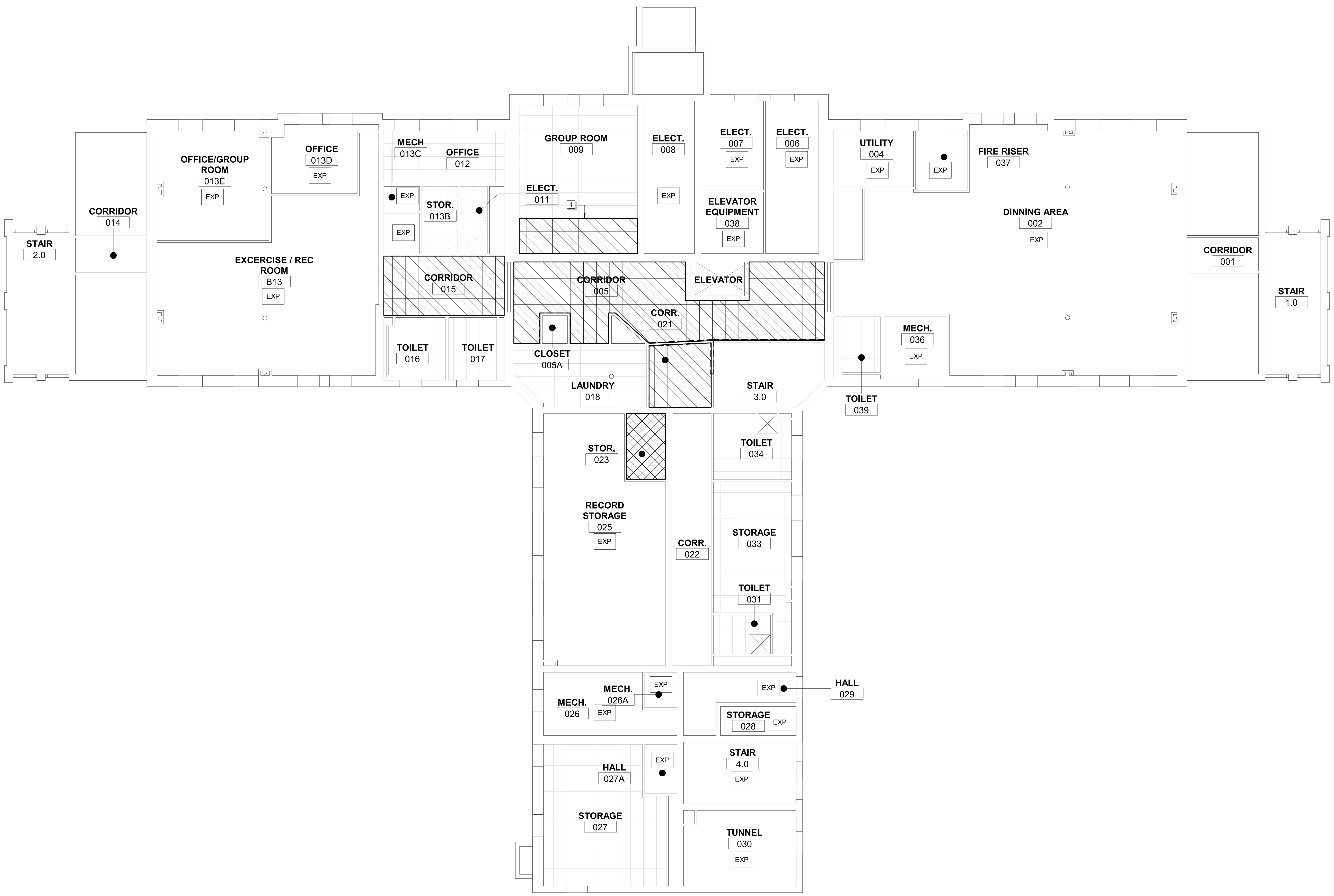
H. CONTRACTOR SHALL COMPLETELY REMOVE ALL ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

(bold dashed line)	ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.
EXP	EXPOSED TO STRUCTURE ABOVE
(hatch)	AREA OF ACOUSTICAL CEILING TILE, GRID AND SUPPORTS TO BE REMOVED IN THEIR ENTIRETY.
(crosshatch)	AREA OF GWB CEILING AND SUPPORTS TO BE REMOVED IN THEIR ENTIRETY.

KEYNOTES

#	DESCRIPTION
1	SELECTIVELY REMOVE PORTIONS OF EXISTING CEILING AS REQUIRED FOR NEW WORK, COORDINATE WITH MECHANICAL PLANS.



1 AD130 REFLECTED CEILING DEMOLITION PLAN - BASEMENT LEVEL

1/8" = 1'-0"

NORTH

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

REFLECTED CEILING DEMOLITION PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: AD130

GENERAL CEILING DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.
B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.
D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.
E. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR RELATED WORK. CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR WORK OF ALL SURFACES AFFECTED BY DEMOLITION WORK, REGARDLESS OF TRADE. COORDINATE REQUIRED PATCHWORK WITH ALL CONTRACTORS
F. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.
G. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.
H. CONTRACTOR SHALL COMPLETELY REMOVE ALL ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

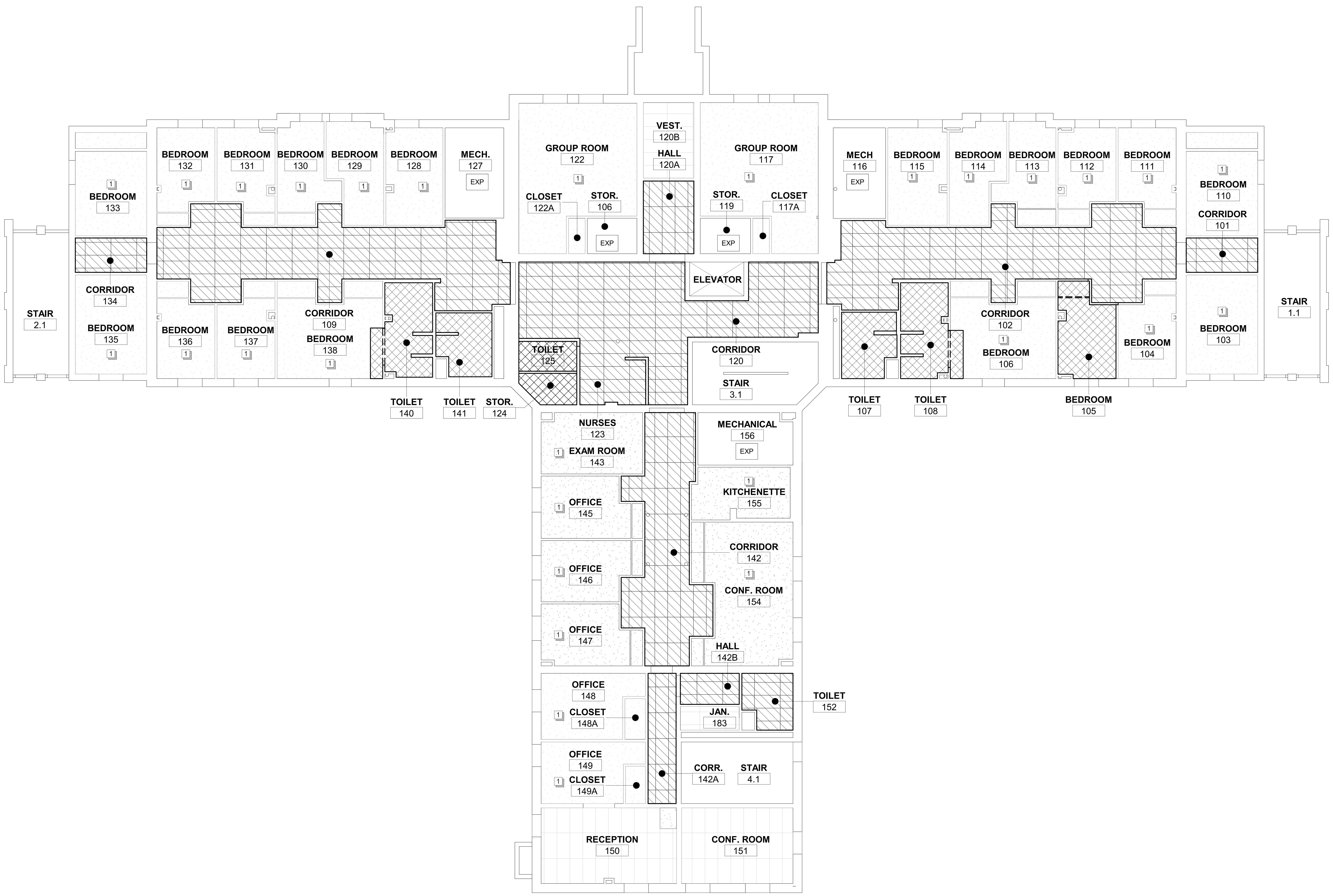
EXP — EXPOSED TO STRUCTURE ABOVE

AREA OF ACOUSTICAL CEILING TILE, GRID AND SUPPORTS TO BE REMOVED IN THEIR ENTIRETY.

AREA OF GWB CEILING AND SUPPORTS TO BE REMOVED IN THEIR ENTIRETY.

KEYNOTES #

#	DESCRIPTION
1	CONTRACTOR TO INCLUDE PRICING FOR THE REMOVAL AND PATCHING OF APPROXIMATELY 15 SF OF GWB FOR MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS.



1
AD131
NORTH
REFLECTED CEILING DEMOLITION PLAN - FIRST LEVEL
1/8" = 1'-0"

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

REFLECTED CEILING DEMOLITION PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AD131

GENERAL CEILING DEMOLITION NOTES

A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.

B. ALL DEMOLITION SHALL BE DONE IN A WORKMAN LIKE MANNER. ADJACENT SURFACES SHOWN TO REMAIN SHALL NOT BE DAMAGED. EXISTING CONSTRUCTION AND FINISH DAMAGED BY DEMOLITION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C. CONTRACTOR SHALL SAVE AND PROTECT ALL ITEMS NOT SHOWN FOR DEMOLITION. CONTRACTOR IS RESPONSIBLE TO REPLACE ALL ITEMS SHOWN TO REMAIN THAT ARE DAMAGED OR REMOVED.

D. ITEMS SHOWN WITH SOLID LINES INDICATE EXISTING TO REMAIN. ITEMS SHOWN BOLD AND DASHED INDICATE ITEMS TO BE REMOVED. VERIFY THE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY ITEM NOT SPECIFICALLY DASHED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.

E. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR RELATED WORK. CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR WORK OF ALL SURFACES AFFECTED BY DEMOLITION WORK, REGARDLESS OF TRADE. COORDINATE REQUIRED PATCHWORK WITH ALL CONTRACTORS

F. CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE, SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.

G. REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.

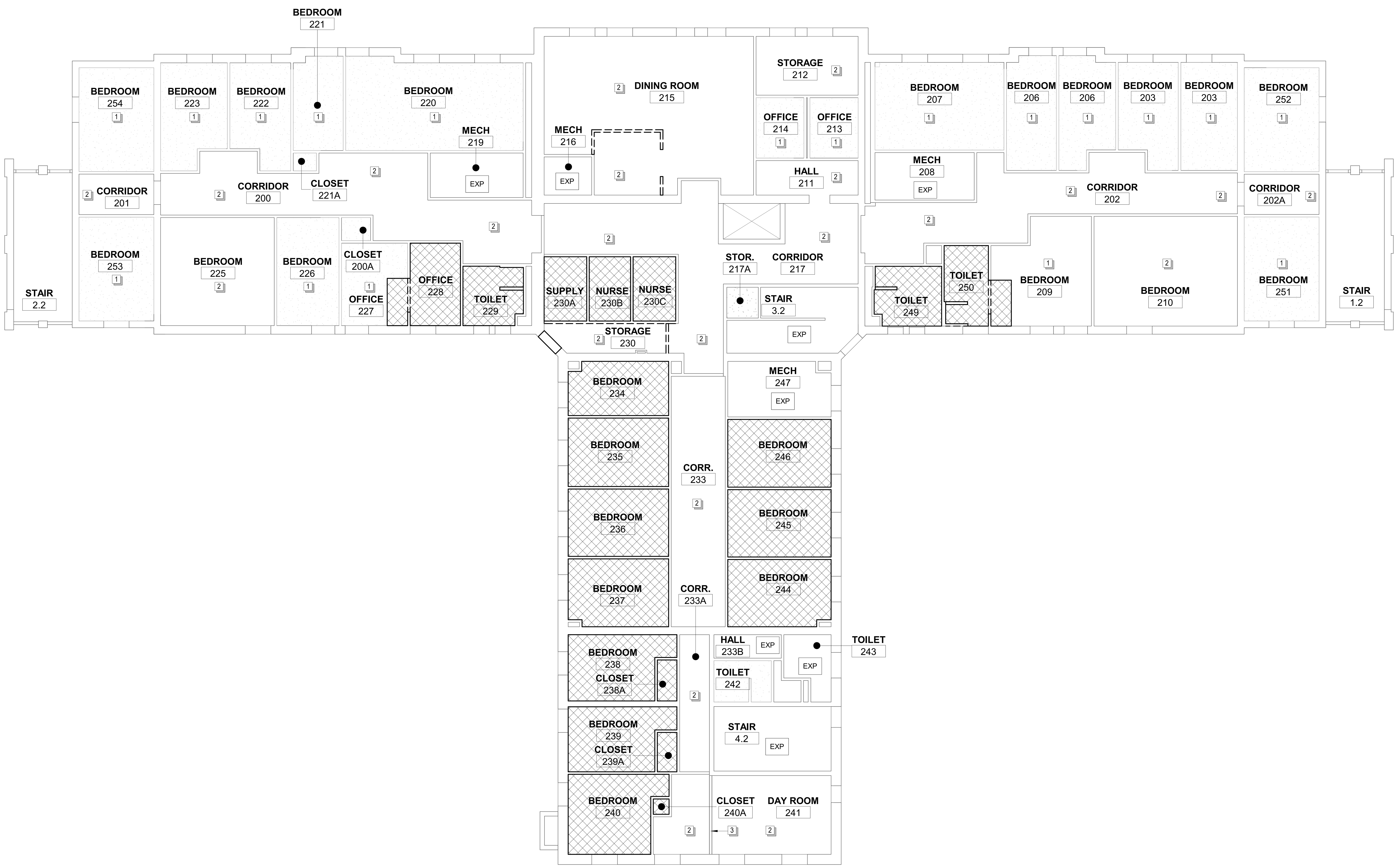
H. CONTRACTOR SHALL COMPLETELY REMOVE ALL ITEMS INDICATED SPECIFICALLY ON THE DRAWINGS TO BE REMOVED ARE ONLY TO INDICATE IN GENERAL TO THE CONTRACTOR THE AMOUNT OF DEMOLITION WORK INVOLVED. A SITE INVESTIGATION BY THE CONTRACTOR SHOULD BE PERFORMED TO AID IN DETERMINING THE COMPLETE EXTENT OF WORK INVOLVED.

DEMOLITION LEGEND

(bold dashed line)	ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.
EXP	EXPOSED TO STRUCTURE ABOVE
(hatch)	AREA OF ACOUSTICAL CEILING TILE, GRID AND SUPPORTS TO BE REMOVED IN THEIR ENTIRETY.
(cross-hatch)	AREA OF GWB CEILING AND SUPPORTS TO BE REMOVED IN THEIR ENTIRETY.

KEYNOTES

#	DESCRIPTION
1	CONTRACTOR TO INCLUDE PRICING FOR THE REMOVAL AND PATCHING OF APPROXIMATELY 15 SF OF GWB FOR MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS.
2	REMOVE EXISTING CEILING EDGE TRIM AND ALL SUPPORT WIRING IN ITS ENTIETY.
3	EXISTING BULKHEAD TO REMAIN.



1 AD132 REFLECTED CEILING DEMOLITION PLAN -SECOND LEVEL
1/8" = 1'-0"
NORTH

DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
MJM	MJM	MJM	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

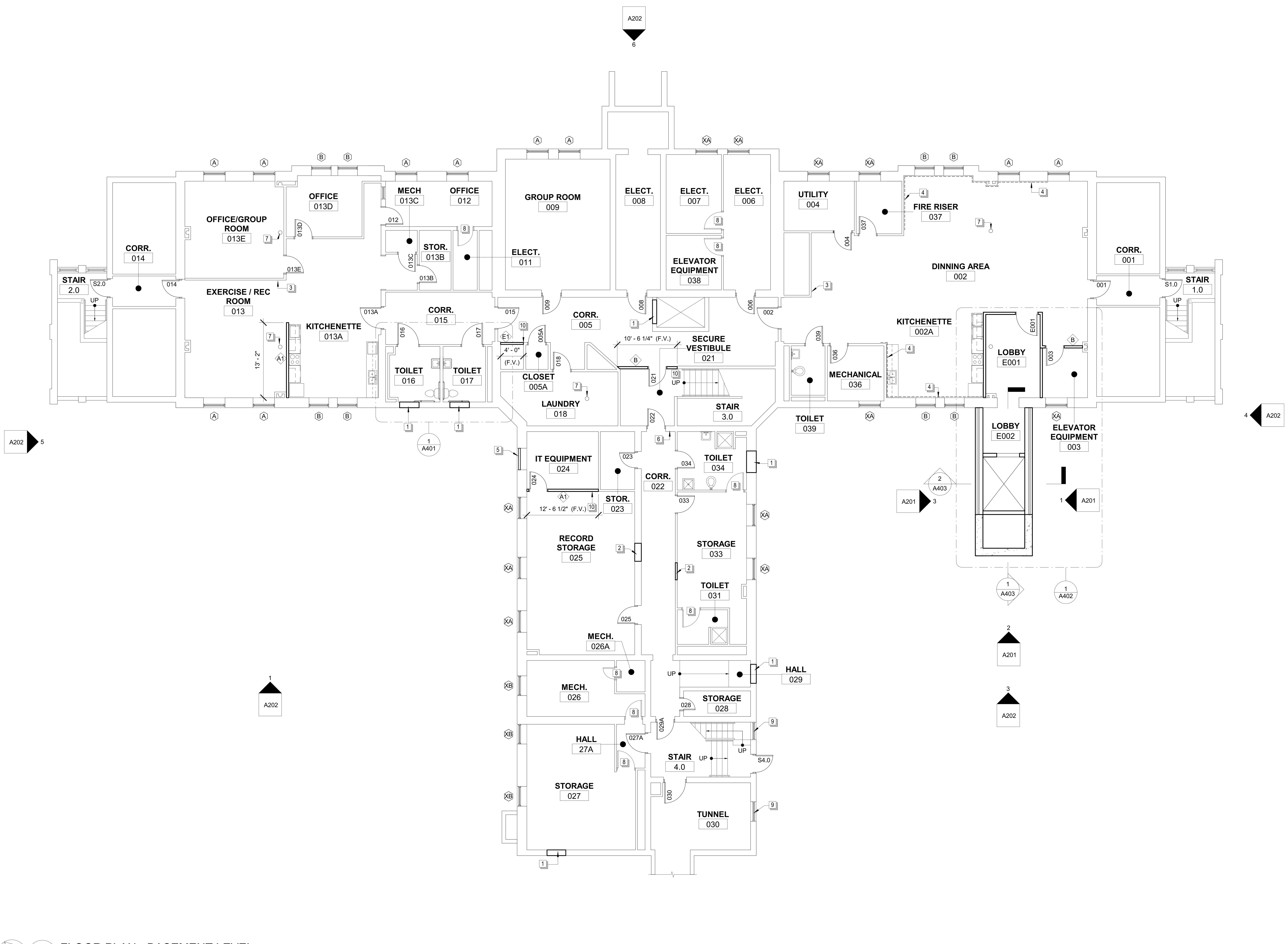
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

REFLECTED CEILING DEMOLITION PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AD132



1 A110 FLOOR PLAN - BASEMENT LEVEL
1/8" = 1'-0"

NORTH

FLOOR PLAN GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING.
2. REFER TO SHEET G001 FOR SYMBOLS AND ABBREVIATIONS. SEE WALL TYPE NOTES FOR SPECIFIC WALL TYPE INFORMATION.
3. INTERIOR PARTITIONS ARE DIMENSIONED TO FACE OF GYPSUM WALL BOARD, UNLESS NOTED OTHERWISE.
4. PROVIDE BLOCKING AS NECESSARY FOR OWNER'S FURNISHINGS OR EQUIPMENT AT LOCATIONS AS DIRECTED.
5. MAINTAIN WALL RATINGS AS REQUIRED AT ALL EXISTING FIRE OR SMOKE RATED WALLS.
6. PATCH AND REPAIR WALLS AS REQUIRED .
7. AT NEW DOOR OPENINGS PATCH AND REPAIR GYPSUM WALL BOARD AS REQUIRED FOR PROPER INSTALLATION.
8. THE CORRIDOR WALL NEEDS TO EXTEND UP TO THE STRUCTURAL DECK ABOVE TO ACHIEVE A ONE-HOUR FIRE RATING, COORDINATE LOCATIONS OF RATED WALLS WITH THE CODE REVIEW PLANS, THE REFLECTED CEILING PLANS, AND THE TOP OF CORRIDOR WALL DETAIL ON SHEET G001.
9. CONTRACTOR TO ADJUST EXISTING DOOR / FRAME OPENINGS AS REQUIRED, AS NEW DOOR / FRAME SIZES MAY DIFFER FROM EXISTING DOOR / FRAME SIZES.

KEYNOTES #

#	DESCRIPTION
1	INFILL EXISTING OPENING, MATCH EXISTING WALL CONSTRUCTION, THICKNESS AND FINISHES.
2	INFILL EXISTING OPENING WITH STUDS/GWB AND MATCH EXISTING WALL THICKNEES. PREP WALL AND PAINT (P-1).
3	FIX DAMAGE TO DRYWALL AND PREP TO PAINT THIS WALL (P-1).
4	EXISTING FRP TO REMAIN, PREP TO RECIEVE NEW PAINT FINISH.
5	INFILL EXISTING OPENING WITH 8" x 8" x 4" GLASS BLOCK.
6	FIX WATER DAMAGE TO PLASTER/GWB WALL, PREP WALL TO RECIEVE NEW PAINT FINISH.
7	PREP AND PAINT (P-1) EXISTING EXPOSED COLUMN TO REMAIN.
8	EXISTING DOOR AND FRAME TO REMAIN.
9	EXISTING GLASS BLOCK TO REMAIN.
10	ALIGN WALL WITH EXISTING CORNER AND/OR FACE OF EXISTING WALL.

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

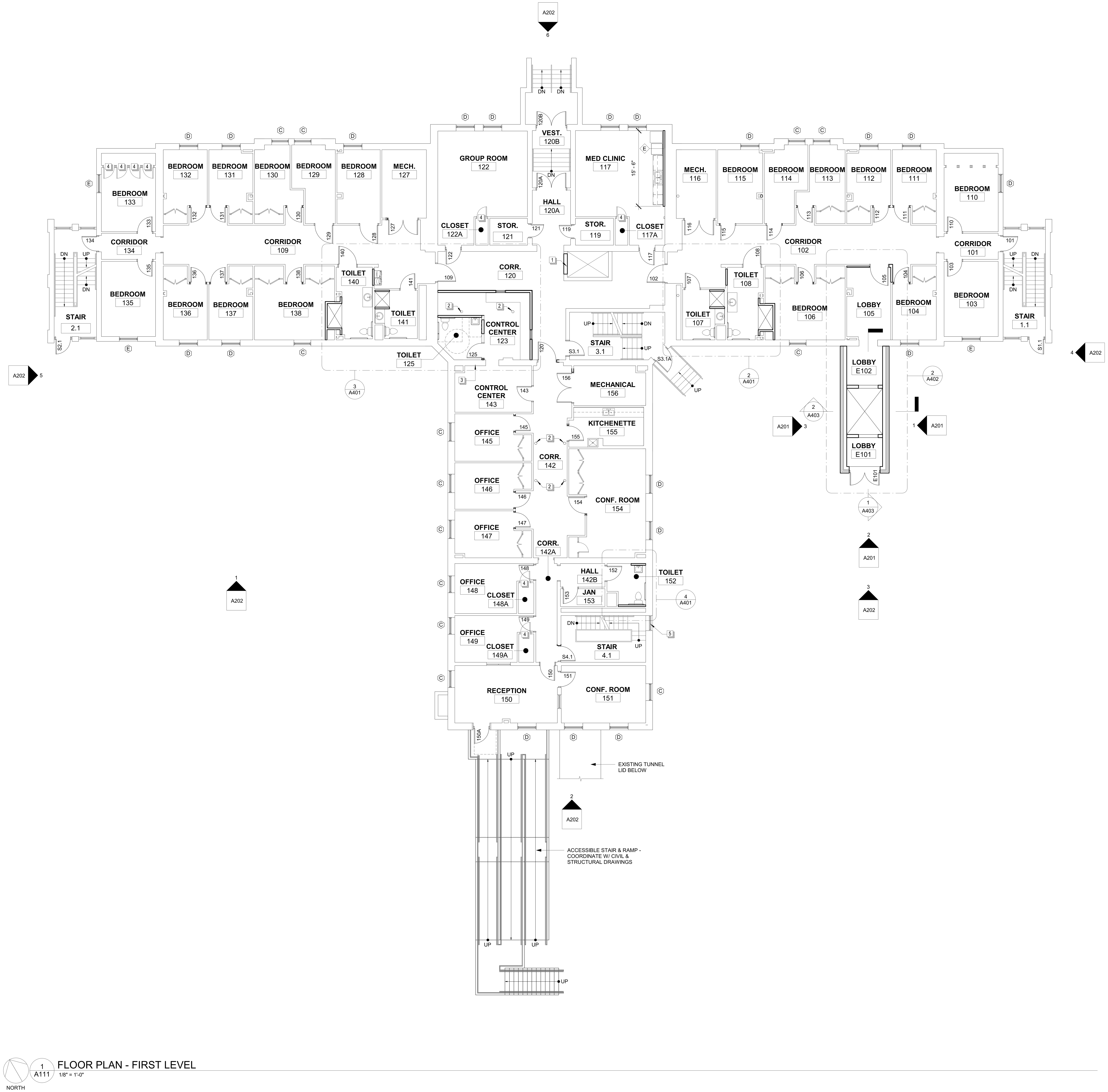
DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A110



1 A111 FLOOR PLAN - FIRST LEVEL
1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING.
2. REFER TO SHEET G001 FOR SYMBOLS AND ABBREVIATIONS. SEE WALL TYPE NOTES FOR SPECIFIC WALL TYPE INFORMATION.
3. INTERIOR PARTITIONS ARE DIMENSIONED TO FACE OF GYPSUM WALL BOARD, UNLESS NOTED OTHERWISE.
4. PROVIDE BLOCKING AS NECESSARY FOR OWNER'S FURNISHINGS OR EQUIPMENT AT LOCATIONS AS DIRECTED.
5. MAINTAIN WALL RATINGS AS REQUIRED AT ALL EXISTING FIRE OR SMOKE RATED WALLS.
6. PATCH AND REPAIR WALLS AS REQUIRED .
7. AT NEW DOOR OPENINGS PATCH AND REPAIR GYPSUM WALL BOARD AS REQUIRED FOR PROPER INSTALLATION.
8. THE CORRIDOR WALL NEEDS TO EXTEND UP TO THE STRUCTURAL DECK ABOVE TO ACHIEVE A ONE-HOUR FIRE RATING, COORDINATE LOCATIONS OF RATED WALLS WITH THE CODE REVIEW PLANS, THE REFLECTED CEILING PLANS, AND THE TOP OF CORRIDOR WALL DETAIL ON SHEET G001.
9. CONTRACTOR TO ADJUST EXISTING DOOR / FRAME OPENINGS AS REQUIRED, AS NEW DOOR / FRAME SIZES MAY DIFFER FROM EXISTING DOOR / FRAME SIZES.

KEYNOTES #

#	DESCRIPTION
1	INFILL EXISTING OPENING, MATCH EXISTING WALL CONSTRUCTION, THICKNESS AND FINISHES.
2	PREP AND PAINT (P-1) EXISTING EXPOSED COLUMN TO REMAIN.
3	PATCH WALL WITH GWB, WHERE PLUMBING FIXTURE WAS REMOVED. PREP AND PAINT WALL (P-1)
4	EXISTING DOOR AND FRAME TO REMAIN.
5	EXISTING GLASS BLOCK TO REMAIN.

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

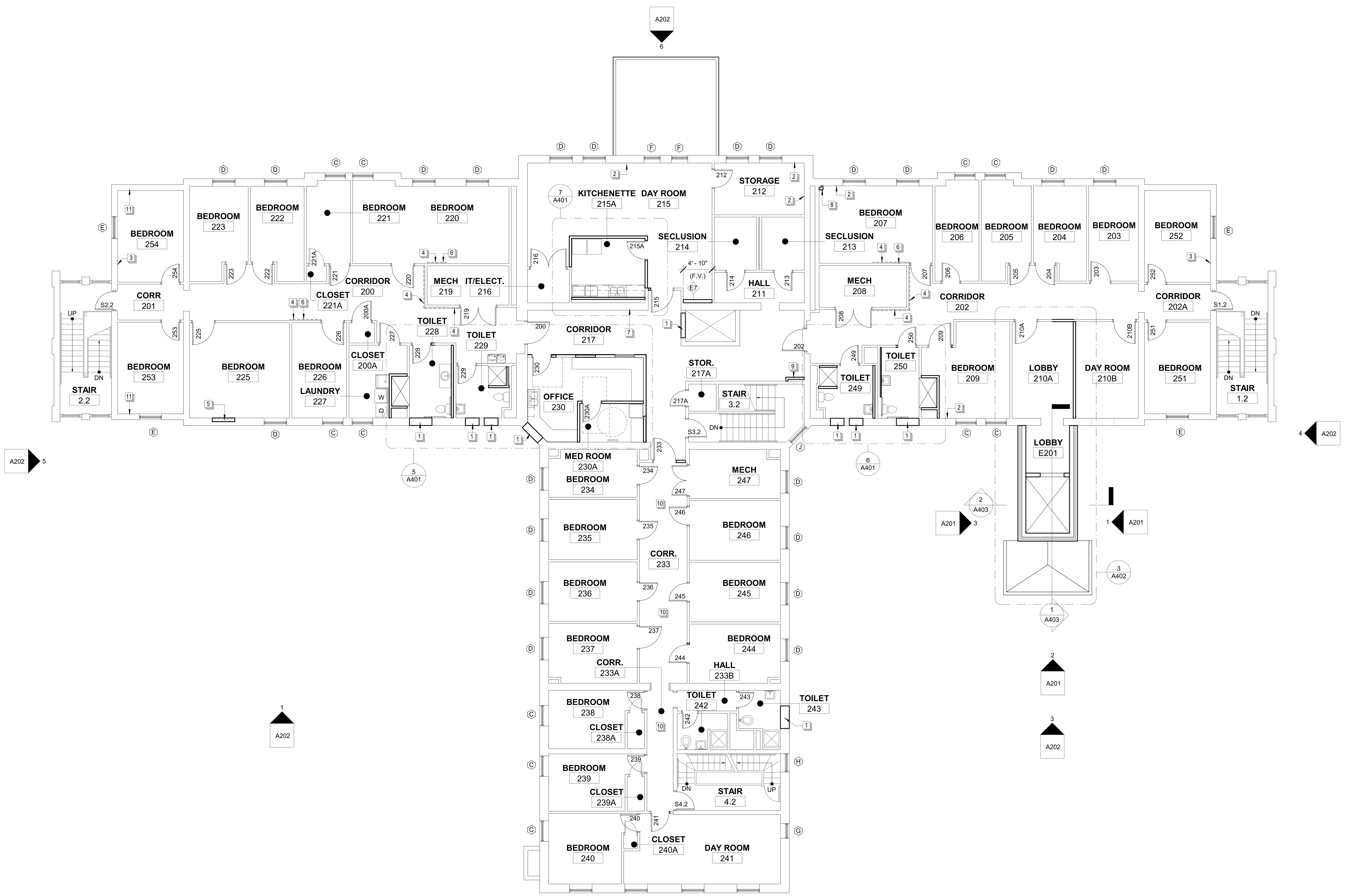
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A111

FLOOR PLAN GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING.
2. REFER TO SHEET G001 FOR SYMBOLS AND ABBREVIATIONS. SEE WALL TYPE NOTES FOR SPECIFIC WALL TYPE INFORMATION.
3. INTERIOR PARTITIONS ARE DIMENSIONED TO FACE OF GYPSUM WALL BOARD, UNLESS NOTED OTHERWISE.
4. PROVIDE BLOCKING AS NECESSARY FOR OWNER'S FURNISHINGS OR EQUIPMENT AT LOCATIONS AS DIRECTED.
5. MAINTAIN WALL RATINGS AS REQUIRED AT ALL EXISTING FIRE OR SMOKE RATED WALLS.
6. PATCH AND REPAIR WALLS AS REQUIRED .
7. AT NEW DOOR OPENINGS PATCH AND REPAIR GYPSUM WALL BOARD AS REQUIRED FOR PROPER INSTALLATION.
8. THE CORRIDOR WALL NEEDS TO EXTEND UP TO THE STRUCTURAL DECK ABOVE TO ACHIEVE A ONE-HOUR FIRE RATING, COORDINATE LOCATIONS OF RATED WALLS WITH THE CODE REVIEW PLANS, THE REFLECTED CEILING PLANS, AND THE TOP OF CORRIDOR WALL DETAIL ON SHEET G001.
9. CONTRACTOR TO ADJUST EXISTING DOOR / FRAME OPENINGS AS REQUIRED, AS NEW DOOR / FRAME SIZES MAY DIFFER FROM EXISTING DOOR / FRAME SIZES.

KEYNOTES

#	DESCRIPTION
1	INFILL EXISTING OPENING, MATCH EXISTING WALL CONSTRUCTION, THICKNESS AND FINISHES.
2	FIX WATER DAMAGE TO PLASTER/GWB WALL, PREP WALL TO RECIEVE NEW PAINT FINISH.
3	FIX WATER DAMAGE TO MASONRY WALL, PREP WALL TO RECIEVE NEW PAINT FINISH.
4	FINISH EXISTING DRYWALL, PREP TO RECIEVE NEW PAINT FINISH.
5	INFILL OPENING WHERE BUILT-IN SHELVING WAS REMOVED WITH STUDS/GWB AND PREP TO PAINT.
6	INFILL AREA OF MISSING WOOD BASE WITH NEW WOOD BASE TO MATCH EXISTING PROFILE. PREP AND PAINT NEW BASE.
7	INFILL OPENING WHERE ELECTRICAL PANEL WAS REMOVED WITH STUDS/GWB AND PREP TO PAINT.
8	PROVIDE 8" (W) X 8" (D) CHASE WITH CLEANOUT AROUND EXISTING PIPE. CHASE TO BE 5/8" TYPE-X GWB OVER 3-5/8" METAL STUDS AND RUN FROM FLOOR TO CEILING. PREP CHASE AND PAINT (P-1). COORDINATE WITH PLUMBING DRAWINGS.
9	PROVIDE 37" (W) X 8" (D) CHASE WITH CLEANOUT AROUND EXISTING PIPE. CHASE TO BE 5/8" TYPE-X GWB OVER 3-5/8" METAL STUDS AND RUN FROM FLOOR TO CEILING. PREP CHASE AND PAINT (P-1). COORDINATE WITH PLUMBING DRAWINGS.
10	PROVIDE STRUCTURAL LINTEL FOR EXISTING DUCTWORK OPENING IN EXISTING AND/OR NEW WALLS, CONTRACTOR TO VERIFY SIZE OF EXISTING DUCTWORK. COORDINATE WITH STRUCTURAL SHEET S000 FOR GENERAL LINTEL REQUIREMENTS.
11	PROVIDE JOINT SEALANT TO INFILL GAP IN EXISTING WALL.



1 A112 FLOOR PLAN - SECOND LEVEL
1/8" = 1'-0"
NORTH

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A112

GENERAL NOTES - FINISH PLAN:

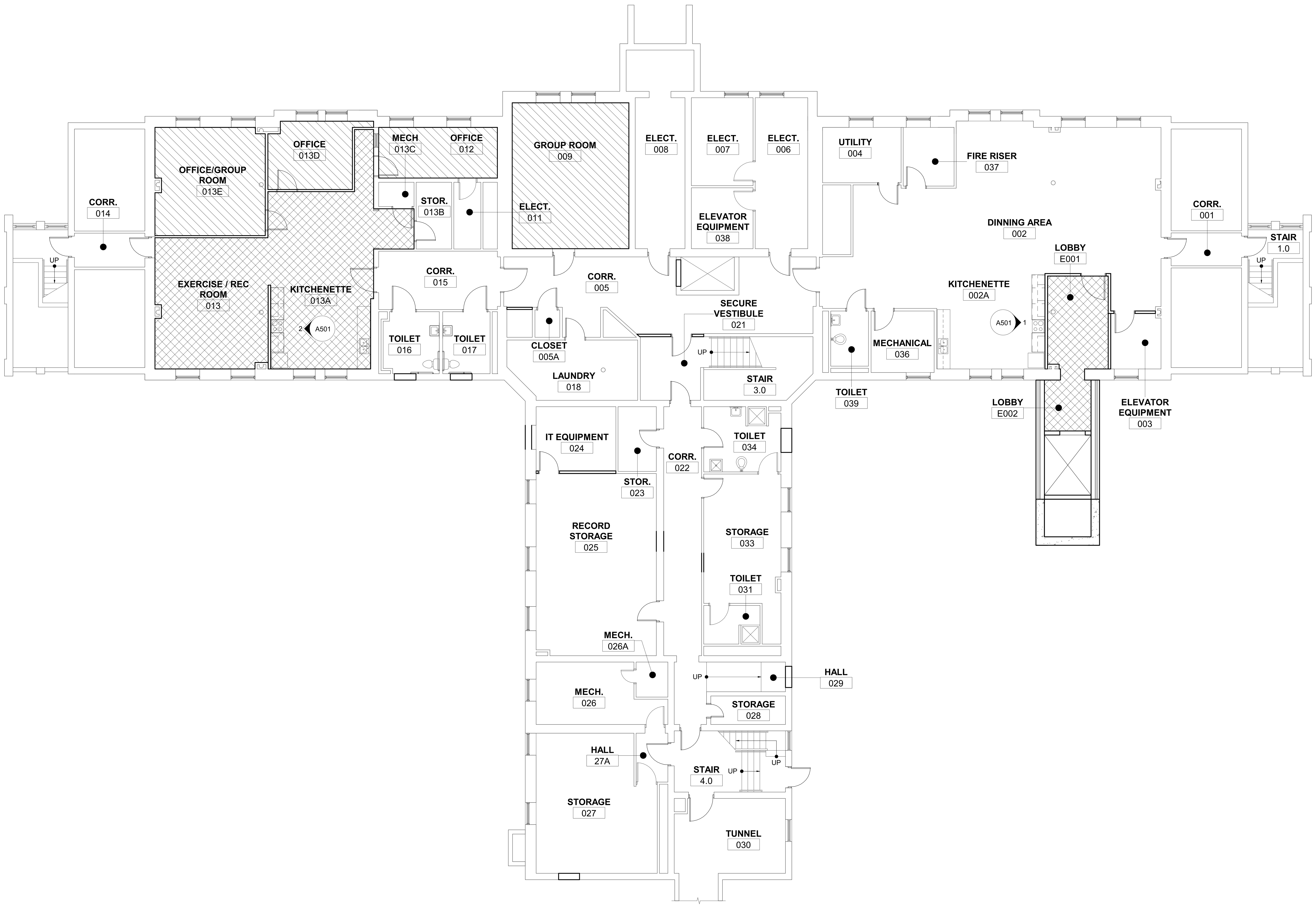
A. REFERENCE INTERIOR ELEVATIONS FOR MATERIAL FINISH LOCATIONS AND TRANSITIONS
B. REFERENCE REFLECTED CEILING PLAN FOR CEILING MATERIAL ANG HEIGHTS.
C. PAINT ALL CEILING SOFFITS ON ALL EXPOSES FACES, U.N.O.
D. ALL EXPOSED STRUCTURE AND COLUMNS TO BE PAINTED P-6.
E. ALL INTERIOR HOLLOW METAL FRAMES AND DOORS (EXISTING AND NEW) TO BE PAINTED.
F. WINDOW SILLS TO BE PLASTIC LAMINATE WITH EASED SQUARE EDGE. PROVIDE 1" VERTICAL FACE AND 1-1/2" SIDE EXTENSIONS. PROVIDE SEALANT AT ALL EDGEDS OF SSSM SILL. PROVIDE AT NEW WINDOS ONLY U.N.O.
G. WHERE NEW AND EXISTING FINISHES ABUT ONE ANOTHER AND THEY ARE THE SAME MATERIAL, PATCH / FINISH SURFACES SO THEY ARE SEAMLESS IN APPERANCE. PAINT WALL SURFACE FROM FLOOR TO CEILING AND CORNER TO CORNER.
H. SCHEDULE FLOOR FINISHES ARE INTENDED TO RUN UP TO TE FIXED CASEWORK TOE-KICKS, INSIDE ALCOVES, ETC.
I. PREP FLOORS TO RECEIVE NEW FINISHES WITH THE DEMOLITION PLANS AS THE SUBSTRATES VARY.
J. PATCH PORTION OF FLOOR SMOOTH WITH ADJACENT FLOOR FINISH FOLLOWING DEMOLITION OF WALLS. COORDINATE WITH SHEET AD111.

FINISH LEGEND:

AREAS TO RECIEVE CPT-1

AREAS TO RECIEVE VCT-1

AREAS TO RECIEVE WCPT-1



1 A120 INTERIOR FINISH PLAN - BASEMENT LEVEL
1/8" = 1'-0"
NORTH

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

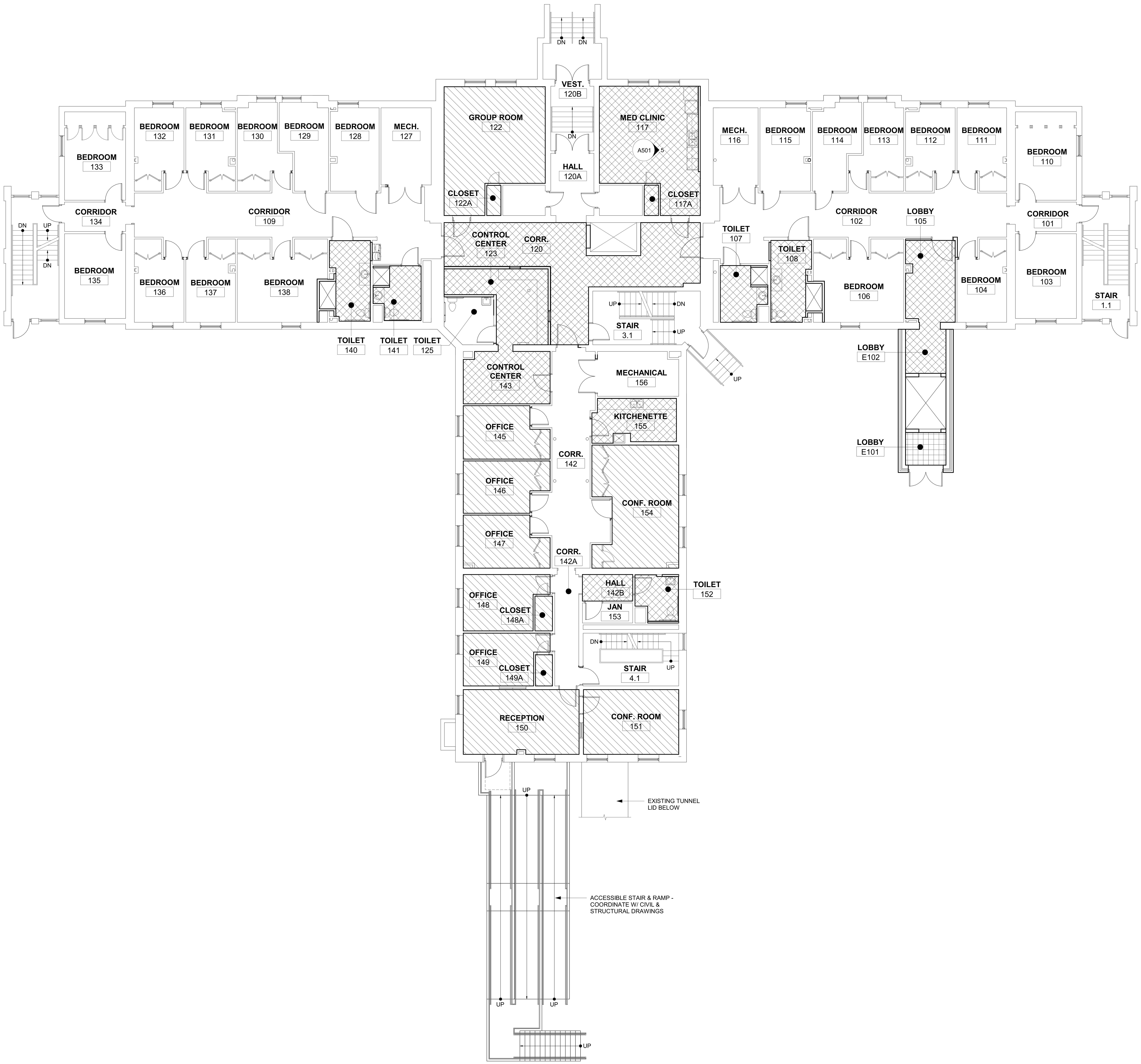
DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

INTERIOR FINISH PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A120



1
A121
NORTH

INTERIOR FINISH PLAN - FIRST LEVEL

1/8" = 1'-0"

GENERAL NOTES - FINISH PLAN:

A. REFERENCE INTERIOR ELEVATIONS FOR MATERIAL FINISH LOCATIONS AND TRANSITIONS
B. REFERENCE REFLECTED CEILING PLAN FOR CEILING MATERIAL ANG HEIGHTS.
C. PAINT ALL CEILING SOFFITS ON ALL EXPOSES FACES, U.N.O.
D. ALL EXPOSED STRUCTURE AND COLUMNS TO BE PAINTED P-6.
E. ALL INTERIOR HOLLOW METAL FRAMES AND DOORS (EXISTING AND NEW) TO BE PAINTED.
F. WINDOW SILLS TO BE PLASTIC LAMINATE WITH EASED SQUARE EDGE. PROVIDE 1" VERTICAL FACE AND 1-1/2" SIDE EXTENSIONS. PROVIDE SEALANT AT ALL EDGEDS OF SSSM SILL. PROVIDE AT NEW WINDOS ONLY U.N.O.
G. WHERE NEW AND EXISTING FINISHES ABUT ONE ANOTHER AND THEY ARE THE SAME MATERIAL, PATCH / FINISH SURFACES SO THEY ARE SEAMLESS IN APPERANCE. PAINT WALL SURFACE FROM FLOOR TO CEILING AND CORNER TO CORNER.
H. SCHEDULE FLOOR FINISHES ARE INTENDED TO RUN UP TO TE FIXED CASEWORK TOE-KICKS, INSIDE ALCOVES, ETC.
I. PREP FLOORS TO RECEIVE NEW FINISHES WITH THE DEMOLITION PLANS AS THE SUBSTRATES VARY.
J. PATCH PORTION OF FLOOR SMOOTH WITH ADJACENT FLOOR FINISH FOLLOWING DEMOLITION OF WALLS. COORDINATE WITH SHEET AD111.

FINISH LEGEND:

AREAS TO RECIEVE CPT-1

AREAS TO RECIEVE VCT-1

AREAS TO RECIEVE WCPT-1

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

INTERIOR FINISH PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPEINC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: A121

GENERAL NOTES - FINISH PLAN:

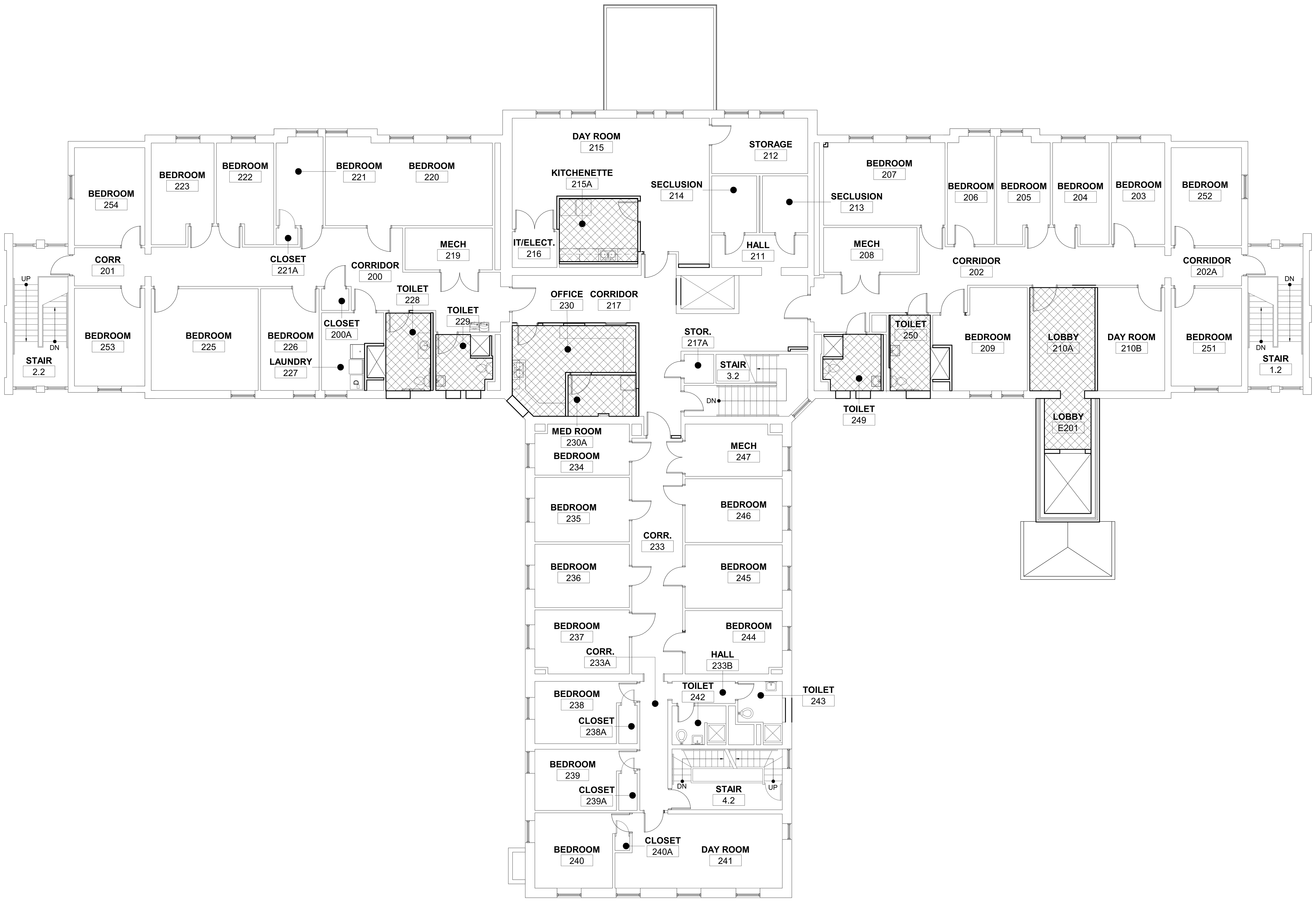
A. REFERENCE INTERIOR ELEVATIONS FOR MATERIAL FINISH LOCATIONS AND TRANSITIONS
B. REFERENCE REFLECTED CEILING PLAN FOR CEILING MATERIAL ANG HEIGHTS.
C. PAINT ALL CEILING SOFFITS ON ALL EXPOSES FACES, U.N.O.
D. ALL EXPOSED STRUCTURE AND COLUMNS TO BE PAINTED P-6.
E. ALL INTERIOR HOLLOW METAL FRAMES AND DOORS (EXISTING AND NEW) TO BE PAINTED.
F. WINDOW SILLS TO BE PLASTIC LAMINATE WITH EASED SQUARE EDGE. PROVIDE 1" VERTICAL FACE AND 1-1/2" SIDE EXTENSIONS. PROVIDE SEALANT AT ALL EDGEDS OF SSSM SILL. PROVIDE AT NEW WINDOS ONLY U.N.O.
G. WHERE NEW AND EXISTING FINISHES ABUT ONE ANOTHER AND THEY ARE THE SAME MATERIAL, PATCH / FINISH SURFACES SO THEY ARE SEAMLESS IN APPERANCE. PAINT WALL SURFACE FROM FLOOR TO CEILING AND CORNER TO CORNER.
H. SCHEDULE FLOOR FINISHES ARE INTENDED TO RUN UP TO TE FIXED CASEWORK TOE-KICKS, INSIDE ALCOVES, ETC.
I. PREP FLOORS TO RECEIVE NEW FINISHES WITH THE DEMOLITION PLANS AS THE SUBSTRATES VARY.
J. PATCH PORTION OF FLOOR SMOOTH WITH ADJACENT FLOOR FINISH FOLLOWING DEMOLITION OF WALLS. COORDINATE WITH SHEET AD111.

FINISH LEGEND:

AREAS TO RECIEVE CPT-1

AREAS TO RECIEVE VCT-1

AREAS TO RECIEVE WCPT-1



1
A122
INTERIOR FINISH PLAN - SECOND LEVEL
1/8" = 1'-0"
NORTH

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

INTERIOR FINISH PLAN - SECOND LEVEL

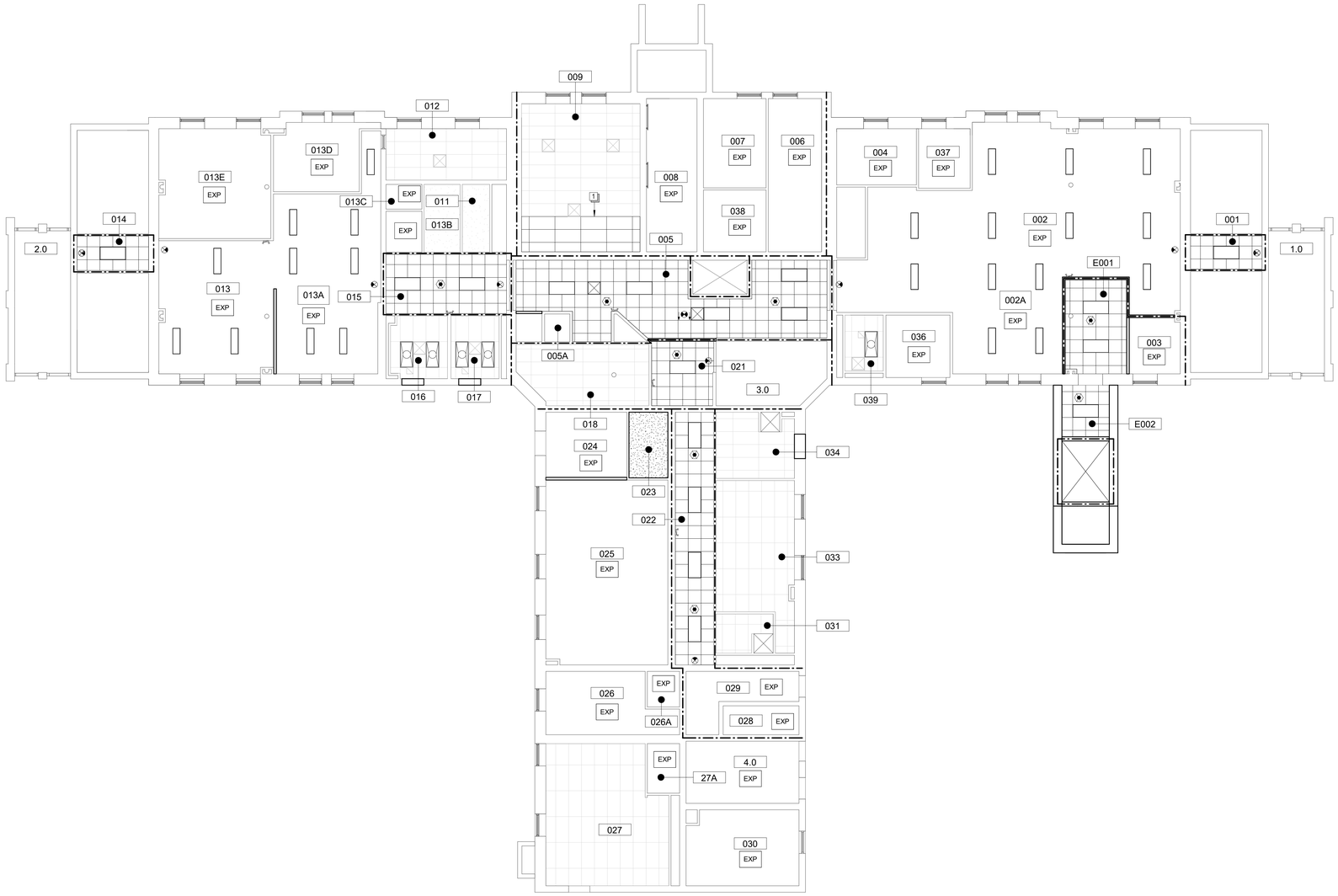
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: A122



NORTH

1 / A130 REFLECTED CEILING PLAN - BASEMENT LEVEL
1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

A. WHERE ANY EXISTING CEILING TILES THAT WERE TO REMAIN ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE REMOVED & REPLACED WITH NEW TILES AT THE CONTRACTOR'S EXPENSE.
B. PROVIDE DIAGONAL BRACING OR SUPPORT WIRING TO STRUCTURE AS REQUIRED.
C. PROVIDE GYPSUM WALL BOARD & METAL STUD BULKHEADS WHERE CEILINGS OF DIFFERENT HEIGHTS ABUTT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIALS UNLESS SPECIFICALLY DETAILED.
D. REFER TO MECHANICAL DRAWINGS (M SERIES) FOR QUANTITY & TYPE OF DIFFUSERS, RETURN AIR GRILLS, & EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT.
E. REFER TO ELECTRICAL DRAWINGS (E SERIES) FOR QUAINTLY & TYPE OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, ETC. SCRIBE CEILING MATERIALS CAREFULLY. WHERE NO DEVICES ARE SHOWN ON PLAN, FIELD VERIFY LOCATION & QUANTITY OF DEVICES IN EXISTING CEILING. THESE DEVICES WILL BE RELOCATED TO THE NEW CEILING.
F. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ENTIRE BUILDING WILL HAVE FIRE SPRINKLER HEADS IN CEILING. SCRIBE CEILING MATERIALS CAREFULLY FOR A TIGHT FIT.
G. NEW CEILING HEIGHTS TO MATCH EXISTING CEILINGS HEIGHTS AS CLOSE AS POSSIBLE. IF THERE IS NO EXISTING CEILING, COORDINATE NEW CEILING HEIGHT WITH ARCHITECT.
H. PAINTING CONCTRACTOR TO PAINT ALL EXPOSED SPRINKLER PIPING.

REFLECTED CEILING PLAN LEGEND

- EXP — EXPOSED TO STRUCTURE ABOVE
- 1-HR FIRE RATED WALL
- SMOKE PARTITION
- PENDANT LIGHT
- RECESSED DOWN LIGHT
- WALL MOUNTED LIGHT
- 2' X 4' LIGHT
- RETURN GRILLE (EXISTING SHOWN HALF-TONED)
- SUPPLY DIFFUSER (EXISTING SHOWN HALF-TONED)
- GYPSUM WALL BOARD (EXISTING SHOWN HALF-TONED)
- 2'X2' ACOUSTICAL CEILING TILE & GRID (EXISTING SHOWN HALF-TONED)
- 2'X4' ACOUSTICAL CEILING TILE & GRID (EXISTING SHOWN HALF-TONED)

KEYNOTES #

#	DESCRIPTION
1	REPLACE SUSPENDED ACOUSTICAL TILE CEILING AS REQUIRED FOR NEW WORK. COORDINATE WITH MECHANICAL DRAWINGS.

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

REFLECTED CEILING PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

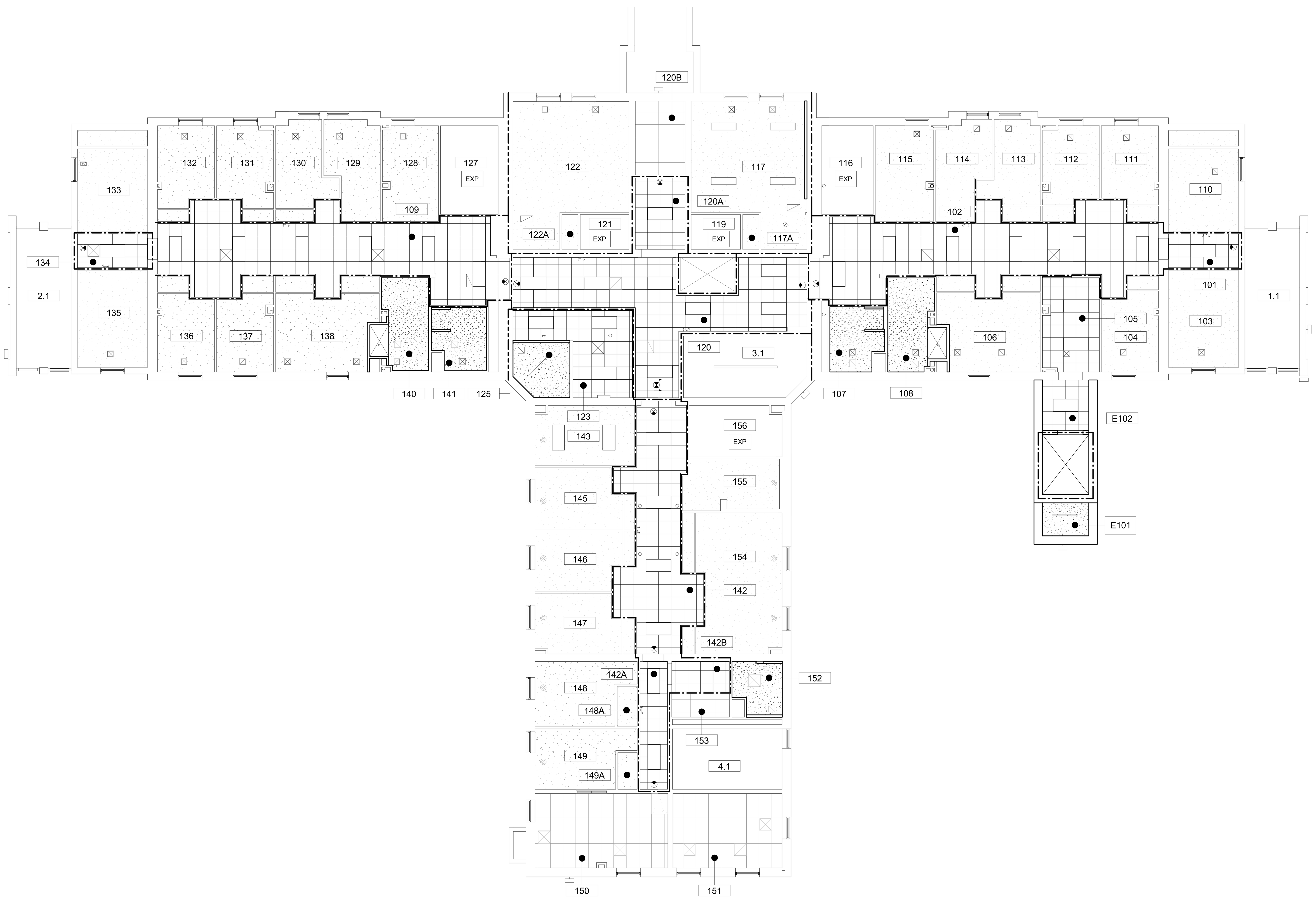
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A130

REFLECTED CEILING PLAN GENERAL NOTES:

A. WHERE ANY EXISTING CEILING TILES THAT WERE TO REMAIN ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE REMOVED & REPLACED WITH NEW TILES AT THE CONTRACTOR'S EXPENSE.
B. PROVIDE DIAGONAL BRACING OR SUPPORT WIRING TO STRUCTURE AS REQUIRED.
C. PROVIDE GYPSUM WALL BOARD & METAL STUD BULKHEADS WHERE CEILINGS OF DIFFERENT HEIGHTS ABUTT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIALS UNLESS SPECIFICALLY DETAILED.
D. REFER TO MECHANICAL DRAWINGS (M SERIES) FOR QUANTITY & TYPE OF DIFFUSERS, RETURN AIR GRILLS, & EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT.
E. REFER TO ELECTRICAL DRAWINGS (E SERIES) FOR QUAINTLY & TYPE OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, ETC. SCRIBE CEILING MATERIALS CAREFULLY. WHERE NO DEVICES ARE SHOWN ON PLAN, FIELD VERIFY LOCATION & QUANTITY OF DEVICES IN EXISTING CEILING. THESE DEVICES WILL BE RELOCATED TO THE NEW CEILING.
F. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ENTIRE BUILDING WILL HAVE FIRE SPRINKLER HEADS IN CEILING. SCRIBE CEILING MATERIALS CAREFULLY FOR A TIGHT FIT.
G. NEW CEILING HEIGHTS TO MATCH EXISTING CEILINGS HEIGHTS AS CLOSE AS POSSIBLE. IF THERE IS NO EXISTING CEILING, COORDINATE NEW CEILING HEIGHT WITH ARCHITECT.
H. PAINTING CONCTRACTOR TO PAINT ALL EXPOSED SPRINKLER PIPING.

REFLECTED CEILING PLAN LEGEND

EXP — EXPOSED TO STRUCTURE ABOVE
1-HR FIRE RATED WALL
SMOKE PARTITION
PENDANT LIGHT
RECESSED DOWN LIGHT
WALL MOUNTED LIGHT
2' X 4' LIGHT
RETURN GRILLE (EXISTING SHOWN HALF-TONED)
SUPPLY DIFFUSER (EXISTING SHOWN HALF-TONED)
GYPSUM WALL BOARD (EXISTING SHOWN HALF-TONED)
2'X2' ACOUSTICAL CEILING TILE & GRID (EXISTING SHOWN HALF-TONED)
2'X4' ACOUSTICAL CEILING TILE & GRID (EXISTING SHOWN HALF-TONED)



1 A131 REFLECTED CEILING PLAN - FIRST LEVEL
1/8" = 1'-0"
NORTH

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

REFLECTED CEILING PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A131

REFLECTED CEILING PLAN GENERAL NOTES:

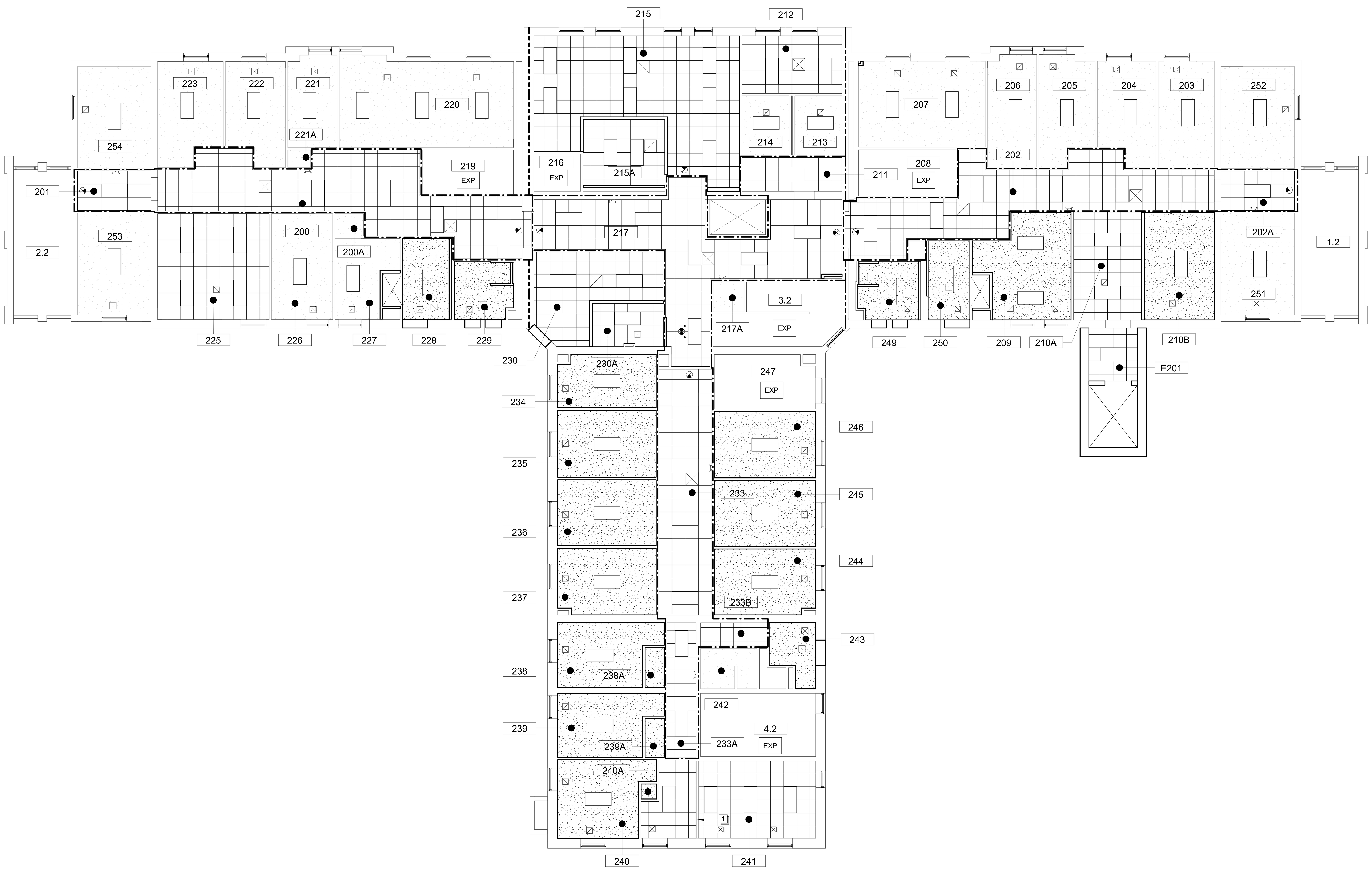
A. WHERE ANY EXISTING CEILING TILES THAT WERE TO REMAIN ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE REMOVED & REPLACED WITH NEW TILES AT THE CONTRACTOR'S EXPENSE.
B. PROVIDE DIAGONAL BRACING OR SUPPORT WIRING TO STRUCTURE AS REQUIRED.
C. PROVIDE GYPSUM WALL BOARD & METAL STUD BULKHEADS WHERE CEILINGS OF DIFFERENT HEIGHTS ABUTT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIALS UNLESS SPECIFICALLY DETAILED.
D. REFER TO MECHANICAL DRAWINGS (M SERIES) FOR QUANTITY & TYPE OF DIFFUSERS, RETURN AIR GRILLS, & EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT.
E. REFER TO ELECTRICAL DRAWINGS (E SERIES) FOR QUAINTLY & TYPE OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, ETC. SCRIBE CEILING MATERIALS CAREFULLY. WHERE NO DEVICES ARE SHOWN ON PLAN, FIELD VERIFY LOCATION & QUANTITY OF DEVICES IN EXISTING CEILING. THESE DEVICES WILL BE RELOCATED TO THE NEW CEILING.
F. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ENTIRE BUILDING WILL HAVE FIRE SPRINKLER HEADS IN CEILING. SCRIBE CEILING MATERIALS CAREFULLY FOR A TIGHT FIT.
G. NEW CEILING HEIGHTS TO MATCH EXISTING CEILINGS HEIGHTS AS CLOSE AS POSSIBLE. IF THERE IS NO EXISTING CEILING, COORDINATE NEW CEILING HEIGHT WITH ARCHITECT.
H. PAINTING CONCTRACTOR TO PAINT ALL EXPOSED SPRINKLER PIPING.

REFLECTED CEILING PLAN LEGEND

Symbol	Description
EXP	EXPOSED TO STRUCTURE ABOVE
	1-HR FIRE RATED WALL
	SMOKE PARTITION
	PENDANT LIGHT
	RECESSED DOWN LIGHT
	WALL MOUNTED LIGHT
	2' X 4' LIGHT
	RETURN GRILLE (EXISTING SHOWN HALF-TONED)
	SUPPLY DIFFUSER (EXISTING SHOWN HALF-TONED)
	GYPSUM WALL BOARD (EXISTING SHOWN HALF-TONED)
	2'X2' ACOUSTICAL CEILING TILE & GRID (EXISTING SHOWN HALF-TONED)
	2'X4' ACOUSTICAL CEILING TILE & GRID (EXISTING SHOWN HALF-TONED)

KEYNOTES #

#	DESCRIPTION
1	EXISTING GWB BULKHEAD TO REMAIN, PAINT P-2.



NORTH

1 A132 REFLECTED CEILING PLAN - SECOND LEVEL
1/8" = 1'-0"

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

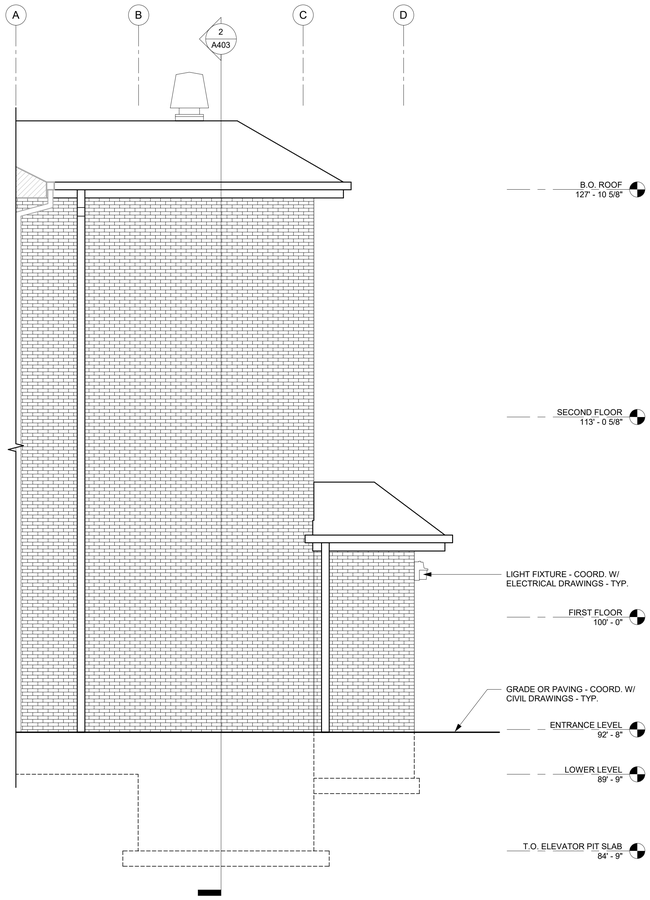
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

REFLECTED CEILING PLAN - SECOND LEVEL

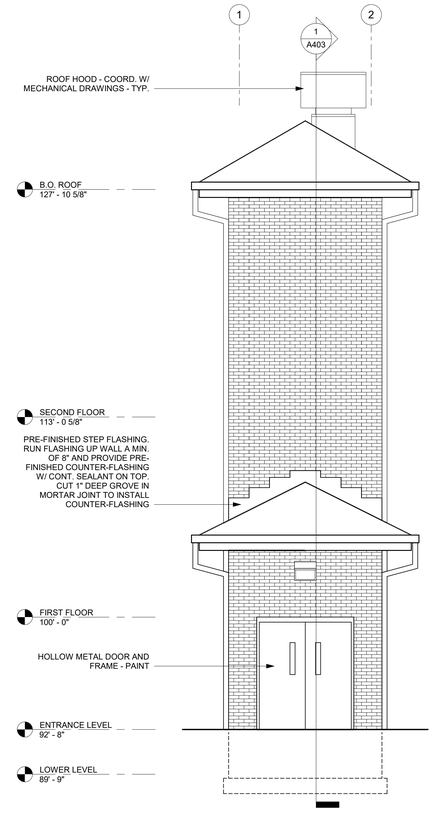
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

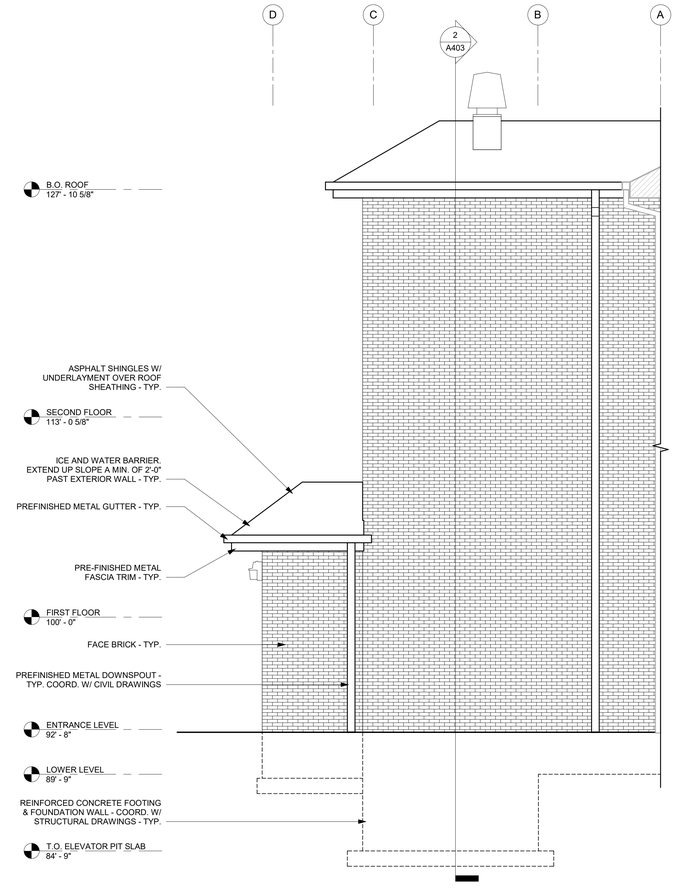
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A132



3 A201 EXTERIOR ELEVATOR ADDITION - WEST ELEVATION
1/4" = 1'-0"



2 A201 EXTERIOR ELEVATOR ADDITION - SOUTH ELEVATION
1/4" = 1'-0"



1 A201 EXTERIOR ELEVATOR ADDITION - EAST ELEVATION
1/4" = 1'-0"

DRAWN:	XXX
DESIGNED:	XXX
CHECKED:	XXX
PROJ. MNGR:	XXX

NO.	DESCRIPTION	BY
0	BID SET	KPE

DATE
09-01-2023

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

EXTERIOR BUILDING ELEVATION

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE:
09-01-2023

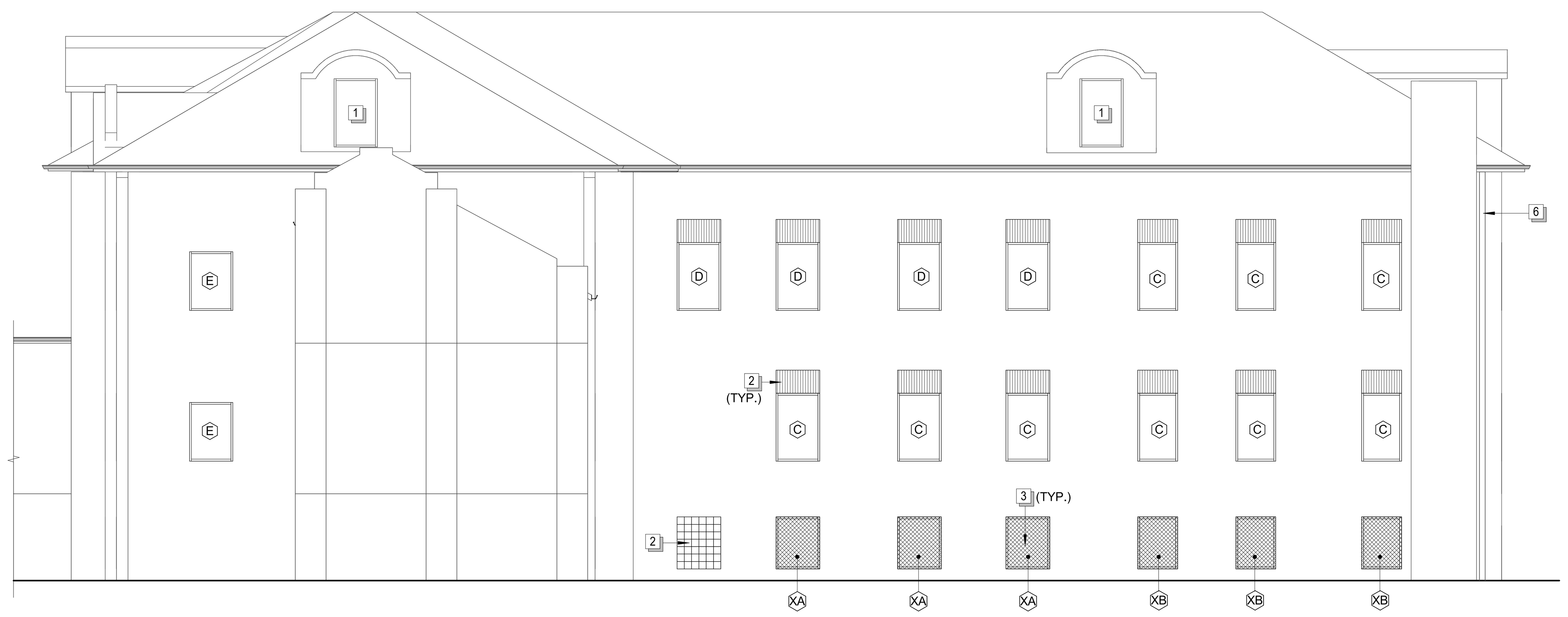
JOB NUMBER:
257-014

SHEET:
A201

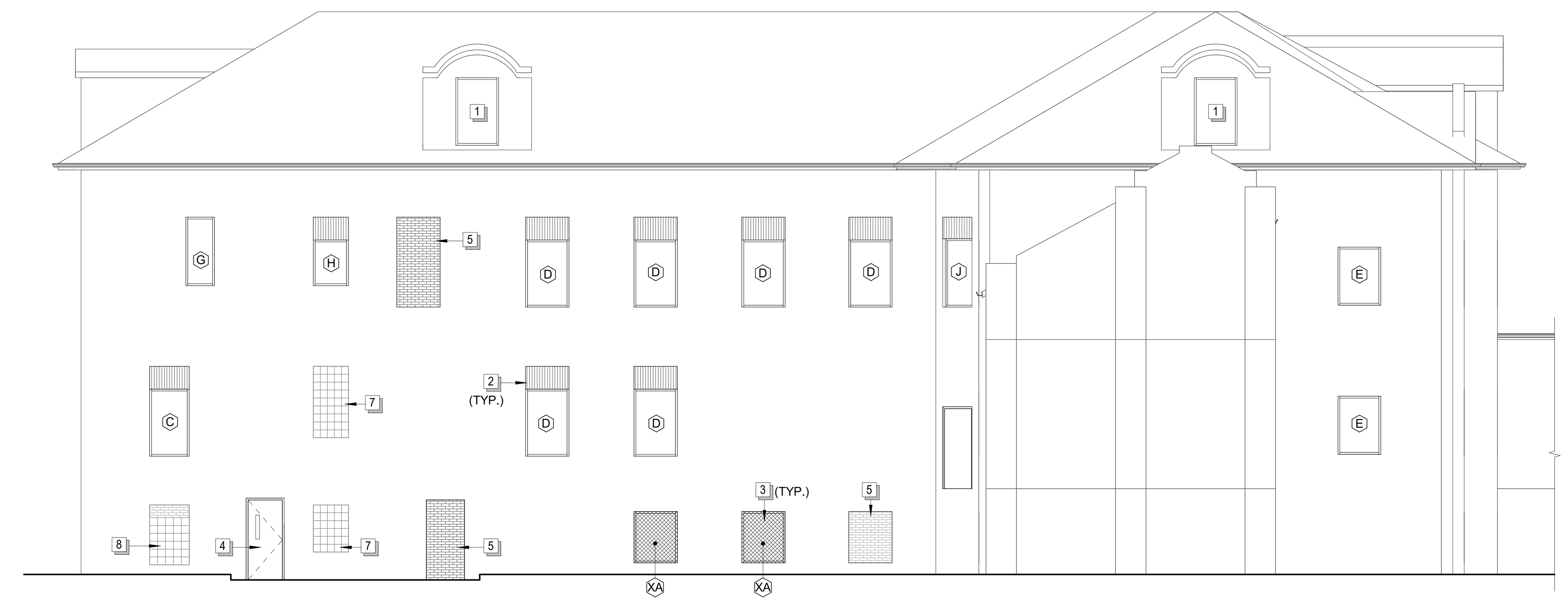
KEYNOTES #

#	DESCRIPTION
1	EXISTING WINDOW TO REMAIN.
2	ALUMINUM BRAKE METAL PANEL ABOVE WINDOW PROVIDED BY WINDOW MANUFACTURER. COLOR TO MATCH WINDOW FINISH.
3	SECURITY SCREEN TO BE MOUNTED ON THE EXTERIOR SIDE OF THE WALL AND IN-BETWEEN THE WINDOW OPENING.
4	NEW HOLLOW METAL FRAME AND DOOR. PAINT DOOR AND FRAME P-3.
5	INFILL EXISTING OPENING, MATCH EXISTING WALL CONSTRUCTION, THICKNESS AND FINISHES.
6	RELOCATED DOWNSPOUT - COORDINATE WITH CIVIL DRAWINGS.
7	EXISTING GLASS BLOCK TO REMAIN.
8	EXISTING GLASS BLOCK AND FACE BRICK TO REMAIN.
9	REMOVE PORTION OF WALL BELOW WINDOW OPENING FOR NEW OPENING - COORDINATE WITH STRUCTURAL DRAWINGS.
10	ACCESSIBLE CONCRETE STAIR AND RAMP - COORDINATE WITH CIVIL AND STRUCTURAL DRAWINGS.
11	EXISTING TUNNEL LID.

6 A202 BUILDING NORTH ELEVATION
1/8" = 1'-0"

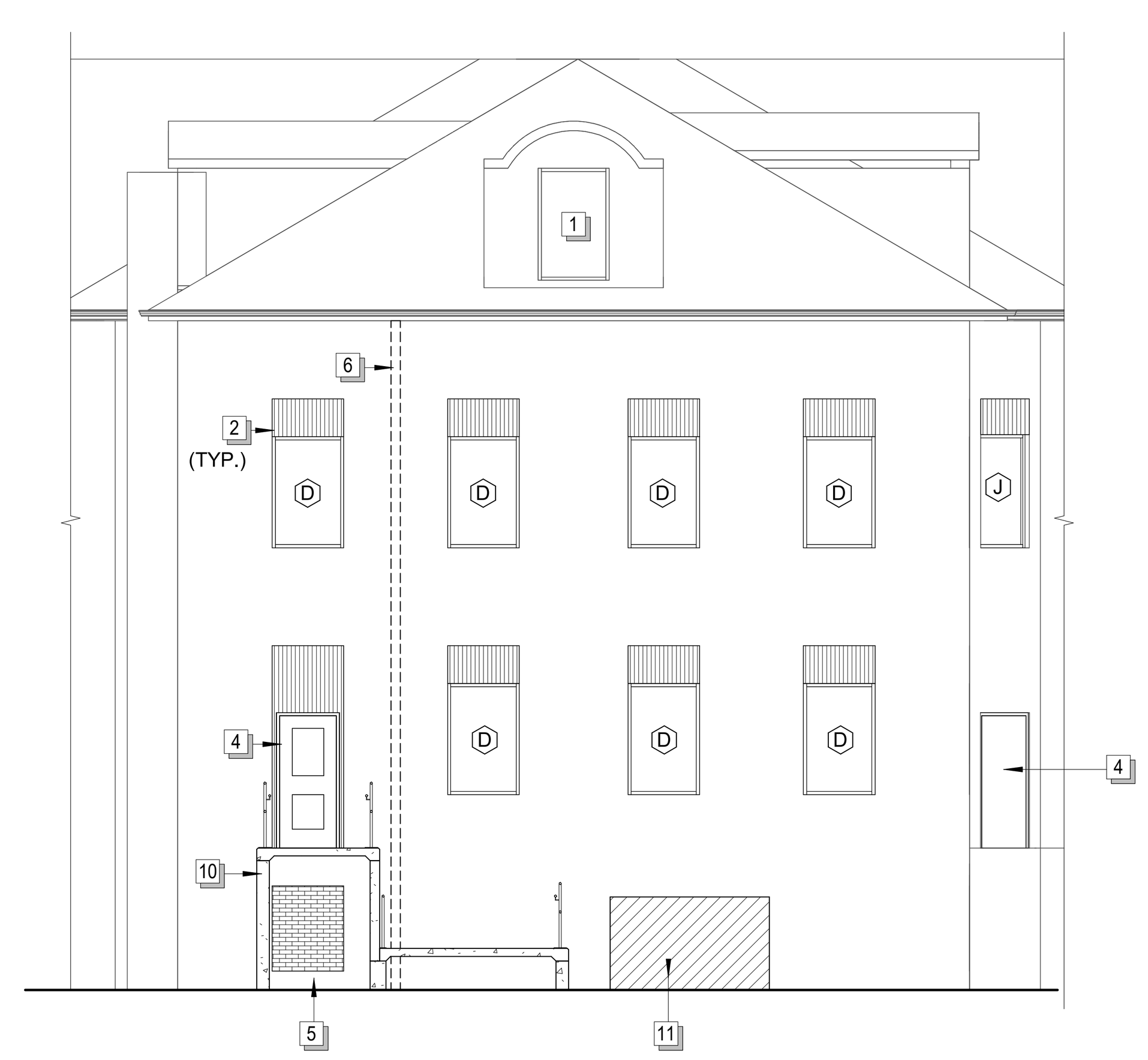


5 A202 WEST BUILDING ELEVATION
1/8" = 1'-0"

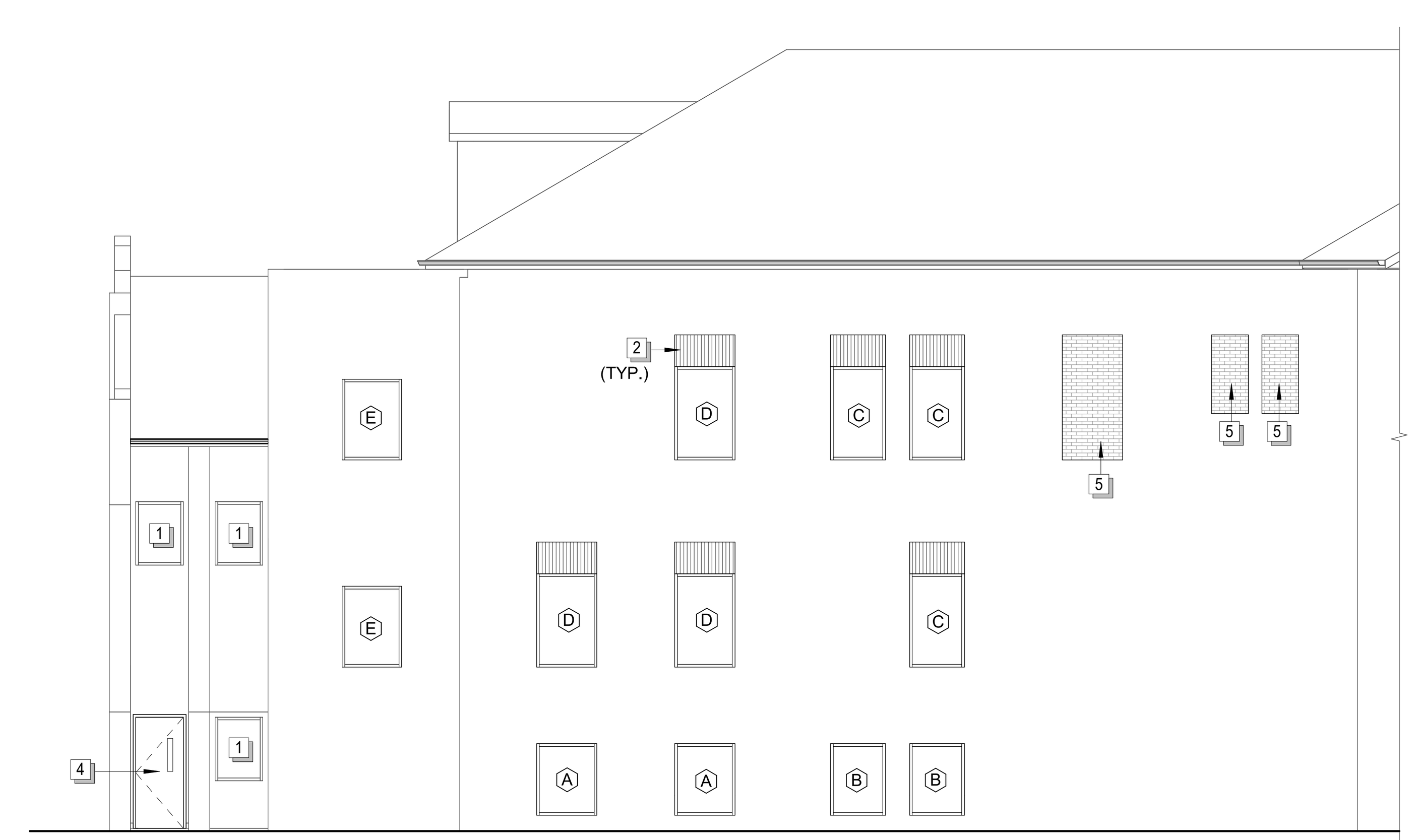


4 A202 BUILDING EAST ELEVATION
1/8" = 1'-0"

3 A202 PARTIAL SOUTH BUILDING ELEVATION
1/8" = 1'-0"



2 A202 PARTIAL SOUTH BUILDING ELEVATION
1/8" = 1'-0"



1 A202 PARTIAL SOUTH BUILDING ELEVATION
1/8" = 1'-0"

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

EXTERIOR BUILDING ELEVATION

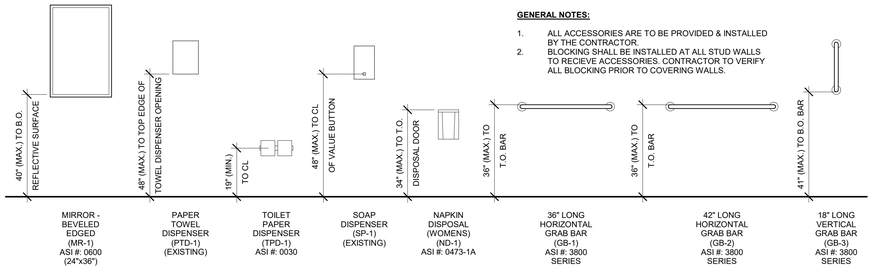
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A202

KEYNOTES

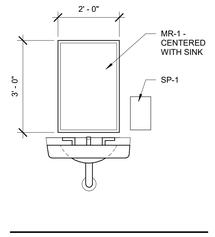
#	DESCRIPTION
1	INFILL EXISTING OPENING WITH STUDS/GWB AND MATCH EXISTING WALL THICKNEES. PREP WALL AND PAINT (P-1).
2	NEW PRE-MANUFACTURED SHOWER UNIT, COORDINATE WITH PLUMBING DRAWINGS.
3	NEW 3-5/8" METAL STUD FRAMING.
4	NEW 2'-0" X 4'-0" FIRE RATED WINDOW AND FIRE RATED TRANSACTION DRAWER INSTALLED IN THE COUNTERTOP. THE WINDOW AND TRANSACTION DRAWER NEED TO BE RATED A MINIMUM OF 45-MINUTES. COORDINATE FINAL LOCATION WITH OWNER.
5	REMOVE EXISTING DRYWALL AND/OR PLASTER LAYER ON BOTH SIDES OF THE WALL, STUDS TO REMAIN. ADD A LAYER OF 5/8" TYPE-X GWB ON THE ROOM SIDE OF THW WALL AND ADD A LAYER OF 1/2" FIRE RATED PLYWOOD AND A LAYER OF 5/8" TYPE-X GWB ON THE CORRIDOR SIDE OF THE WALL.
6	NEW 2'-0" X 4'-0" FIRE RATED WINDOW AND FIRE RATED TRANSACTION DRAWER INSTALLED IN THE COUNTERTOP. THE WINDOW AND TRANSACTION DRAWER NEED TO BE RATED A MINIMUM OF 45-MINUTES. COORDINATE FINAL LOCATION WITH OWNER. INFILL ABOVE & BELOW WINDOW WITH STUDS/GWB AND MATCH EXISTING WALL THICKNEES. PREP WALL AND PAINT (P-1).
7	HI/LO DRINKING FOUNTAIN WITH BOTTLE FILLER ON ONE SIDE - COORDINATE WITH PLUMBING DRAWINGS. MOUNTING HEIGHT TO MEET CURRENT ACCESSIBILITY CODE.
8	PROVIDE FOUR (4) COUNTERTOP GROMMETS - REFER TO SPECIFICATIONS FOR MORE INFORMATION. COORDINATE WITH ELECTRICAL DRAWINGS AND COORDINATE FINAL LOCATIONS WITH OWNER.
9	PROVIDE TWO (2) COUNTERTOP GROMMETS - REFER TO SPECIFICATIONS FOR MORE INFORMATION. COORDINATE WITH ELECTRICAL DRAWINGS AND COORDINATE FINAL LOCATIONS WITH OWNER.
10	PROVIDE ONE (1) COUNTERTOP GROMMET - REFER TO SPECIFICATIONS FOR MORE INFORMATION. COORDINATE WITH ELECTRICAL DRAWINGS AND COORDINATE FINAL LOCATION WITH OWNER.
11	OMICELL - PROVIDED BY OWNER, COORDINATE WITH ELECTRICAL DRAWINGS.
12	THE TRADE CONTRACTOR TO FIELD VERIFY THE CENTER LINE OF EXISTING TOILET FLANGE. IF THE CENTER LINE IS LESS THEN 16" OR MORE THEN 18" FROM THE SIDE WALL, THE CONTRACTOR SHALL LET THE ARCHITECT KNOW.
13	INFILL EXISTING OPENING, MATCH EXISTING WALL CONSTRUCTION, THICKNESS AND FINISHES.



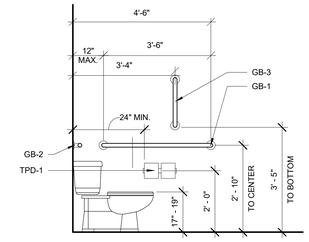
GENERAL NOTES:

1. ALL ACCESSORIES ARE TO BE PROVIDED & INSTALLED BY THE CONTRACTOR.
2. BLOCKING SHALL BE INSTALLED AT ALL STUD WALLS TO RECIEVE ACCESSORIES. CONTRACTOR TO VERIFY ALL BLOCKING PRIOR TO COVERING WALLS.

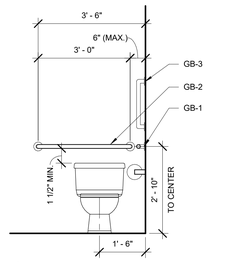
9 A401 TOILET ACCESSORIES - MOUNTING HEIGHTS
1/2" = 1'-0"



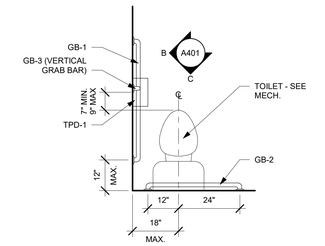
A



B

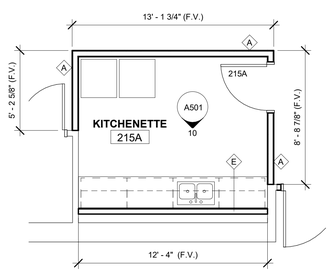


C

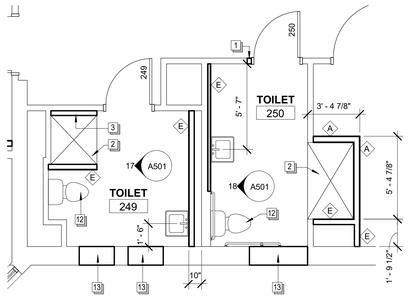


D ACCESSIBLE STALL LAYOUT

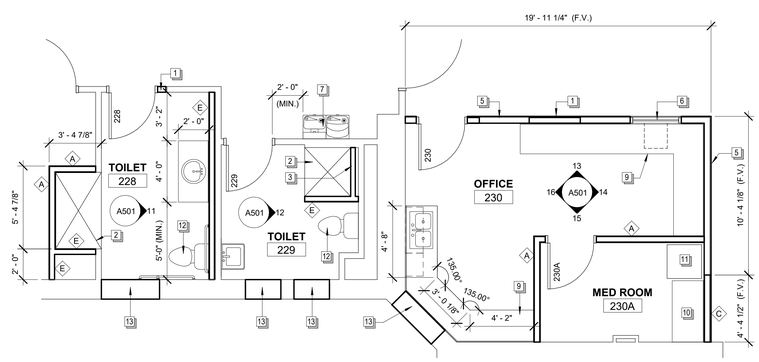
8 A401 TYPICAL TANK TOILET ELEVATIONS / ACCESSORIES
1/2" = 1'-0"



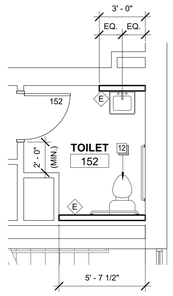
7 A401 ENLARGED PLAN - KITCHENETTE 215A
1/4" = 1'-0"
NORTH



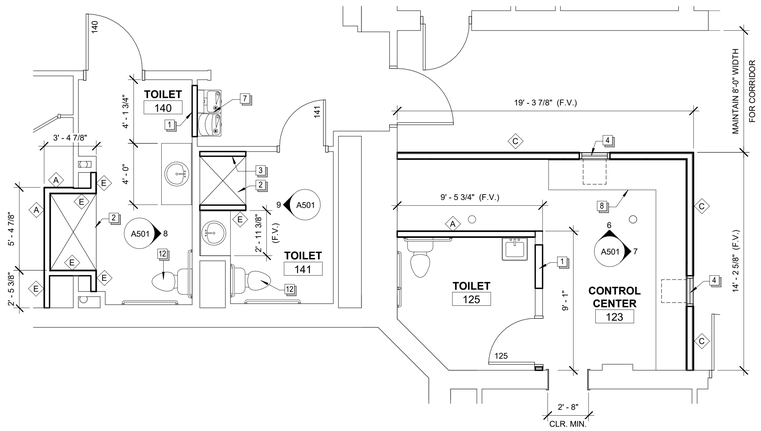
6 A401 ENLARGED PLAN - BATH 249 / 250
1/4" = 1'-0"
NORTH



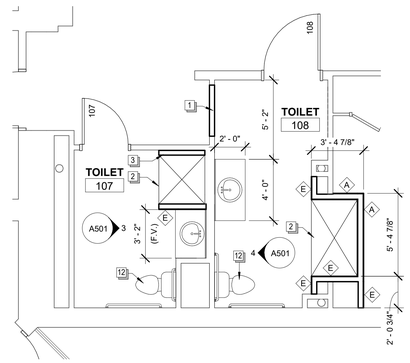
5 A401 ENLARGED PLAN - BATH 228 / 229 / OFFICE 230 / MED ROOM 230A
1/4" = 1'-0"
NORTH



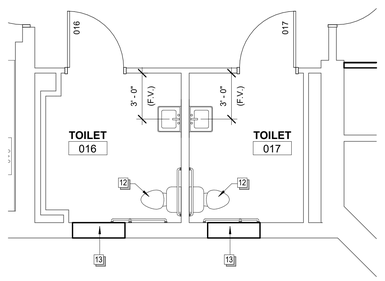
4 A401 ENLARGED PLAN - BATH 152
1/4" = 1'-0"
NORTH



3 A401 ENLARGED PLAN - BATH 125 / 140 / 141 / CONTROL CENTER 123
1/4" = 1'-0"
NORTH



2 A401 ENLARGED PLAN - BATH 106 / 107
1/4" = 1'-0"
NORTH



1 A401 ENLARGED PLAN - BATH 016 / 017
1/4" = 1'-0"
NORTH

	DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
	MJM	MJM	MJM	MJM

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE		
09-01-2023		

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

ENLARGED RESTROOM PLANS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

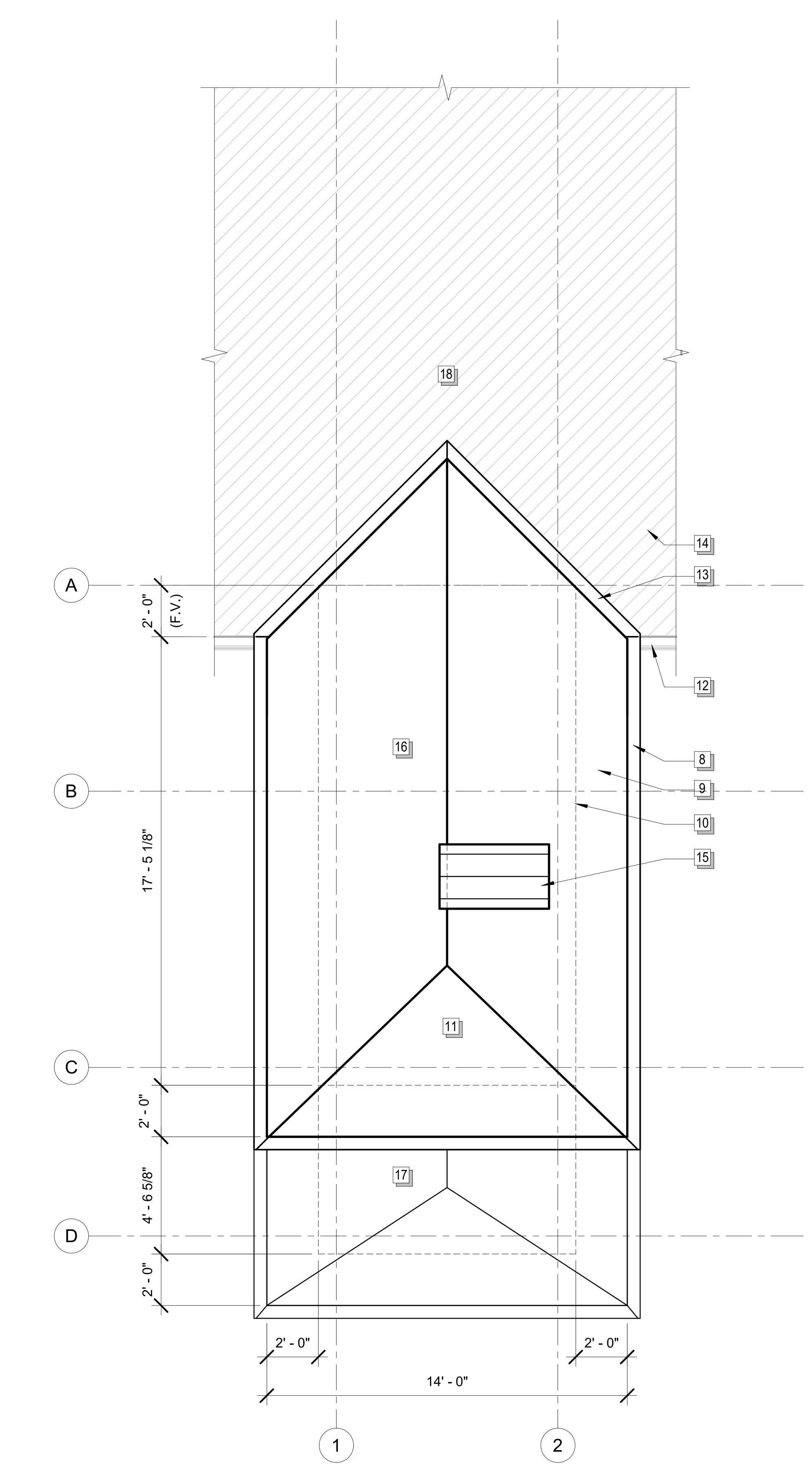
DATE: 09-01-2023

JOB NUMBER: 257-014

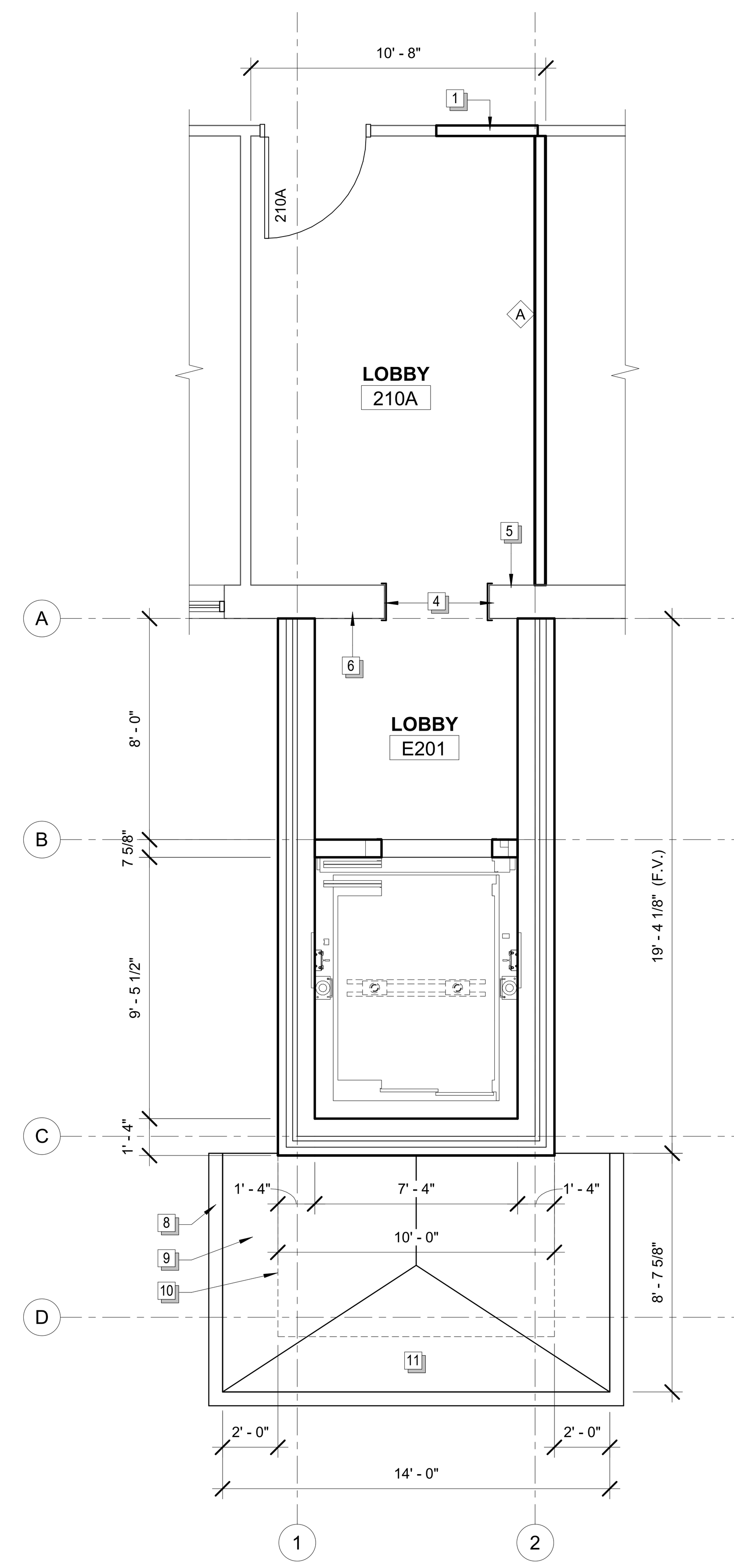
SHEET: A401

KEYNOTES

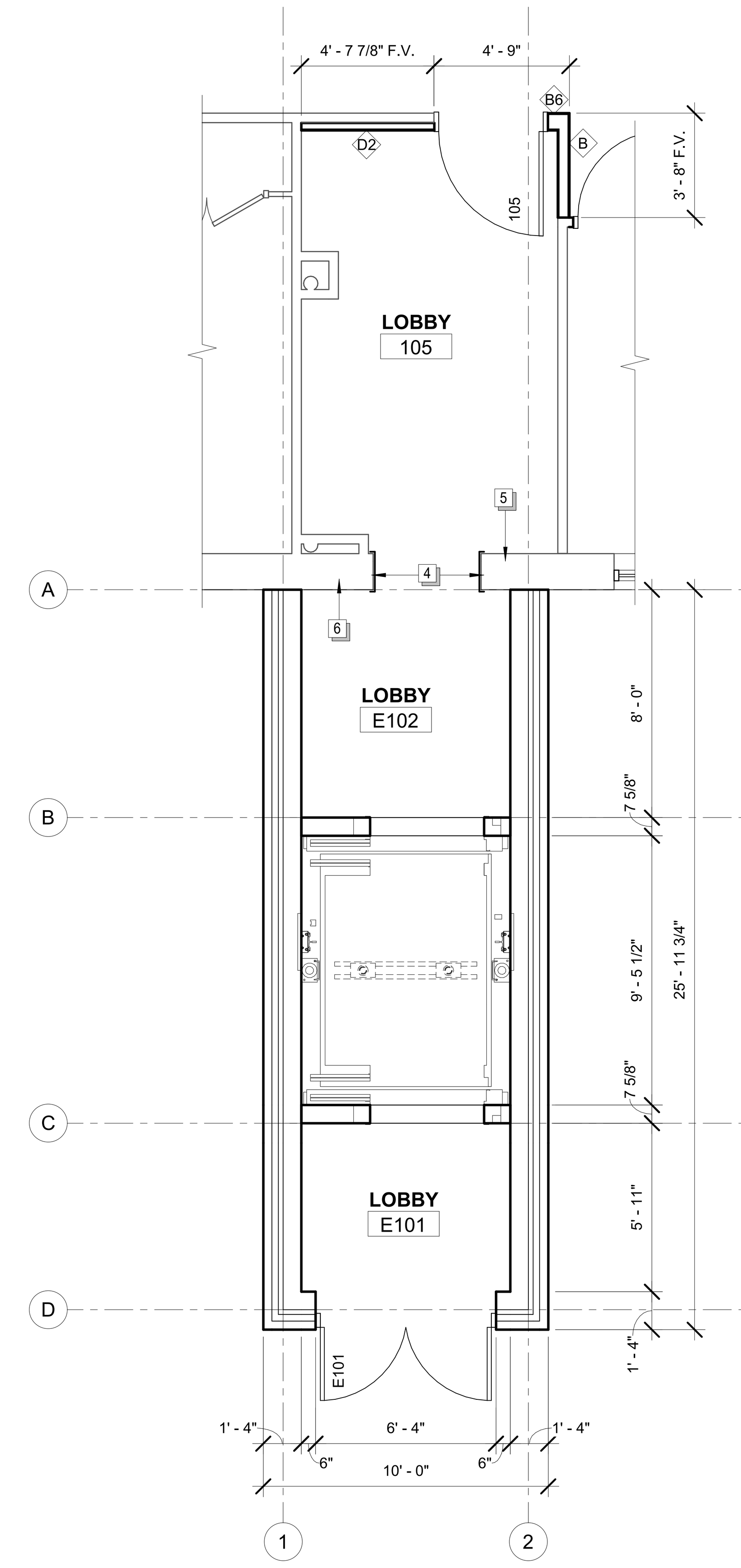
#	DESCRIPTION
1	INFILL EXISTING OPENING WITH STUDS/GWB AND MATCH EXISTING WALL THICKNEES. PREP WALL AND PAINT (P-1).
2	CENTER WALL ON BEAM ABOVE.
3	PREP AND PAINT (P-1) EXISTING EXPOSED COLUMN TO REMAIN.
4	WRAP OPENING WITH STAINLESS STEEL (ALL THREE SIDES), RETURN BACK ON BOTH SIDES OF THE WALL A MINIMUM OF 4".
5	REPAIR PLASTER/GWB WALL AS REQUIRED ON ALL SIDES OF THE OPENING AFTER THE WINDOW AND PORTION OF WALL HAVE BEEN REMOVED. PREP AND PAINT (P-1).
6	PREP EXISTING MASONRY WALL TO BE PAINTED (P-1).
7	REINFORCED CONCRETE FOOTING - COORDINATE WITH STRUCTURAL DRAWINGS.
8	PREFINISHED METAL GUTTER AND DOWNSPOUTS.
9	NEW ASPHALT SHINGLES AND UNDERLAYMENT. PROVIDE A SELF ADHERING ICE AND WATER BARRIER AROUND THE PERIMETER OF THE ROOF, EXTEND A MINIMUM OF 2'-0" FROM FACE OF EXTERIOR WALLS.
10	LINE OF WALL BELOW.
11	THE TRADE CONTRACTOR TO FIELD VERIFY EXISTING ROOF ELEVATIONS AND SLOPES, NEW ROOF SLOPE SHOULD MATCH EXISTING.
12	MODIFY EXISTING GUTTERS FOR NEW WORK.
13	PRE-FINISHED METAL VALLEY FLASHING AND UNDERLAYMENT.
14	REMOVE EXISTING SHINGLES AND UNDERLAYMENT AS REQUIRED FOR NEW WORK.
15	ROOF HOOD - COORDINATE WITH MECHANICAL DRAWINGS.
16	PROVIDE A MIN. OF 96 SQUARE INCHES OF FREE AREA FOR ATTIC VENTILATION, CONTRACTOR TO VERIFY. VENT SHALL BE TURTLE OR SLANT BACK STYLE. COLOR TO MATCH EXISTING ROOF VENTS.
17	PROVIDE A MIN. OF 40 SQUARE INCHES OF FREE AREA FOR ATTIC VENTILATION, CONTRACTOR TO VERIFY. VENT SHALL BE TURTLE OR SLANT BACK STYLE. COLOR TO MATCH EXISTING ROOF VENTS.
18	THE TRADE CONTRACTOR TO FIELD VERIFY EXISTING ROOF ELEVATION AND SLOPE. COORDINATE WITH STRUCTURAL DRAWINGS AND ROOF TRUSS SUPPLIER.



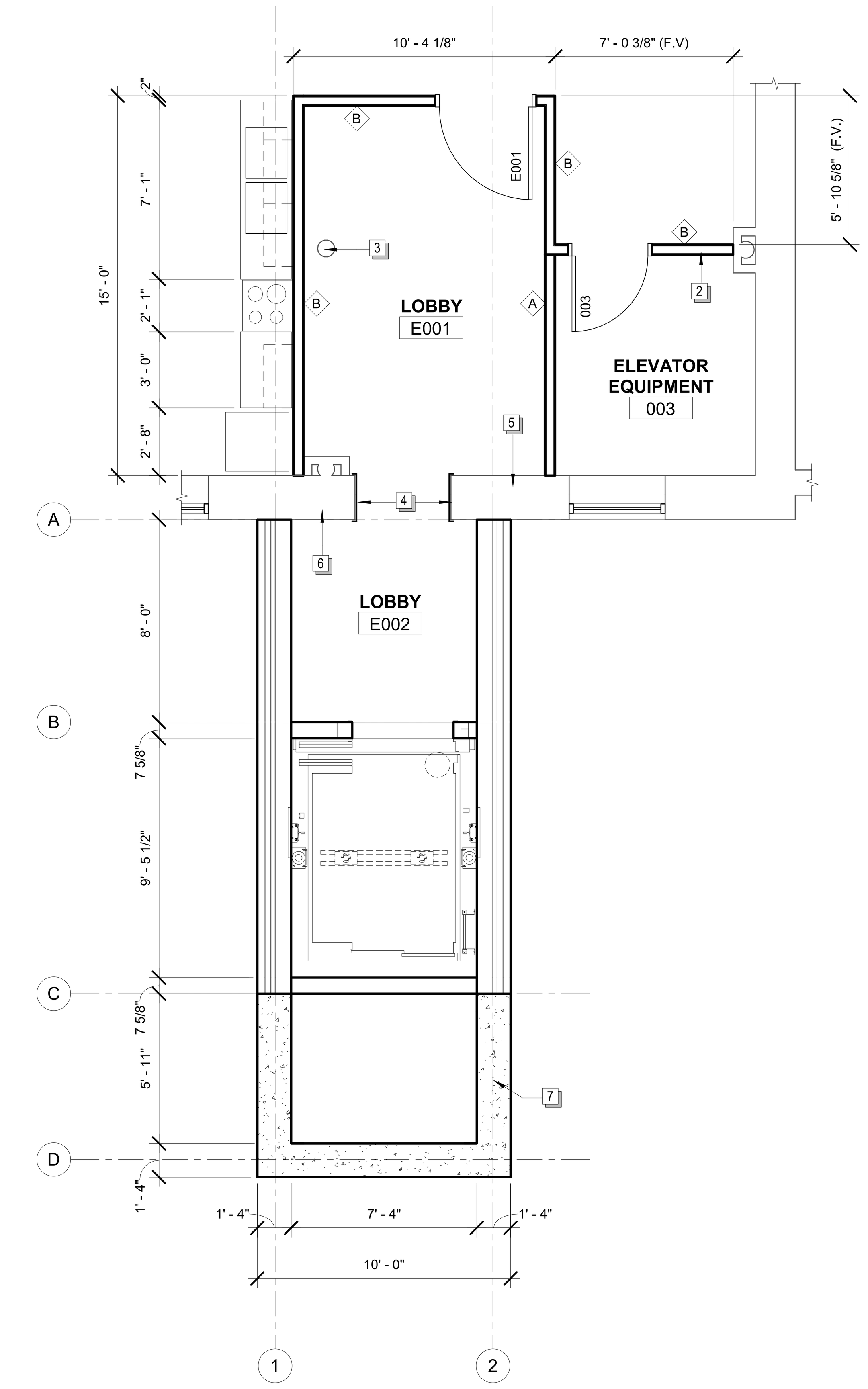
4 A402 ENLARGED PLAN - ROOF LEVEL
1/4" = 1'-0"
NORTH



3 A402 ENLARGED PLAN - SECOND LEVEL
1/4" = 1'-0"
NORTH



2 A402 ENLARGED PLAN - FIRST LEVEL
1/4" = 1'-0"
NORTH



1 A402 ENLARGED PLAN - BASEMENT LEVEL
1/4" = 1'-0"
NORTH

DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
MJM	MJM	MJM	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ENLARGED ELEVATOR PLANS

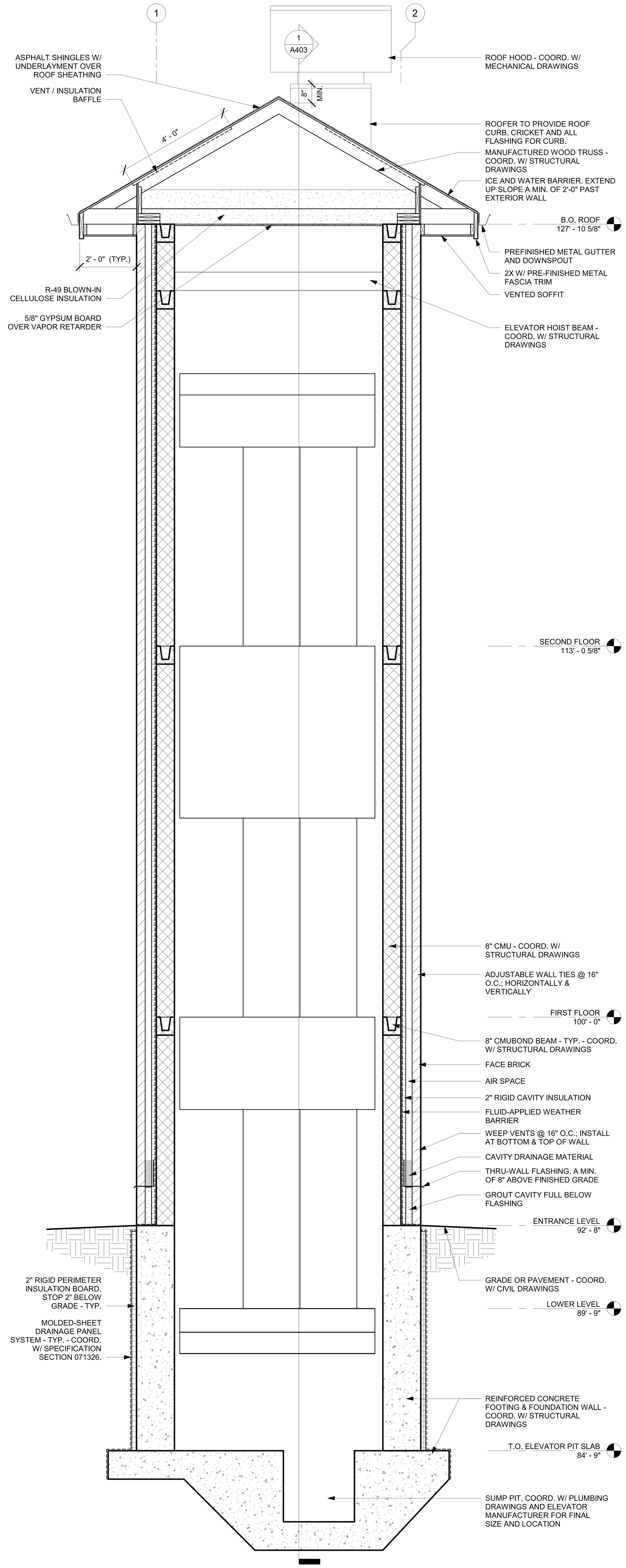
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

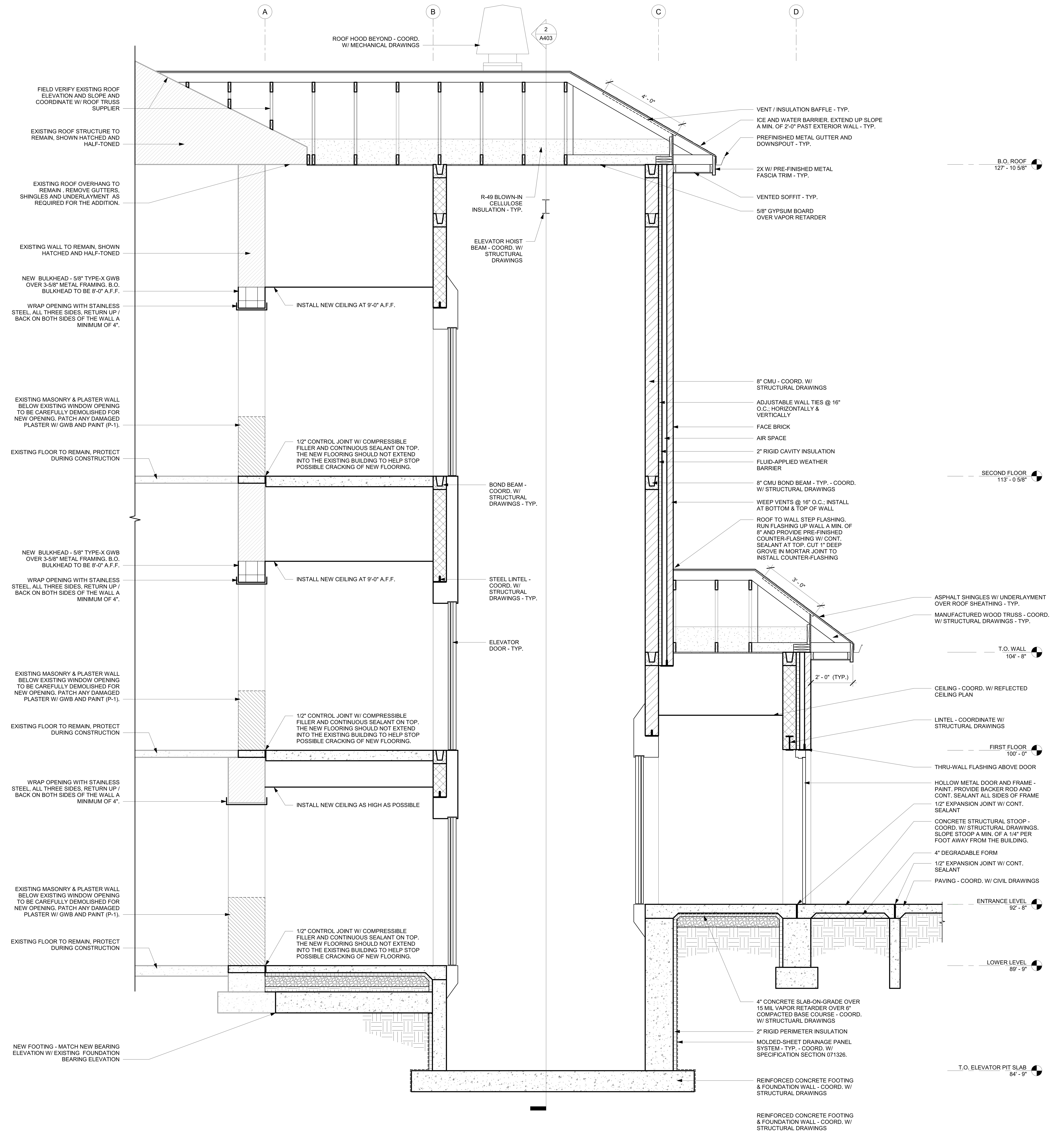
DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: A402



2 A403 SECTION THRU ELEVATOR LOOKING NORTH
1/2" = 1'-0"



1 A403 SECTION THRU ELEVATOR LOOKING EAST
1/2" = 1'-0"

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELEVATOR SECTIONS

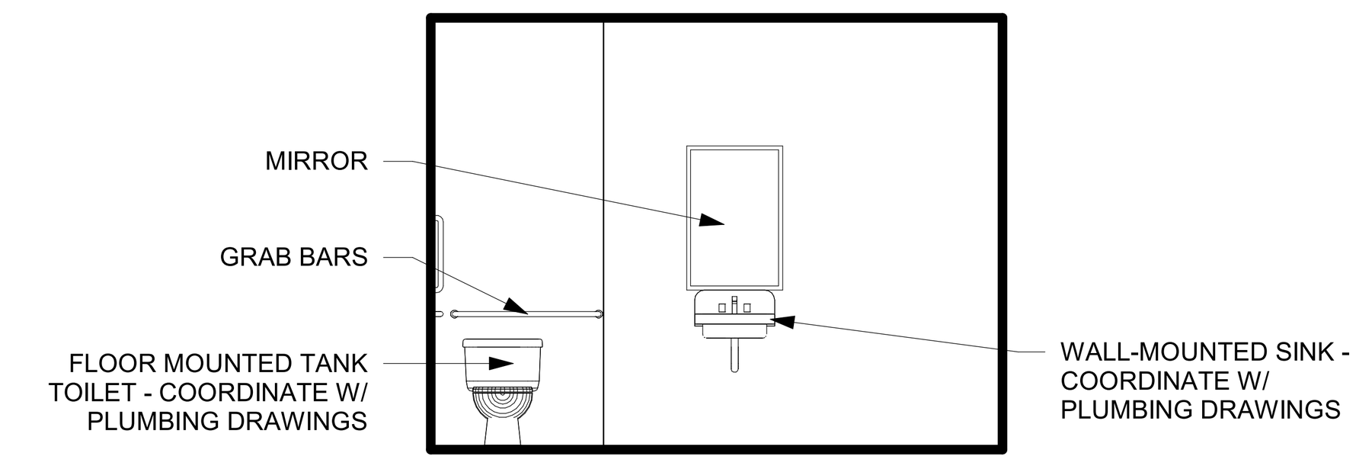
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

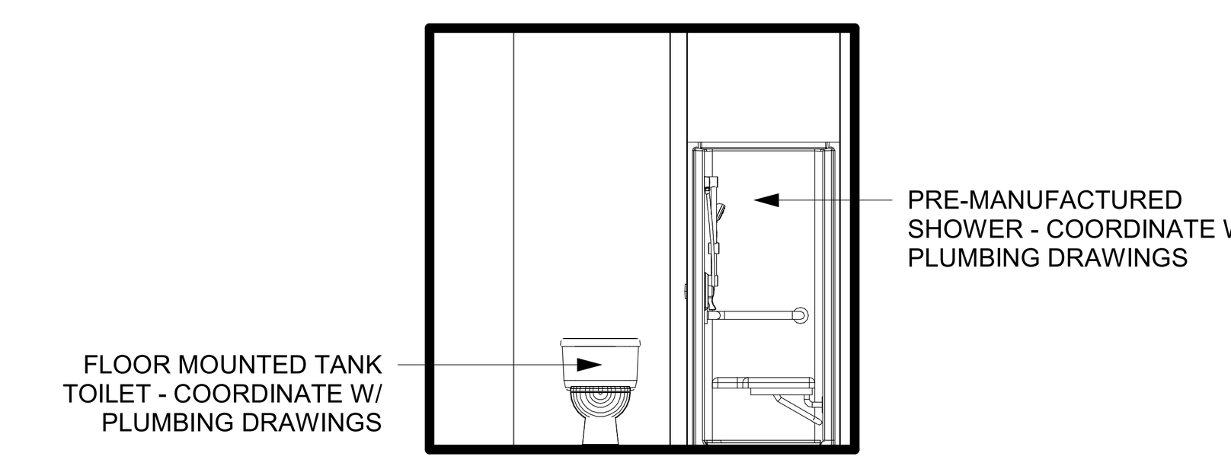
DATE: 09-01-2023

JOB NUMBER: 257-014

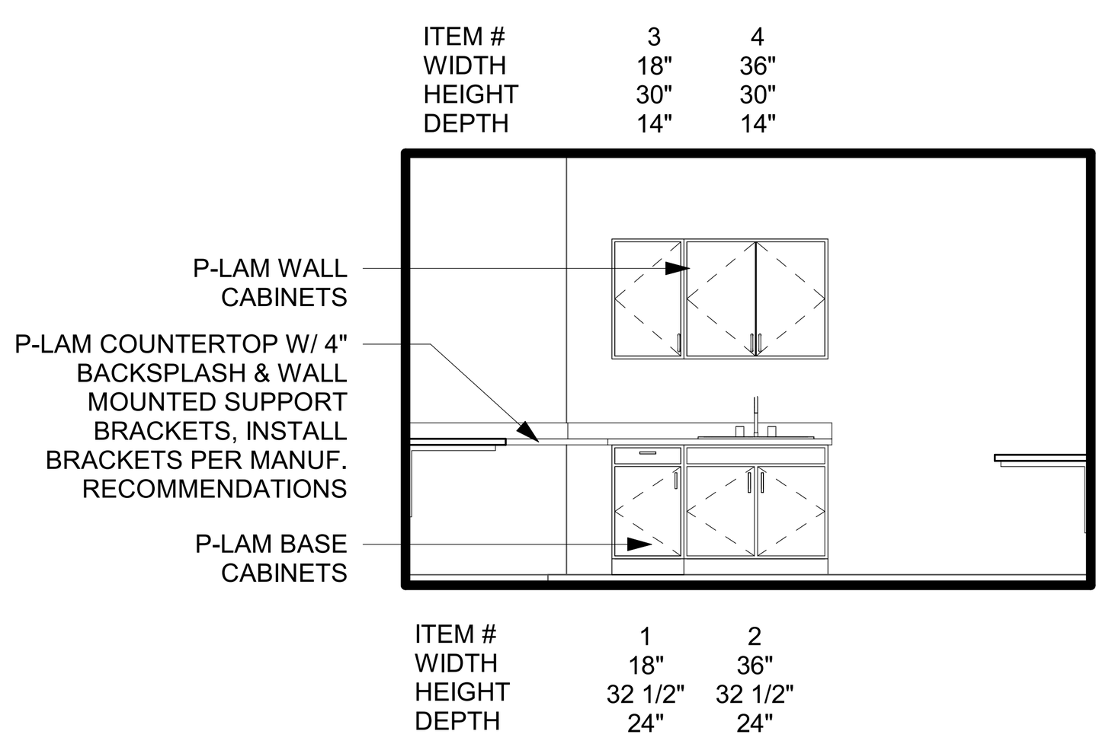
SHEET: A403



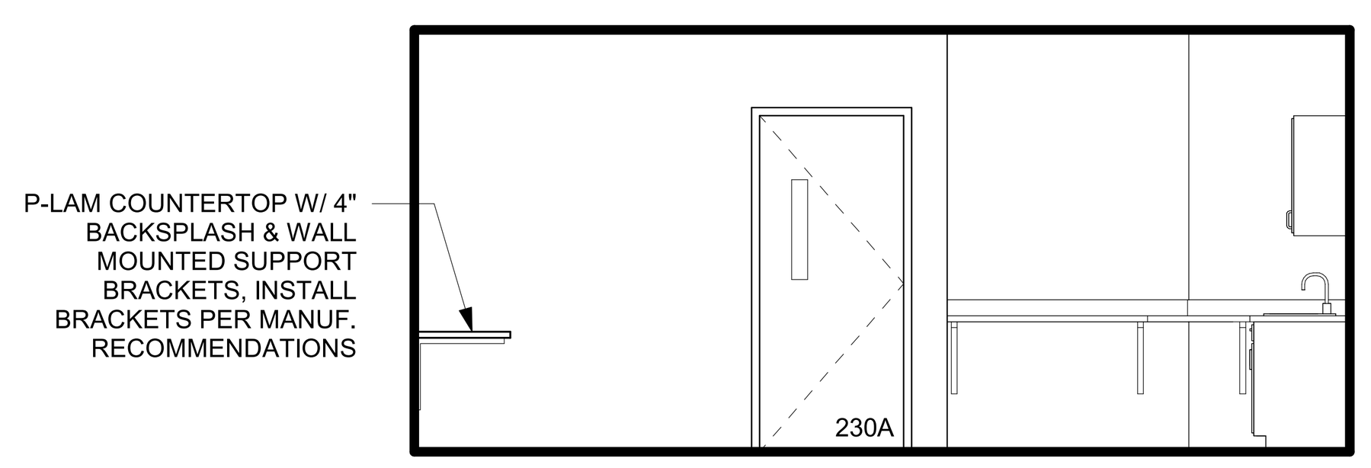
18 A501 CASEWORK ELEVATION - TOILET 250
1/4" = 1'-0"



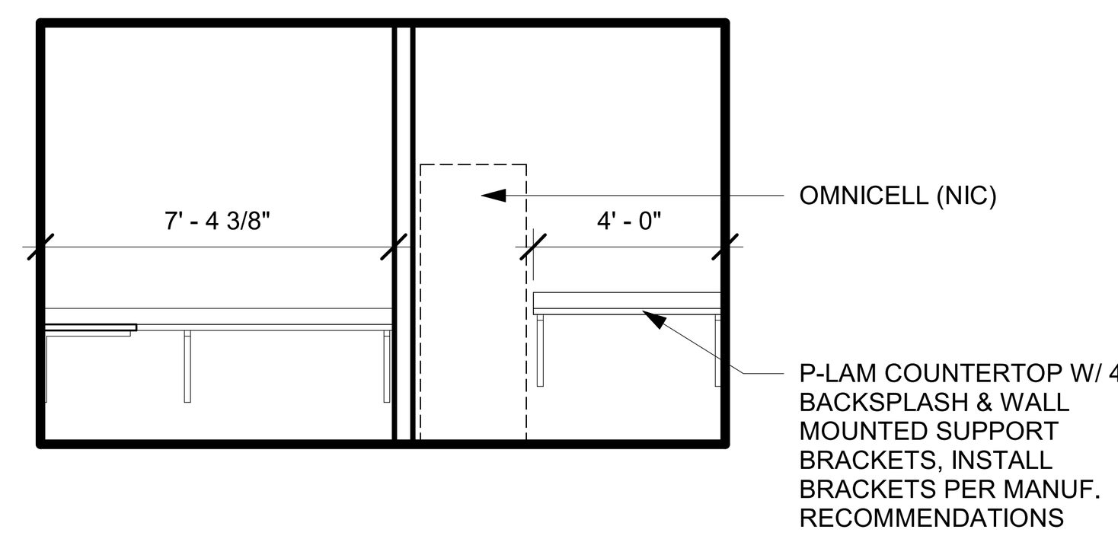
17 A501 SHOWER ELEVATION - TOILET 249
1/4" = 1'-0"



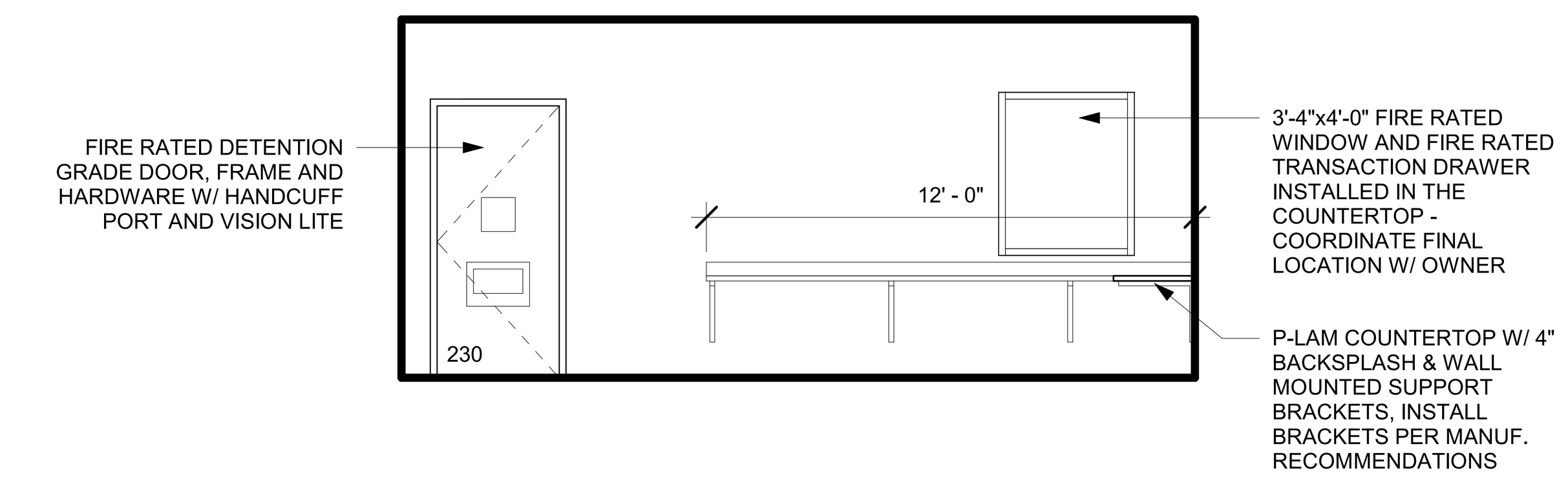
16 A501 CASEWORK WEST ELEVATION - OFFICE 230
1/4" = 1'-0"



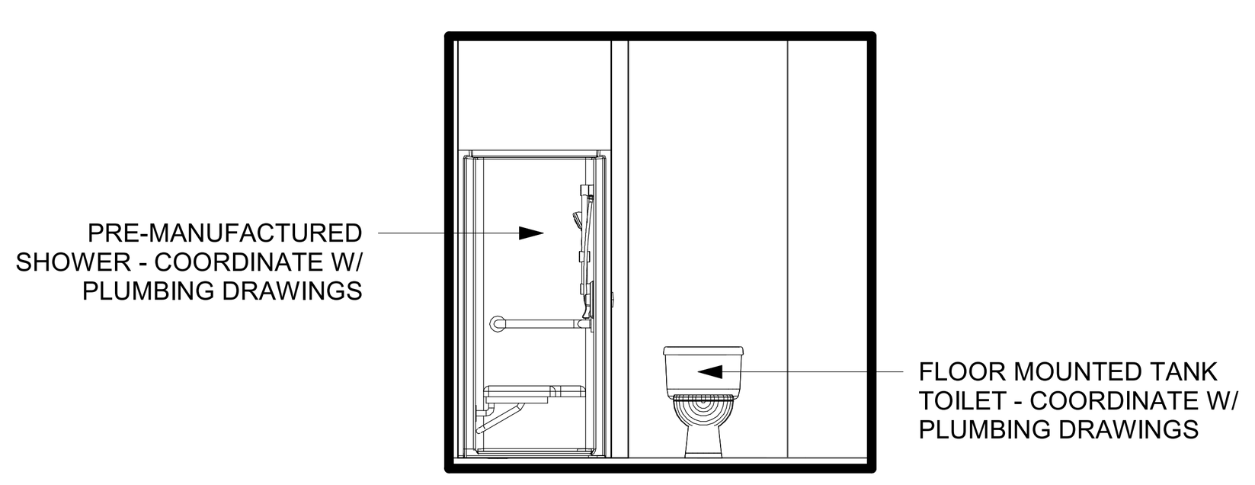
15 A501 CASEWORK SOUTH ELEVATION - OFFICE 230
1/4" = 1'-0"



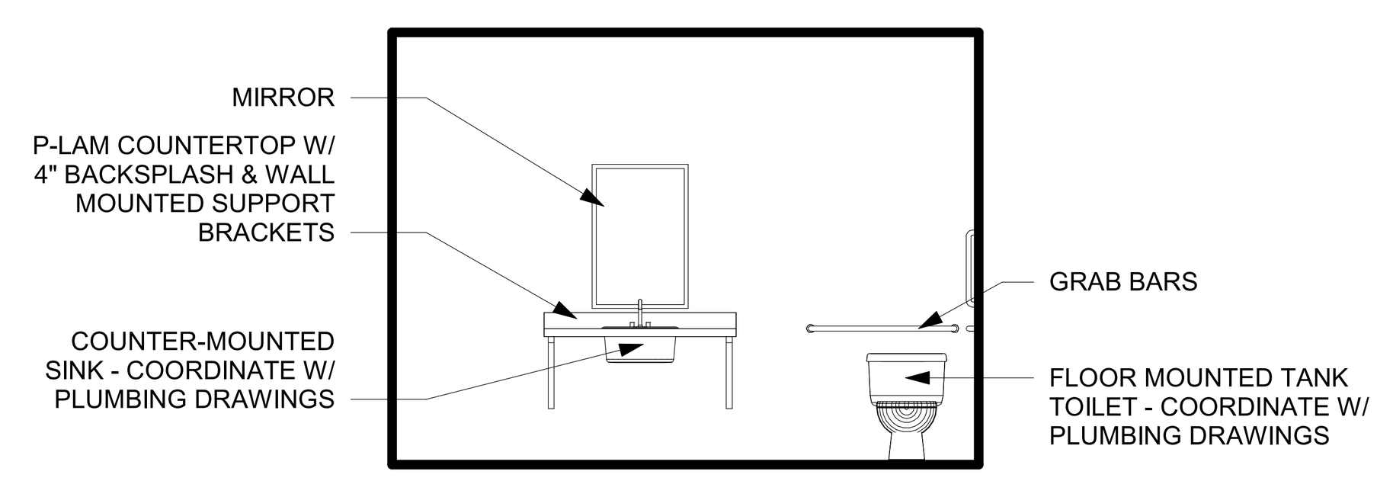
14 A501 CASEWORK EAST ELEVATION - OFFICE 230
1/4" = 1'-0"



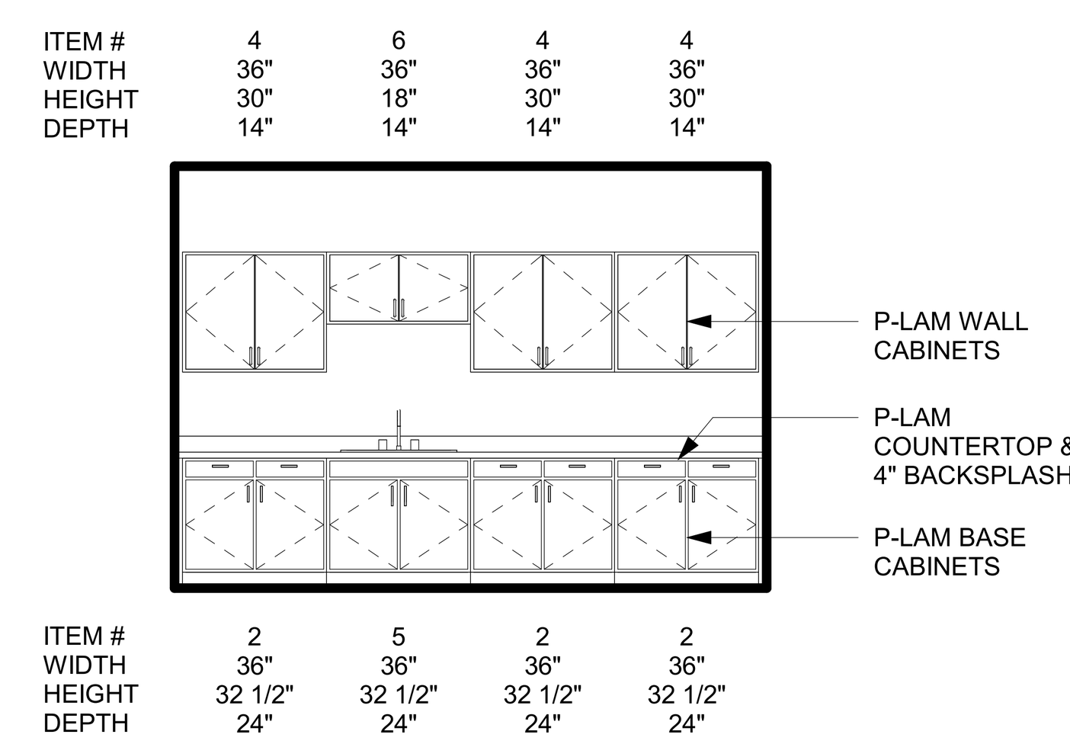
13 A501 CASEWORK NORTH ELEVATION - OFFICE 230
1/4" = 1'-0"



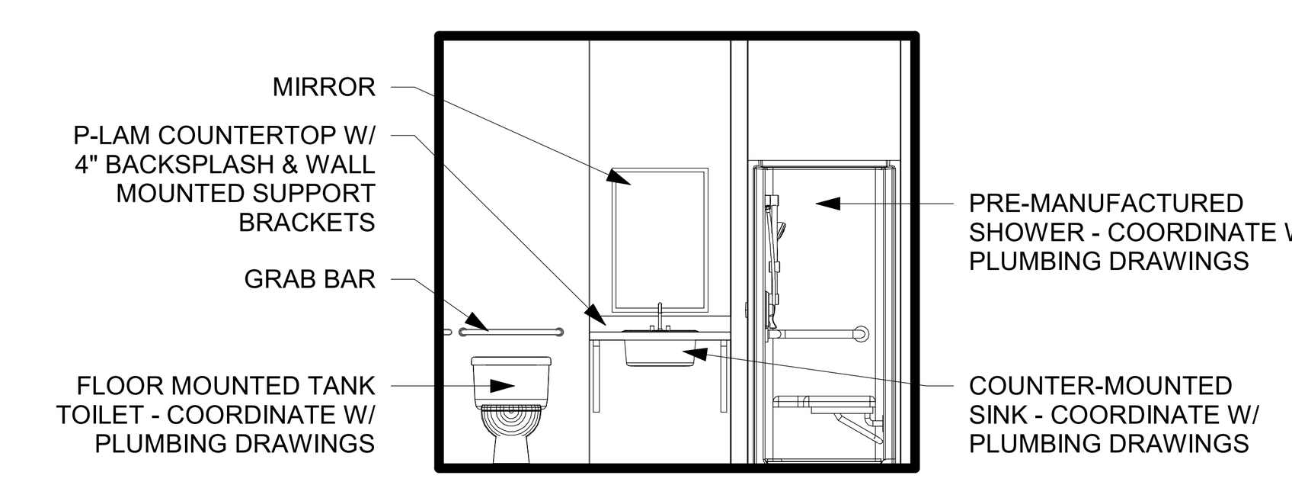
12 A501 SHOWER ELEVATION - TOILET 229
1/4" = 1'-0"



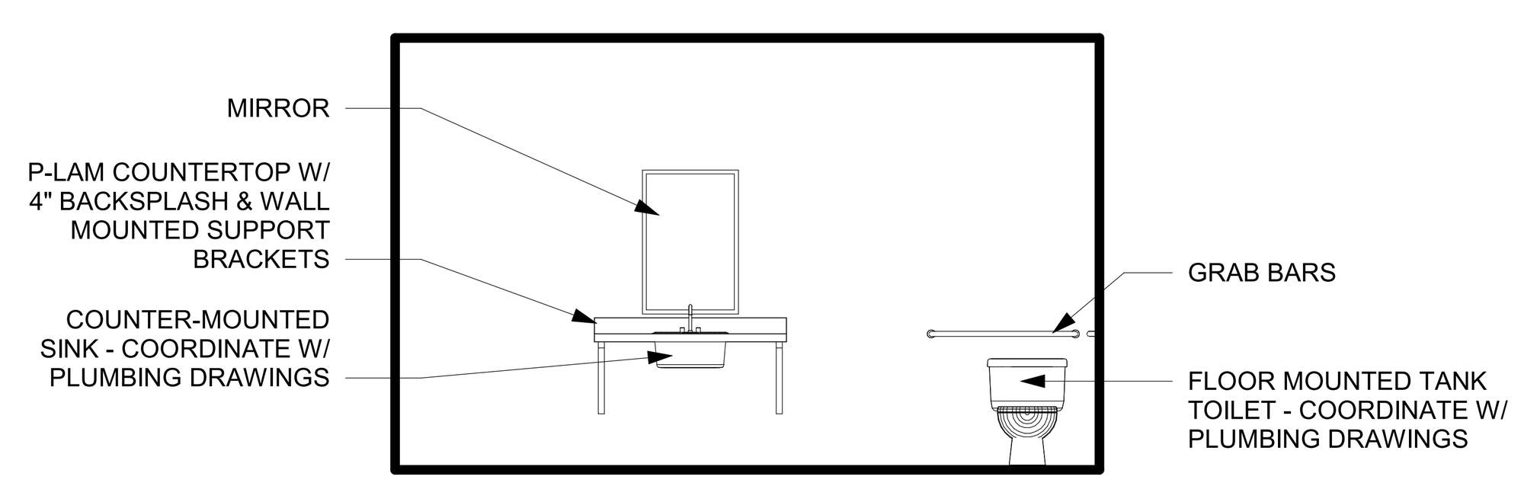
11 A501 CASEWORK ELEVATION - TOILET 228
1/4" = 1'-0"



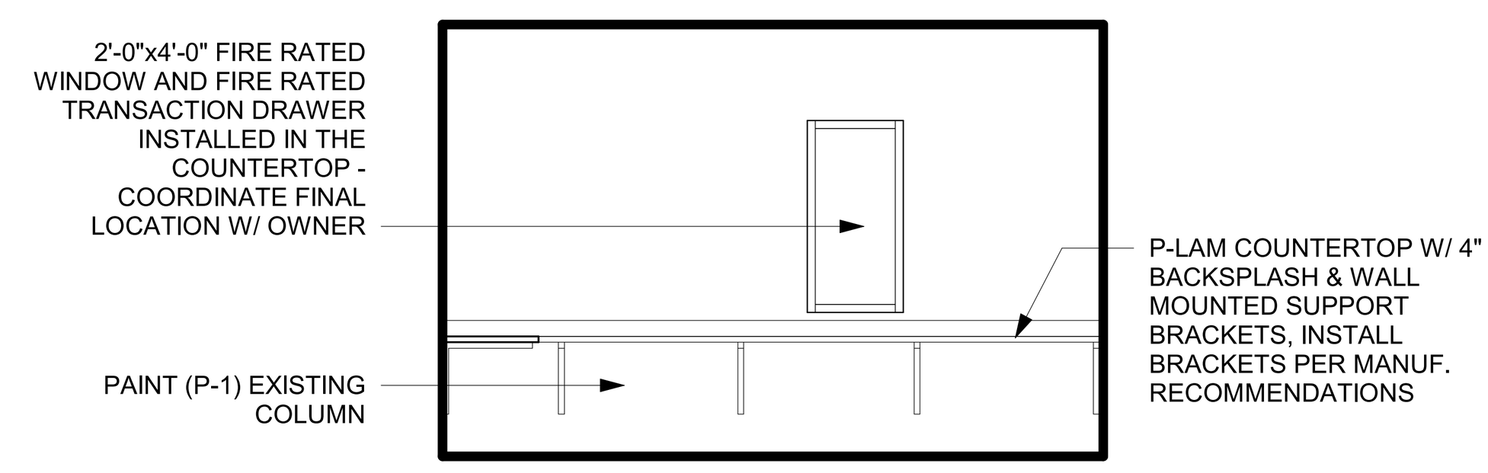
10 A501 CASEWORK ELEVATION - KITCHENETTE 215A
1/4" = 1'-0"



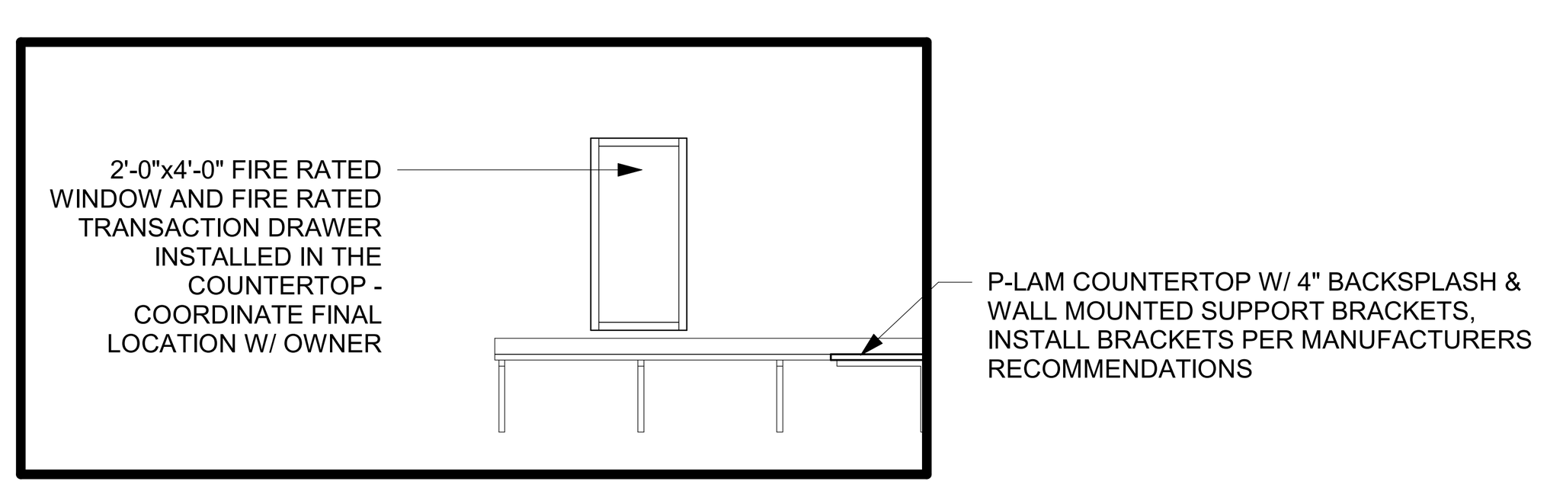
9 A501 CASEWORK ELEVATION - TOILET 141
1/4" = 1'-0"



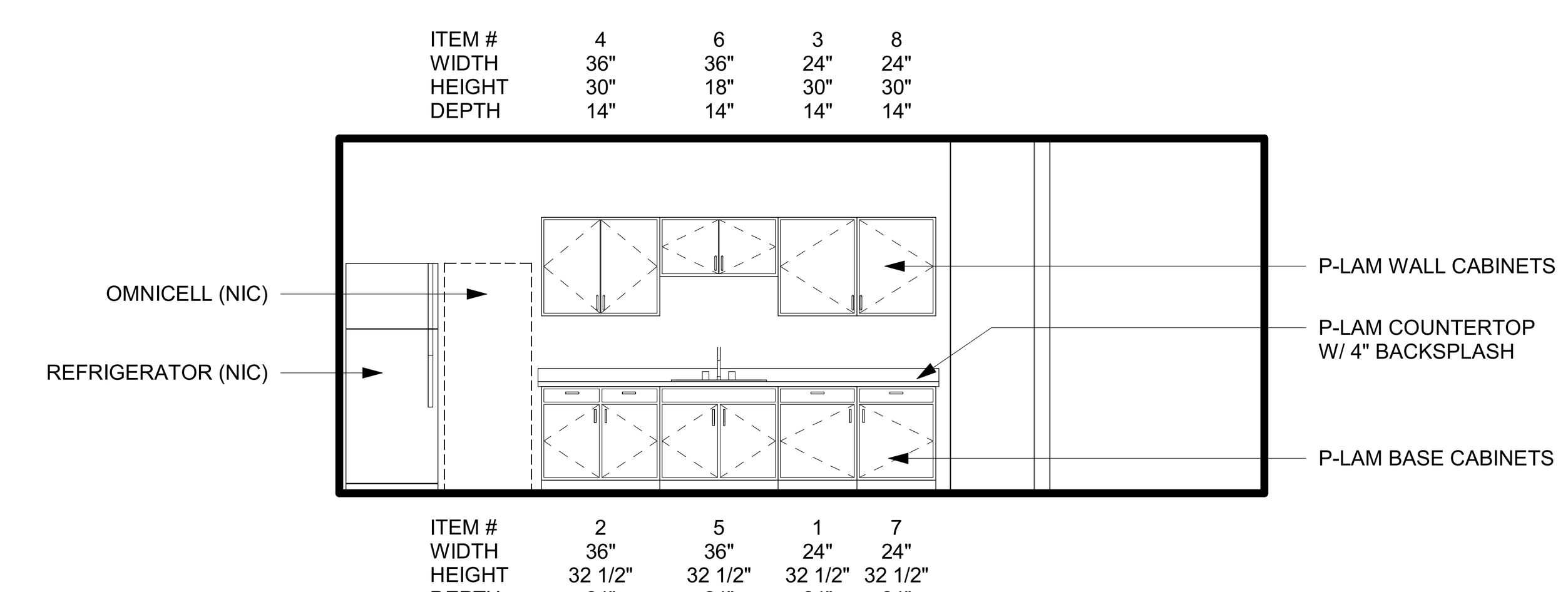
8 A501 CASEWORK ELEVATION - TOILET 140
1/4" = 1'-0"



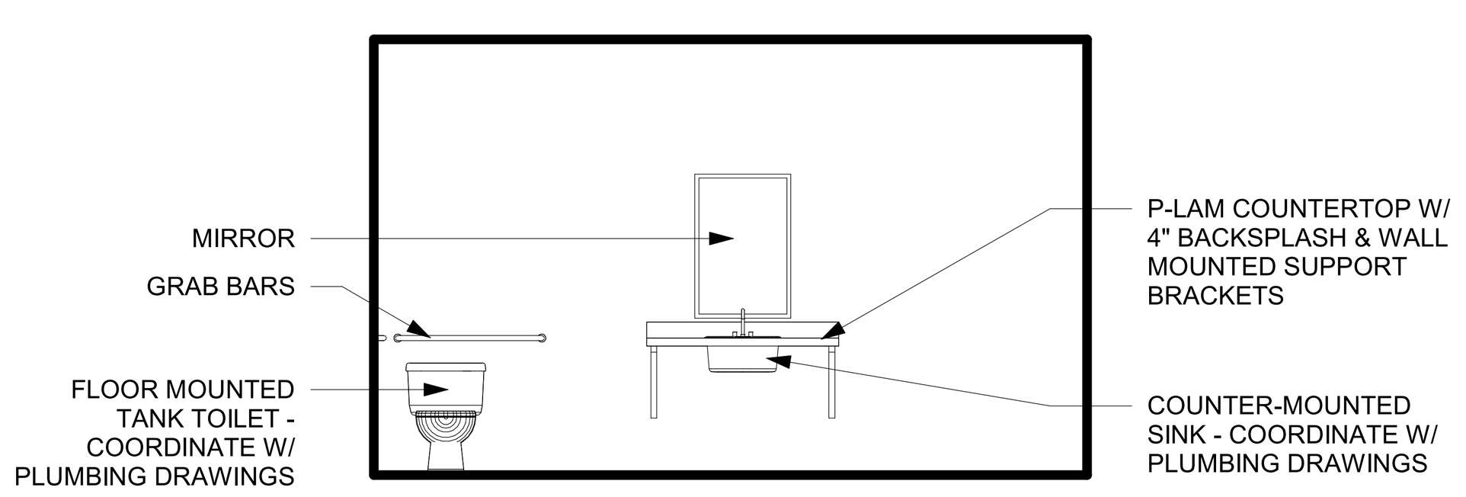
7 A501 CASEWORK EAST ELEVATION - CONTROL CENTER 123
1/4" = 1'-0"



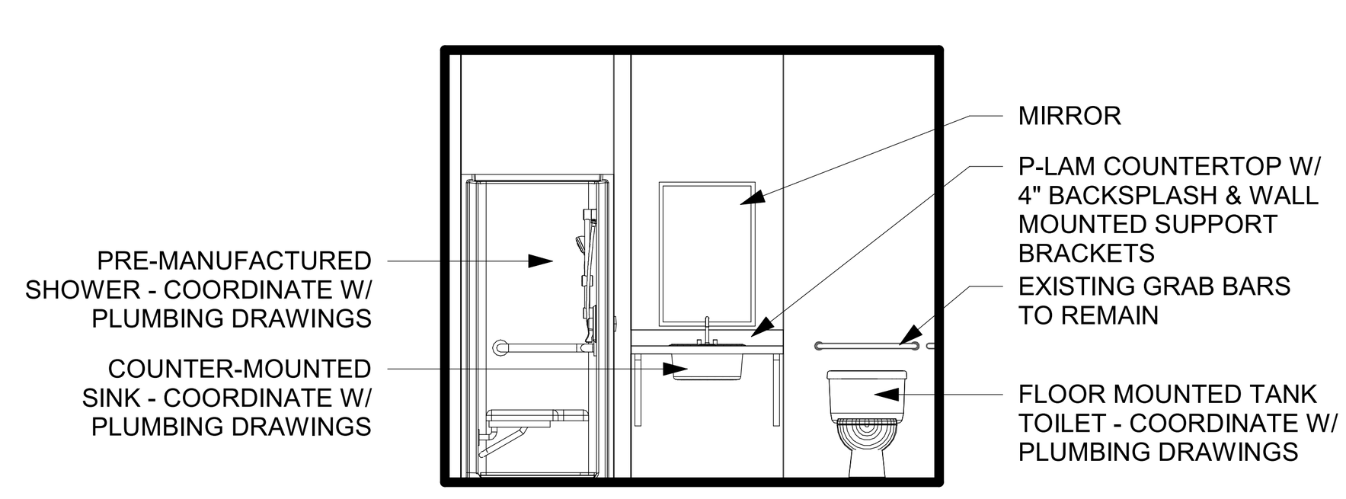
6 A501 CASEWORK NORTH ELEVATION - CONTROL CENTER 123
1/4" = 1'-0"



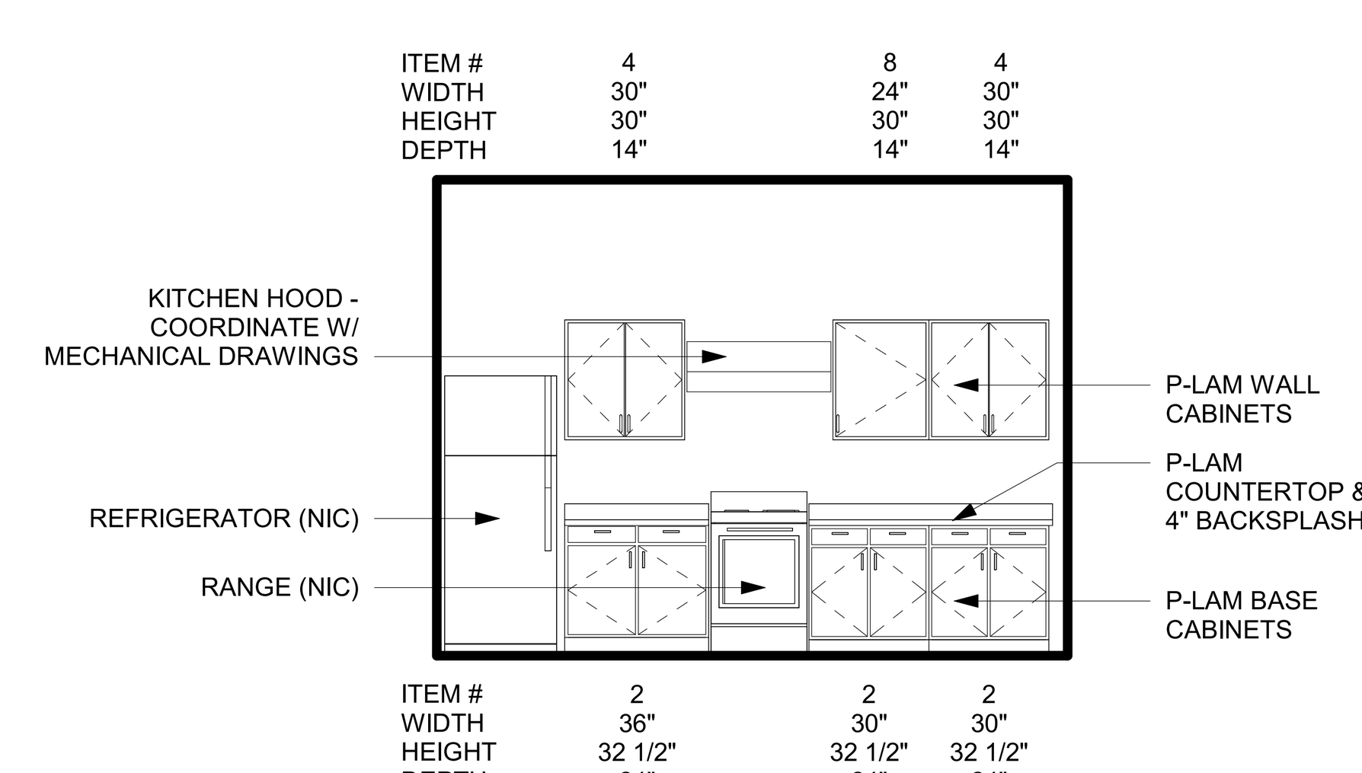
5 A501 CASEWORK ELEVATION - MED CLINIC 117
1/4" = 1'-0"



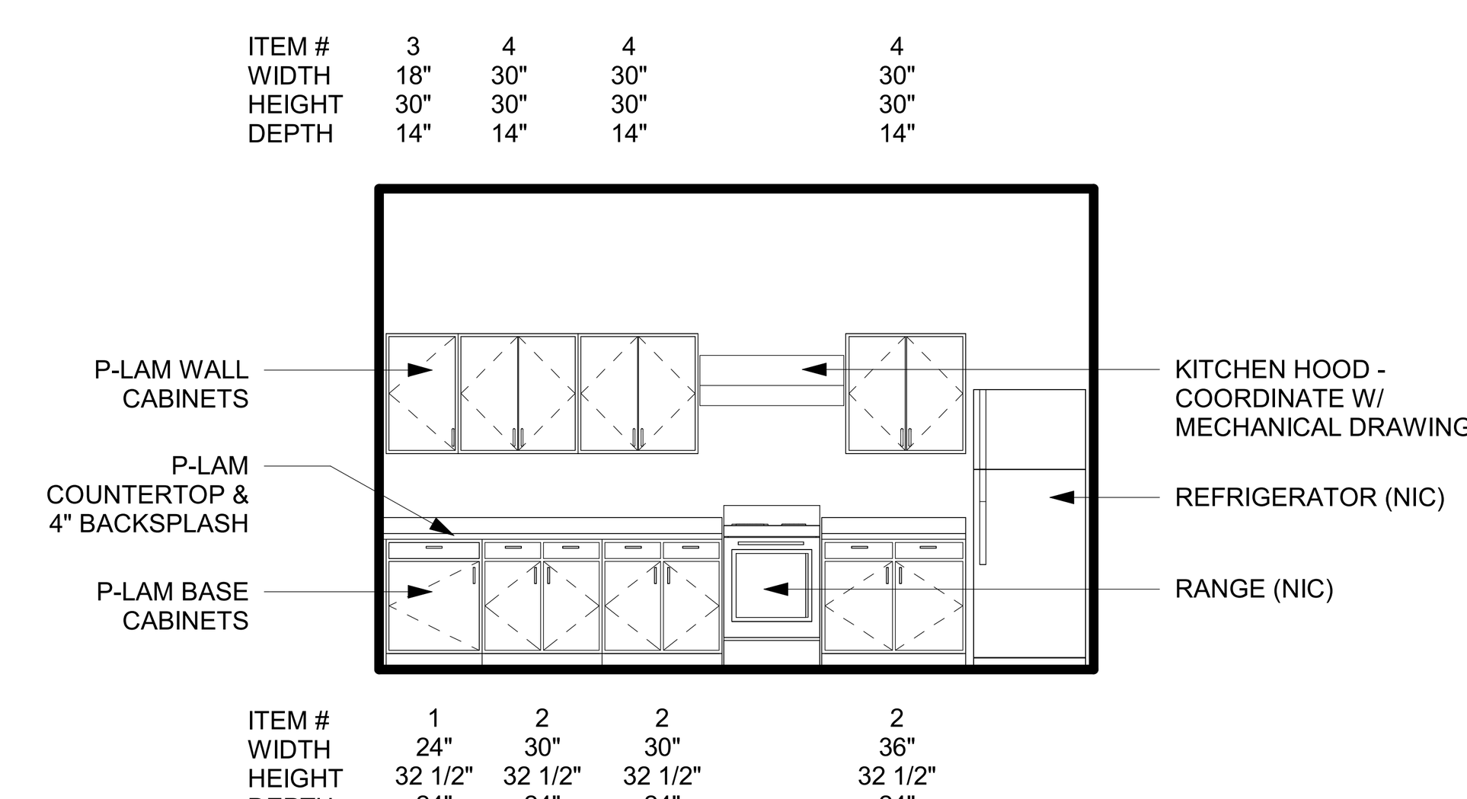
4 A501 CASEWORK ELEVATION - TOILET 108
1/4" = 1'-0"



3 A501 CASEWORK ELEVATION - TOILET 107
1/4" = 1'-0"



2 A501 CASEWORK ELEVATION - EXERCISE / REC ROOM O13
1/4" = 1'-0"



1 A501 CASEWORK ELEVATION - DINING AREA 002
1/4" = 1'-0"

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

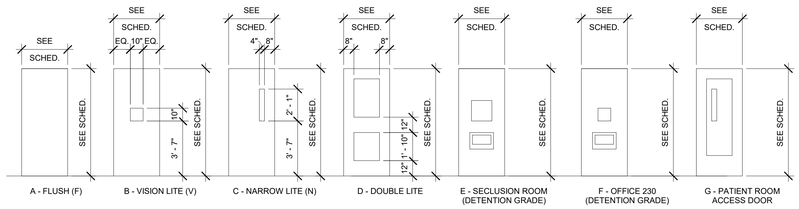
DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

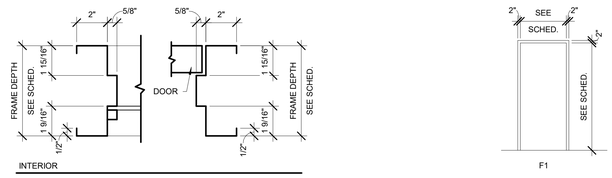
DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

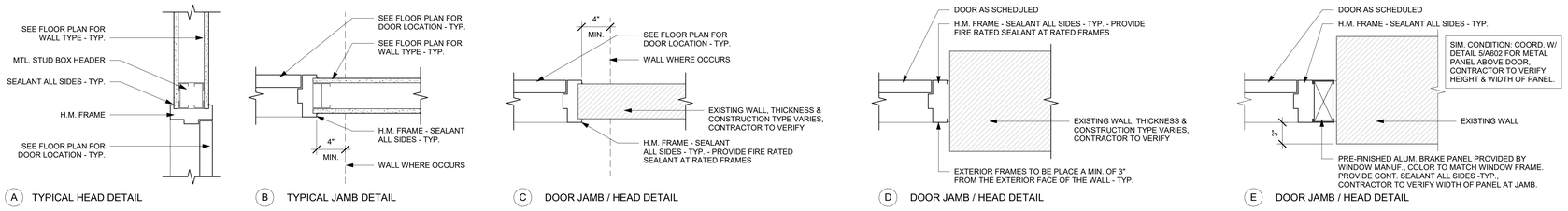
INTERIOR ELEVATIONS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A501







DOOR AND FRAME SCHEDULE - SECOND LEVEL

DOOR NO.	DOORS					FRAMES						HDWR TYPE	LABEL	REMARKS	GLAZING TYPE
	WIDTH	HEIGHT	TYPE	MAT.	FINISH	TYPE	DEPTH	MAT.	FINISH	HEAD	JAMB				
200	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	6"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
200A	3' - 3"	6' - 8"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	41	45	1	
202	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	6"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
203	3' - 3"	6' - 8"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
204	3' - 3"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
205	3' - 3"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
206	3' - 0"	6' - 8"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
207	3' - 4"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
208	6' - 0"	6' - 8"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	8		1, 2	
209	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
210A	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	16	45	1	FRG
210B	3' - 8"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
212	3' - 0"	6' - 8"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	42		1	
213	3' - 0"	7' - 0"	E	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	19	45	1, 5	FRG
214	3' - 0"	7' - 0"	E	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	19	45	1, 5	FRG
215	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
215A	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4A/A601	4C/A601	40			CTG
216	6' - 0"	6' - 8"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	8		1, 2	
217A	2' - 7"	6' - 8"	A	H.M. DOORS	P-3	F1	7"	H.M. FRAMES	P-3	4C/A601	4C/A601	29	45	1	
219	6' - 0"	6' - 8"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	6	45	1, 2	
220	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
221	3' - 3"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
221A	2' - 6"	6' - 8"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	35		1	
222	3' - 4"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
223	3' - 4"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
225	3' - 8"	6' - 8"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1	FRG
226	3' - 8"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1	FRG
227	3' - 4"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
228	3' - 0"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
229	3' - 0"	6' - 8"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
230	3' - 0"	6' - 8"	F	H.M. DOORS	P-3	F1	6 3/8"	H.M. FRAMES	P-3	4A/A601	4B/A601	26	45	1, 5	FRG
230A	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4A/A601	4B/A601	34			CTG
233	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	6"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
234	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
235	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
236	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
237	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
238	2' - 10"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
239	2' - 10"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
240	2' - 10"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23		1, 3	CTG
241	3' - 0"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
242	2' - 6"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	31	45	1	FRG
243	2' - 6"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	31	45	1	FRG
244	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
245	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
246	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
247	5' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	29	45	1, 2	
249	3' - 0"	6' - 8"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	31	45	1	FRG
250	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	31	45	1	FRG
251	3' - 0"	6' - 8"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
252	3' - 0"	6' - 8"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
253	3' - 0"	6' - 8"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
254	3' - 0"	6' - 8"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG

DOOR, FRAME, AND GLASS GENERAL NOTES

1. SEE DETAILS 2/A601 FOR TYPICAL FRAME DIMENSIONS AND PROFILE. WHEN HOLLOW METAL FRAMES WRAP GWB WALLS, THE THROAT DEPTH SHALL EQUAL THE THICKNESS OF THE DESIGNATED WALL TYPE SHOWN ON THE ARCHITECTURAL FLOOR PLAN.
2. ALL DOORS SHALL BE 1-3/4" THICK, U.N.O.
3. ALL FRAMES ARE TO BE VIEWED FROM THE EXTERIOR SIDE, U.N.O.
4. SEE DOOR AND FRAME SCHEDULE FOR ACTUAL DOOR SIZES. COORDINATE FRAME DIMENSIONS WITH DOOR SIZES.
5. COORDINATE LINTELS AT DOOR HEADS WITH STRUCTURAL WHERE REQ'D.
6. SEE SPECIFICATION SECTION 08800 FOR DESCRIPTION OF GLASS TYPES SHOWN ON DOOR AND FRAME SCHEDULE (I.E. 'CTG').
7. CONTRACTOR TO FIELD VERIFY ALL DOOR AND FRAME SIZES PRIOR TO ORDERING.
8. WHERE THE CEILING RUNS INTO THE TOP OF THE FRAME, THE FRAME SHALL BE KNEE BRACED AT 4'-0" O.C. AT THE HEAD OF THE FRAME TO THE STRUCTURE ABOVE FOR LATERAL STABILITY. KNEE BRACING SHALL BE INSTALLED WITH A MAXIMUM ANGLE (FROM THE HORIZONTAL) OF 45 DEGREES.
9. CAULK ALL JOINTS BETWEEN INTERSECTING FRAME MEMBERS THAT ARE NOT WELDED, WITH A PAINTABLE CAULK TO PROVIDE A SMOOTH AND UNIFORM APPEARANCE WHEN PAINTED.
10. THE PERIMETER OF ALL FRAMES SHALL BE CAULKED AT BOTH THE EXTERIOR AND INTERIOR FACES. PROVIDE CONTINUOUS BACKER ROD OR SHIM BLOCKING AS REQUIRED.
11. SET ALL EXTERIOR FRAMES AND THRESHOLDS IN A CONTINUOUS BEAD OF CAULK AT SILLS.
12. PROVIDE AND INSTALL THRU-WALL FLASHING AND WEEP HOLES ABOVE ALL EXTERIOR FRAME OPENINGS.
13 SEE 4/A601 FOR DETAILS LISTED IN THIS SCHEDULE, U.N.O.
14 CONTRACTOR TO ADJUST EXISTING DOOR / FRAME OPENINGS AS REQUIRED, AS NEW DOOR / FRAME SIZES MAY DIFFER FROM EXISTING DOOR / FRAME SIZES.

LEGEND - DOOR SCHEDULE

CTG	CLEAR TEMPERED GLAZING
CTIG	CLEAR TEMPERED INSULATED GLAZING
FRG	FIRE RATED GLAZING
HM	HOLLOW METAL
P	PAINT
REV	REVERSE
SIM	SIMILAR
U.N.O.	UNLESS NOTED OTHERWISE

DOOR AND FRAME SCHEDULE REMARKS:

1. FIELD VERIFY EXISTING WALL DEPTH AND CONSTRUCTION. ADJUST FRAME THICKNESS AS REQUIRED.
2. PAIR OF DOORS.
3. SPECIALTY DOOR - BEHAVIORAL HEALTHCARE FIRE RATED PATIENT ROOM ACCESS DOOR.
4. DETENTION GRADE DOOR, FRAME, HARDWARE, VISION LITE AND A MINIMUM FIRE RATING OF 45-MINUTES. THE GLAZING SHALL BE FIRE RATED.
5. DETENTION GRADE DOOR, FRAME, HARDWARE, VISION LITE, HANDCUFF / FOOD PORT AND A MINIMUM FIRE RATING OF 45-MINUTES. THE GLAZING SHALL BE FIRE RATED.
6. DETENTION GRADE DOOR, FRAME, HARDWARE, AND VISION LITE.
7. FRAME TO HAVE A 4" HEAD.

1 A601 DOOR TYPES

1/4" = 1'-0"

2 A601 TYP. HOLLOW METAL FRAME CONFIGURATIONS

3" = 1'-0"

3 A601 FRAME ELEVATIONS

1/4" = 1'-0"

A TYPICAL HEAD DETAIL

B TYPICAL JAMB DETAIL

C DOOR JAMB / HEAD DETAIL

D DOOR JAMB / HEAD DETAIL

E DOOR JAMB / HEAD DETAIL

4 A601 DOOR AND FRAME DETAILS

1 1/2" = 1'-0"

DOOR AND FRAME SCHEDULE - BASEMENT LEVEL

DOOR NO.	Width	DOORS				FRAMES						HDWR TYPE	LABEL	REMARKS	GLAZING TYPE
		HEIGHT	TYPE	MAT.	FINISH	TYPE	DEPTH	MAT.	FINISH	HEAD	JAMB				
001	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	14	60		FRG
002	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	7"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
003	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4A/A601	4B/A601	30	60		
004	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	13		1	CTG
005A	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	3C/A601	4C/A601	29	45	1	
006	3' - 2"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	9	45		
008	3' - 2"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	9	45		
009	3' - 2"	7' - 0"	B	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	22	45		FRG
012	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	10 5/8"	H.M. FRAMES	P-3	4C/A601	4C/A601	38		1	CTG
013A	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	6"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
013B	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	38		1	
013C	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	41		1	
013D	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	38		1	CTG
013E	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	36		1	CTG
014	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	14	60		FRG
015	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	7"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
016	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	32	45	1	FRG
017	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	32	45	1	FRG
018	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	21	45	1	FRG
021	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4A/A601	4B/A601	16	60		FRG
022	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	15	60		FRG
023	2' - 8"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	24	45		
024	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4A/A601	4B/A601	37			
025	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	24	45		
027A	3' - 4"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	26	60		FRG
028	2' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	8 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	24	45	1	
029A	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	12	60		FRG
030	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	26	60		FRG
033	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	24	45	1	
034	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4B/A601	33	45	1	
036	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	39		1	
037	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	39		1	
039	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	31		1	CTG

DOOR AND FRAME SCHEDULE - FIRST LEVEL

DOOR NO.	DOORS					FRAMES						HDWR TYPE	LABEL	REMARKS	GLAZING TYPE
	WIDTH	HEIGHT	TYPE	MAT.	FINISH	TYPE	DEPTH	MAT.	FINISH	HEAD	JAMB				
101	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	17	60		FRG
102	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	7"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
103	3' - 0"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
104	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
105	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	8 1/4"	H.M. FRAMES	P-3	4A/A601	4B/A601	16	45		FRG
106	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	4 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
107	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	31	45	1	FRG
108	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	8 1/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	32	45	1	FRG
109	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	7"	H.M. FRAMES	P-3	4C/A601	4C/A601	20	45	1	FRG
110	3' - 0"	7' - 0"	G	H.M. DOORS	P-3	F1	4 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
111	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
112	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
113	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
114	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
115	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
116	6' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	7	45	1	
117	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	27	45	4	FRG
119	2' - 7"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	29	45		
120	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	7"	H.M. FRAMES	P-3	4C/A601	3C/A601	15	45	1	FRG
120A	6' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	3C/A601	4C/A601	4	60	1, 2	FRG
120B	6' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	1		2, 4	CTIG
121	2' - 7"	7' - 0"	A	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	29	45		
122	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	21	45		FRG
125	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	6 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	37		1	
127	6' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	6	45	1	FRG
128	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
129	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
130	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
131	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
132	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
133	3' - 0"	7' - 0"	G	H.M. DOORS	P-3	F1	4 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
134	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	17	60		FRG
135	3' - 0"	7' - 0"	G	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	23	45	1, 3	FRG
136	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
137	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
138	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	18	45	1	FRG
140	3' - 8"	7' - 0"	B	H.M. DOORS	P-3	F1	8 1/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	32	45	1	FRG
141	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	31	45	1	FRG
143	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	26	45	1	FRG
145	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	25	45	1	FRG
146	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	25	45	1	FRG
147	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	25	45	1	FRG
148	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	24	45	1	FRG
149	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	24	45	1	FRG
150	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	9"	H.M. FRAMES	P-3	4C/A601	4C/A601	28	45	1	FRG
150A	3' - 0"	7' - 0"	D	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4E/A601 SIM.	4E/601	3			CTIG
151	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	24		1	CTG
152	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	24	45	1	
153	3' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	24	45	1	
154	3' - 4"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	25	45	1	
155	3' - 0"	7' - 0"	B	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	24	45	1	
156	6' - 0"	7' - 0"	A	H.M. DOORS	P-3	F1	5 1/2"	H.M. FRAMES	P-3	4C/A601	4C/A601	5	45	1, 2	

DOOR AND FRAME SCHEDULE - STAIRS AND ELEVATOR

DOOR NO.	DOORS					FRAMES						HDWR TYPE	LABEL	REMARKS	GLAZING TYPE
	WIDTH	HEIGHT	TYPE	MAT.	FINISH	TYPE	DEPTH	MAT.	FINISH	HEAD	JAMB				
E001	3' - 8"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4A/A601	4B/A601	16	60		FRG
E101	6' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	1/A403	1/A403 SIM.	1		2, 6, 7	CTIG
S1.0	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	11	60		FRG
S1.1	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	6 1/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	2		1, 6	CTIG
S1.2	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	14	60		FRG
S2.0	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	11	60		FRG
S2.1	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	6 1/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	2		1, 6	CTIG
S2.2	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	14	60		FRG
S3.1	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	7"	H.M. FRAMES	P-3	4C/A601	4C/A601	21	60	1	FRG
S3.1A	3' - 4"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	2		6	CTIG
S3.2	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	7"	H.M. FRAMES	P-3	4C/A601	4C/A601	16	60	1	FRG
S4.0	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4D/A601	4D/A601	2			CTIG
S4.1	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	10	60	1	FRG
S4.2	3' - 0"	7' - 0"	C	H.M. DOORS	P-3	F1	5 3/4"	H.M. FRAMES	P-3	4C/A601	4C/A601	14	60	1	FRG

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

DOOR & FRAME SCHEDULE, ELEVATIONS & DETAILS

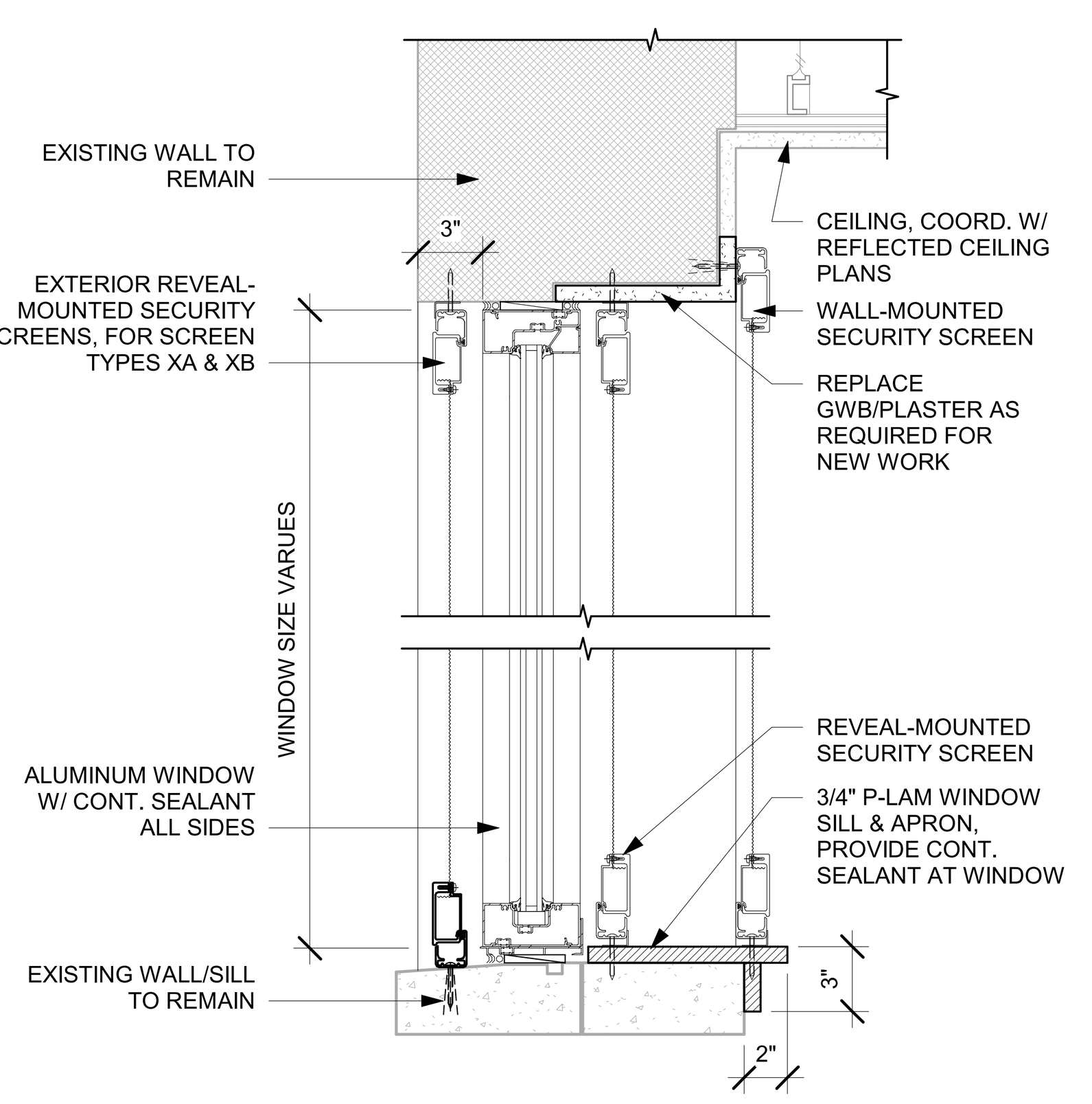
KPE ARCHITECTURE ENGINEERING FORENSICS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

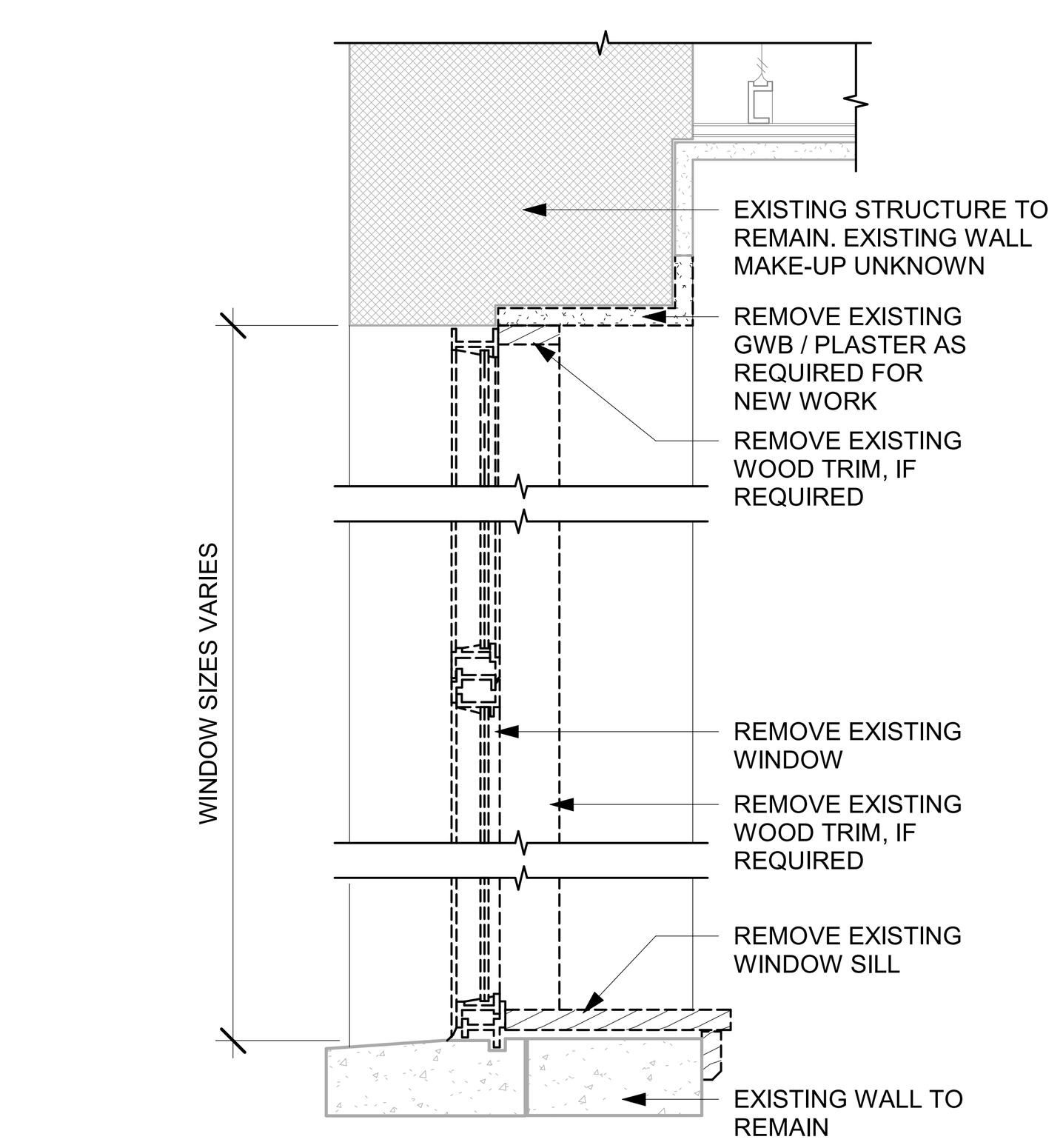
DATE:
09-01-2023

JOB NUMBER:
257-014

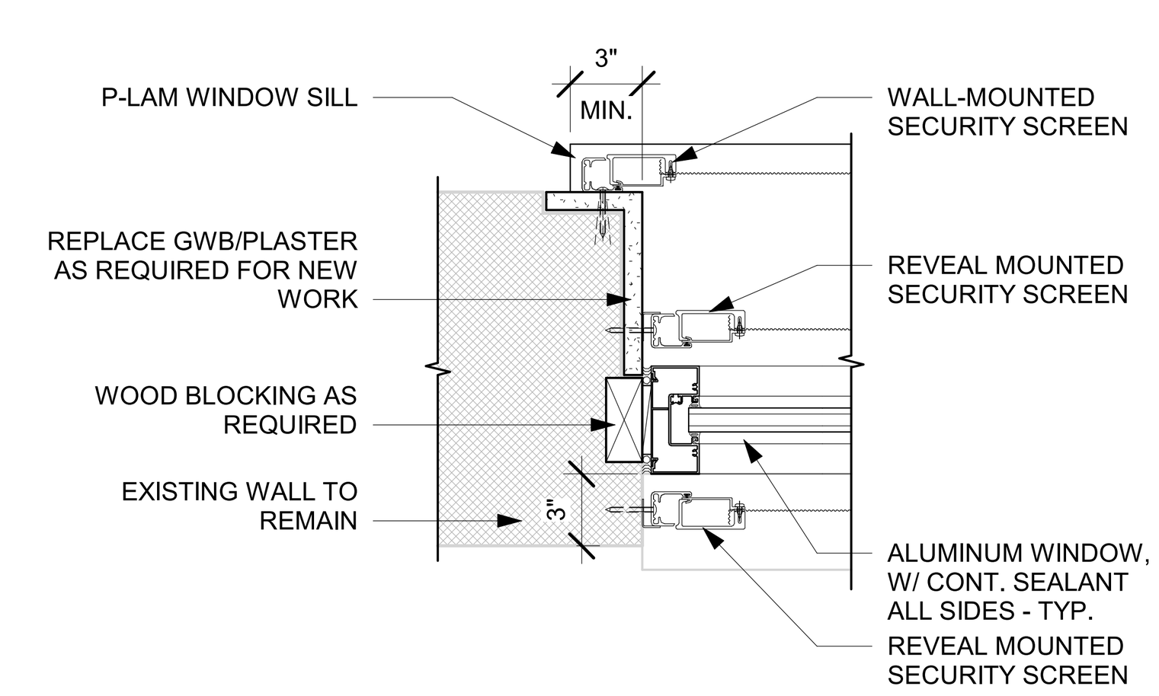
SHEET:
A601



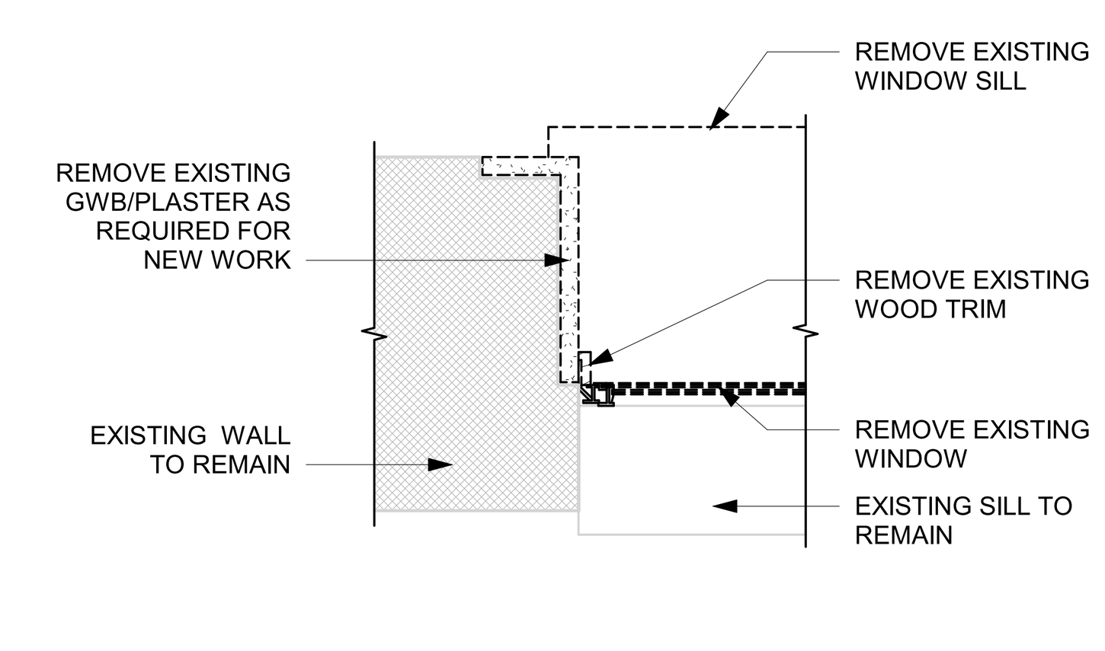
9 A602 TYP. WINDOW SECTION
1 1/2" = 1'-0"



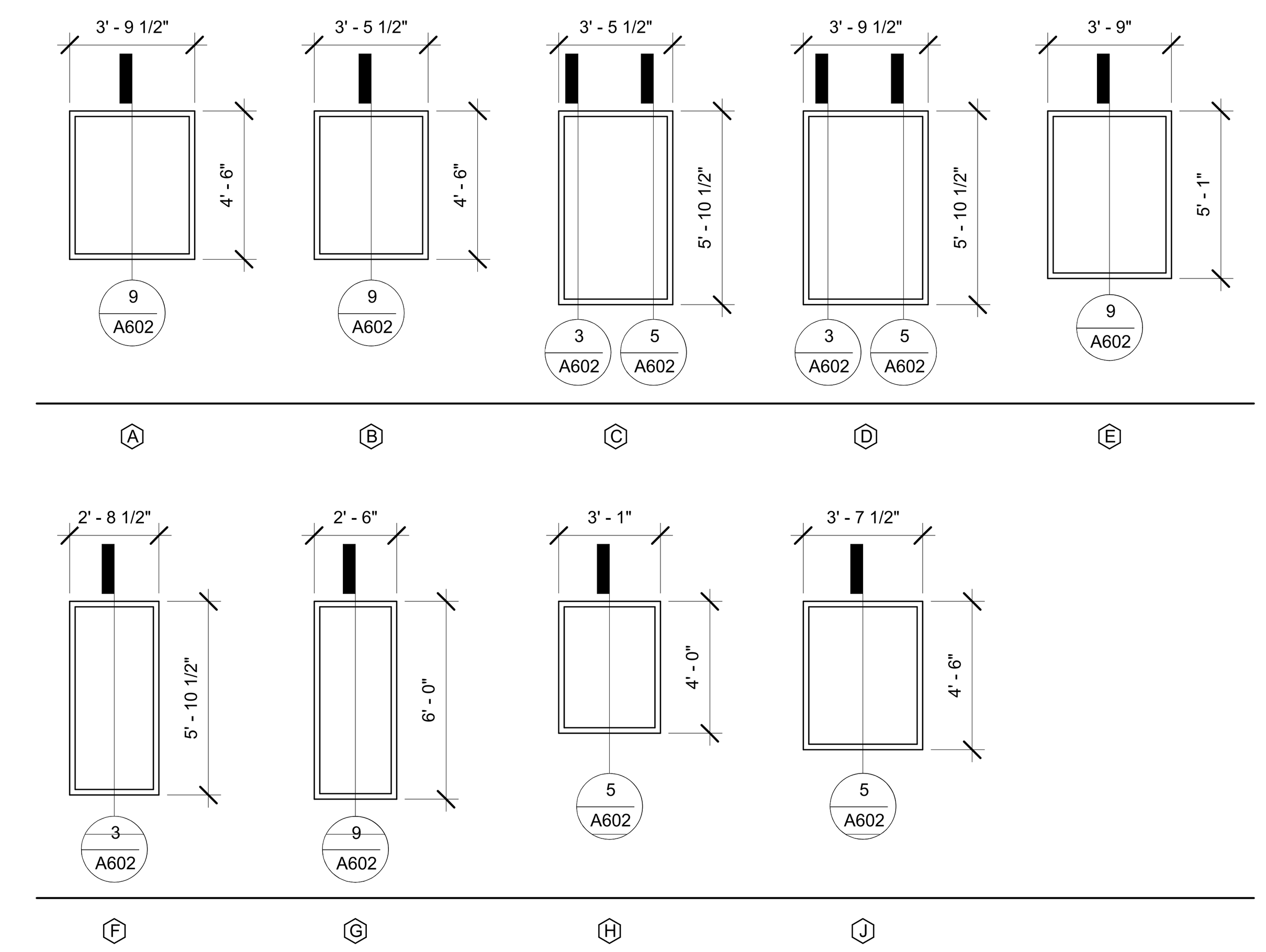
8 A602 TYP. WINDOW SECTION
1 1/2" = 1'-0"

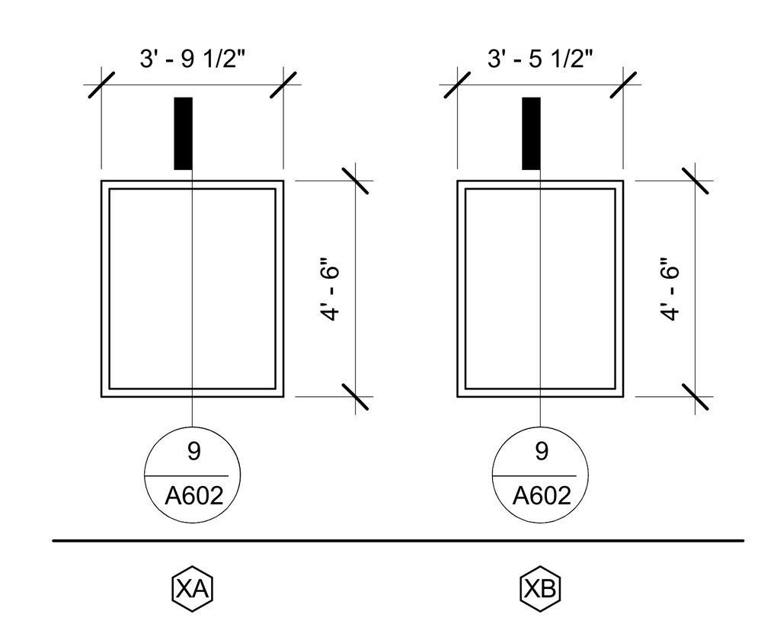


7 A602 TYP. WINDOW JAMB DETAIL
1 1/2" = 1'-0"



6 A602 TYP. WINDOW JAMB DETAIL
1 1/2" = 1'-0"





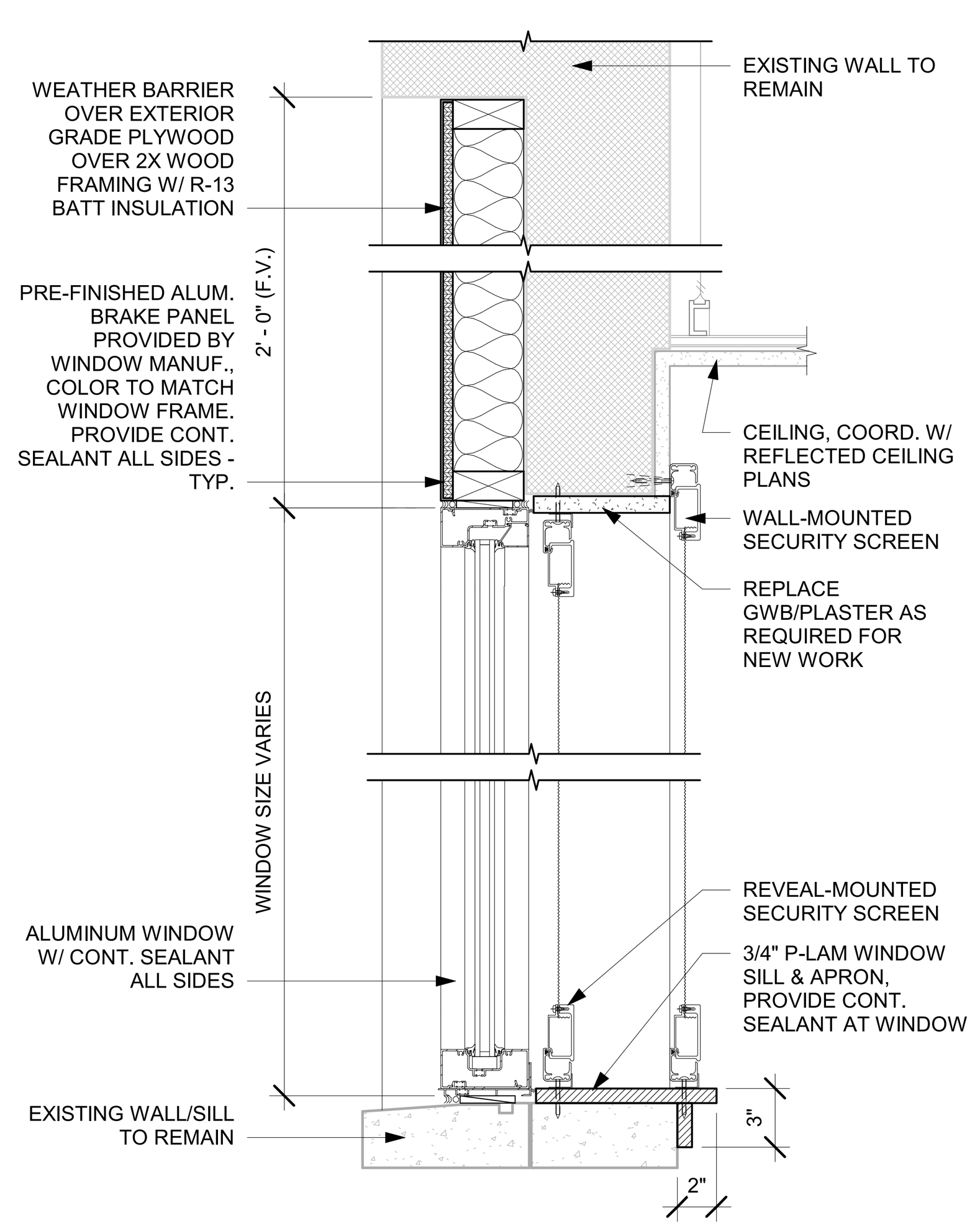
GENERAL NOTE:

1. WINDOWS TO BE PRE-FINISHED THERMALLY BROKEN / ENHANCED ALUMINUM WITH 1" TINTED INSULATED LAMINATED SAFETY GLASS WITH A LOW-E COATING.

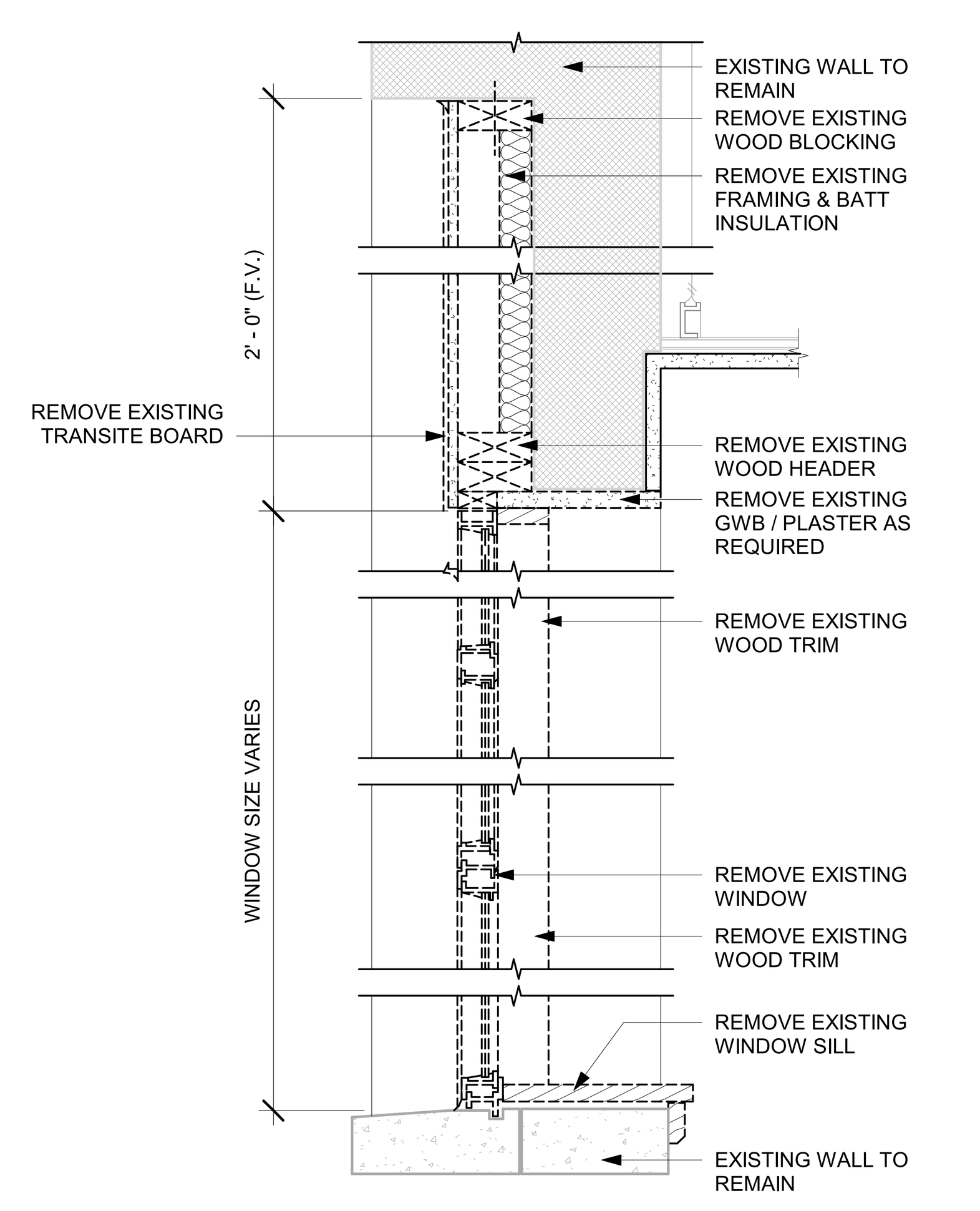
BASIS OF DESIGN: KAWNEER TRIFAB 451T OR APPROVED EQUAL.

2. JAMB DETAILS ARE TYPICAL FOR ALL WINDOWS.

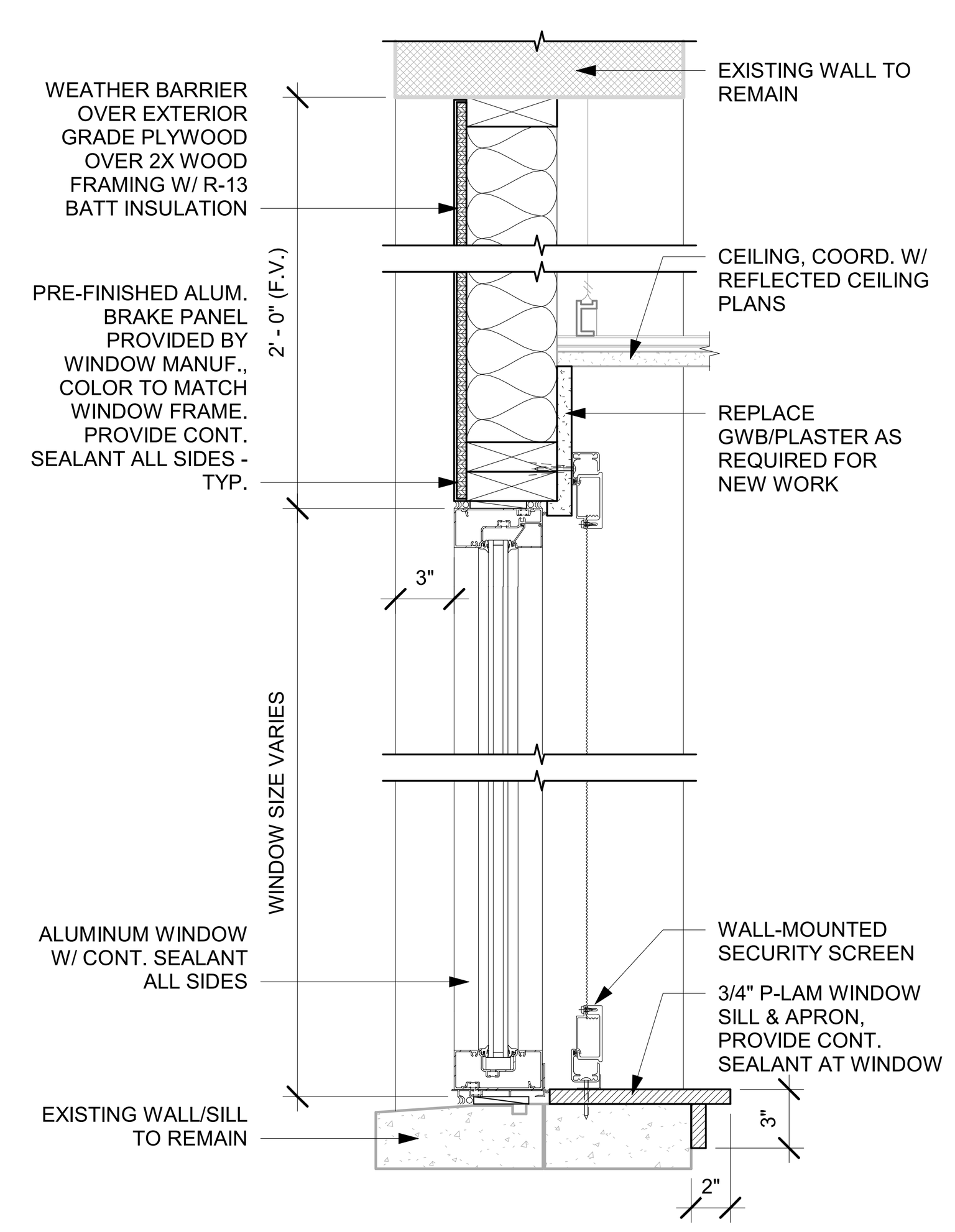
10 A602 ALUMINUM WINDOW FRAME ELEVATIONS
1/4" = 1'-0"



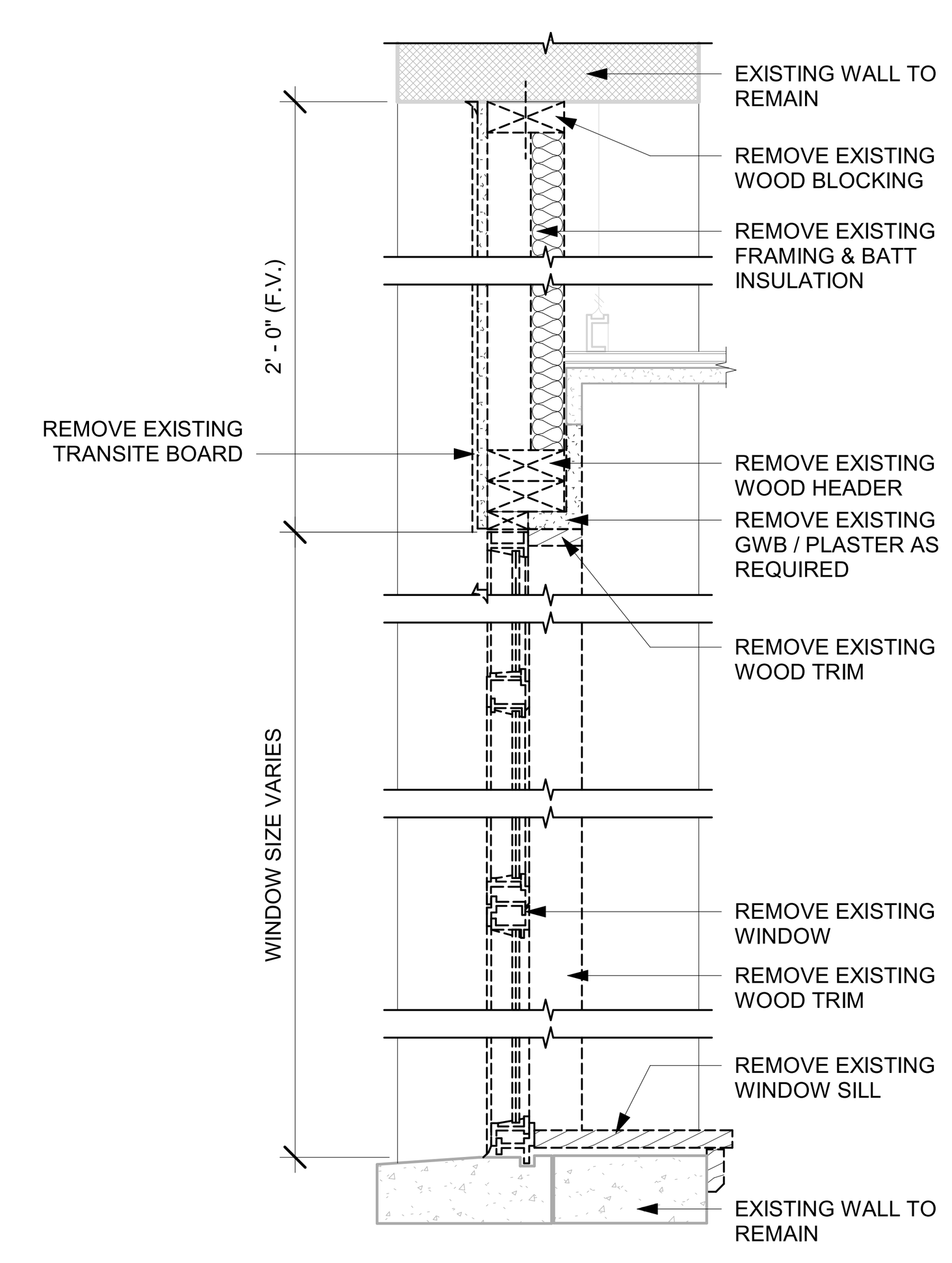
5 A602 TYP. WINDOW & PANEL SECTION
1 1/2" = 1'-0"



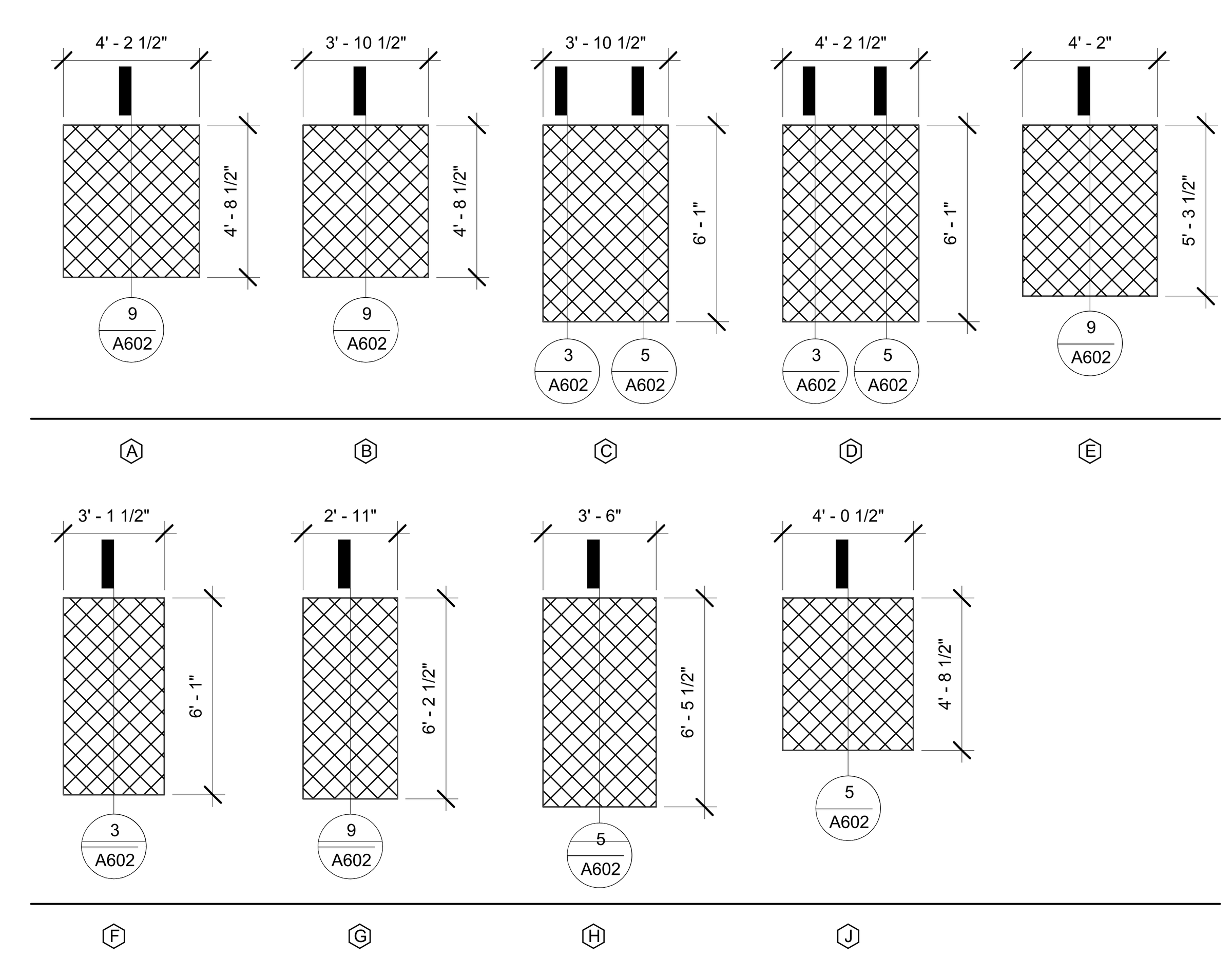
4 A602 TYP. WINDOW & PANEL SECTION
1 1/2" = 1'-0"

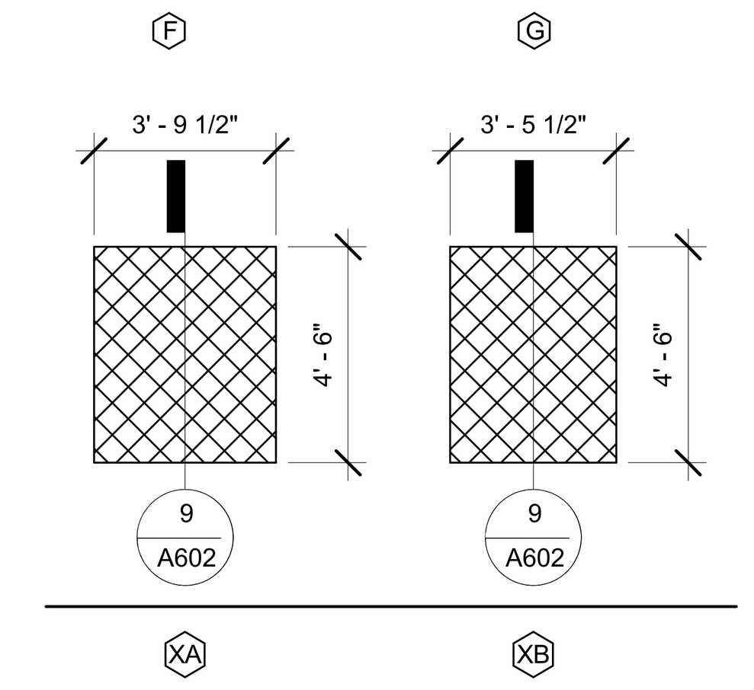


3 A602 TYP. WINDOW & PANEL SECTION
1 1/2" = 1'-0"



2 A602 TYP. WINDOW & PANEL SECTION
1 1/2" = 1'-0"





GENERAL NOTE:

1. SECURITY SCREENS TO BE OPERABLE ALUMINUM AND MEET LEVEL 6 DETENTION SECURITY REQUIREMENTS. THE SCREEN SHALL HAVE 10 MESH .047" DIA. STAINLESS STEEL WOVEN WIRE CLOTH, 107 BITT KEY LOCKS, STANDARD INSTALLATION SCRIBE ANGLES (WHERE REQUIRED), MULLIONS (WHERE REQUIRED), WITH PAINTED BLACK INFILL, WITH A BAKED POLYESTER POWDER FINISH IN ONE OF THE MANUFACTURER'S STANDARD COLORS.

2. SECURITY SCREENS XA & XB WILL BE EXTERIOR REVEAL MOUNTED AND ALL OTHER SCREENS WILL BE INTERIOR AND A COMBINATION OF SURFACE MOUNTED AND REVEAL MOUNTED. CONTRACTOR TO VERIFY INSTALLATION METHOD OF ALL SCREENS AND INCLUDE THAT ON THE SHOP DRAWINGS.

BASIS OF DESIGN: KANE INNOVATIONS - ALUMINUM VAN-GUARD SECURITY SCREEN MODEL: A-VNG-O OR APPROVED EQUAL .

3. JAMB DETAILS ARE TYPICAL FOR ALL SECURITY SCREENS.

1 A602 SECURITY SCREEN ELEVATIONS
1/4" = 1'-0"

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: MJM
DESIGNED: MJM
CHECKED: MJM
PROJ. MNGR: MJM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

WINDOW FRAME ELEVATIONS & DETAILS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: A602

ROOM FINISH SCHEDULE - BASEMENT LEVEL

ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CLG MATERIAL	REMARKS
				NORTH	EAST	SOUTH	WEST		
001	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
002	DINNING AREA	EXIST.	EXIST. / VB-1	P-1	P-1	P-1	P-1	EXP.	1, 2
002A	KITCHENETTE	EXIST.	EXIST. / VB-1	P-1	P-1	P-1	P-1	EXP.	1, 2
003	ELEVATOR EQUIPMENT	EXIST.	EXIST. / VB-1	P-1	P-1	P-1	P-1	EXP.	1
004	UTILITY	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
005	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
005A	CLOSET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
006	ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
007	ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
008	ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
009	GROUP ROOM	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. ATC / ATC	10
011	ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	3
012	OFFICE	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. ATC	
013	EXERCISE / REC ROOM	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXP.	2
013A	KITCHENETTE	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXP.	2
013B	STOR.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	3
013C	MECH	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
013D	OFFICE	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXP.	2
013E	OFFICE/GROUP ROOM	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXP.	2
014	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
015	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
016	TOILET	EXIST.	EXIST.	EP-1	EP-1	EP-1	EP-1	EXIST. ATC	
017	TOILET	EXIST.	EXIST.	EP-1	EP-1	EP-1	EP-1	EXIST. ATC	
018	LAUNDRY	EXIST.	EXIST.	EP-1	EP-1	EP-1	EP-1	EXIST. ATC	
021	SECURE VESTIBULE	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
022	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
023	STOR.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	GWB	2
024	IT EQUIPMENT	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXP.	2
025	RECORD STORAGE	EXIST.	EXIST. / VB-1	EXIST. / P-1	EXIST.	EXIST.	EXIST.	EXP.	1, 3, 4
026	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
026A	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
027	STORAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC	3
028	STORAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
029	HALL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
030	TUNNEL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
031	TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC	3
033	STORAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC	3
034	TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC	3
036	MECHANICAL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
037	FIRE RISER	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
038	ELEVATOR EQUIPMENT	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
039	TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC	3

ROOM FINISH SCHEDULE - FIRST LEVEL

ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CLG MATERIAL	REMARKS
				NORTH	EAST	SOUTH	WEST		
101	CORRIDOR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
102	CORRIDOR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
103	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
104	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
105	LOBBY	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
106	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2, 5
107	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
108	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
109	CORRIDOR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
110	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
111	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
112	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
113	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
114	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
115	BEDROOM	EXIST.	EXIST.	EXIST.	P-1	P-1	P-1	EXIST. GWB	2, 7
116	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
117	MED CLINIC	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
117A	CLOSET	VCT-1	VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	3
119	STOR.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	3
120	CORR.	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
120A	HALL	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
120B	VEST.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. ATC	
121	STOR.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	3
122	GROUP ROOM	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
122A	CLOSET	CPT-1	VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	3
123	CONTROL CENTER	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
125	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
127	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	3
128	BEDROOM	EXIST.	EXIST.	EXIST.	P-1	P-1	P-1	EXIST. GWB	2, 7
129	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
130	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
131	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
132	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
133	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
134	CORRIDOR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
135	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
136	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
137	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
138	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2, 5
140	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
141	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
142	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
142A	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
142B	HALL	VCT-1	VB-1	EXIST.	P-1	P-1	EXIST.	ATC	7
143	CONTROL CENTER	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
145	OFFICE	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
146	OFFICE	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
147	OFFICE	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
148	OFFICE	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
148A	CLOSET	CPT-1	VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	
149	OFFICE	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
149A	CLOSET	CPT-1	VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	
150	RECEPTION	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. ATC	
151	CONF. ROOM	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. ATC	
152	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
153	JAN	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC	3
154	CONF. ROOM	CPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
155	KITCHENETTE	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB	2
156	MECHANICAL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3

ROOM FINISH SCHEDULE - SECOND LEVEL

ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CLG MATERIAL	REMARKS
				NORTH	EAST	SOUTH	WEST		
200	CORRIDOR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
200A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
201	CORR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
202	CORRIDOR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
202A	CORRIDOR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
203	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
204	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
205	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
206	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
207	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2, 9
208	MECH	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
209	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
210A	LOBBY	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
210B	DAY ROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
211	HALL	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
212	STORAGE	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
213	SECLUSION	EXIST.	EXIST.	FRP / P-1	FRP / P-1	FRP / P-1	FRP / P-1	EXIST. GWB	2, 8
214	SECLUSION	EXIST.	EXIST.	FRP / P-1	FRP / P-1	FRP / P-1	FRP / P-1	EXIST. GWB	2, 8
215	DAY ROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
215A	KITCHENETTE	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	11
216	IT/ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
217	CORRIDOR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
217A	STOR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
219	MECH	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
220	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
221	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
221A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
222	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
223	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
225	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
226	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
227	LAUNDRY	EXIST.	EXIST.	EP-1	EP-1	EP-1	EP-1	EXIST. GWB	2, 5
228	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
229	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
230	OFFICE	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
230A	MED ROOM	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
233	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
233A	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
233B	HALL	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
234	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
235	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
236	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
237	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
238	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
238A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
239	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
239A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
240	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
240A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
241	DAY ROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC	
242	TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB	3
243	TOILET	EXIST.	EXIST.	EXIST.	P-1	P-1	P-1	GWB	2
244	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
245	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
246	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB	2
247	MECH	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.	3
249	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
250	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB	2
251	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
252	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2, 9
253	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
254	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2

ROOM FINISH SCHEDULE - ELEVATOR

ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CLG MATERIAL	REMARKS
				NORTH	EAST	SOUTH	WEST		
E001	LOBBY	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
E002	LOBBY	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
E101	LOBBY	WCPT-1	VB-1	P-1	P-1	P-1	P-1	GWB	2, 6
E102	LOBBY	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	
E201	LOBBY	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC	

ROOM FINISH SCHEDULE - STAIRS

ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CLG MATERIAL	REMARKS
				NORTH	EAST	SOUTH	WEST		
1.0	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	-	
1.1	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	-	
1.2	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
2.0	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	-	
2.1	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	-	
2.2	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
3.0	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	-	
3.1	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	-	
3.2	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2
4.0	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	-	
4.1	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	-	
4.2	STAIR	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB	2

ROOM FINISH SCHEDULE ABBREVIATIONS:

ATC	ACOUSTIC TILE CEILING
CONC.	CONCRETE
CPT	CARPET
EP	EPOXY PAINT
EXIST.	EXISTING
EXP.	EXPOSED
GWB	GYPSUM WALL BOARD
P	PAINT
TERR.	TERRAZZO
VB	VINYL BASE
VCT	VINYL COMPOSITE TILE
WCPT	WALK-OFF CARPET

ROOM FINISH SCHEDULE REMARKS:

1. VINYL BASE ON NEW WALLS.
2. PAINT GWB CEILING P-2.
3. NO WORK TO BE DONE.
4. PAINT NEW WALLS.
5. ADJUST EXISTING CEILING FOR NEW WORK.
6. WALK-OFF CARPET.
7. EXISTING WALL IS GLAZED BLOCK.
8. EXISTING FRP TO APPROXIMATELY 8'--0" A.F.F., PAINT WALL ABOVE FRP.
9. EXCESSIVE WATER DAMAGE TO A WALL OR WALLS IN THIS ROOM, CONTRACTOR TO PREP WALL TO RECIEVE NEW PAINT FINISH.
10. REPLACE PORTION OF EXISTING ACOUSTICAL TILE CEILING AS REQUIRED FOR NEW WORK. COORDINATE WITH MECHANICAL DRAWINGS.
11. PATCH HOLE IN EXISTING DRYWALL WALL ABOVE CEILING.

PAINT (BASIS OF DESIGN: SHERWIN WILLIANS):

P-1: CHEROKEE OFF WHITE 519 MATCH (WALLS)
(CUSTOM MANUAL MATCH)
FINISH: EG-SHEL

P-2: EXTRA WHITE (CEILINGS)
(SW 7006)
FINISH: MATT

P-3: MANUAL BROWN
(CUSTOM MANUAL MATCH)
FINISH: EG-SHEL

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

NO.	DESCRIPTION	BY	DATE
0	BID SET	KPE	09-01-2023

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

ROOM FINISH SCHEDULES

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: A603

GENERAL

1. ALL ELEVATIONS REFERENCED TO FINISHED FIRST FLOOR (+0'-0")

2. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS PRIOR TO COMMENCING FABRICATION OR CONSTRUCTION.

3. ALL OF THE WORK TO BE DONE UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS, THE GENERAL REQUIREMENTS OF DIVISION ONE, THE GENERAL CONDITIONS, THE SPECIFICATIONS, AND ANY ADDENDA THERETO.

4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUAINT THEMSELVES AND ALL SUPERVISORY PERSONNEL WITH THE CONTRACT DRAWINGS AND DOCUMENTS.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING THE SITE OF THE PROPOSED WORK TO SATISFY THEMSELVES AS TO THE EXISTING CONDITIONS RELATIVE TO THE CONTRACT.

6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY SHORING/BRACING OF COLUMNS, BEAMS, JOISTS, ETC., AS REQUIRED BY ALL FEDERAL, STATE AND LOCAL AGENCIES HAVING JURISDICTION, UNTIL ALL PERMANENT FRAMING IS INSTALLED.

7. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. SHOULD ANY UTILITIES BE FOUND DIFFERENT THAN LOCATED, THEY SHALL BE PROTECTED IN PLACE AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

8. ALL CONSTRUCTION SHALL CONFORM TO INTERNATIONAL BUILDING CODE 2015 UNLESS NOTED OTHERWISE.

DESIGN LOADS:

RAMP LIVE LOAD: 100 PSF

ELEVATOR ADDITION FLOOR LIVE LOAD: 100 PSF

ELEVATOR ADDITION ROOF LIVE LOAD: 20 PSF

SNOW: SNOW DRIFT PER IBC 2015
Pg = 35 PSF
Is = 1.00
Ce = 0.90
Ct = 1.00

WIND: BASIC WIND SPEED (3-second gust) = 115 MPH
Iw = 1.00
OCCUPANCY CATEGORY II
EXPOSURE C
GCpi = +/- 0.18
COMPONENTS AND CLADDING PER IBC 2015

SEISMIC: SITE CLASS D
Ie = 1.00
OCCUPANCY CATEGORY II
Ss = 0.065 SMs = 0.104 SDs = 0.07
S1 = 0.039 SM1 = 0.094 SD1 = 0.063
SEISMIC DESIGN CATEGORY A

9. IF CONFLICTS ARE FOUND BETWEEN DETAILS OR DIMENSIONS SHOWN ON STRUCTURAL PLANS AND THOSE SHOWN ON ARCHITECTURAL OR OTHER DISCIPLINES' PLANS, NOTIFY ARCHITECT AND ENGINEER IMMEDIATELY FOR CLARIFICATION PRIOR TO PERFORMING WORK.

10. IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL MAKE NO DEVIATION FROM DESIGN DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

DEMOLITION AND REMODELING

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO ENSURE THAT PARTS OF THE STRUCTURE TO BE PRESERVED ARE NOT DAMAGED BY THE APPLICATION OF EXCESSIVE LOADS OR BY ANY OTHER MEANS, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE CAUSED.

2. ENSURE SAFE PASSAGE OF PERSONS AROUND AREA OF DEMOLITION AND CONSTRUCTION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT BUILDINGS, STRUCTURES, EQUIPMENT AND OTHER FACILITIES AND PERSONS.

3. EXISTING STRUCTURE SHALL BE TEMPORARILY SHORED AS REQUIRED TO PERFORM CONSTRUCTION SHOWN HEREIN. MEMBERS SHALL BE REMOVED IN SUCH A MANNER AS NOT TO DAMAGE EXISTING MASONRY. POCKETS SHALL BE GROUTED SOLID.

4. ALL REMOVALS OF EXISTING CONCRETE SHALL BE INITIATED WITH A NEAT, 1/2" DEEP STRAIGHT SAW CUT.

5. PROTECT EXISTING REINFORCING STEEL IN PLACE. EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING REINFORCEMENT.

6. EXACT LOCATION OF EXISTING REINFORCEMENT IS TO BE DETERMINED BY THE CONTRACTOR USING A REBAR LOCATOR OR SIMILAR METHOD.

7. LOCATE HOLES FOR BOLTS TO AVOID EXISTING REINFORCEMENT.

8. CONTRACTOR RESPONSIBLE TO REPAIR DAMAGED EXISTING REINFORCEMENT TO THE SATISFACTION OF THE ENGINEER/OWNER. CONTRACTOR RESPONSIBLE FOR ALL COSTS AND DELAYS ASSOCIATED WITH THE REPAIR.

9. IN THE EVENT OF CONFLICTS, NOTIFY ENGINEER PRIOR TO FIELD MODIFICATIONS OF DETAILS, CONNECTIONS, OR DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS.

FOUNDATION NOTES

1. ALL PIERS AND COLUMNS ARE CENTERED ON PADS U.N.O. WALLS CENTERED ON FOOTINGS U.N.O.

2. ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL. IF UNUSUAL OR QUESTIONABLE CONDITIONS ARE ENCOUNTERED, DO NOT PROCEED UNTIL THE ARCHITECT AND ENGINEER HAVE BEEN NOTIFIED.

3. POUR PIERS MONOLITHICALLY WITH CONCRETE WALLS.

4. PROVIDE KEYWAY AT TOP OF ALL FOOTINGS, END OF WALL POURS, SLAB POURS AND END OF FOOTING POURS.

5. PROVIDE DOWELS FROM FOOTINGS TO WALLS. USE SAME NUMBER AND SPACING AS VERTICAL WALL BARS, U.N.O.

6. PROVIDE BENT BARS 2'-0" X 2'-0" AT ALL CORNERS AND INTERSECTIONS IN WALLS AND FOOTINGS. USE SAME NUMBER AND SPACING AS HORIZONTAL BARS.

7. BACKFILL EACH SIDE OF WALL SIMULTANEOUSLY.

8. WALLS BACKFILLED ON ONE SIDE ONLY ARE TO BE ADEQUATELY BRACED UNTIL SLABS ARE POURED AND SLABS ARE CURED.

9. FORM TOPS OF ALL FOOTINGS, PADS TO ENSURE CORRECT LINE AND GRADE.

10. BOTTOM OF EXTERIOR FOOTINGS AND WALLS TO BE AT LEAST 4'-0" BELOW FINAL GROUND LINE.

11. FOUNDATION CONSTRUCTION SHALL CONFORM TO TERRACON CONSULTANTS PROJECT NO. PN 08225269-01.

12. THE OWNER SHALL HIRE A SOIL TESTING LABORATORY TO VERIFY SOIL BEARING CAPACITY OF EACH FOOTING PRIOR TO PLACING CONCRETE.

13. SHOULD THE SOILS BECOME DISTURBED OR SATURATED PRIOR TO CONCRETE PLACEMENT; AFFECTED SOIL SHALL BE REMOVED AND REPLACED WITH CONTROLLED COMPACTED ENGINEERED FILL.

14. IF UNSUITABLE SUPPORT MATERIALS ARE ENCOUNTERED, SOIL SHALL BE EXCAVATED UNTIL SUITABLE SOIL IS ENCOUNTERED. BACKFILL SHALL BE WITH CONTROLLED COMPACTED ENGINEERED FILL ACCORDING TO GEOTECHNICAL ENGINEER.

15. NET ALLOWABLE FOUNDATION BEARING PRESSURE ON UNDISTURBED SOIL = 2500 PSF FOR CONT. FOOTINGS AND 1500 PSF FOR MAT FOOTINGS

16. THE CONTRACTOR IS REQUIRED TO SUBMIT A CONTROL/COLD JOINT LAYOUT FOR ALL CAST-IN-PLACE ARCHITECTURAL CONCRETE (EXPOSED CONCRETE) TO THE ARCHITECT FOR APPROVAL PRIOR TO PERFORMING THE WORK. ANY WORK REQUIRING DEMOLITION DUE TO IMPROPERLY PLACED JOINTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER. THE JOINT LOCATIONS SHOWN ON THE STRUCTURAL PLANS ARE FOR SCHEMATIC PURPOSES ONLY.

17. PROVIDE 1/8" THICK BOND BREAK BETWEEN ADJOINING FOOTING PADS BETWEEN NEW AND EXISTING.

18. CONTRACTOR SHALL BE RESPONSIBLE TO ADEQUATELY PROTECT ALL EXCAVATION SLOPES. WHERE NECESSARY, SHEETING AND SHORING OF EXCAVATION SHALL BE PROVIDED WITH ALL REQUIRED TIE-BACKS AND BRACING.

19. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO ALL FOOTINGS DURING CONSTRUCTION TO PREVENT SUPPORTING SOIL FROM FREEZING, USING ADDITIONAL TEMPORARY SOIL COVER OR OTHER MEANS. BOTTOM OF FOOTINGS SHALL BE A MINIMUM OF 4'-0" BELOW TOP OF TEMPORARY SOIL COVER.

DRILLED-IN-DOWELS AND ANCHOR BOLTS

1. HOLES FOR DOWELS SHALL BE DRILLED INTO THE EXISTING CONCRETE AT THE LOCATIONS AND OF THE SIZE SHOWN ON THE PLANS. EMBED DRILLED-IN-DOWELS 15 BAR OR ANCHOR BOLT DIAMETERS MINIMUM, UNLESS NOTED OTHERWISE. AFTER HOLES ARE DRILLED, THEY SHALL BE BLOWN CLEAN WITH OIL-FREE COMPRESSED AIR BEFORE THE EPOXY RESIN IS PLACED IN THE HOLE. THE HOLE SHALL BE FILLED WITH EPOXY RESIN TO A LEVEL SUCH THAT AFTER THE BAR IS INSERTED, THE EPOXY WILL RISE TO THE SURFACE OF THE HOLE. IN OVERHEAD APPLICATIONS, WORK AND SECURE ENOUGH EPOXY RESIN INTO THE HOLE SUCH THAT WHEN THE DOWEL IS INSERTED, THE EPOXY RESIN COMPLETELY FILLS THE VOID AROUND THE DOWEL. SECURE THE EPOXY RESIN IN PLACE FOR CURING BY PLUGGING THE HOLE AROUND THE SHANK OF THE DOWEL REINFORCING STEEL DOWELS OR ANCHOR BOLTS OF THE SIZE SHOWN ON THE PLANS SHALL BE INSERTED INTO THE HOLE IMMEDIATELY AFTER THE EPOXY RESIN IS PLACED. THE EPOXY RESIN SHALL BE PERMITTED TO SET BEFORE NEW CONCRETE IS PLACED AROUND THE ANCHOR.

CONCRETE

1. CONCRETE TO BE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301 CURRENT EDITION)".

2. REINFORCING STEEL TO BE BENT AND PLACED IN ACCORDANCE WITH "MANUAL OF STD. PRACTICE FOR DETAILING CONCRETE STRUCTURES (ACI 315 CURRENT EDITION)".

3. ALL CONCRETE SHALL BE 4000 PSI AT 28 DAYS U.N.O.

ALL CONCRETE FOR BOND BEAMS SHALL BE 3000 PSI AT 28 DAYS

4. CONCRETE EXPOSED TO FREEZE/THAW CONDITIONS SHALL BE AIR ENTRAINED.

5. COARSE AGGREGATE FOR FOOTINGS AND UNEXPOSED WALLS MAY BE GRAVEL.

6. COARSE AGGREGATE FOR SLABS AND EXPOSED WALLS TO BE CRUSHED LIMESTONE.

7. MAXIMUM AGGREGATE SIZE TO BE 1" - U.N.O. MAXIMUM AGGREGATE SIZE TO BE 3/8" FOR TOPPING MIXES.

8. ALL AGGREGATE IN ACCORDANCE WITH ASTM C33. LIMIT SHALE, CHERT, COAL AND IRON OXIDE.

9. 4000 PSI CONCRETE TO HAVE A MIN. 6 SACKS CEMENT/MAX. 5 GAL. OF WATER/SACK.

10. 3000 PSI CONCRETE TO HAVE A MIN. 5 SACKS CEMENT/MAX. 5 GAL. OF WATER/SACK.

11. WATER REDUCER REQUIRED FOR ALL BEAMS, WALLS AND SLABS.

12. CONCRETE WATER-CEMENT RATIO INDICATED FOR DESIGN MIXES TO HAVE CEMENT CONTENT ADJUSTED TO PROVIDE A WORKABLE MIX.

13. USE OF CALCIUM CHLORIDES PROHIBITED.

14. ALL REINFORCING STEEL TO BE ASTM A615 - GRADE 60.

15. ALL WELDED WIRE FABRIC IN ACCORDANCE WITH ASTM A1064.

16. CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR TO BE:
-3" CAST AGAINST EARTH.
- 2" SLABS ON GRADE (DISTANCE FROM TOP OF SLAB TO NEAR BAR)
-1 1/2" BEAMS, COLUMNS, SLABS, JOISTS.
- 3/4" INTERIOR STRUCTURAL SLABS.

17. ALL REINFORCING STEEL SHALL BE SECURELY WIRED IN PLACE BEFORE CONCRETE IS PLACED.

18. MAXIMUM SPACING OF BAR SUPPORTS TO BE 3'-0" O.C. EACH WAY.

19. PROVIDE 2-#5 BARS AROUND ALL SIDES OF HOLES THROUGH CONCRETE WALLS AND SLABS. AT WALLS AND SLABS WITH MULTIPLE MATS OF REINFORCING, PROVIDE SUPPLEMENTAL REINFORCING BARS IN EACH FACE OF MEMBER. BARS TO EXTEND 2'-0" BEYOND EDGES OF OPENINGS. SEE TYP. CONCRETE OPENING DETAIL.

20. PROVIDE CLASS B TENSION LAP SPLICES FOR CONTINUOUS BARS UNLESS OTHERWISE SHOWN.

21. LAP WELDED WIRE FABRIC MESH A MINIMUM OF 6 INCHES OR ONE SPACE.

22. AT REINFORCED MASONRY WALLS, PROVIDE DOWELS VERTICALLY, SAME SIZE AND SPACING AS WALL BARS. BAR LAP LENGTHS AT R.C.M.U.'S SHALL BE IN ACCORDANCE WITH SECTION 3.3.3.4 IN ACI 530, CURRENT EDITION.

23. ALL SLAB REINFORCING STEEL SHALL CONTINUE THROUGH SLAB CONSTRUCTION JOINTS.

24. ISOLATE ALL WALLS AND COLUMNS FROM SLAB ON GRADE. USE PREFORMED JOINT MATERIAL.

25. CONCRETE CONTRACTOR SHALL SUBMIT A PLAN SHOWING PROPOSED JOINTING LOCATIONS AND JOINT DETAILS FOR ARCHITECTS APPROVAL PRIOR TO PLACING SLAB. SLAB-ON-GRADE SHALL BE JOINTED SO THAT EACH AREA BOUNDED BY JOINTS DOES NOT EXTEND MORE THAN 48X SLAB THICKNESS IN ANY DIRECTION. JOINTING SHALL BE OF A REGULAR GRID PATTERN WITH INTERSECTING JOINTS AT 90 DEGREES AND SHALL INTERSECT AT COLUMNS WHERE POSSIBLE.

26. DO NOT SAWCUT STRUCTURAL SLABS, STOOPS, OR SLABS ON METAL DECK WITHOUT PRIOR APPROVAL OF ENGINEER.

27. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL OPENINGS IN WALLS, SLABS AND FOUNDATIONS FOR DUCTS, PIPES, UTILITY LINES AND OTHER PENETRATIONS WITH THE RESPECTIVE TRADES. ALL SUCH PENETRATIONS SHALL BE FORMED OR SLEEVED IN CONCRETE AND STEEL LINTELS IN MASONRY WALLS.

28. UNLESS OTHERWISE DETAILED ON PLANS, NO OTHER OBJECTS SHALL BE PLACED IN STRUCTURAL SLABS WITHOUT PRIOR APPROVAL OF ARCHITECT (I.E. CONDUIT, MECHANICAL LINES, PLUMBING LINES, ETC.).

29. ALL CONCRETE SLABS SHALL BE POURED TO UNIFORM THICKNESS AS INDICATED ON PLANS.

30. SEE ARCHITECTURAL PLANS FOR CONCRETE STOOP LOCATIONS AND DIMENSIONS.

31. ALL REINFORCING BARS SHALL BE LAPPED AS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. WHERE NOT SPECIFICALLY INDICATED ON THE DRAWINGS, ALL REINFORCING BARS SHALL BE LAPPED AS FOLLOWS: LAP WALL/BEAM TOP HORIZONTAL REINFORCEMENT AT CENTER OF SPAN. LAP WALL/BEAM BOTTOM HORIZONTAL REINFORCEMENT AT SUPPORT. TERMINATE CONTINUOUS BARS AT DISCONTINUOUS ENDS WITH STANDARD HOOKS.

32. CONTRACTOR SHALL COORDINATE SLAB DEPRESSIONS FOR FLOOR FINISHES WITH ARCHITECTURAL DRAWINGS.

33. CONTRACTOR SHALL USE RIGID TEMPLATES TO INSTALL ANCHOR BOLTS. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO POURING CONCRETE. NO WET STICKING OF ANCHOR BOLTS WILL BE ALLOWED.

34. PIPES OR CONDUITS PLACED IN SLAB ON GRADE SHALL NOT BE SPACED CLOSER THAN 3 TIMES THE DIAMETER ON CENTER. PIPES AND CONDUITS PLACED IN SLAB ON GRADE SHALL NOT HAVE AN OUTSIDE DIAMETER LARGER THAN 1/3 THE SLAB THICKNESS. NO CONDUITS SHALL BE PLACED WITHIN 12 INCHES OF ANY COLUMN FACE. ALUMINUM CONDUIT SHALL NOT BE PLACED IN SLABS.

35. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI 318, CHAPTER 26.5.6. SUBMIT SHOP DRAWINGS SHOWING CONSTRUCTION JOINT LOCATIONS ALONG WITH THE SEQUENCE OF POURS FOR REVIEW.

36. PROVIDE FREE DRAINING GRANULAR FILL BEHIND ALL WALLS RETAINING SOIL.

MASONRY

1. MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530, 530.1, TMS 602, CURRENT EDITIONS.

2. MORTAR FOR MASONRY BEARING WALLS TO BE TYPE S.

3. ALL GROUT TO TEST 2000 PSI AT 28 DAYS.

4. DESIGN f'm = 2000 PSI.

5. REINFORCED UNIT MASONRY SHALL HAVE WALLS AND CROSS WEBS FILLED TO PREVENT GROUT LEAKAGE.

6. GROUT SHALL HAVE A COMPOSITION MEASURED BY VOLUME CONSISTING OF ONE PART PORTLAND CEMENT AND TWO PARTS OF SAND WITH TWO PARTS OF PEA GRAVEL. SLUMP SHALL BE MEASURED ON A TRUNCATED METAL CONE.

7. MORTAR SHALL NOT BE USED AS GROUT.

8. REINFORCING BAR LAP LENGTHS SHALL BE IN ACCORDANCE WITH SECTION 3.3.3.4 IN ACI 530, CURRENT EDITION.

9. MORTAR "FINS" PROTRUDING FROM JOINTS SHOULD BE REMOVED BEFORE POURING GROUT.

10. CONSOLIDATE GROUT AT THE TIME OF PLACEMENT. CONSOLIDATE GROUT POURS 12 INCHES OR LESS IN HEIGHT BY MECHANICAL VIBRATION OR BY PUDDLING. CONSOLIDATE GROUT POURS EXCEEDING 12 INCHES IN HEIGHT BY MECHANICAL VIBRATION AND RECONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED.

11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREVENT SEGREGATION OF GROUT MATERIALS AND DAMAGE TO MASONRY UNITS DURING THE GROUTING PROCESS.

12. GROUT POURS SHALL BE STOPPED 2" BELOW THE TOP MASONRY UNIT ON INTERMEDIATE POURS.

13. MAXIMUM VERTICAL GROUT POUR TO BE 5'-4".

14. FILL BOND BEAMS WITH 3000 PSI CONCRETE. DO NOT USE MASON'S MORTAR.

15. REINFORCING STEEL TO BE AS SPECIFIED UNDER CONCRETE NOTES.

16. ALL CONCRETE BLOCK SHALL COMPLY WITH ASTM C90.

17. GROUT MASONRY SOLID 16" MINIMUM BELOW ALL BEAM AND LINTEL BEARINGS.

18. GROUT MASONRY SOLID AT ALL EXPANSION BOLTS.

19. PROVIDE A 2" X 3" MINIMUM CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL OPENING AT EACH VERTICAL BAR LOCATION AND CENTER BAR IN WALL (U.N.O.).

20. PROVIDE 9 GA. GALV. REBAR POSITIONERS TO ACCURATELY LOCATE VERTICAL REINFORCING BARS IN WALLS. VERTICAL BARS CENTERED IN WALL U.N.O.

21. PROVIDE BENT BARS 2'-0" X 2'-0" AT ALL CORNERS AND INTERSECTIONS OF BOND BEAMS. USE SAME NUMBER AND SPACING AS HORIZONTAL BARS.

22. MASONRY CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY SHORING AND BRACING TO MAINTAIN WALL SHAPE, LINE AND DIMENSION IN CONFORMANCE WITH DRAWING, AGAINST WIND AND CONSTRUCTION LOADS.

23. "RCMU" DENOTES REINFORCED MASONRY.

24. PROVIDE 16 OZ. SMOOTH COPPER BOND BARRIER UNDER LINTEL BEARING AT CONTROL JOINTS.

25. PROVIDE 2 - #5 VERTICAL AT ALL JAMBS (FULL HEIGHT OF WALL). GROUT CORES SOLID.

26. PROVIDE 2 COURSES JOINT REINFORCING BELOW SILLS AND ABOVE LINTELS.

27. ALL BOND BEAMS SHALL BE REINFORCED WITH 2 - #5 CONTINUOUS U.N.O.

28. WHERE BOND BEAMS OCCUR AT THE TOP OF WALL THE VERTICAL REINFORCING SHALL TERMINATE WITH A STANDARD 90 DEG. HOOK PARALLEL WITH THE WALL IN THE BOND BEAM.

29. PLACE BOND BEAM REINFORCING CONTINUOUS ACROSS CONTROL JOINTS. WRAP BARS WITHIN 2'-0 EACH SIDE OF JOINT WITH 1/8" THICK BOND BREAK TAPE.

30. WHERE CONTROL JOINTS NOT SHOWN, SUBMIT PROPOSED LOCATIONS PER ACI 531 FOR APPROVAL BY ARCHITECT.

31. PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCING AT 16" O.C. FOR SINGLE WYTHE AND MULTI-WYTHE WALLS.

32. ALL INTERIOR 8" MASONRY WALLS WITH UNSUPPORTED HEIGHTS OF 14'-0" OR MORE SHALL BE REINFORCED WITH #5 AT 32" O.C. IN SOLID GROUTED CORE - U.N.O. THE FIRST CELL AT CORNERS AND ENDS OF WALLS SHALL BE REINFORCED WITH 1-#5 AND GROUTED SOLID. PROVIDE 1-#5 ON ALL SIDES OF WALL OPENINGS (EXTEND 2'-0" BEYOND OPENING).

33. ALL VERTICAL JAMB REINFORCING SHALL BE CONTINUOUS FOR FULL HEIGHT OF WALL. REINFORCING SHALL EITHER PENETRATE THROUGH ENDS OF STEEL LINTELS OR SHALL BE OFFSET ONE CORE TO PASS BY LINTEL BEARINGS.

34. WALL REINFORCING SHALL BE CONTINUOUS AROUND WALL CORNERS AND AT WALL INTERSECTIONS.

35. ALL NON-LOAD BEARING WALLS SHALL BE SUPPORTED AT THE TOP WITH ANGLES AND AT THE BOTTOM BY DOWELS PER TYPICAL DETAILS.

36. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL NON-BEARING MASONRY WALLS AND FOR DETAILS OF EXPANSION JOINTS AND CONTROL JOINTS.

37. AT LOCATIONS WHERE NON-LOAD BEARING MASONRY WALLS ARE INSTALLED PERPENDICULAR TO BEAMS/JOISTS, PROVIDE VERTICAL SPACE BETWEEN BOTTOM OF BEAM/JOIST AND TOP OF WALL TO ALLOW FOR BEAM/JOIST DEFLECTION.

STEEL

1. STRUCTURAL STEEL TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (AISC 360, CURRENT EDITION) AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" (AISC 303, CURRENT EDITION).

2. STRUCTURAL STEEL WIDE FLANGE AND WT SECTIONS IN ACCORDANCE WITH ASTM A992.

3. STEEL CHANNELS, PLATES AND ANGLES IN ACCORDANCE WITH ASTM A36.

4. STEEL TUBES IN ACCORDANCE WITH ASTM A500 GRADE C (Fy = 50 ksi).

5. STEEL PIPE IN ACCORDANCE WITH ASTM A53 GRADE B (Fy = 35 ksi).

6. ALL ELECTRODES E70 SERIES.

7. STAINLESS STEEL TO BE ASTM A304.

8. ANCHOR BOLTS / RODS - ASTM F 1554 (GRADE 36), U.N.O.

9. EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT TZ OR APPROVED EQUAL. GROUT MASONRY SOLID AT EXPANSION BOLTS.

10. ADHESIVE FOR ANCHORS SHALL BE HILTI HIT HY 200 OR APPROVED EQUAL. THREADED RODS SHALL BE HILTI HAS-E STANDARD RODS UNLESS NOTED OTHERWISE.

11. ALL FIELD BOLTS - ASTM A325 HIGH STRENGTH STEEL BOLTS (TYPE "MN" U.N.O.).

12. ALL BOLTS 3/4" DIAMETER UNLESS OTHERWISE NOTED OR SHOWN.

13. FIELD TIGHTEN HIGH-STRENGTH BOLTS IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS" (SNUG TIGHT).

14. SPLICES SHALL BE ALLOWED ONLY AT LOCATIONS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS UNLESS APPROVED OTHERWISE BY THE ENGINEER IN WRITING.

15. OVERSIZED OR SLOTTED HOLES SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED BY THE ENGINEER IN WRITING.

16. PROVIDE HOLES IN ALL STEEL AS REQUIRED TO PREVENT ANY ACCUMULATION OF WATER DURING ERECTION. ALL PENETRATIONS THROUGH MAIN MEMBERS SHALL NOT EXCEED 1 1/2" IN DIAMETER AND SHALL BE GROUND SMOOTH.

17. CUTS, HOLES, COPING, ETC. REQUIRED FOR WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS AND MADE IN THE SHOP. CUTS OR BURNING OF HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.

18. ALL STEEL MEMBERS TO BE ENCASED IN CONCRETE SHALL BE UNPAINTED ON THE CONTACT SURFACES AND SHALL BE WRAPPED WITH A MINIMUM OF 6X6-W2.9XW2.9 WWF UNLESS NOTED OTHERWISE.

19. ALL BUTT WELDS AT ROLLED SHAPE FLANGES SHALL BE MADE WITH WELD ACCESS HOLES. ACCESS HOLES SHALL BE DRILLED, AND SHALL BE GROUND SMOOTH TO REMOVE ANY JAGGED EDGES.

20. ALL BUTT AND FULL PENETRATION WELDS SHALL BE MADE USING RUN OFF TABS WHICH SHALL BE REMOVED AND GROUND SMOOTH AFTER WELD IS COMPLETED.

21. ALL WELD BACKUP BARS SHALL BE REMOVED AND GROUND SMOOTH AFTER WELDING IS COMPLETE.

22. ALL ENDS OF TUBES OR PIPES SHALL BE SEALED WITH A 1/4" CAP PLATE UNLESS NOTED OTHERWISE.

23. COMPOSITE FLOOR DECK SHALL BE GALVANIZED STEEL, VULCRAFT 2VLI-20 OR EQUAL. CONTRACTOR SHALL PROVIDE SUPPLEMENTAL FRAMING OR SHORING BELOW DECK IF THREE SPAN CONDITION IS NOT FEASIBLE. FASTEN DECK AS FOLLOWS:
   a. MAIN SUPPORTS - WELD DECK TO STEEL SUPPORT MEMBERS AT ENDS AND INTERMEDIATE SUPPORTS WITH 5/8" DIAMETER FUSION WELDS AT 12" O.C. (36/4 WELD PATTERN).
   b. DECK SIDELAPS - FASTEN SIDELAPS WITH #10 TEK SCREWS AT 36" INTERVALS.
   c. PERIMETER EDGES - WELD PERIMETER EDGES OF DECK WITH 5/8" DIAMETER FUSION WELDS OR 1" LONG FILLET WELDS AT 12" INTERVALS.

24. PROVIDE TUBE STEEL BLOCKING BENEATH DECK FLUTES AS NECESSARY TO PROVIDE FOR DECK WELDING AT SUPPORTS.

25. DECK CLOSURE TO BE 20 GAGE MINIMUM GALVANIZED.

26. CONDUIT MAY BE PLACED IN DECK SLABS PROVIDED IT IS 1" OR LESS IN DIAMETER, OR DIAMETER IS 1/3 OR LESS OF THE CONCRETE COVER. NO CROSSING CONDUIT IS ALLOWED. CONDUIT SHALL BE SPACED AT LEAST 18" APART WITH 3/4" MINIMUM COVER.

27. LOADS HUNG FROM COMPOSITE METAL FLOOR DECK HANGER TABS SHALL NOT EXCEED 60 POUNDS PER HANGER TAB. LOADS ON HANGER TABS SHALL BE DISTRIBUTED IN SUCH A MANNER THAT THE TRIBUTARY LOADS FOR EACH HANGER DO NOT EXCEED 5 POUNDS PER SQUAREFOOT. MECHANICAL EQUIPMENT SHALL NOT BE HUNG DIRECTLY FROM METAL DECK.

28. CONTRACTOR SHALL COORDINATE DECK OPENING SIZES AND LOCATIONS FROM ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. CONTRACTOR SHALL PROVIDE ANY HEADER MEMBERS OR REINFORCEMENT AS REQUIRED UNLESS OTHERWISE SHOWN ON PLANS.

29. NO HOLES ALLOWED IN BEAMS, JOISTS OR COLUMNS UNLESS SPECIFICALLY NOTED OR DETAILED ON STRUCTURAL DRAWINGS.

30. SHOP PRIME ALL STRUCTURAL STEEL WITH ONE COAT TNEMEC 10-99 U.N.O.

31. PROVIDE BEARING PLATE 4" X 7-5/8" X 3/8" WITH 2 - 1/2" DIA. X 5" HD. STUDS AT ALL STEEL BEAMS BEARING ON MASONRY U.N.O.

STRUCTURAL WOOD

1. THE STABILITY OF THE STRUCTURE RELIES ON THE CONTRACTOR TO STRICTLY FOLLOW THE NAILING - PLYWOOD SHEATHING SCHEDULE.

2. ALL STRUCTURAL FRAMING MEMBERS TO BE DOUGLAS FIR-LARCH OR SOUTHERN YELLOW PINE NO. 2 OR BETTER.

3. CONVENTIONAL FRAMING DETAILS SHALL BE IN ACCORDANCE WITH SECTION 2308 OF THE 2015 INTERNATIONAL BUILDING CODE, INCLUDING NAILING SCHEDULES.

4. STRUCTURAL SHEATHING TO BE 5/8" APA RATED SHEATHING EXTERIOR GRADE PLYWOOD.

5. JOIST HANGERS, STRAPS, TIES, AND OTHER FRAMING CONNECTORS SHALL BE "SIMPSON" OR APPROVED EQUAL. CONNECTORS IN CONTACT WITH TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED (G185) PER ASTM A653. FASTENERS IN CONTACT WITH TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED PER ASTM A153 OR BE APPROVED FOR USE WITH TREATED LUMBER.

6. CUTTING, NOTCHING, OR DRILLING OF MEMBERS SHALL BE ONLY AS DETAILED OR APPROVED BY THE ENGINEER.

7. ANCHOR BOLTS AT SILL PLATES: 5/8" DIA., HOT DIPPED GALVANIZED PER ASTM A153 OR APPROVED FOR USE WITH TREATED LUMBER, 6" EMBEDMENT, 2' O.C. MAXIMUM SPACING. EACH PIECE SHALL HAVE A MINIMUM OF TWO BOLTS INSTALLED. ONE BOLT SHALL BE LOCATED NOT MORE THAN 12" OR LESS THAN 4" FROM EACH END OF EACH PIECE.

8. PROVIDE 2 X FRAMING AROUND ALL ROOF OPENINGS (U.N.O.).

9. ALL WOOD IN CONTACT WITH CONCRETE, MASONRY OR EXPOSED TO THE EXTERIOR SHALL BE PRESERVATIVE TREATED.

10. PROVIDE GALVANIZED SIMPSON BEARING PLATES AT ALL SILL PLATE ANCHORS. LOCATE EDGE OF PLATE WITHIN 1/2" OF SHEATHED EDGE OF SILL PLATE.

11. ALL NAILS ARE COMMON NAILS WITH STANDARD LENGTHS UNLESS NOTED OTHERWISE.

PREFABRICATED WOOD TRUSSES

1. PRE-ENGINEERED TRUSSES SHALL BE DESIGNED BY AN IOWA REGISTERED PROFESSIONAL ENGINEER FOR DESIGN LOADS. SUBMIT CERTIFIED CALCULATIONS, SHOP DRAWINGS AND LAYOUT PLAN FOR REVIEW PRIOR TO CONSTRUCTION. INCLUDE DESIGN OF ANY REQUIRED BRIDGING, BRACING AND BLOCKING.

2. CAMBER TRUSSES FOR DEAD LOAD DEFLECTION. LIVE LOAD DEFLECTION LIMIT = L/360.

3. TRUSS PANEL POINT CONNECTORS SHALL BE MANUFACTURED FROM GALVANIZED STEEL WITH A MINIMUM YIELD STRENGTH OF 33,000 PSI. MINIMUM CONNECTOR STEEL THICKNESS SHALL BE 20 GAGE.

4. AT THE TIME OF FABRICATION, THE MOISTURE CONTENT OF ALL LUMBER SHALL BE 19% OR LESS.

5. CONTRACTOR IS RESPONSIBLE FOR FIELD ERECTION OF PRE-ENGINEERED TRUSSES INCLUDING ERECTION BRACING, PERMANENT BRACING AND BRIDGING IF REQUIRED.

6. ALL ERECTION BRACING AND PERMANENT BRACING SHALL BE INSTALLED AND ALL COMPONENTS PERMANENTLY FASTENED PER MANUFACTURER'S DESIGN BEFORE THE APPLICATION OF ANY LOADS.

7. WOOD CONSTRUCTION SHALL CONFORM TO CONVENTIONAL CONSTRUCTION PROVISIONS OF THE 2015 INTERNATIONAL BUILDING CODE UNLESS NOTED OTHERWISE.

8. ALL PRE-ENGINEERED CONSTRUCTION SHALL STRICTLY COMPLY WITH DESIGNER'S PLANS AND SPECIFICATIONS.

9. ALTERNATE TRUSS FRAMING SYSTEMS MAY BE SUBMITTED FOR APPROVAL. ACCEPTABLE ALTERNATE MUST PROVIDE FOR SAME MINIMUM LOAD CAPACITY AND DEFLECTION CHARACTERISTICS AS SYSTEM SHOWN, AND MUST INCLUDE CERTIFICATIONS AND CALCULATIONS.

LINTELS

1. PROVIDE AND INSTALL STEEL LINTELS FOR ALL MASONRY OPENINGS 1'-0 OR WIDER IN ACCORDANCE WITH THE FOLLOWING SCHEDULE (UNLESS NOTED OTHERWISE):

WALL THICKNESS	MAXIMUM OPENING WIDTH	
	6'-0"	8'-0"
4" WALLS	1-L3.5 X 3.5 X 5/16	1-L5 X 3.5 X 5/16
6" WALLS	WT4 X 9	WT5 X 15
8" WALLS	2-L3.5 X 3.5 X 5/16	2-L5 X 3.5 X 5/16
10" WALLS	W8 X 10 W/PL 9 X 5/16	W8 X 10 W/PL 9 X 5/16
12" WALLS	W8 X 10 W/PL 11 X 5/16	W8 X 10 W/PL 11 X 5/16
14" WALLS	W8 X 10 W/PL 13 X 5/16	W8 X 15 W/PL 13 X 5/16
16" WALLS	W8 X 10 W/PL 15 X 3/8 AND L3X3X1/4 AT BRICK	W8 X 15 W/PL 15 X 3/8 AND L3X3X1/4 AT BRICK

2. LINTELS SHALL BEAR A MINIMUM OF 8" ON MASONRY AT EACH END.

3. ALL ANGLES BACK TO BACK SHALL BE WELDED TOGETHER TOP AND BOTTOM.

4. ALL STRUCTURAL STEEL AS SPECIFIED UNDER STEEL NOTES.

5. LONG LEG VERTICAL FOR UNEQUAL LEG ANGLES.

6. WELD PLATES TO W8 WITH 3/16 X 2" FILLET WELDS AT 6" O.C. BOTH SIDES.

7. EXTEND BOTTOM PLATES FULL LENGTH OF LINTEL.

8. ALL LINTELS EXPOSED TO THE EXTERIOR SHALL BE HOT-DIPPED GALVANIZED.

SPECIAL INSPECTION

1. SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1704 OF THE 2015 INTERNATIONAL BUILDING CODE, AND ICBO MODEL PROGRAM FOR SPECIAL INSPECTION.

2. THE OWNER WILL EMPLOY AN APPROVED AGENCY TO PERFORM THE SPECIAL INSPECTION SERVICES.

3. SPECIAL INSPECTION WILL BE PERFORMED IN ACCORDANCE WITH AND IN ADDITION TO THE INSPECTION AND TESTING REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.

4. THE FOLLOWING ITEMS ARE INCLUDED IN THE SPECIAL INSPECTION:

SOILS: FILL COMPACTING
FOOTING BEARING CAPACITY

CONCRETE: AIR-ENTRAINMENT
SLUMP
COMPRESSIVE STRENGTH TESTING
REINFORCING PLACEMENT

MASONRY: GROUT STRENGTH
REINFORCING PLACEMENT

STRUCTURAL STEEL: WELDS
BOLTS

SHUCK-BRITSON
JOB NUMBER: 122.1351.40

DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
CMH	TRV	BDM	TRV

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

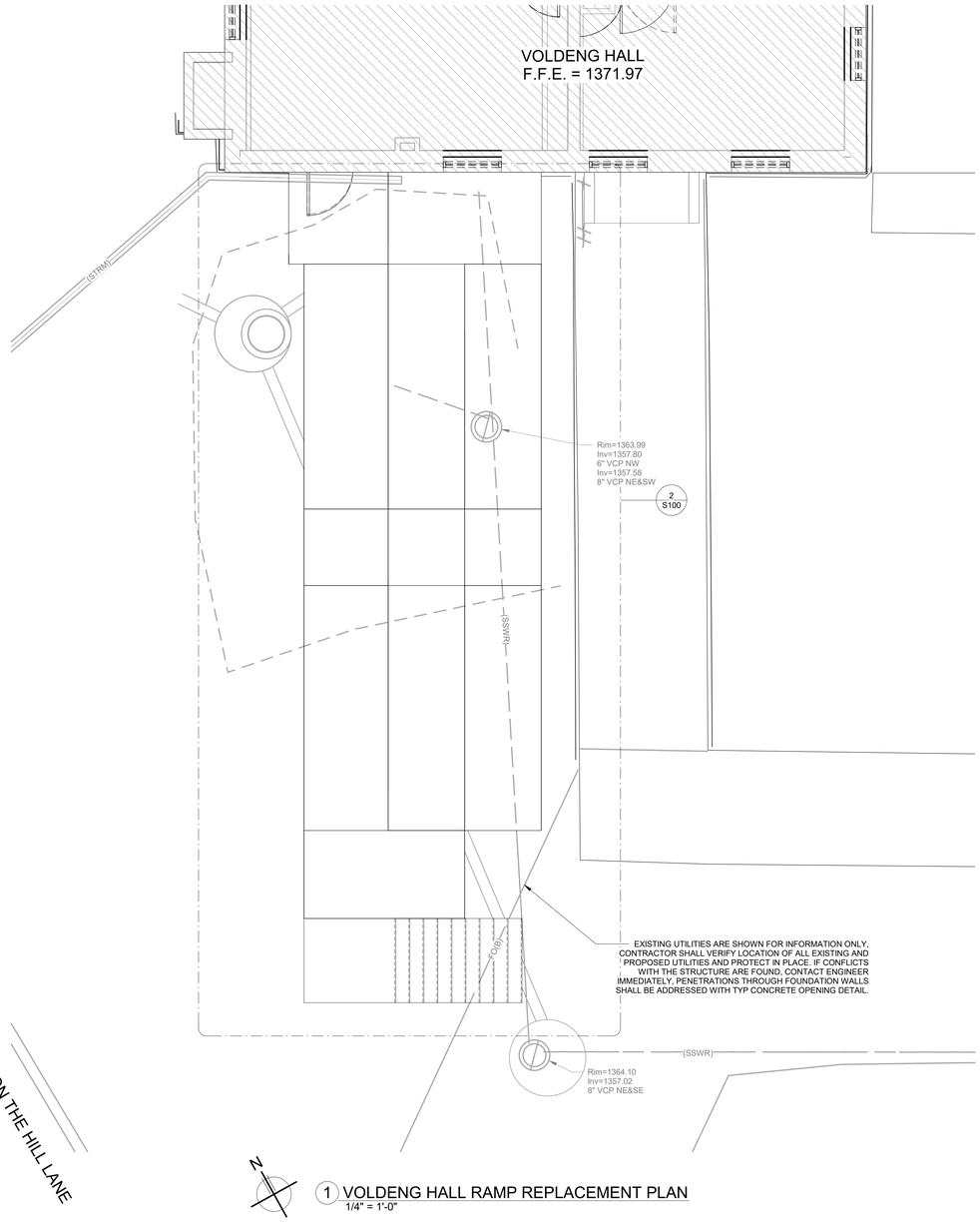
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

GENERAL STRUCTURAL NOTES

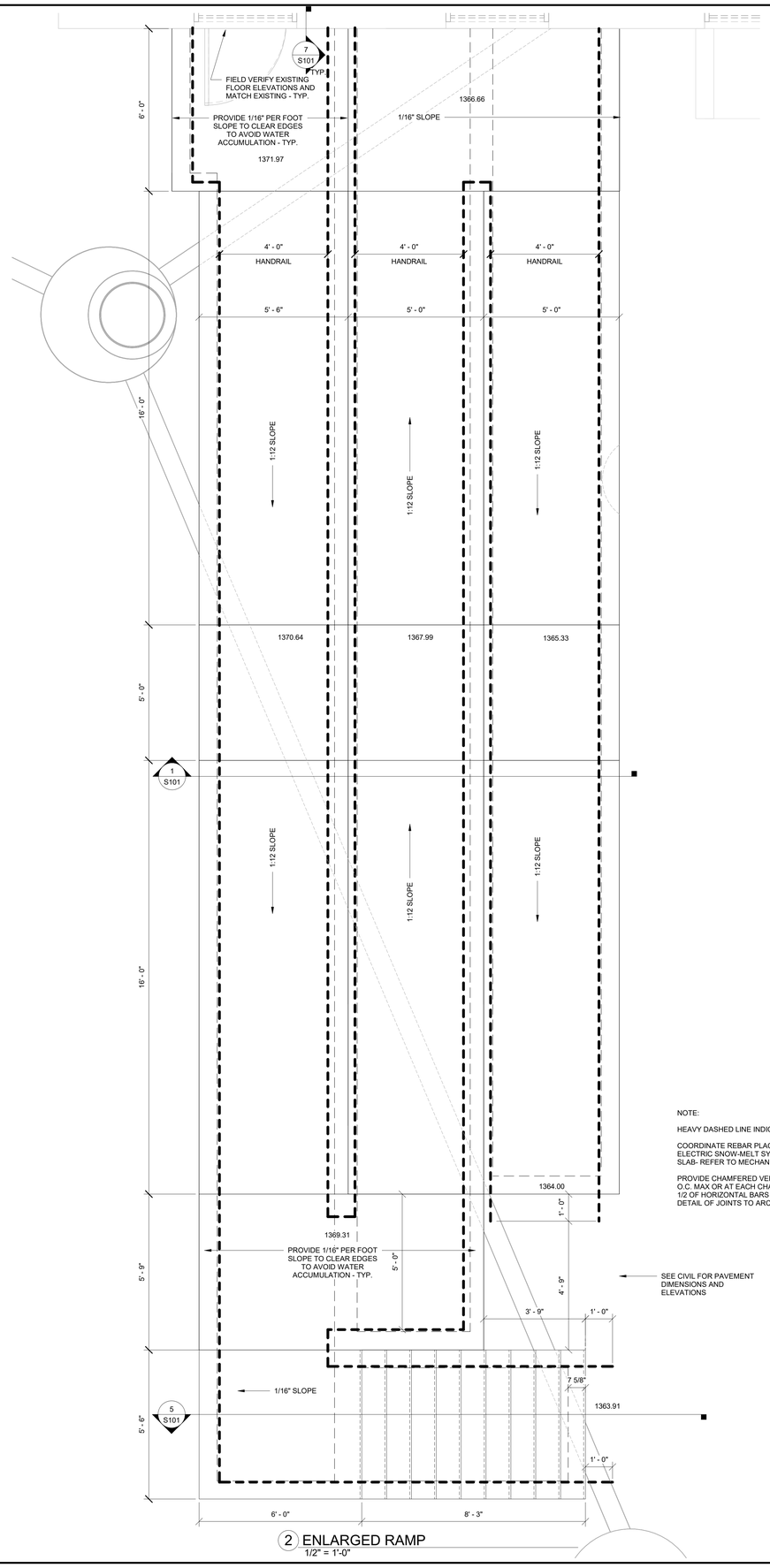
KPE
ARCHITECTURE
ENGINEERING
FORENSICS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: S000



1 VOLDENG HALL RAMP REPLACEMENT PLAN
1/4" = 1'-0"



NOTE:

HEAVY DASHED LINE INDICATES HANDRAIL LOCATION

COORDINATE REBAR PLACEMENT AND LAYOUT WITH PROMELT ELECTRIC SNOW-MELT SYSTEM EMBEDDED INTO CONCRETE SLAB- REFER TO MECHANICAL

PROVIDE CHAMFERED VERTICAL WALL CONTROL JOINTS AT 20' 0" O.C. MAX OR AT EACH CHANGE IN WALL SLOPE/ELEVATION, CUT 1/2 OF HORIZONTAL BARS AT EACH JOINT - SUBMIT LOCATION AND DETAIL OF JOINTS TO ARCHITECT FOR APPROVAL

2 ENLARGED RAMP
1/2" = 1'-0"

SHUCK BRITSON
JOB NUMBER: 122.1351.40

DRAWN: CMH
DESIGNED: TRV
CHECKED: BDM
PROJ. MNGR: TRV

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE		
09-01-2023		

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

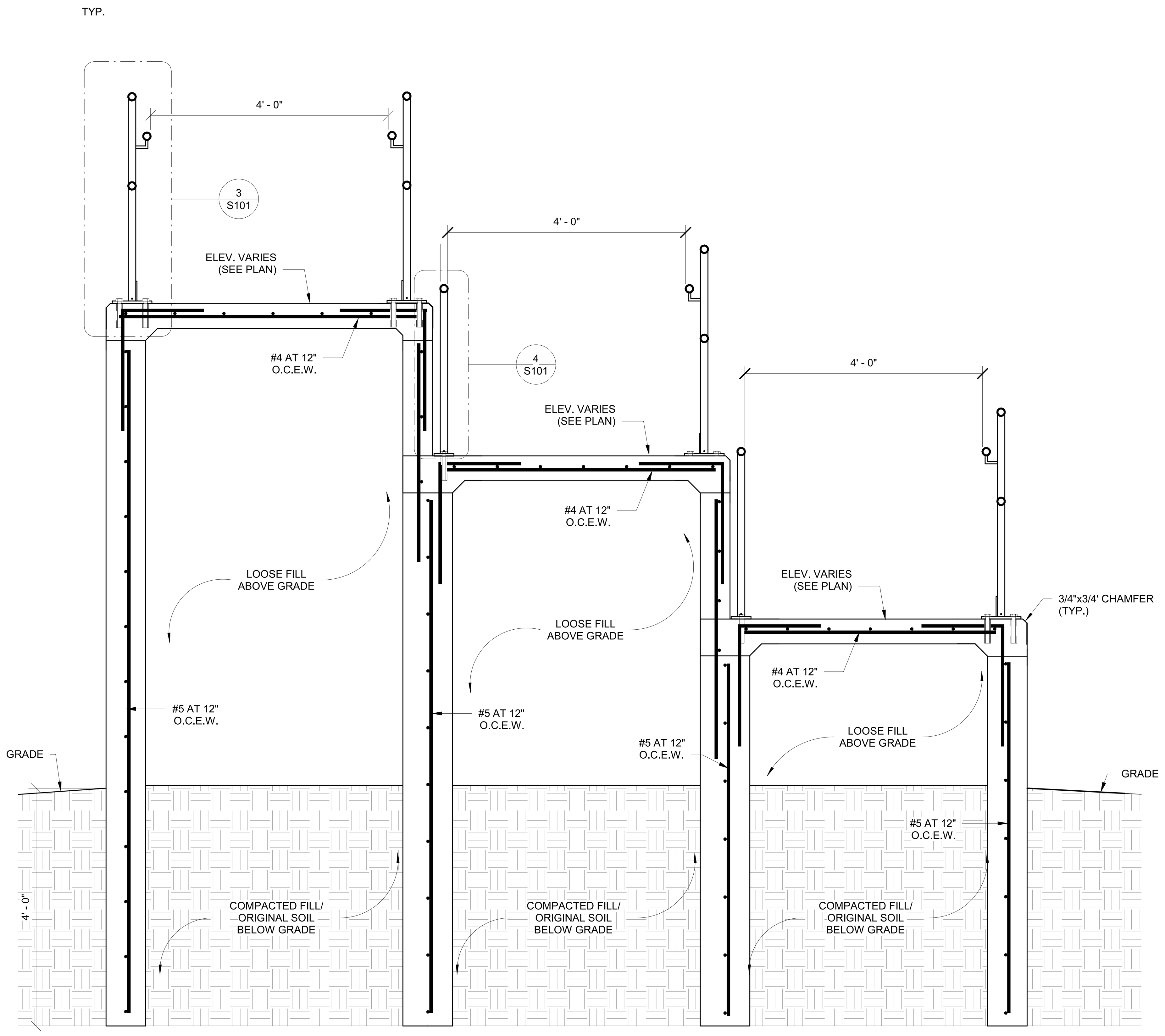
RAMP LAYOUT PLANS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

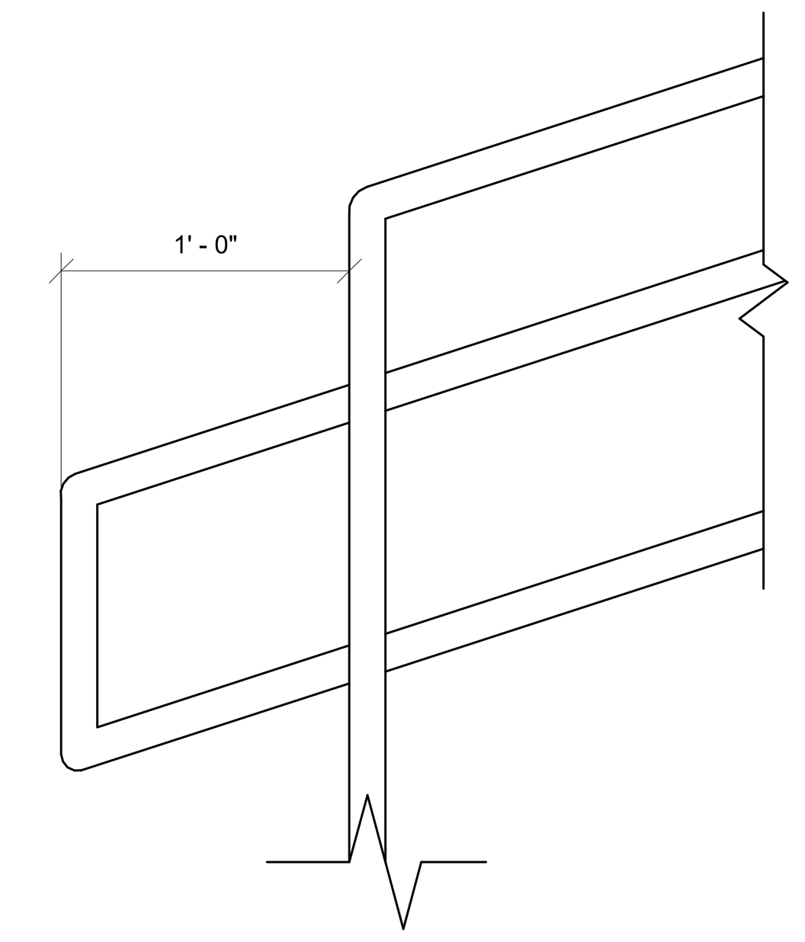
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: S100

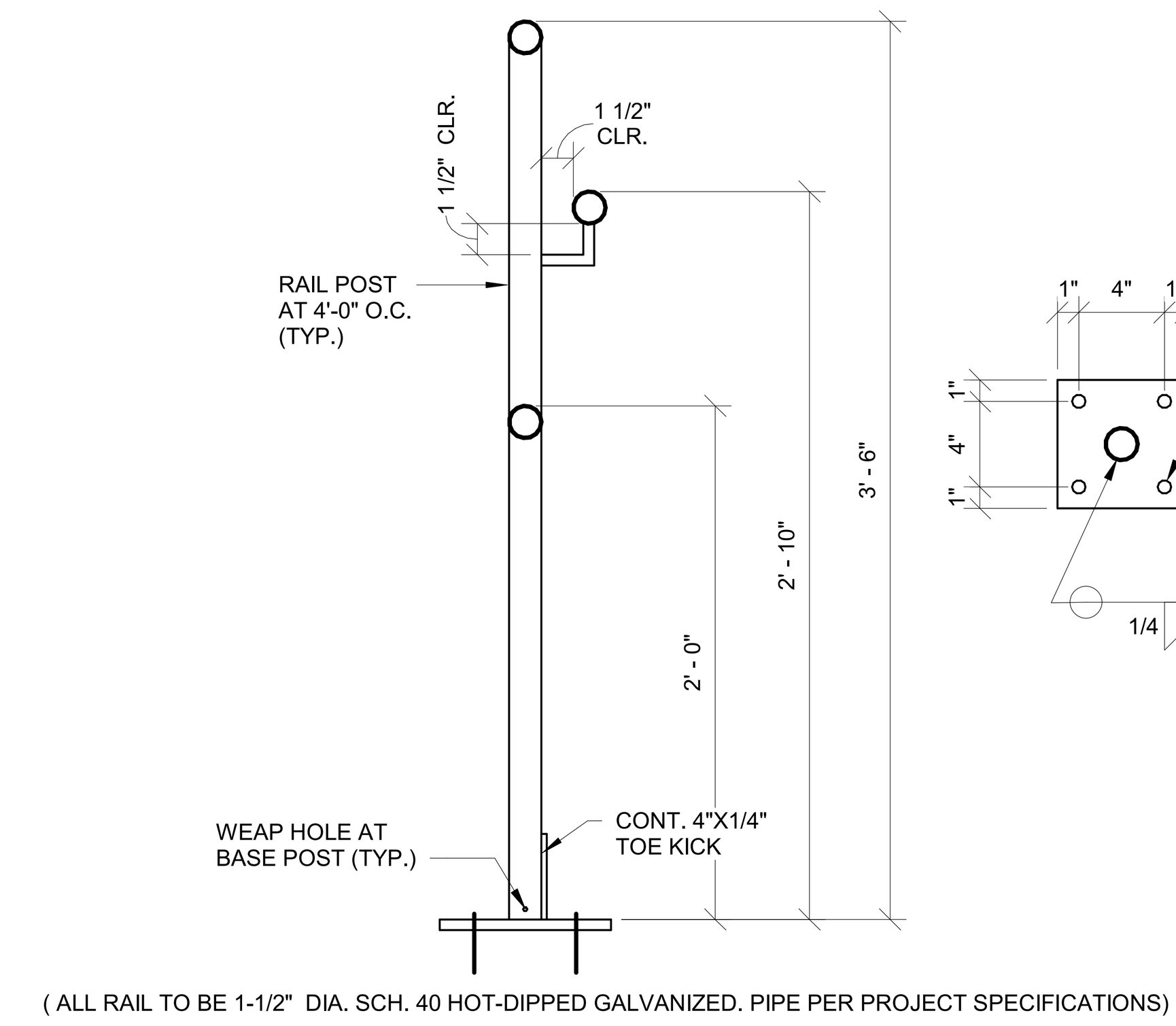
10/13/2023 4:48:39 PM



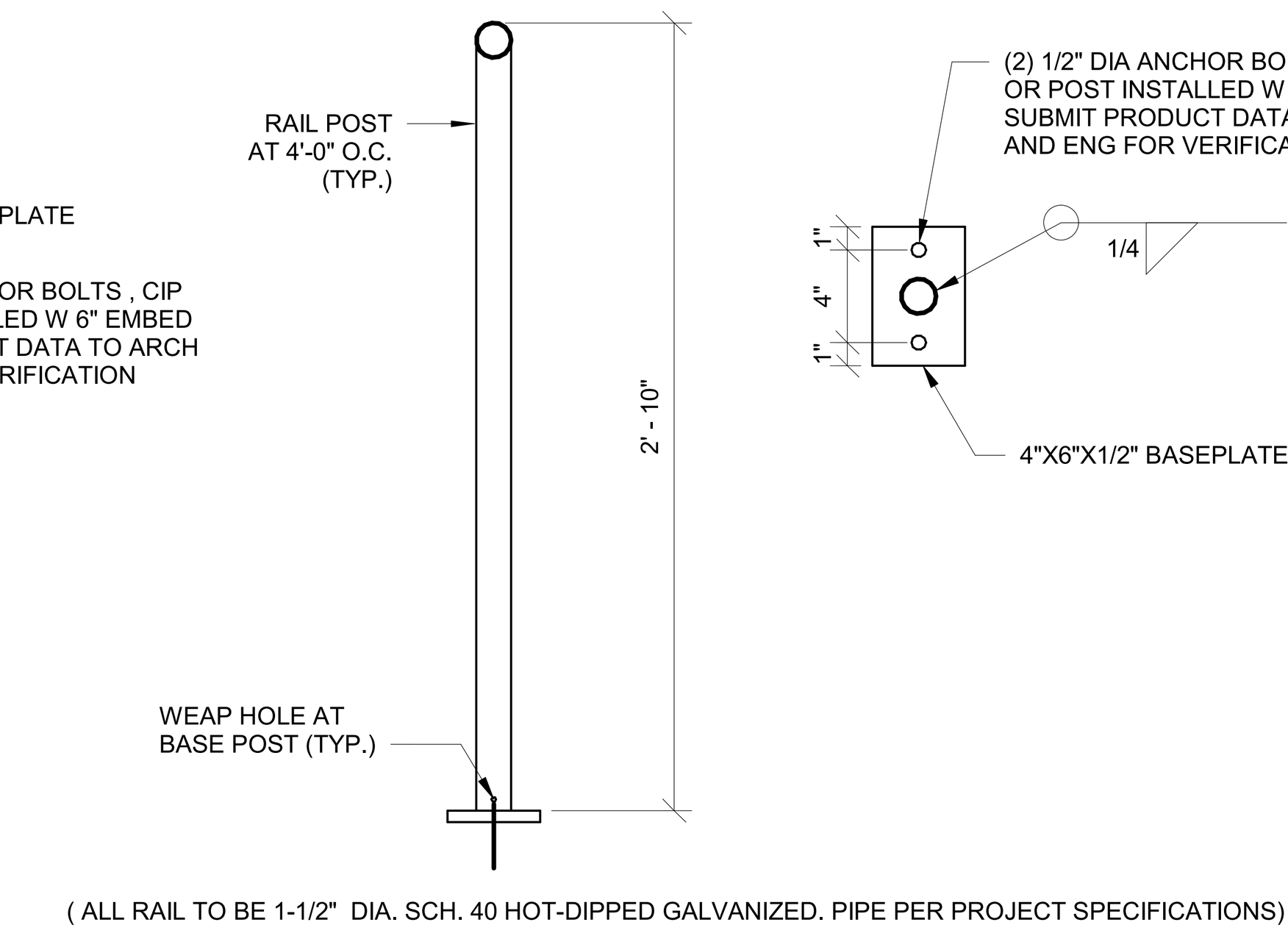
1 SECTION
3/4" = 1'-0"



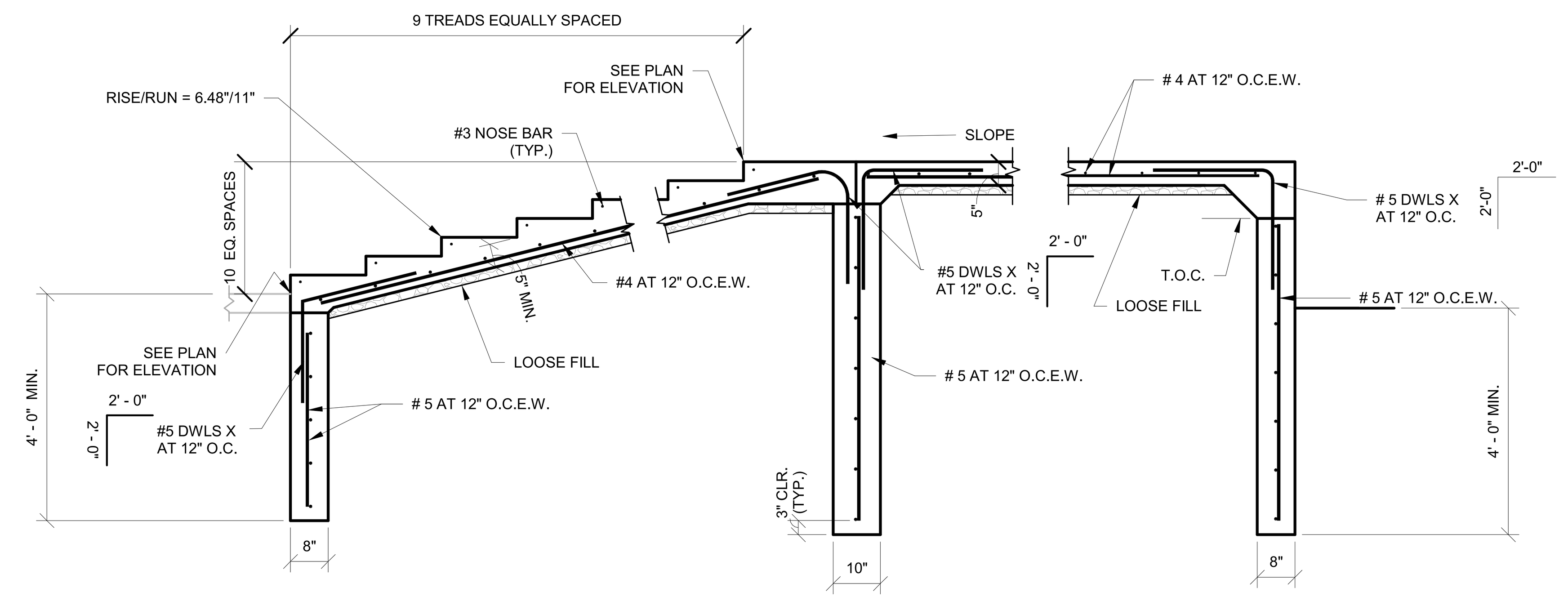
2 HAND RAIL EXTENSION DETAIL TYP.
1 1/2" = 1'-0"



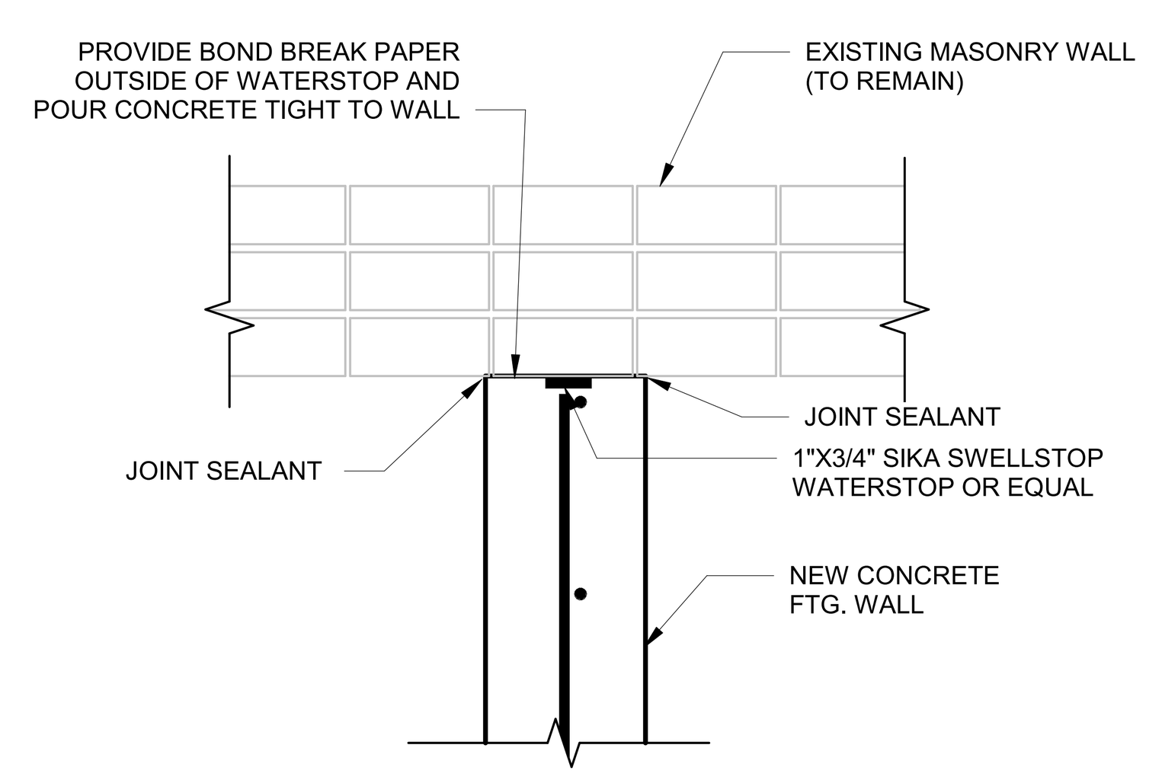
3 GUARDRAIL SECTION
1 1/2" = 1'-0"



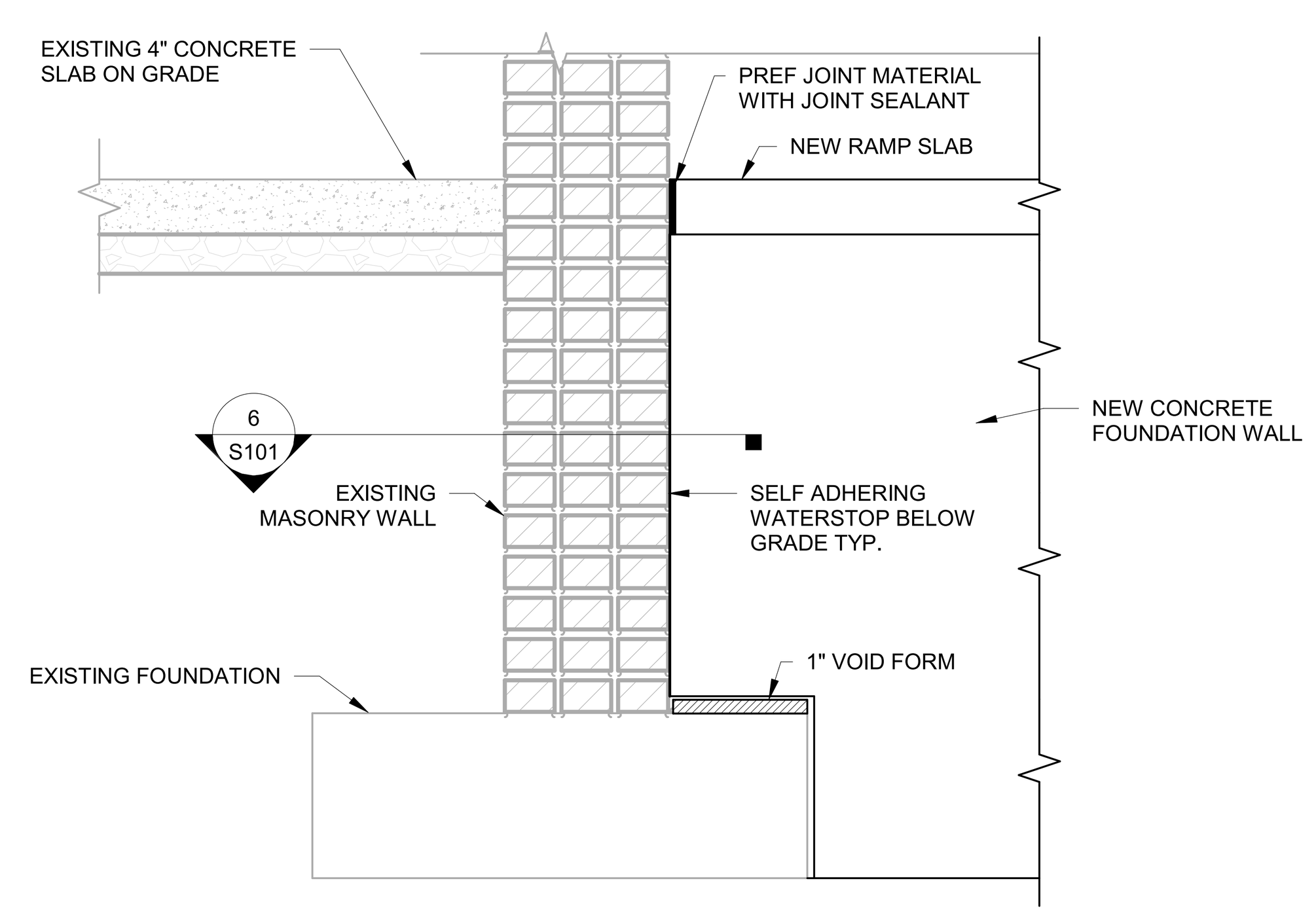
4 HANDRAIL SECTION
1 1/2" = 1'-0"



5 CONCRETE STAIR DETAIL
1/2" = 1'-0"



6 DETAIL
1" = 1'-0"



7 EXISTING TO NEW FOUNDATION DETAIL
1" = 1'-0"

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: CMH
DESIGNED: TRV
CHECKED: BDM
PROJ. MNGR: TRV

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012
RAMP SECTIONS AND RAILING DETAILS

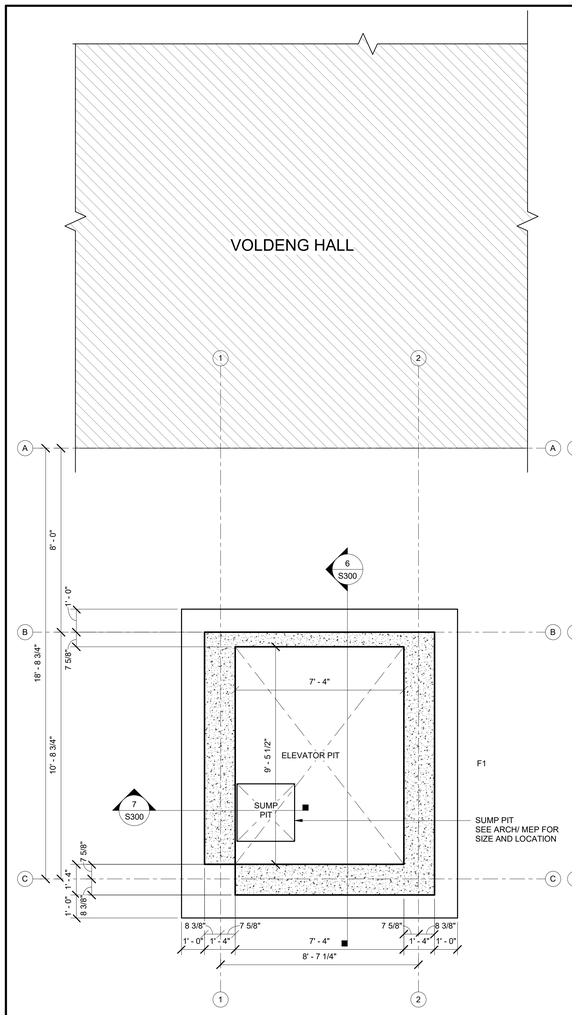
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

SHUCK-BRITSON
JOB NUMBER: 122.1351.40

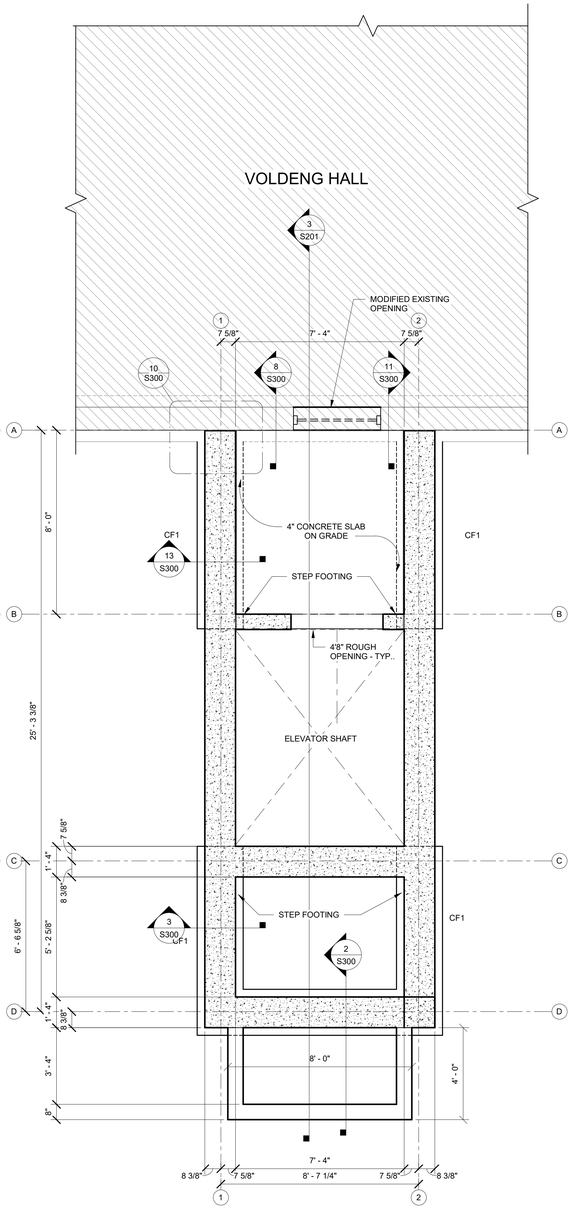
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: S101

10/13/2023 4:46:41 PM



1 VOLDENG HALL ELEVATOR PIT
3/8" = 1'-0"

FOOTING SCHEDULE		
TYPE MARK	**TYPE**	**REINFORCING**
CF1	2' - 0" x 1' - 0" STRIP FOOTING	3- #5 CONT. #5 AT 24" O.C TRANSVERSE
F1	1' - 0" MAT FOOTING SEE PLAN FOR DIMENSIONS	#5 AT 12" O.C.E.W. TOP AND BOTTOM



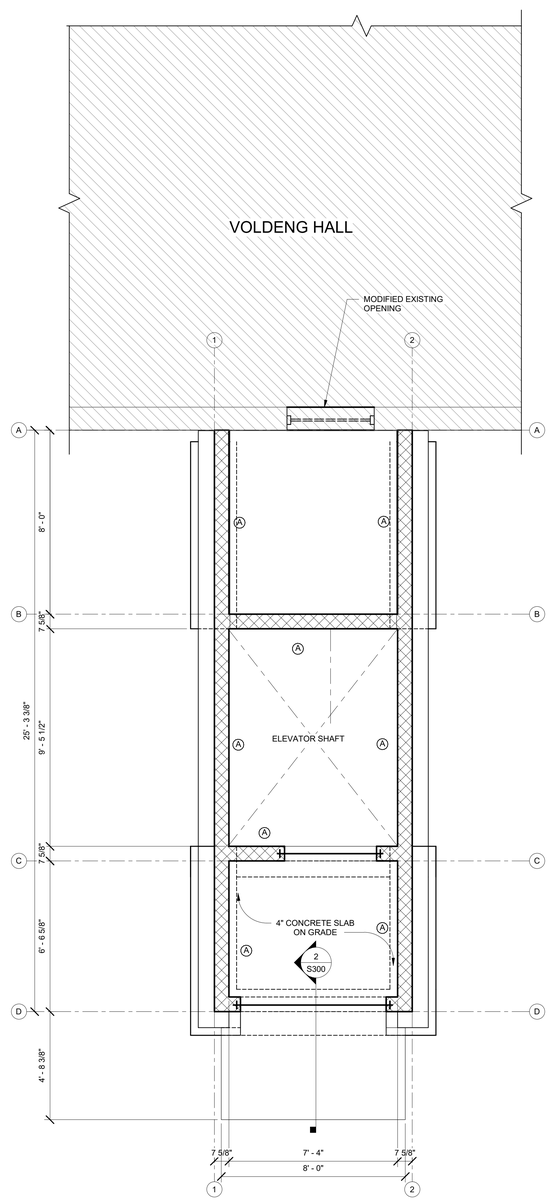
2 VOLDENG HALL ELEVATOR AT BASEMENT FLR. PLAN
3/8" = 1'-0"

NOTES:

ALL ELEVATIONS REFERENCED TO FINISHED FIRST FLOOR LINE (+0'-0")
"D" DENOTES DISTANCE FROM FINISHED FIRST FLOOR LINE TO TOP OF FOOTING OR BOTTOM OF TRENCH FOOTING
"D" = (-0'-8") INTERIOR FOOTINGS (U.N.O.)
"D" = (-3'-0") EXTERIOR FOOTINGS (U.N.O.)
SLAB ON GRADE: 4" CONCRETE SLAB ON MINIMUM OF 6" FREE DRAINING GRANULAR MATERIAL
REINFORCE: #3 AT 16" O.C.E.W.
FOR DIMENSIONS AND ELEVATIONS NOT SHOWN SEE ARCHITECTURAL
SLOPE ALL EXTERIOR STOOP SLABS PER ARCHITECTURAL DRAWINGS

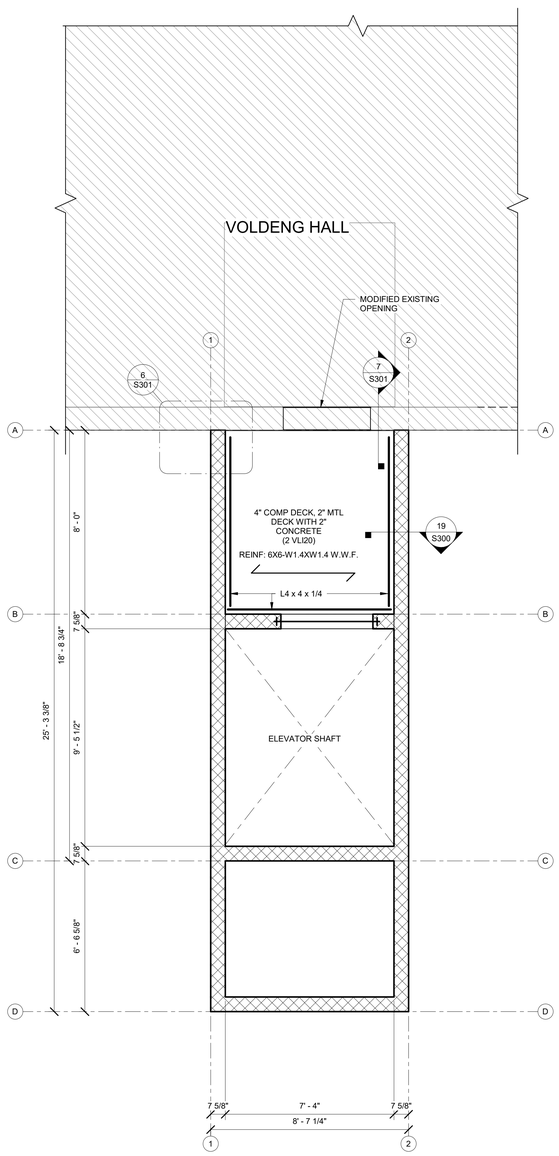
PROVIDE 10 MIL VAPOR BARRIER UNDER ALL SLAB ON GRADE WITHIN BUILDING
PROVIDE WATERSTOPS AT ALL CONCRETE CONSTRUCTION JOINTS BELOW GRADE

TOC = TOP OF CONCRETE = +0'0" TYPICAL AND -0'8" AT DOORWAYS



3 VOLDENG HALL ELEVATOR AT GROUND FLR. PLAN
3/8" = 1'-0"

MASONRY WALL SCHEDULE		
MARK	MASONRY THICKNESS	REINFORCING
Ⓐ	8"	#5 AT 32" O.C. VERT.



4 VOLDENG HALL ELEVATOR AT1ST FLR.
3/8" = 1'-0"

NOTES:

ALL ELEVATIONS REFERENCED TO FINISHED FIRST FLOOR LINE (+0'-0")
PROVIDE BOND BEAMS AT TOP OF ALL MASONRY WALLS, OVER NEW OPENINGS, AND AT NEW FLOOR ELEVATIONS
FLOOR FRAMING: 4" COMPOSITE DECK WITH 2VLI20 METAL DECKING
W/ 2" CONCRETE REINF: 6X6-W1.4XW1.4 W.W.F.
FOR DIMENSIONS AND ELEVATIONS NOT SHOWN SEE ARCHITECTURAL.

SEE S000 FOR LINTEL SCHEDULE

NO.	DESCRIPTION	BY
0	BID SET	KPE

DATE: 09-01-2023
DRAWN: CMH
DESIGNED: TRV
CHECKED: BDM
PROJ. MNGR: TRV

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

ELEVATOR ADDITION FLOOR PLANS AND SCHEDULES

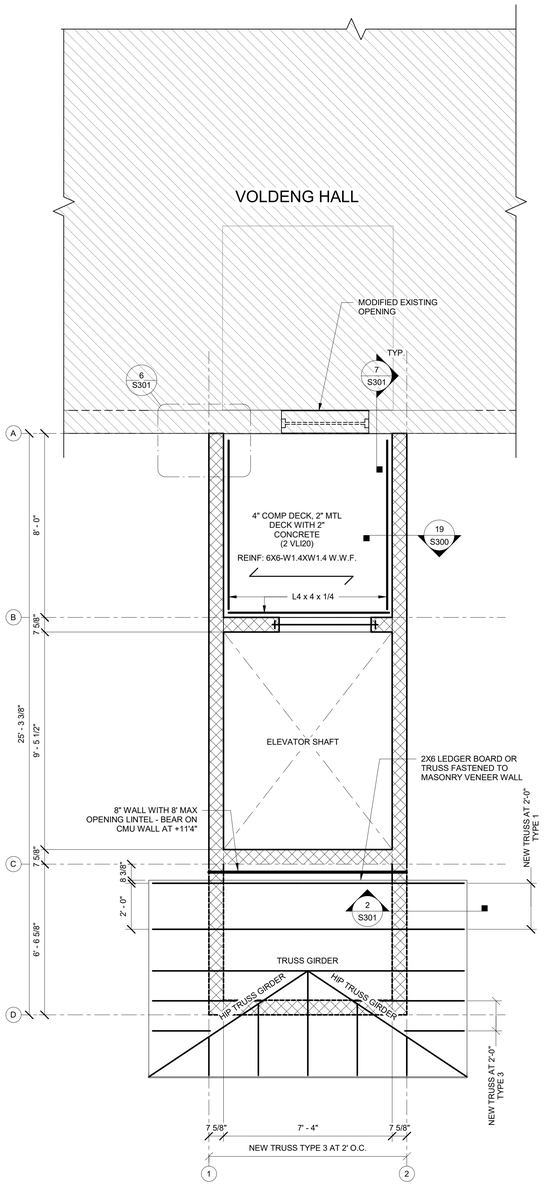
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

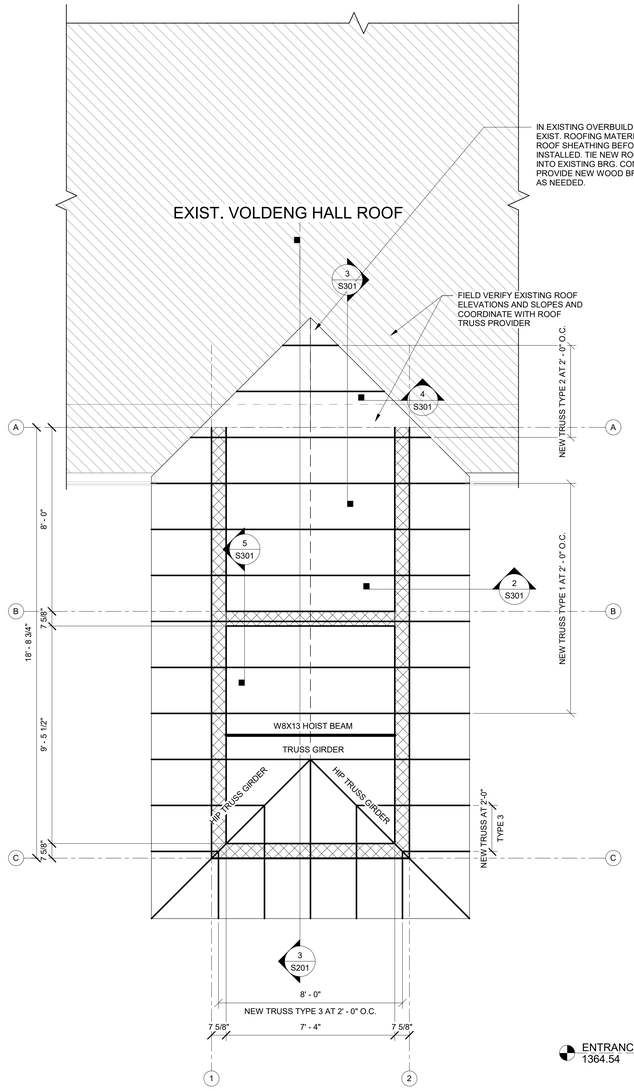
SHUCK · BRITSON
JOB NUMBER: 122.1351.40

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: S200

10/13/2023 4:46:41 PM



1 VOLDENG HALL ELEVATOR AT 2ND FLR./ LOW ROOF PLAN
3/8" = 1'-0"

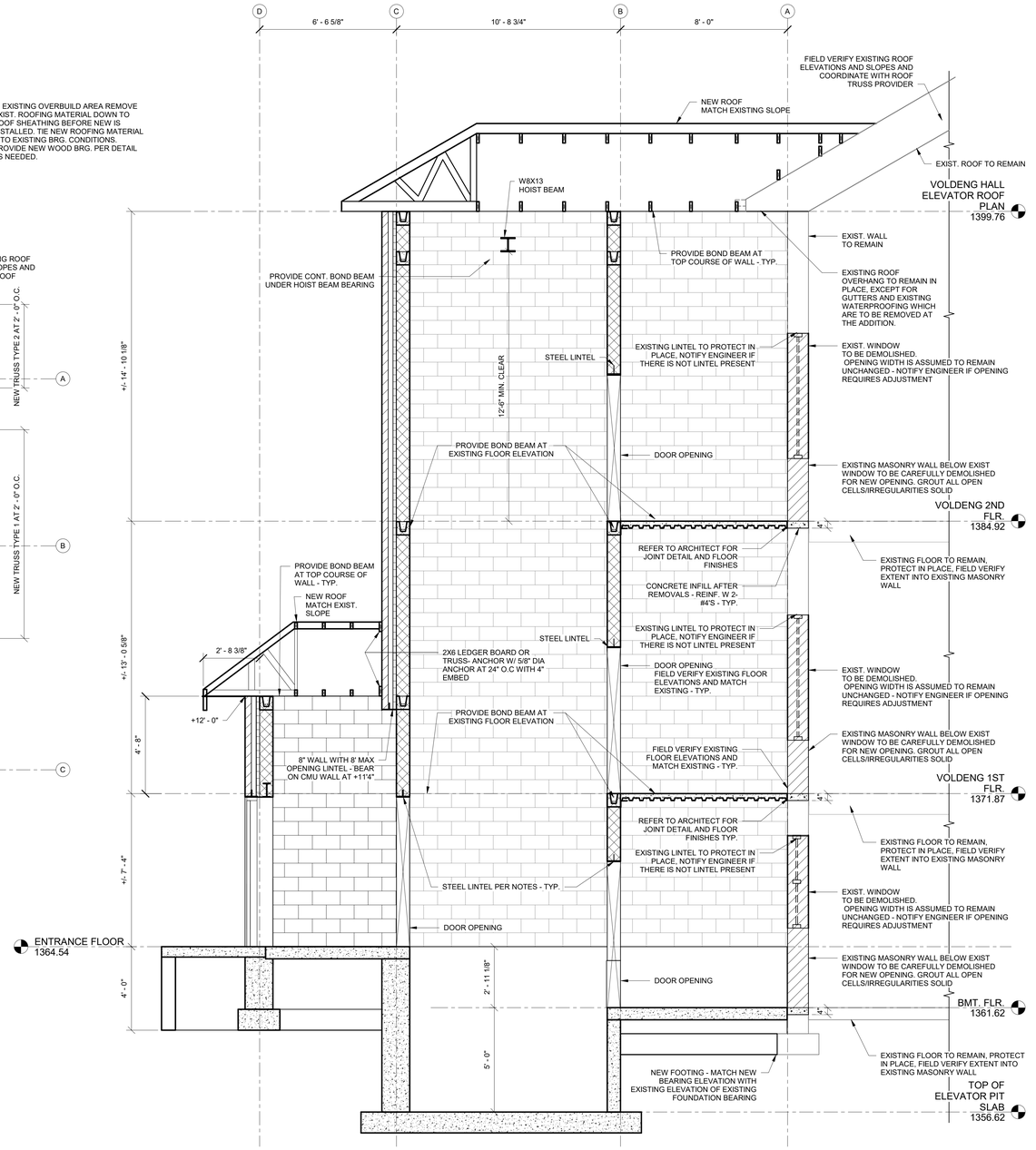


2 VOLDENG HALL ELEVATOR ROOF PLAN
3/8" = 1'-0"

NOTES:

ALL ELEVATIONS REFERENCED TO FINISHED FIRST FLOOR LINE (+0'-0")
PROVIDE BOND BEAMS AT TOP OF ALL MASONRY WALLS, OVER NEW OPENINGS, AND AT NEW FLOOR ELEVATIONS
FOR DIMENSIONS AND ELEVATIONS NOT SHOWN SEE ARCHITECTURAL
PROTECT EXISTING FROM WEATHER DAMAGE
ALL NEW SHEATHING SHALL BE FASTENED WITH 6D NAILS AT 6" O.C EDGE AND 12" OC IN FIELD
NEW ROOF OVERBUILD SHALL BE FASTENED AT SAME PATTERN AS ALLOWED BY EXISTING CONSTRUCTION, CONTRACTOR MAY USE 3/16" TAPCONS WITH 1-1/4" MIN EMBED AT SAME SPACING AS NEEDED.

SEE S000 FOR LINTEL SCHEDULE



3 SECTION
3/8" = 1'-0"

	DRAWN:	CMH
	DESIGNED:	TRV
	CHECKED:	BDM
	PROJ. MNGR:	TRV

NO.	DESCRIPTION	BY
		KPE
0	BID SET	
DATE		
09-01-2023		

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

ELEVATOR ADDITION ROOF PLANS AND SECTION

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

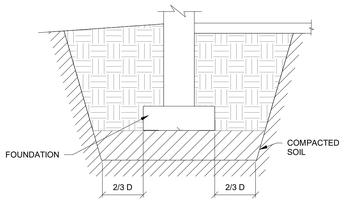
DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: S201

SHUCK BRITSON
JOB NUMBER: 122.1351.40

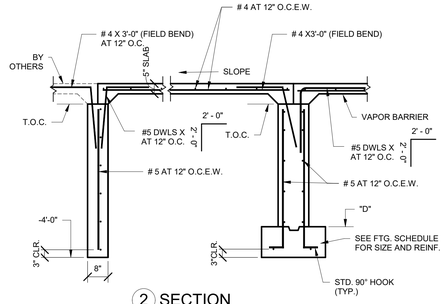
10/13/2023 4:46:42 PM



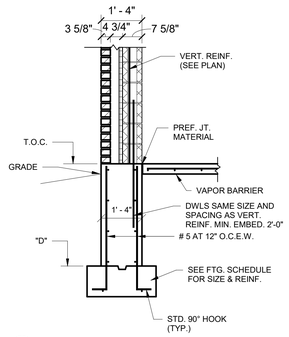
NOTE: ONLY REQUIRED WHEN UNSUITABLE SOILS ARE FOUND. GEOTECHNICAL ENGINEER TO DETERMINE UNSUITABLE SOILS IN FIELD

"D" TO BE DETERMINED WITH RECOMMENDATION OF GEOTECHNICAL ENGINEER. COMPACTED SOIL SHOULD BE APPROVED STRUCTURAL FILL MATERIAL FREE OF ORGANIC MATTER OR DEBRIS. STRUCTURAL FILL MATERIAL TO BE PLACED IN LIFTS OF 9" OR LESS AND COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY WITH MOISTURE CONTENT BETWEEN 2% BELOW AND 4% ABOVE OPTIMUM. SPECIAL INSPECTION WILL BE REQUIRED FOR FILL BELOW FOUNDATION LEVELS.

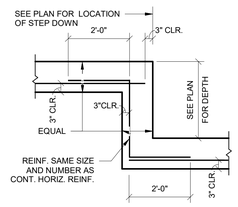
1 OVER EXCAVATION
1/2" = 1'-0"



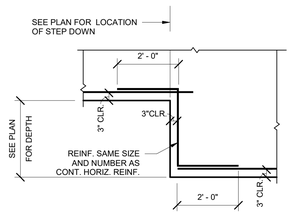
2 SECTION
1/2" = 1'-0"



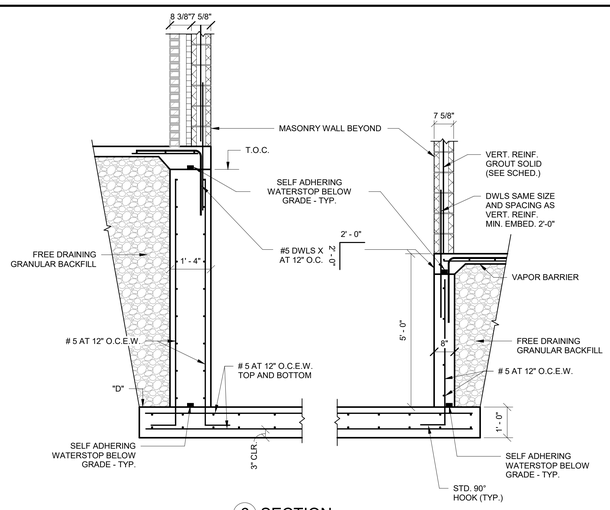
3 SECTION
1/2" = 1'-0"



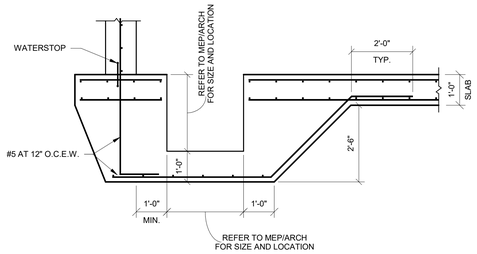
4 FND - TYP. FOOTING STEP DN.
1/2" = 1'-0"



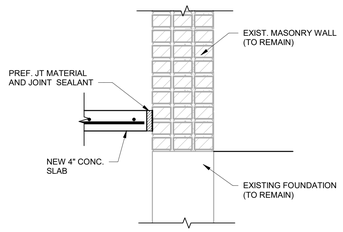
5 FND - TYP. BOTT. WALL STEP DN.
1/2" = 1'-0"



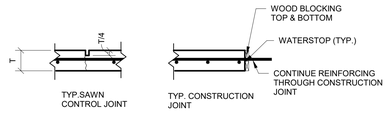
6 SECTION
1/2" = 1'-0"



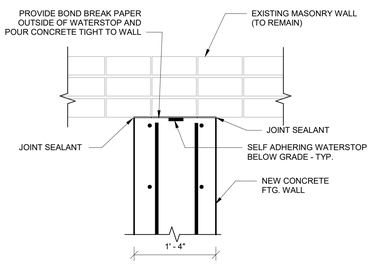
7 SUMP PIT DETAIL
1/2" = 1'-0"



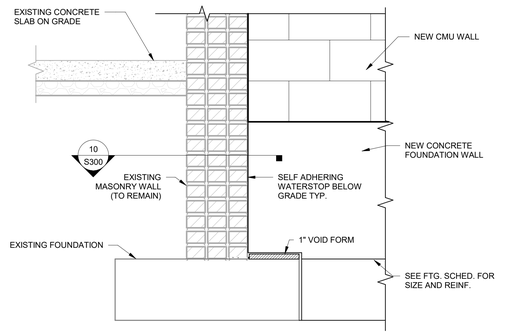
8 FLOOR - SLAB TO EXISTING FTG DETAIL
1" = 1'-0"



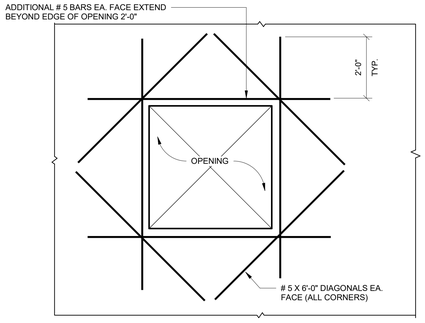
9 FLOOR - SLAB CONTROL JT. DETAIL
1" = 1'-0"



10 DETAIL
1" = 1'-0"

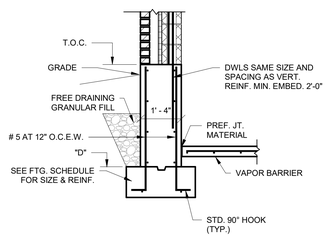


11 EXISTING TO NEW FOUNDATION DETAIL
1" = 1'-0"

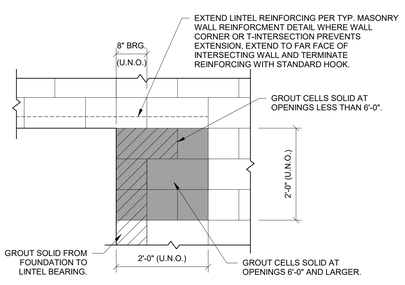


SIMILAR REINFORCING AT ROUND PENETRATIONS

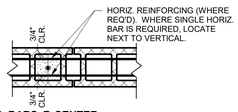
12 TYP. CONCRETE OPENING DETAIL
1/2" = 1'-0"



13 SECTION
1/2" = 1'-0"



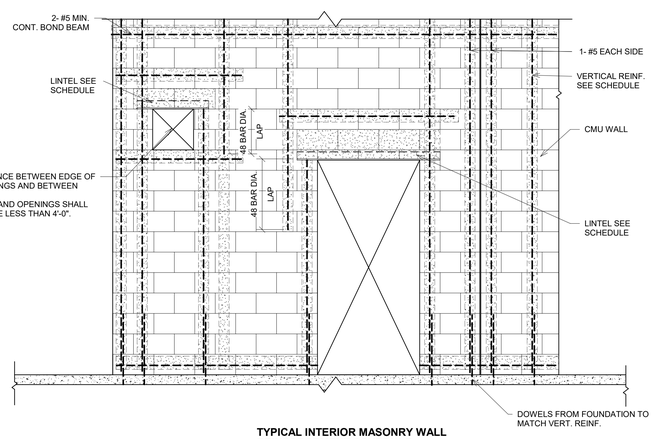
14 TYP. CMU BEAM/LINTEL BEARING DETAIL
3/4" = 1'-0"



VERTICAL BARS @ CENTER

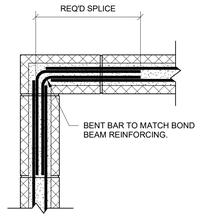
NOTE:
1. SEE PLANS AND STRUCTURAL NOTES FOR BAR SIZE.
2. LOCATE REINFORCING AT ALL CORNERS, EACH SIDE OPENINGS, CONTROL JOINTS AND AT SPACING SHOWN ON PLANS.
3. PROVIDE WIRE REBAR POSITIONERS TO HOLD BARS IN PLACE.

15 TYP. CMU WALL REINFORCEMENT PLACEMENT
1" = 1'-0"

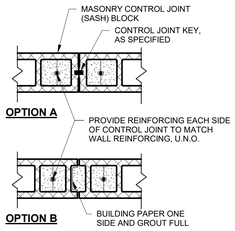


TYPICAL INTERIOR MASONRY WALL REINFORCEMENT SCHEDULE

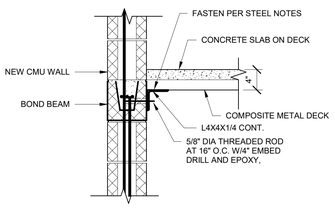
16 TYP. MASONRY WALL REINFORCEMENT DETAIL
1/2" = 1'-0"



17 TYP. CMU BOND BEAM CORNER DETAIL
1" = 1'-0"



18 TYP. CMU WALL CONTROL JOINT (CJ)
1" = 1'-0"



19 FLOOR SUPPORT ANGLE DETAIL
1" = 1'-0"

	DRAWN:	CMH
	DESIGNED:	TRV
	CHECKED:	BDM
	PROJ. MNGR:	TRV

NO.	DESCRIPTION	BY
		KPE
	BID SET	
0		
DATE		
09-01-2023		

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

ELEVATOR ADDITION DETAILS

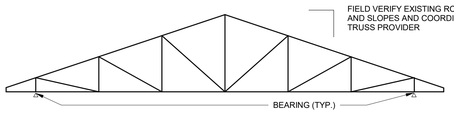
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

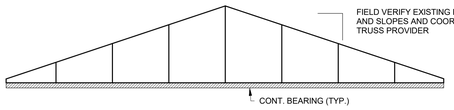
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: S300

SHUCK BRITSON
JOB NUMBER: 122.1351.40

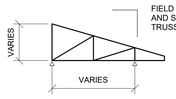
10/13/2023 4:46:43 PM



REGULAR TRUSS - TYPE 1



OVERBUILD TRUSS - TYPE 2



MONO TRUSS - TYPE 3

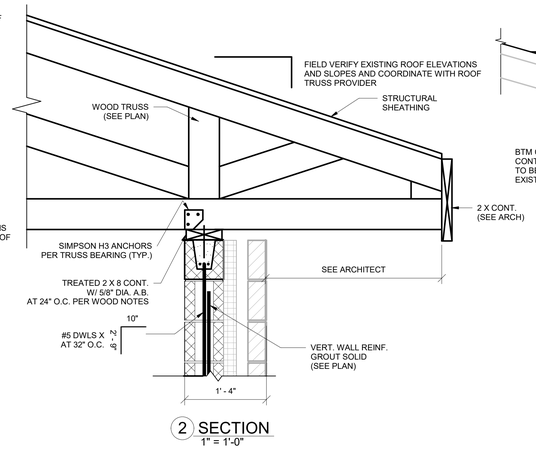
NOT ALL TRUSS CONFIGURATIONS ARE SHOWN

TRUSS DESIGN

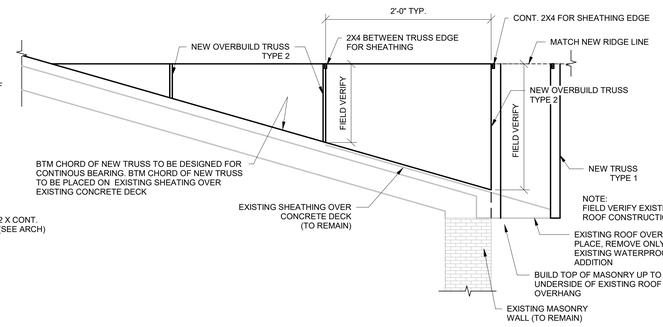
NEW ROOF TRUSS
MAXIMUM LIVE LOAD DEFLECTION = L/360
MAXIMUM TOTAL LOAD DEFLECTION = L/240
TOP CHORD: D.L. = 10 PSF
L.L. = 20 PSF
MAX W.L. = 5 PSF DOWNWARD
26 PSF UPWARD
20 PSF ON OVERHANG
BOTTOM CHORD: D.L. = 5 PSF

OVERBUILD TRUSS
MAXIMUM LIVE LOAD DEFLECTION = L/360
MAXIMUM TOTAL LOAD DEFLECTION = L/240
TOP CHORD: D.L. = 10 PSF
L.L. = 20 PSF

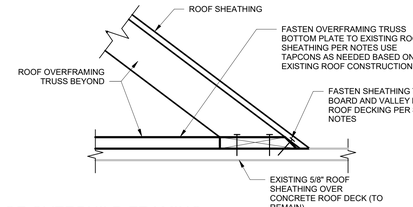
1 TYPICAL TRUSS ELEVATIONS
1/8" = 1'-0"



2 SECTION
1" = 1'-0"



3 OVER BUILD TRUSS SECTION - TYPE 2
1/4" = 1'-0"



4 ROOF OVERBUILD FRAMING
1 1/2" = 1'-0"

5 SECTION
1" = 1'-0"

6 DETAIL
1" = 1'-0"

7 EXISTING TO NEW WALL
1" = 1'-0"

SHUCK BRITSON
JOB NUMBER: 122.1351.40

	DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
	CMH	TRV	BDM	TRV

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

ELEVATOR ADDITION DETAILS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: S301

10/13/2023 4:46:44 PM

DRAFTING SYMBOLS

SYMBOL	DESCRIPTION
X / X, SCALE: XXX	PLAN/DETAIL TITLE; DRAWING NO. THAT THIS VIEW RESIDES ON. (TYPICAL)
X / XX	SECTION SCALE: 1/4"= 1'-0"
X / XX	ELEVATION
X / XX	DETAIL OR SECTION NO. BEGINNING WITH NO. 1 FOR EACH DRAWING (TYPICAL). EXPLANATION (OPTIONAL) DETAIL CALL OUT DRAWING NO. THAT THIS VIEW RESIDES ON. (TYPICAL)
X / XX	PHOTO REFERENCE CALLOUT
NORTH	NORTH ARROW
XXX / EL. = XXX'-X"	ELEVATION INDICATOR
1	BUILDING COLUMN
#	REVISION DELTA
	TO-BE-DEMOLISHED (BOLD) / TO-REMAIN (LIGHT)
	EXISTING WORK (LIGHT) / NEW WORK (BOLD)

REDUCED SIZE PRINT

SCALE: X = X

0" 1" 2" 3" 4"

GRAPHICSCALE

PLUMBING

SYMBOL	DESCRIPTION	INSULATION CATEGORY
———	SANITARY DRAIN (ON THIS LEVEL)	AMBIENT
——S——	SANITARY DRAIN (BELOW THIS LEVEL)	AMBIENT
- - - - -	VENT LINE	NONE
——ST——	STORM DRAIN (ON THIS LEVEL)	COLD
- - -ST- - -	STORM DRAIN (BELOW THIS LEVEL)	COLD
——SO——	STORM OVERFLOW DRAIN	COLD
——ID——	INDIRECT DRAIN	AMBIENT
——FM——	SANITARY FORCE MAIN (ON LEVEL)	AMBIENT
——FM——	SAN FORCE MAIN (BELOW LEVEL)	AMBIENT
— - —	COLD WATER (POTABLE)	COLD
— - - —	HOT WATER SUPPLY (110° F)	HOT
— - - - —	HOT WATER RETURN (110° F)	HOT
- - -###- - -	HOT WATER SUPPLY (TEMP ° F)	HOT
——###——	HOT WATER RETURN (TEMP ° F)	HOT
——T——	TEMPERED WATER (POTABLE)	HOT
——NPW——	NON-POTABLE WATER	COLD
——DVIN——	DIRECT VENT INTAKE	COLD
——DVEX——	DIRECT VENT EXHAUST	NONE
——NG——	NATURAL GAS	NONE
P	INLINE PUMP	--
	TO FLOOR DRAIN	--
C.O. / C.O.	CLEAN OUT	--
	DOUBLE GRADE CLEAN OUT	--
2" FD-1	FLOOR DRAIN SIZE - TYPE	--
4" RD-1	ROOF DRAIN SIZE - TYPE	--
HB	HOSE BIB	--
WH	WALL HYDRANT	--
4" VTR	SANITARY VENT THRU ROOF ON RISER	--

HVAC - AIR SIDE

SYMBOL (1 - LINE)	SYMBOL (2 - LINE)	DESCRIPTION
10"	10"	ROUND DUCT SIZE - DIAMETER
10/6	10/6	RECTANGULAR DUCT SIZE - 1ST NUMBER IS DIMENSION OF SIDE SHOWING
		LINED DUCT (RECTANGULAR / ROUND) (ALSO SEE SPECIFICATIONS FOR LINING REQUIREMENTS - LINING MAY NOT BE SHOWN ON DRAWINGS)
10x6	10x6	FLAT-OVAL DUCT SIZE - 1ST NUMBER IS DIMENSION OF SIDE SHOWING
R	R	CHANGE OF DUCT ELEVATION R - RISE, D - DROP
M	M	MOTORIZED DAMPER
		SPLITTER
		TRANSITION - SIZE CHANGE (RECTANGULAR, ROUND, OR FLAT-OVAL)
		TRANSITION - RECTANGULAR TO ROUND, OR RECTANGULAR TO FLAT-OVAL
	45°	RECTANGULAR DUCT TAKE-OFF
		ROUND-DUCT CONICAL TAKE-OFF FROM RECTANGULAR OR ROUND
		SQUARE-THROAT 90° ELBOW: PROVIDE TURNING VANES WHETHER OR NOT VANES ARE ILLUSTRATED
		R=1.0xD 90° ELBOW: PROVIDE TURNING VANES WHETHER OR NOT VANES ARE ILLUSTRATED
		R=1.5xD 90° ELBOW - TURNING VANES ARE NOT REQUIRED
		FLEXIBLE DUCT CONNECTION
		SQUARE-THROAT TEE: PROVIDE TURNING VANES WHETHER OR NOT VANES ARE ILLUSTRATED
		R=1.5xD ROUND TEE - TURNING VANES ARE NOT REQUIRED

SYMBOL	DESCRIPTION
SIZE TYPE / XXX CFM	DIFFUSER (CEILING MOUNTED)
	RISER OR END OF DUCT - SUPPLY AIR (SA)
SIZE TYPE / XX CFM	RETURN OR EXHAUST REGISTER OR GRILLE (CEILING MOUNTED)
	RISER OR END OF DUCT - RETURN AIR (RA) OR EXHAUST AIR (EA)
	RISER OR END OF DUCT - OUTSIDE AIR (OA)
SIZE TYPE / XXX CFM	SUPPLY REGISTER OR GRILLE (WALL MOUNTED)
SIZE TYPE / XX CFM	RETURN OR EXHAUST REGISTER OR GRILLE (WALL MOUNTED)
	POWER OR GRAVITY ROOF EXHAUST
	POWER OR GRAVITY ROOF VENTILATOR SUPPLY
	VOLUME DAMPER
BD	BACKDRAFT DAMPER
	LINED TRANSFER DUCT THROUGH WALL (ABOVE CEILING UNLESS INDICATED OTHERWISE)
FD	DAMPER IN LINED TRANSFER DUCT THROUGH WALL (ABOVE CEILING UNLESS INDICATED OTHERWISE)
FD	FIRE DAMPER
FSD	COMBINATION FIRE/SMOKE DAMPER
S	SMOKE DAMPER
T H	THERMOSTAT / HUMIDISTAT
TS HS PS	SENSOR: TEMPERATURE, HUMIDITY, PRESSURE
	DIRECTION OF AIRFLOW

GENERAL MECHANICAL

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
UP DN	RISE UP / DROP DOWN	GRATING SPAN	BAR GRATING SPAN
D / E	FIELD DISCONNECTION	SLOPE / SLOPE	SLOPE DIRECTION (DOWN)
N / E	FIELD CONNECTION	#	KEYNOTE
EQ-#	EQUIPMENT MARK NUMBER (WITHOUT ELECT. CONNECTION)	EQ / 2	EQUIPMENT MARK NUMBER (WITH ELECT. CONNECTION)
	ELEC. PANELBOARD (SURFACE MOUNT) (BY ELECTRICAL)		GAS REGULATOR
	ELEC. PANELBOARD (FLUSH MOUNT) (BY ELECTRICAL)		DISTRIBUTION PANEL / SWITCHBOARD (BY ELECTRICAL)

VALVES AND FITTINGS

SYMBOL	DESCRIPTION		DESCRIPTION
	SHUTOFF VALVE		CONCENTRIC REDUCER
	CHECK VALVE		ECCENTRIC REDUCER
	BALANCING VALVE		CAP
	THROTTLING VALVE		BUSHING
	QUICK CONNECT		HOSE COUPLING / THREADS
	2-WAY CONTROL VALVE		UNION
	3-WAY CONTROL VALVE		ORIFICE PLATE
	PRESSURE REDUCING VALVE		EXPANSION JOINT
	RELIEF VALVE (SEE SPECS FOR TYPE)		SLEEVE
HB	HOSE BIB		ELBOW DOWN OR AWAY
BD	BOILER DRAIN		ELBOW UP OR TOWARDS
	STRAINER		TEE UP OR TOWARDS
S	SIGHT GLASS		TEE DOWN OR AWAY
	STEAM TRAP		DIRECTION OF FLOW
	FLEXIBLE CONNECTION		VENT TO ATMOSPHERE
	EXPANSION JOINT	FI TI PI	INDICATOR: FLOW, TEMPERATURE, PRESSURE
	PIPE GUIDE	DV	DRAIN VALVE
	PIPE ANCHOR		TO FLOOR DRAIN
	PRESSURE-TEMPERATURE TEST PLUG		
	AIR VENT: MANUAL / AUTOMATIC		

VALVE OPERATOR ACTION

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
FO	FAIL OPEN	LO	LOCKED OPEN
FC	FAIL CLOSED	LC	LOCKED CLOSED
NO	NORMALLY OPEN		
NC	NORMALLY CLOSED		

FIRE SUPPRESSION

SYMBOL	DESCRIPTION	INSULATION CATEGORY
——F——	FIRE LINE	NONE
——SP——	FIRE SPRINKLER LINE	NONE
——S——	MAIN SUPPLIES SPRINKLER	NONE
	BRANCH AND HEAD SPRINKLER	--
	OS&Y VALVE	--
PIV	POST INDICATOR VALVE	--
	ALARM CHECK VALVE	--
TS	TAMPER SWITCH	--
FS	FLOW SWITCH	--
	SMOKE DETECTOR	--
FDC	FIRE DEPARTMENT CONNECTION	--

HVAC - HYDRONICS

SYMBOL	DESCRIPTION	INSULATION CATEGORY
——REF——	REFRIGERANT LINESET	NONE
- - - -D- - - -	DRAIN	COLD
- - - - CD - - - -	CONDENSATE DRAIN LINE	COLD
——LPS——	LOW PRESSURE STEAM (<= 15 PSIG)	VERY HOT
- - - -LPR- - - -	LOW PRESSURE RETURN (0 PSIG)	VERY HOT

ABBREVIATIONS

ABBR	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
DVEX	DIRECT-VENT EXHAUST
DVIN	DIRECT-VENT INTAKE
EA	EXHAUST AIR
EF	EXHAUST FAN
EXIST, EXIST.	EXISTING
FCO	FLOOR CLEANOUT
FFE	FINISHED FLOOR ELEVATION
IE, I.E.	INVERT ELEVATION
KG	GREASE EA DUCT (TYPE I KITCHEN HOOD)
KV	KITCHEN VAPOR (NON-GREASE) EA DUCT
MA	MIXED AIR (OA+RA)
NIC, N.I.C.	NOT IN CONTRACT
OA	OUTSIDE AIR
OC, O.C.	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PT	PRESSURE-TEMPERATURE
RA	RETURN AIR
RD	ROOF DRAIN
RLFA	RELIEF AIR
RF	RETURN FAN
SA	SUPPLY AIR
SF	SUPPLY FAN
SWH	SERVICE WATER HEATER
TA	TRANSFER AIR
TOD	TOP OF DUCT
TYP	TYPICAL
VA	VENTILATION AIR
VTR	VENT THROUGH ROOF (SANITARY SEWER)
W/	WITH
WCO	WALL CLEANOUT

GENERAL DIVISION 22, & 23 NOTES

DEMOLITION NOTES

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET
2. COORDINATE ALL MECHANICAL DEMOLITION WITH ELECTRICAL DEMOLITION.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.

PROVIDE COMPLETE, COMPLIANT, AND OPERATIONAL SYSTEMS:

1. DRAWINGS AND SPECIFICATIONS (CONSTRUCTION DOCUMENTS) HAVE BEEN PREPARED TO COMPLEMENT EACH OTHER. PROVIDE ITEMS SHOWN ON ONE AND NOT THE OTHER AS THOUGH SHOWN AND CALLED OUT IN BOTH. IF AN APPARENT CONFLICT EXISTS WITHIN THE CONSTRUCTION DOCUMENTS, PRESUME TO PROVIDE THE MORE COSTLY CHOICE, AND WRITE REQUEST TO ENGINEER FOR CLARIFICATION.
2. PROVIDE, LABOR, MATERIALS, EQUIPMENT, FEES, AND PERMITS NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE CONSTRUCTION DOCUMENTS.
3. CONSTRUCTION DOCUMENTS PRESENT THE GENERAL DESIGN, ARRANGEMENT AND EXTENT OF SYSTEMS. COMPLETE DETAIL IS NOT PRESENTED. DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THEIR SMALL SCALE, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION. PROVIDE SYSTEMS COMPLETE AND OPERATIONAL AND IN COMPLIANCE WITH DESIGN INTENT. OBTAIN PERMISSION VIA RFI FROM ENGINEER PRIOR TO MAKING MAJOR DEVIATIONS FROM CONSTRUCTION DOCUMENTS. EXAMPLES OF MAJOR DEVIATIONS ARE CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES, OR MATERIALS.
4. PROVIDE CONTROL ITEMS NECESSARY TO SATISFY THE FUNCTIONAL REQUIREMENTS OF THE SEQUENCE OF OPERATION AND SPECIFICATIONS. (CONTROL SYSTEM DIAGRAMS SHOWN ON THE DRAWINGS ARE SCHEMATIC REPRESENTATIONS.) PROVIDE SYSTEMS COMPLETE IN ALL RESPECTS, INSTALLED INTO OPERATION AND CALIBRATED UNDER OPERATING CONDITIONS.
5. INSTALL EQUIPMENT IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S WRITTEN RECOMMENDATIONS. PROVIDE FITTINGS, TRANSITIONS, VALVES, DAMPERS, AND OTHER SIMILAR DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
6. ASSEMBLE EQUIPMENT SHIPPED IN SECTIONS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
7. PROPERLY AND FULLY LUBRICATE EQUIPMENT BEFORE OPERATING IT.
8. PROPERLY AND FULLY CHARGE EQUIPMENT BEFORE OPERATING IT.
9. REPAIR OR REPLACE PARTS OF THIS WORK THAT FAIL, ARE UNFIT, OR BECOME DAMAGED DURING CONSTRUCTION WITH NO CHANGE TO THE CONTRACT PRICE.
10. EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE SITE ALTITUDE.
11. EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY.

PROTECT:

1. PROTECT EXISTING STRUCTURES AND EQUIPMENT DURING THE EXECUTION OF THIS CONTRACT.
2. REPAIR AREAS AFFECTED BY WORK TO THEIR ORIGINAL CONDITION OR BETTER.

DEFINITIONS:

1. ACTION SUBMITTALS: WRITTEN AND GRAPHIC INFORMATION THAT REQUIRES DESIGN PROFESSIONAL'S RESPONSIVE ACTION. ACTION SUBMITTALS INCLUDE PRODUCT DATA, SHOP DRAWINGS, SAMPLES, PRODUCT SCHEDULE OR LIST.
2. INFORMATIONAL SUBMITTALS: WRITTEN INFORMATION THAT DOES NOT REQUIRE DESIGN PROFESSIONAL'S RESPONSIVE ACTION. SUBMITTALS MAY BE REJECTED FOR NOT COMPLYING WITH REQUIREMENTS. INFORMATION SUBMITTALS INCLUDE COORDINATION DRAWINGS, WELDING CERTIFICATES, QUALIFICATION DATA, INSTALLER CERTIFICATES, MANUFACTURER CERTIFICATES, PRODUCT CERTIFICATES, MATERIAL CERTIFICATIONS, MATERIAL TEST REPORTS, PRODUCT TEST REPORTS, FIELD TEST REPORTS, OPERATION AND MAINTENANCE DATA, MANUFACTURER'S INSTRUCTIONS, MANUFACTURER'S FIELD REPORTS, INSURANCE CERTIFICATES AND BONDS, MATERIAL SAFETY DATA SHEETS AND RECOMMENDED SPARE PARTS LISTS.
3. FURNISH: OBTAIN AND DELIVER TO ON-SITE STORAGE IN ORIGINAL FACTORY PACKAGING.
4. INSTALL: UNPACK, MOVE TO FINAL LOCATION, MAKE CONNECTIONS, AND PLACE INTO FINAL SERVICE ACCORDING TO PROCEDURES IDENTIFIED IN PART 3 OF APPLICABLE SECTION(S).
5. PROVIDE: FURNISH AND INSTALL.
6. ROOF-CURB HEIGHT: VERTICAL DISTANCE FROM HIGHEST POINT OF ADJACENT FINISHED ROOF TO LOWEST POINT OF SUPPORTED EQUIPMENT (INCLUDING ITS STRUCTURAL SUPPORT). PROVIDE MINIMUM HEIGHT OF 8 INCHES UNLESS INDICATED TO BE TALLER.

KEEP RECORDS:

1. DURING CONSTRUCTION, MAINTAIN A SET OF AS-BUILT, RED-LINED, RECORD DRAWINGS AT THE PROJECT SITE. RECORD CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, AND ACCESSORIES. RECORD CHANGES DUE TO CHANGES IN SUPPLIED EQUIPMENT. AFTER ENGINEER'S FINAL INSPECTION PROVIDE RECORD DRAWINGS TO ENGINEER.

COORDINATE:

1. PRIOR TO ORDERING, FABRICATING, OR INSTALLING WORK, COORDINATE MECHANICAL WORK WITH WORK OF OTHER SUBCONTRACTORS AND WITH CONTRACTORS HIRED DIRECTLY BY THE OWNER. EXAMPLES OF WORK BY OTHERS INCLUDE BUT ARE NOT LIMITED TO CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, REFRIGERATION, AND ELECTRICAL WORK. WHERE CONFLICTS OCCUR, RESOLVE THEM PRIOR TO FABRICATION AND INSTALLATION.
2. DURING INSTALLATION, RESOLVE CONFLICTS AND MAKE CHANGES RESULTING FROM LACK OF CONTRACTOR COORDINATION WITH NO CHANGE TO THE CONTRACT PRICE.
3. LOCATIONS AND SIZES OF SERVICE CONNECTIONS TO EQUIPMENT, FLOOR AND WALL OPENINGS, SUPPORTS, CONCRETE PADS, FOUNDATIONS, SPACE ARRANGEMENTS, ELECTRICAL POWER, AND OTHER SIMILAR PROVISIONS FOR EQUIPMENT ARE BASED ON PRELIMINARY INFORMATION, WHICH WAS AVAILABLE DURING DESIGN, TO SHOW DESIGN INTENT AND SPACE ALLOCATION. ACTUAL CONDITIONS MAY VARY DEPENDING ON CONFIGURATION OF PURCHASED EQUIPMENT. PRIOR TO INITIATING WORK, VERIFY ABOVE TYPES OF INFORMATION FROM EQUIPMENT DRAWINGS CERTIFIED FOR MANUFACTURE BY RESPECTIVE EQUIPMENT MANUFACTURERS. MAKE MODIFICATIONS FROM WHAT IS SHOWN IN CONSTRUCTION DOCUMENTS TO PROVIDE SUCCESSFUL EQUIPMENT INSTALLATION WITH NO CHANGE IN CONTRACT PRICE. SUBMIT A SCHEDULE OF SUCH CHANGES FOR REVIEW PRIOR TO INITIATING WORK. DOCUMENT REVIEWED CHANGES ON RECORD DRAWINGS.
4. NOTIFY THE ENGINEER IN WRITING OF EXISTING CONDITIONS THAT DIFFER FROM THOSE SHOWN IN CONTRACT DOCUMENTS. THE ENGINEER WILL EVALUATE THE DIFFERENCES, AND IF NECESSARY, REDESIGN FOR THE CONDITIONS FOUND.
5. DO NOT SCALE OFF CONSTRUCTION DOCUMENTS. COORDINATE INSTALLATION WITH FIELD CONDITIONS.
6. WHERE BUILDING ELEMENTS (FOR EXAMPLE, DOOR FRAMES, PORTIONS OF WALLS, PORTIONS OF FLOORS, ETC.) HINDER REMOVAL OF EXISTING OR INSTALLATION OF NEW EQUIPMENT, REMOVE AND REPLACE SUCH ELEMENTS. UPON SUBSTANTIAL COMPLETION, ENSURE THAT BUILDING ELEMENTS MATCH THEIR ORIGINAL CONDITIONS.
7. PROVIDE MOTORS THAT ARE INTEGRAL WITH EQUIPMENT. PROVIDE MOTOR STARTERS FOR MOTORS THAT ARE INTEGRAL WITH EQUIPMENT. MOTOR STARTERS FOR MOTORS ARE THAT ARE NOT INTEGRAL WITH EQUIPMENT WILL BE PROVIDED BY UNDER DIVISION 26.
8. ROUTE NOTHING DIRECTLY ABOVE ELECTRICAL-PANEL FOOTPRINTS. PROVIDE CLEAR, FULL-WIDTH, 4-FT ZERO-INCH DEEP BY 6-FT 6-INCH HIGH ACCESS SPACE IN FRONT OF ELECTRICAL PANELS.
9. ROUTE NEITHER DUCTS NOR PIPES INTO OR THROUGH ELECTRICAL ROOMS EXCEPT FOR DUCTS AND PIPES SERVING THE ROOM.
10. ROUTE NEITHER DUCTS NOR PIPES INTO OR THROUGH ELEVATOR SHAFTS OR ELEVATOR EQUIPMENT ROOMS EXCEPT FOR DUCTS AND PIPES SERVING THE SHAFT OR ROOM.
11. REVIEW CONSTRUCTION DOCUMENT'S EQUIPMENT AND SYSTEM SCHEMATICS AND DIAGRAMS FOR CONNECTIONS TO AND ARRANGEMENTS OF MECHANICAL DEVICES AND EQUIPMENT. PROVIDE VALVES, FITTINGS, SENSORS, GAUGES, AND OTHER SIMILAR DEVICES SHOWN IN SCHEMATICS AND DIAGRAMS THAT ARE NOT SHOWN ON PLANS. (FOR CLARITY, MANY SUCH DEVICES ARE NOT SHOWN ON PLANS.)
12. PROVIDE LINE-VOLTAGE AND LOW VOLTAGE CONTROL WIRING. POWER AND INTERLOCK WIRING WILL BE INSTALLED UNDER DIVISION 26.
13. DO NOT USE STEEL ROOF DECK TO SUPPORT LOADS FROM PIPING, DUCTWORK, OR EQUIPMENT UNLESS NOTED OTHERWISE. HANGER LOADS LESS THAN 50 LBS MAY BE HUNG FROM THE STEEL ROOF DECK IN CASES WHEN HANGING FROM THE STEEL ROOF DECK CANNOT BE AVOIDED. THE ATTACHMENT METHOD SHALL DISTRIBUTE THE LOAD ACROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.
14. INSTALL FLOOR-MOUNTED EQUIPMENT ON CONCRETE PADS WITH A MINIMUM THICKNESS OF 6-INCHES. FOR FLOOR-MOUNTED EQUIPMENT WITH TRAPS, INCREASE THICKNESS OF CONCRETE PAD TO ACCOMMODATE REQUIREMENTS OF TRAP. CONSTRUCT CONCRETE PAD 3 INCHES WIDER (IN EACH DIRECTION) THAN EQUIPMENT FOOT PRINT.
15. PROVIDE APPROPRIATE PROVISIONS FOR EXPANSION OR MOVEMENT OF PIPING.
16. SECURE PIPING HANGERS BY DOUBLE NUTTING AT BOTH THE PIPE HANGER AND THE HANGER ROD ATTACHMENT TO STRUCTURE.
17. CEILING SPACES WILL BE USED AS AIR PLENUMS. PRELIMINARY DESIGN INSPECTION REVEALED A COMPLIANT SPACE (NO COMBUSTIBLES). WATCH FOR COMBUSTIBLES DURING CONSTRUCTION AND REPORT DISCOVERY OF COMBUSTIBLES TO ENGINEER IN WRITING IMMEDIATELY UPON DISCOVERY.
18. COORDINATE ROOF WORK WITH OWNER TO MAINTAIN WARRANTY OF ROOFING SYSTEM.

CONTROL QUALITY:

1. MECHANICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPROPRIATE LOCAL AND NATIONAL MECHANICAL BUILDING CODES.
2. TAKE RESPONSIBILITY FOR EQUIPMENT CHECK-IN, SAFEKEEPING, AND DAMAGE PREVENTION.
3. UNSPECIFIED EQUIPMENT OR SYSTEMS SHALL BE REPRESENTED BY DULY AUTHORIZED DISTRIBUTORS WITH SERVICE DEPARTMENTS REGULARLY ENGAGED IN THE MAINTENANCE AND INSTALLATION OF THESE SYSTEMS AND EQUIPMENT. SUCH SERVICE DEPARTMENTS SHALL REGULARLY STOCK STANDARD REPLACEMENT PARTS AND EQUIPMENT AND SHALL BE LOCATED WITHIN A REASONABLE DISTANCE FROM THE INSTALLATION SITE.
4. WHENEVER A MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT IS IDENTIFIED ON THE DRAWINGS BY REFERENCE TO MANUFACTURERS, VENDORS NAMES, TRADE NAMES, CATALOG NUMBERS, OR THE LIKE, IT IS SO IDENTIFIED FOR THE PURPOSE OF ESTABLISHING A STANDARD. MATERIALS, ARTICLES, OR PIECES OF EQUIPMENT FROM OTHER MANUFACTURERS OR VENDORS, WHICH WILL ADEQUATELY PERFORM THE DUTIES IMPOSED BY THE GENERAL DESIGN, WILL BE CONSIDERED EQUALLY ACCEPTABLE PROVIDED THEY ARE OF EQUAL SUBSTANCE, APPEARANCE, AND FUNCTION.
5. MEASURE INDICATED MOUNTING HEIGHTS TO BOTTOM OF UNIT FOR SUSPENDED ITEMS AND TO CENTER OF UNIT FOR WALL-MOUNTING ITEMS.
6. IF MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED, ARRANGE AND INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE MAXIMUM POSSIBLE HEADROOM.

PROVIDE SERVICEABILITY:

1. PROVIDE ACCESS PANELS TO ENABLE ACCESS TO DEVICES REQUIRING SERVICE OR OPERATION. ACCESS PANELS ARE NOT REQUIRED WHERE ACCESS IS READILY ACCOMPLISHABLE THROUGH NORMALLY REMOVABLE FEATURES SUCH AS LAY-IN CEILINGS PANELS.
2. PROVIDE SERVICE CLEARANCES AROUND EQUIPMENT AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

ADDRESS PENETRATIONS:

1. IN FIRE AND SMOKE RATED BARRIERS, PROVIDE FIRE STOPPING ASSEMBLIES LISTED BY A RECOGNIZED INDEPENDENT TESTING LABORATORY AND MATCHED TO FIELD CONDITIONS. (COORDINATE WITH DIVISION 7.)
2. COORDINATE WITH CONSTRUCTION MANAGER FOR ABATEMENT PRIOR TO NEW PENETRATIONS.

DRAWN:	AJL
DESIGNED:	AJL
CHECKED:	DMS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

GENERAL MECHANICAL NOTES AND SYMBOL LEGEND

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: MP001

DEMOLISH DUCT AS REQUIRED FOR NEW IT ROOM AND CAP. DUCTWORK SHALL NOT SERVE NEW IT ROOM.

DISCONNECT STEAM PIPING AND REROUTE. CONTRACTOR TO FIELD VERIFY EXISTING ROUTING AND NEW ROUTING. STEAM PIPING SHALL NOT BE ROUTED THROUGH NEW IT ROOM.

2 MD110 DUCTWORK AND STEAM PIPE DEMOLITION WORK
NO SCALE

DISCONNECT STEAM PIPING AND REROUTE. CONTRACTOR TO FIELD VERIFY EXISTING ROUTING AND NEW ROUTING. STEAM PIPING SHALL NOT BE ROUTED THROUGH NEW IT ROOM.

REROUTE STEAM PIPING AROUND NEW IT ROOM.

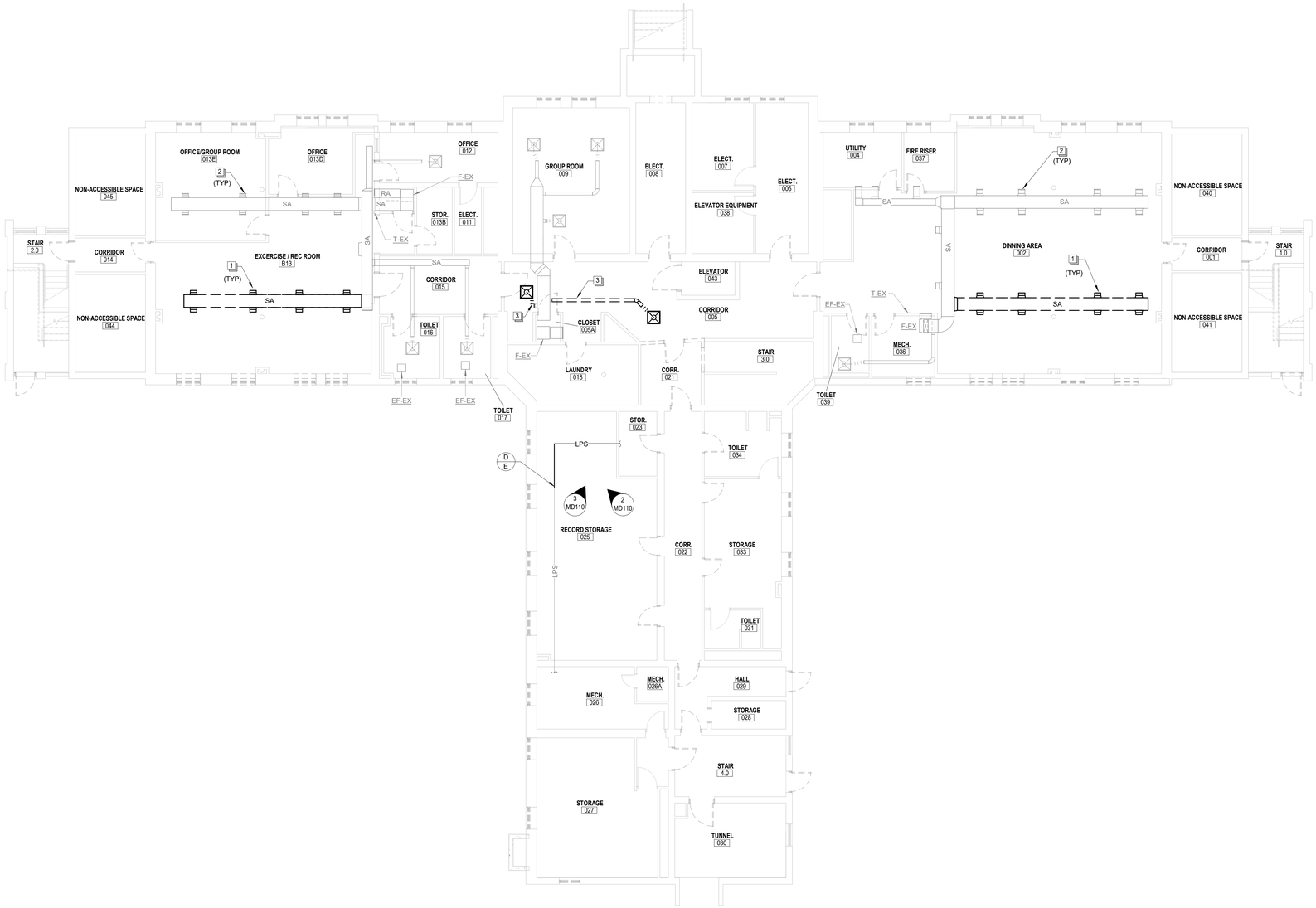
3 MD110 STEAM PIPE DEMOLITION WORK
NO SCALE

GENERAL DEMOLITION NOTES

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

KEYNOTES

1. DEMOLISH SUPPLY DUCTWORK AS REQUIRED FOR NEW ROOM LAYOUT, FIELD VERIFY LOCATION AND ROUTING. DETERMINE AIRFLOW PRIOR TO DEMOLITION WORK.
2. VERIFY AIRFLOW PRIOR TO DEMOLITION WORK. PROVIDE REPORT OF EXISTING AIRFLOWS TO ENGINEER.
3. DEMOLISH DUCTWORK BACK TO MAIN AND CAP. SEE NEW WORK.



1 MD110 MECHANICAL DEMOLITION PLAN - BASEMENT LEVEL
1/8" = 1'-0"
NORTH

DRAWN: AJL
DESIGNED: AJL
CHECKED: DMS
PROJ. MNGR: MJM

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

MECHANICAL DEMOLITION PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

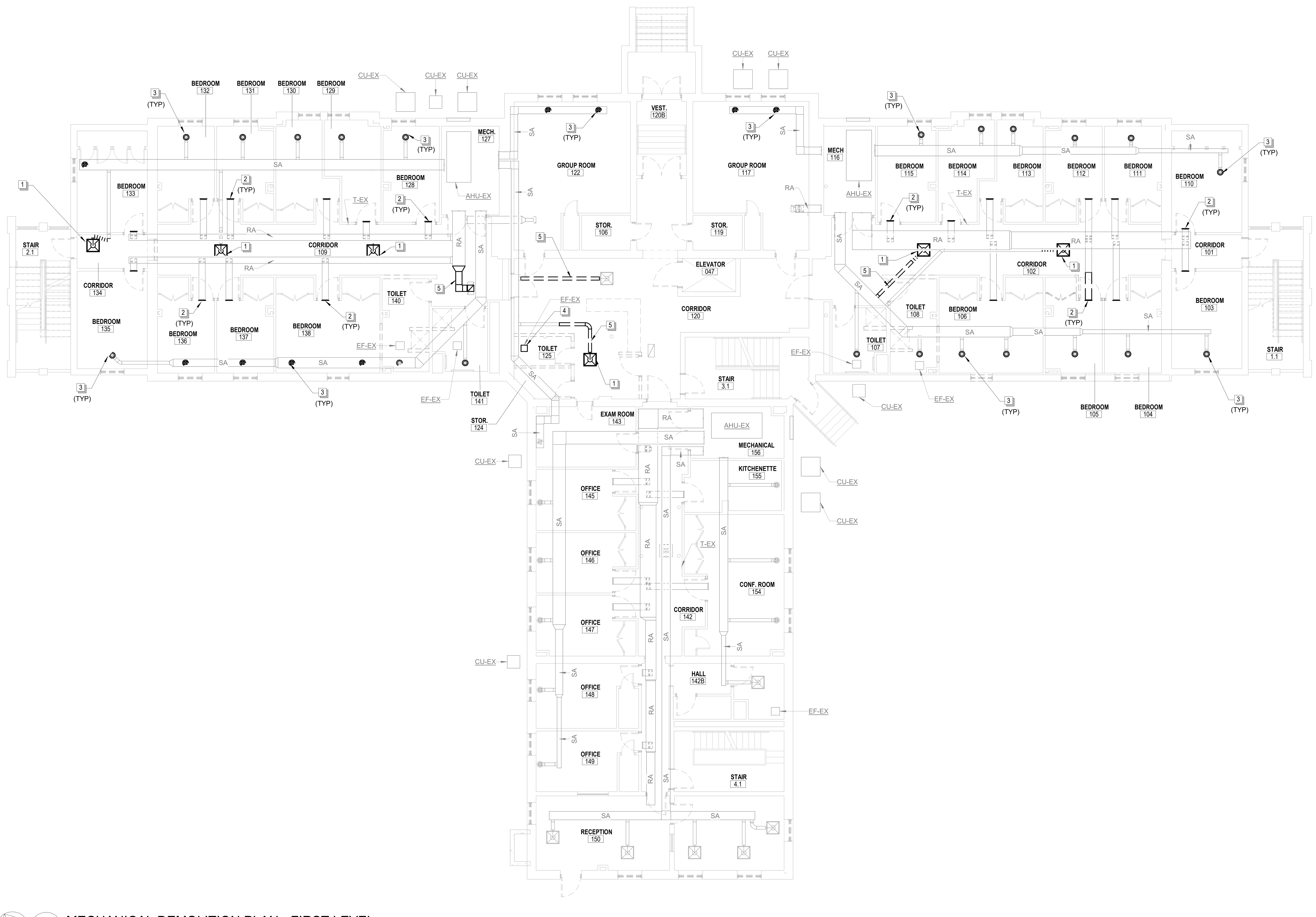
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: MD110

GENERAL DEMOLITION NOTES

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

KEYNOTES

1. DISCONNECT DIFFUSER AND RELOCATE, SEE NEW WORK.
2. DEMOLISH RETURN GRILLE AND DUCTWORK AS REQUIRED, SEE NEW WORK.
3. DEMOLISH SUPPLY DIFFUSER IN ITS ENTIRETY, PREPARE DUCTWORK FOR NEW DIFFUSER. MODIFY DUCTWORK AS REQUIRED FOR NEW WORK. FIELD VERIFY LOCATION.
4. DISCONNECT EXHAUST FAN AND REMOVE FOR CEILING WORK. UNIT TO BE SALVAGED AND REINSTALLED. FIELD VERIFY LOCATION, COORDINATE WITH CEILING WORK.
5. DEMOLISH DUCTWORK, FIELD VERIFY ROUTING. SEE NEW WORK.



1 MD111 MECHANICAL DEMOLITION PLAN - FIRST LEVEL
1/8" = 1'-0"

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: AJL
DESIGNED: AJL
CHECKED: DMS
PROJ. MNGR: MJM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

MECHANICAL DEMOLITION PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: MD111

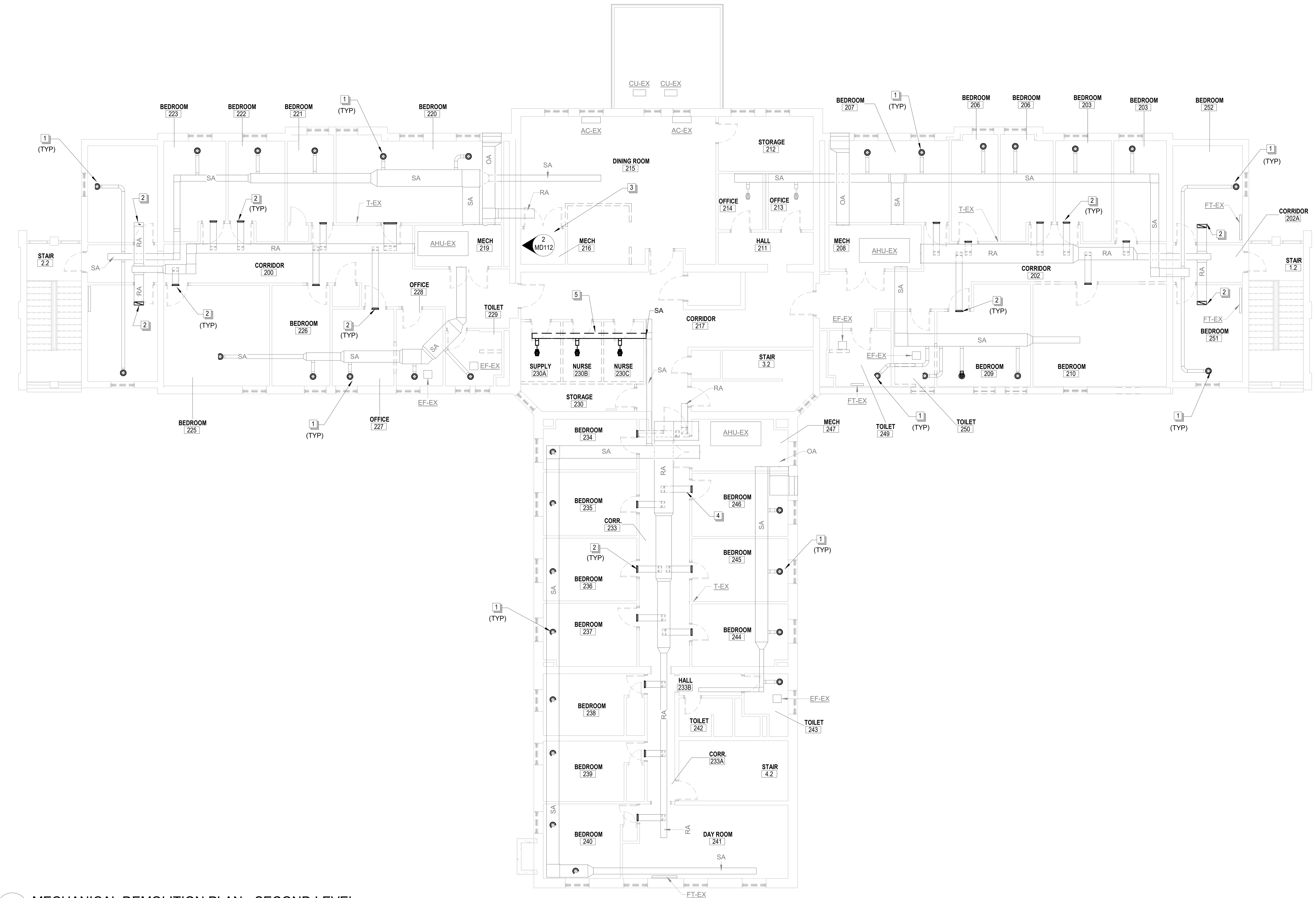
2 MD112 EXISTING PIPING
NO SCALE

GENERAL DEMOLITION NOTES

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

KEYNOTES

1. DEMOLISH SUPPLY DIFFUSER IN ITS ENTIRETY, PREPARE DUCTWORK FOR NEW DIFFUSER. MODIFY DUCTWORK AS REQUIRED FOR NEW WORK. FIELD VERIFY LOCATION.
2. DEMOLISH RETURN GRILLE AND DUCTWORK AS REQUIRED, SEE NEW WORK.
3. DEMOLISH ANY ABANDONED PIPING SERVING THIS ROOM TO BELOW FLOOR AND CAP. FIELD VERIFY LOCATION.
4. MODIFY RETURN DUCTWORK AS REQUIRED FOR NEW CEILING WORK. COORDINATE WITH CEILING DEMOLITION.
5. DEMOLISH DUCTWORK, FIELD VERIFY ROUTING. SEE NEW WORK.



1 MD112 MECHANICAL DEMOLITION PLAN - SECOND LEVEL
1/8" = 1'-0"
NORTH

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: AJL
DESIGNED: AJL
CHECKED: DMS
PROJ. MNGR: MJM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

MECHANICAL DEMOLITION PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

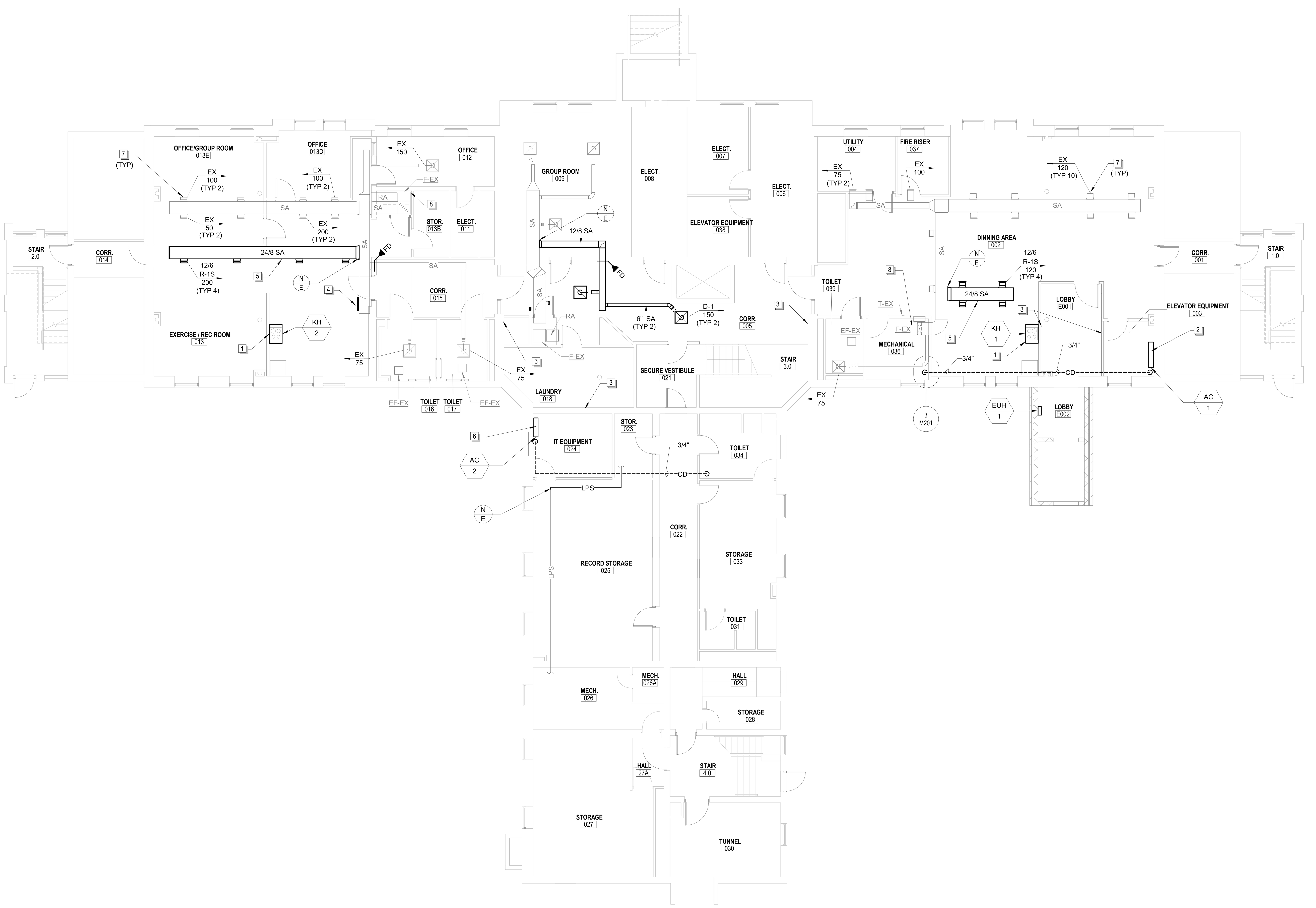
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: MD112

GENERAL NOTES:

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. FIRE DAMPERS SHOWN ARE 1-1/2 HOUR UNLESS OTHERWISE NOTED.
3. PROVIDE VOLUME DAMPERS IN DUCT BRANCHES TO AIR OUTLETS. PROVIDE NECESSARY DAMPERS TO BALANCE THE AIR DISTRIBUTION SYSTEM TO WITHIN +/- 5% OF THE AIR QUANTITIES SHOWN ON CONSTRUCTION DOCUMENTS. DAMPERS ARE REQUIRED EVEN WHERE AIR-OUTLET DEVICES HAVE INTEGRAL DAMPERS.
4. PROVIDE NO MORE THAN ONE THREE-FOOT LONG RUN (MAXIMUM) OF FLEXIBLE DUCT TURNING NO MORE THAN NINETY DEGREES BETWEEN AN INDIVIDUAL AIR-DISTRIBUTION DEVICE AND HARD DUCTWORK CONNECTING TO THE OUTLET OF AN AIR-TERMINAL UNIT. FLEXIBLE DUCT IS ALLOWED ONLY TO EASE THE FINAL CONNECTION OF AIR-DISTRIBUTION DEVICES TO HARD DUCTWORK.
5. DUCT DIMENSIONS SHOWN ON CONSTRUCTION DOCUMENTS ARE CLEAR, INSIDE DIMENSIONS UNLESS INDICATED OTHERWISE. INCREASE OUTSIDE DUCT DIMENSIONS TO ACCOMMODATE INDICATED THICKNESS OF DUCT LINER.
6. CONSTRUCT DUCTWORK IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA STANDARDS EXCEPT PROVIDE TURNING VANES IN SQUARE-THROAT ELBOWS.
7. ENCLOSE DUCT AND FLUE PENETRATIONS THROUGH 1-HOUR ROOF ASSEMBLY WITH TWO LAYERS OF SHEET ROCK. EXTEND SHEET-ROCK ENCLOSURE FROM SHEET ROCK AT BOTTOM OF ROOF TRUSSES TO ROOF DECK.
8. MOUNT ROOM SENSORS AT A HEIGHT APPROVED BY APPLICABLE CODE OR REGULATIONS. IF NOT REGULATED, MOUNT ROOM SENSORS FOUR FEET ABOVE FINISHED FLOOR LEVEL.
9. TAKE SPECIAL CARE TO MOUNT EXPOSED DEVICES SQUARELY AND IN A COMPLEMENTARY MANNER TO ROOM FINISHES.
10. COORDINATE LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
11. PROVIDE CEILING RADIATION DAMPERS FOR ANY DIFFUSERS LOCATED IN FIRE RATED CEILING.
12. CONTRACTOR TO PROVIDE FIRE SEALANT AROUND ANY DUCTWORK OR PIPE PENETRATIONS THROUGH FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL DRAWINGS ON LOCATIONS OF FIRE RATED WALLS.

KEYNOTES #

1. PROVIDE NEW UL300A KITCHEN HOOD FOR RANGE. FIELD VERIFY LOCATION.
2. PROVIDE WALL MOUNTED MINI SPLIT UNIT. CONDENSATE PIPING SHALL BE ROUTED TO MECHANICAL 036 AND CONNECT INTO EXISTING SINK WASTE LINE. FIELD VERIFY LOCATION AND ROUTING. BOTTOM OF UNIT SHALL BE MOUNTED 7'-0" AFF.
3. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS.
4. PROVIDE CAP ON DUCTWORK, FIELD VERIFY LOCATION.
5. COORDINATE ROUTING WITH EXISTING LIGHTS AND SPRINKLER PIPING. FIELD VERIFY FINAL LOCATION.
6. PROVIDE WALL MOUNTED MINI SPLIT UNIT. CONDENSATE PIPING SHALL BE ROUTED TO RR 034 AND TERMINATE WITH AN AIR GAP AT MOP SINK. FIELD VERIFY LOCATION AND ROUTING. BOTTOM OF UNIT SHALL BE MOUNTED AT 7'-0" AFF.
7. REBALANCE AIRFLOW. FIELD VERIFY LOCATION.
8. AIRFLOW FOR UNIT SHALL BE REBALANCED. SEE TAB SPECIFICATION SECTION 230593.



NORTH

3 M110 MECHANICAL PLAN - BASEMENT LEVEL

1/8" = 1'-0"

DRAWN:	AJL
DESIGNED:	AJL
CHECKED:	DMS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

MECHANICAL PLAN - BASEMENT LEVEL

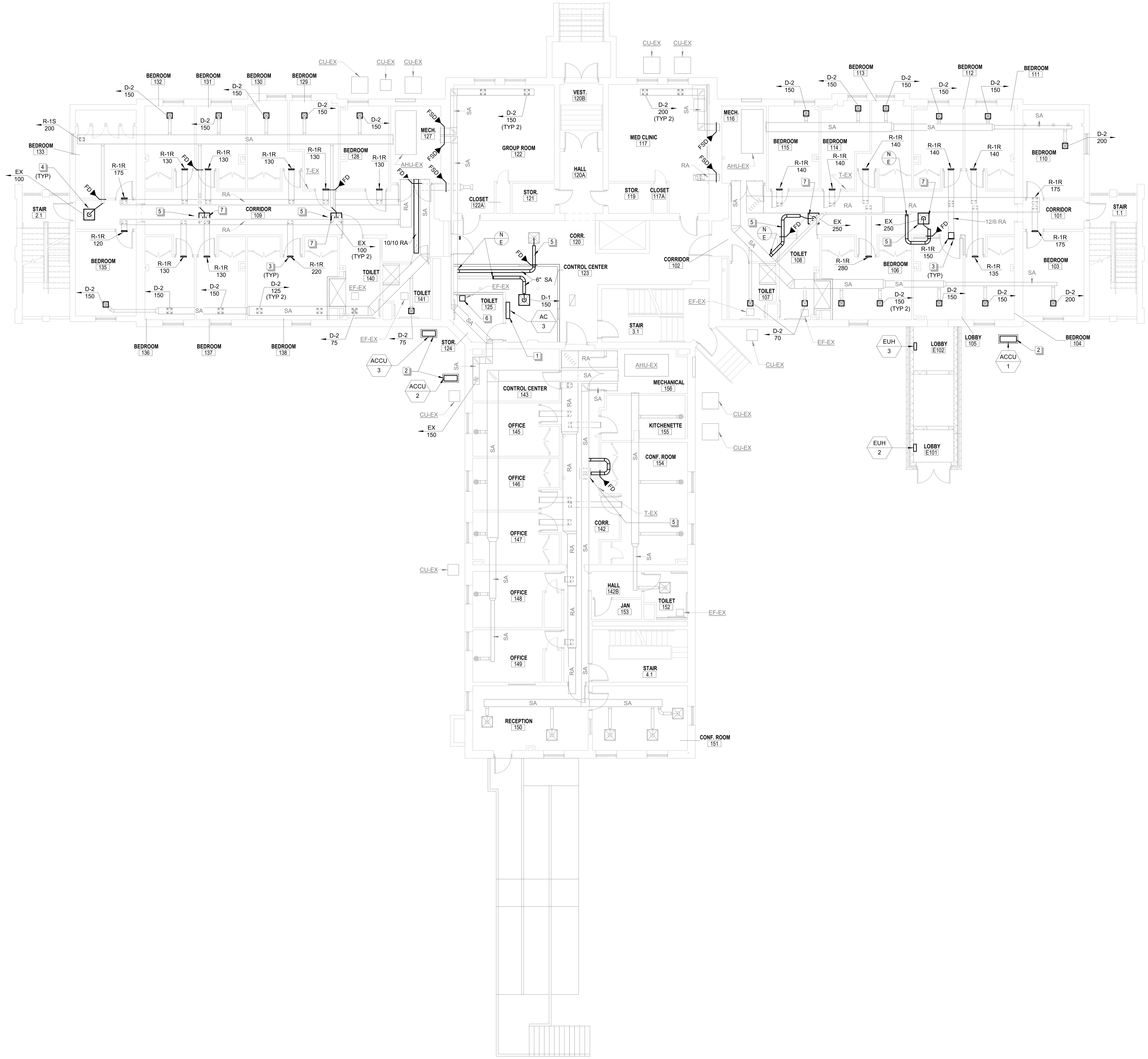
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: M110



1 M111 MECHANICAL PLAN - FIRST LEVEL
1/8" = 1'-0"

GENERAL NOTES:

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. FIRE DAMPERS SHOWN ARE 1-1/2 HOUR UNLESS OTHERWISE NOTED.
3. PROVIDE VOLUME DAMPERS IN DUCT BRANCHES TO AIR OUTLETS. PROVIDE NECESSARY DAMPERS TO BALANCE THE AIR DISTRIBUTION SYSTEM TO WITHIN +/- 5% OF THE AIR QUANTITIES SHOWN ON CONSTRUCTION DOCUMENTS. DAMPERS ARE REQUIRED EVEN WHERE AIR-OUTLET DEVICES HAVE INTEGRAL DAMPERS.
4. PROVIDE NO MORE THAN ONE THREE-FOOT LONG RUN (MAXIMUM) OF FLEXIBLE DUCT TURNING NO MORE THAN NINETY DEGREES BETWEEN AN INDIVIDUAL AIR-DISTRIBUTION DEVICE AND HARD DUCTWORK CONNECTING TO THE OUTLET OF AN AIR-TERMINAL UNIT. FLEXIBLE DUCT IS ALLOWED ONLY TO EASE THE FINAL CONNECTION OF AIR-DISTRIBUTION DEVICES TO HARD DUCTWORK.
5. DUCT DIMENSIONS SHOWN ON CONSTRUCTION DOCUMENTS ARE CLEAR, INSIDE DIMENSIONS UNLESS INDICATED OTHERWISE. INCREASE OUTSIDE DUCT DIMENSIONS TO ACCOMMODATE INDICATED THICKNESS OF DUCT LINER.
6. CONSTRUCT DUCTWORK IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA STANDARDS EXCEPT PROVIDE TURNING VANES IN SQUARE-THROAT ELBOWS.
7. ENCLOSE DUCT AND FLUE PENETRATIONS THROUGH 1-HOUR ROOF ASSEMBLY WITH TWO LAYERS OF SHEET ROCK. EXTEND SHEET-ROCK ENCLOSURE FROM SHEET ROCK AT BOTTOM OF ROOF TRUSSES TO ROOF DECK.
8. MOUNT ROOM SENSORS AT A HEIGHT APPROVED BY APPLICABLE CODE OR REGULATIONS. IF NOT REGULATED, MOUNT ROOM SENSORS FOUR FEET ABOVE FINISHED FLOOR LEVEL.
9. TAKE SPECIAL CARE TO MOUNT EXPOSED DEVICES SQUARELY AND IN A COMPLEMENTARY MANNER TO ROOM FINISHES.
10. COORDINATE LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
11. PROVIDE CEILING RADIATION DAMPERS FOR ANY DIFFUSERS LOCATED IN FIRE RATED CEILING.
12. CONTRACTOR TO PROVIDE FIRE SEALANT AROUND ANY DUCTWORK OR PIPE PENETRATIONS THROUGH FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL DRAWINGS ON LOCATIONS OF FIRE RATED WALLS.

KEYNOTES

1. PROVIDE NEW WALL MOUNTED MINI SPLIT UNIT. CONDENSATE PIPING SHALL BE CONNECTED INTO WASTE LINE OF THE LAVATORY IN TOILET 125. FIELD VERIFY LOCATION AND ROUTING. BOTTOM OF UNIT SHALL BE MOUNTED AT 7'-6" AFF.
2. CONDENSER SHALL BE MOUNTED ON GROUND. PROVIDE CONCRETE EQUIPMENT PAD, FIELD VERIFY LOCATION.
3. PROVIDE NEW RETURN GRILLE IN WALL, REBALANCE TO EXISTING AIRFLOW. FIELD VERIFY LOCATION.
4. REBALANCE AIRFLOW. FIELD VERIFY LOCATION.
5. DUCTWORK SERVING CORRIDORS SHALL BE REROUTED AS REQUIRED TO INSTALL FIRE DAMPER. FIELD VERIFY ROUTING AND FINAL LOCATION.
6. REINSTALL EXISTING EXHAUST FAN. FIELD COORDINATE WITH EXISTING STRUCTURE.
7. RELOCATED DIFFUSER, COORDINATE WITH LIGHTS.

DRAWN: AJL
DESIGNED: AJL
CHECKED: DMS
PROJ. MNGR: MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

MECHANICAL PLANS - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

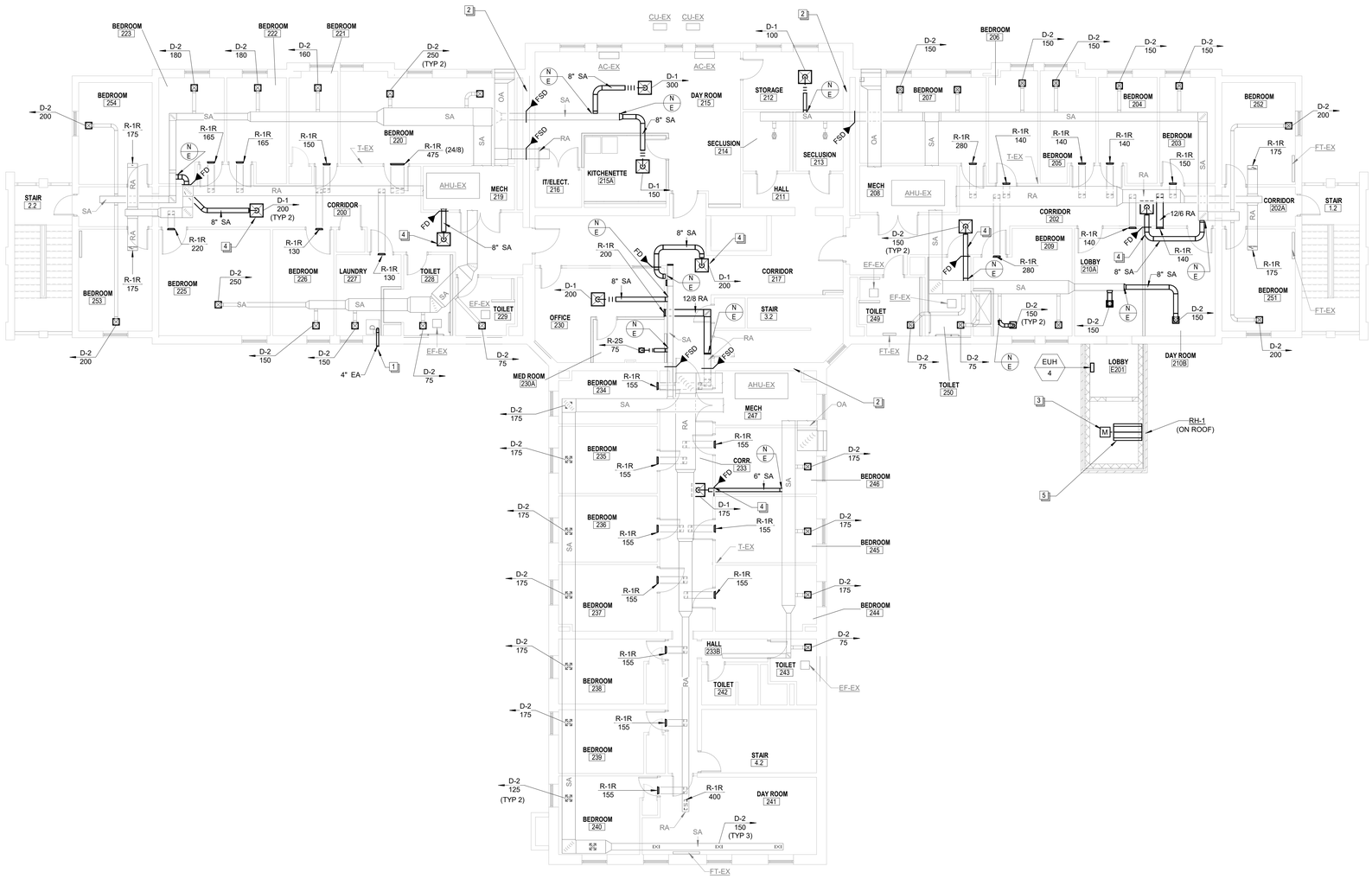
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: M111

GENERAL NOTES:

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. FIRE DAMPERS SHOWN ARE 1-1/2 HOUR UNLESS OTHERWISE NOTED.
3. PROVIDE VOLUME DAMPERS IN DUCT BRANCHES TO AIR OUTLETS. PROVIDE NECESSARY DAMPERS TO BALANCE THE AIR DISTRIBUTION SYSTEM TO WITHIN +/- 5% OF THE AIR QUANTITIES SHOWN ON CONSTRUCTION DOCUMENTS. DAMPERS ARE REQUIRED EVEN WHERE AIR-OUTLET DEVICES HAVE INTEGRAL DAMPERS.
4. PROVIDE NO MORE THAN ONE THREE-FOOT LONG RUN (MAXIMUM) OF FLEXIBLE DUCT TURNING NO MORE THAN NINETY DEGREES BETWEEN AN INDIVIDUAL AIR-DISTRIBUTION DEVICE AND HARD DUCTWORK CONNECTING TO THE OUTLET OF AN AIR-TERMINAL UNIT. FLEXIBLE DUCT IS ALLOWED ONLY TO EASE THE FINAL CONNECTION OF AIR-DISTRIBUTION DEVICES TO HARD DUCTWORK.
5. DUCT DIMENSIONS SHOWN ON CONSTRUCTION DOCUMENTS ARE CLEAR, INSIDE DIMENSIONS UNLESS INDICATED OTHERWISE. INCREASE OUTSIDE DUCT DIMENSIONS TO ACCOMMODATE INDICATED THICKNESS OF DUCT LINER.
6. CONSTRUCT DUCTWORK IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA STANDARDS EXCEPT PROVIDE TURNING VANES IN SQUARE-THROAT ELBOWS.
7. ENCLOSE DUCT AND FLUE PENETRATIONS THROUGH 1-HOUR ROOF ASSEMBLY WITH TWO LAYERS OF SHEET ROCK. EXTEND SHEET-ROCK ENCLOSURE FROM SHEET ROCK AT BOTTOM OF ROOF TRUSSES TO ROOF DECK.
8. MOUNT ROOM SENSORS AT A HEIGHT APPROVED BY APPLICABLE CODE OR REGULATIONS. IF NOT REGULATED, MOUNT ROOM SENSORS FOUR FEET ABOVE FINISHED FLOOR LEVEL.
9. TAKE SPECIAL CARE TO MOUNT EXPOSED DEVICES SQUARELY AND IN A COMPLEMENTARY MANNER TO ROOM FINISHES.
10. COORDINATE LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
11. PROVIDE CEILING RADIATION DAMPERS FOR ANY DIFFUSERS LOCATED IN FIRE RATED CEILING.
12. CONTRACTOR TO PROVIDE FIRE SEALANT AROUND ANY DUCTWORK OR PIPE PENETRATIONS THROUGH FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL DRAWINGS ON LOCATIONS OF FIRE RATED WALLS.

KEYNOTES [#]

1. ROUTE DRYER EXHAUST DUCTWORK TO EXTERIOR WALL AND TERMINATE INTO WALL CAP. WALL CAP SHALL HAVE A BUILT IN BACKDRAFT DAMPER. FIELD VERIFY FINAL LOCATION.
2. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS.
3. ROOF HOOD SHALL BE MOUNTED ON TOP OF ELEVATOR SHAFT. PROVIDE MOTORIZED DAMPER (MD-1), CONNECT INTO FIRE ALARM SYSTEM. DAMPER EX: GREENHECK VCD-20. DAMPER SHALL BE CLOSED DURING NORMAL BUILDING OPERATION AND INTERLOCKED WITH FIRE SYSTEM TO OPEN WHEN SMOKE OR FIRE IS DETECTED. COORDINATE ROOF HOOD OPENING WITH STRUCTURAL.
4. DUCTWORK SERVING CORRIDORS SHALL BE REROUTED AS REQUIRED TO INSTALL FIRE DAMPER. FIELD VERIFY ROUTING AND FINAL LOCATION.
5. PROVIDE DUCT FROM RH-1 TO CEILING RETURN GRILLE LOCATED IN THE GYPSUM CEILING IN ELEVATOR SHAFT. COORDINATE GRILLE LOCATION WITH ARCHITECTURAL AND STRUCTURAL. GRILLE SHALL BE 2'-0" X 2'-0" IN SIZE AND BE EGGCRATE TYPE. EX: TITUS 50F OR APPROVED EQUAL. DRAWN FOR CLARITY.



1 M112 MECHANICAL PLAN - SECOND LEVEL
1/8" = 1'-0"

NORTH

DRAWN:	A.J.L.
DESIGNED:	A.J.L.
CHECKED:	D.M.S.
PROJ. MNGR:	M.J.M.

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE		
09-01-2023		

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

MECHANICAL PLAN - SECOND LEVEL

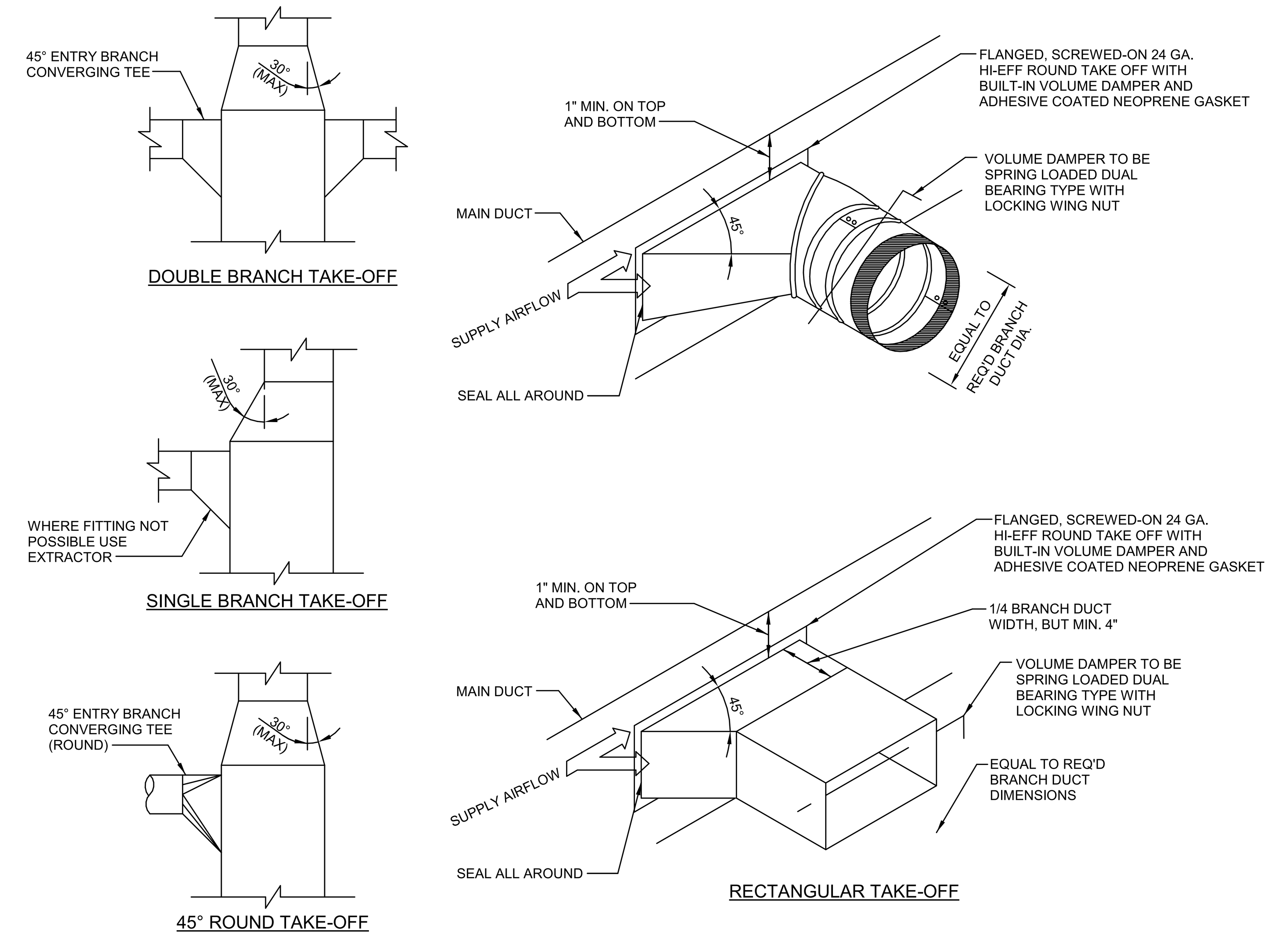
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

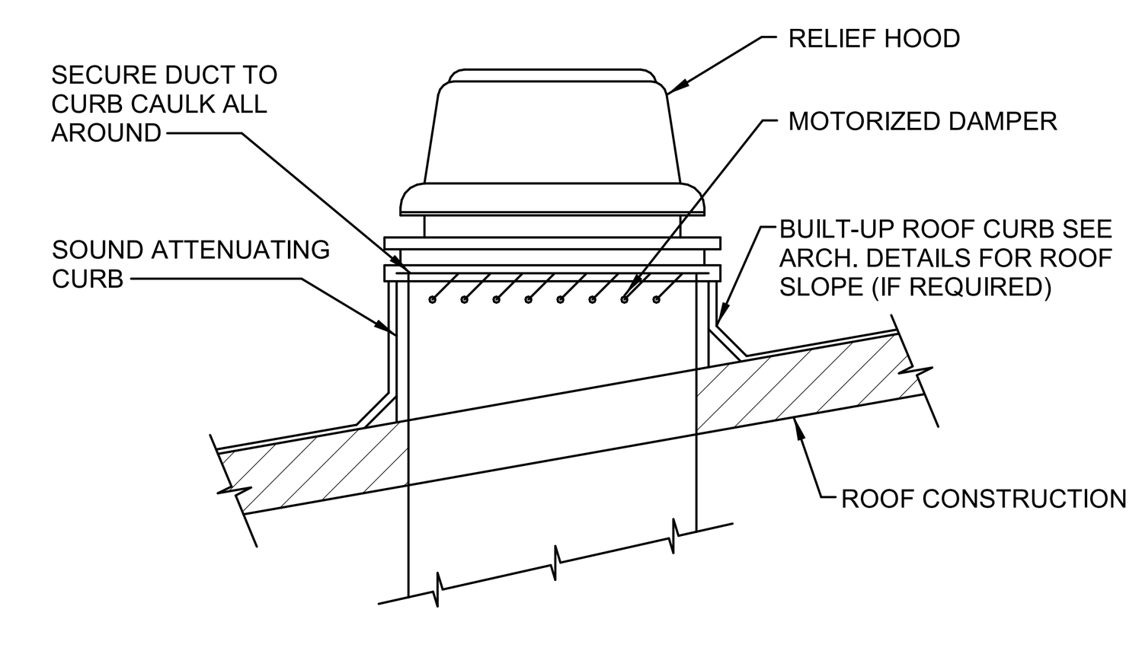
DATE: 09-01-2023

JOB NUMBER: 257-014

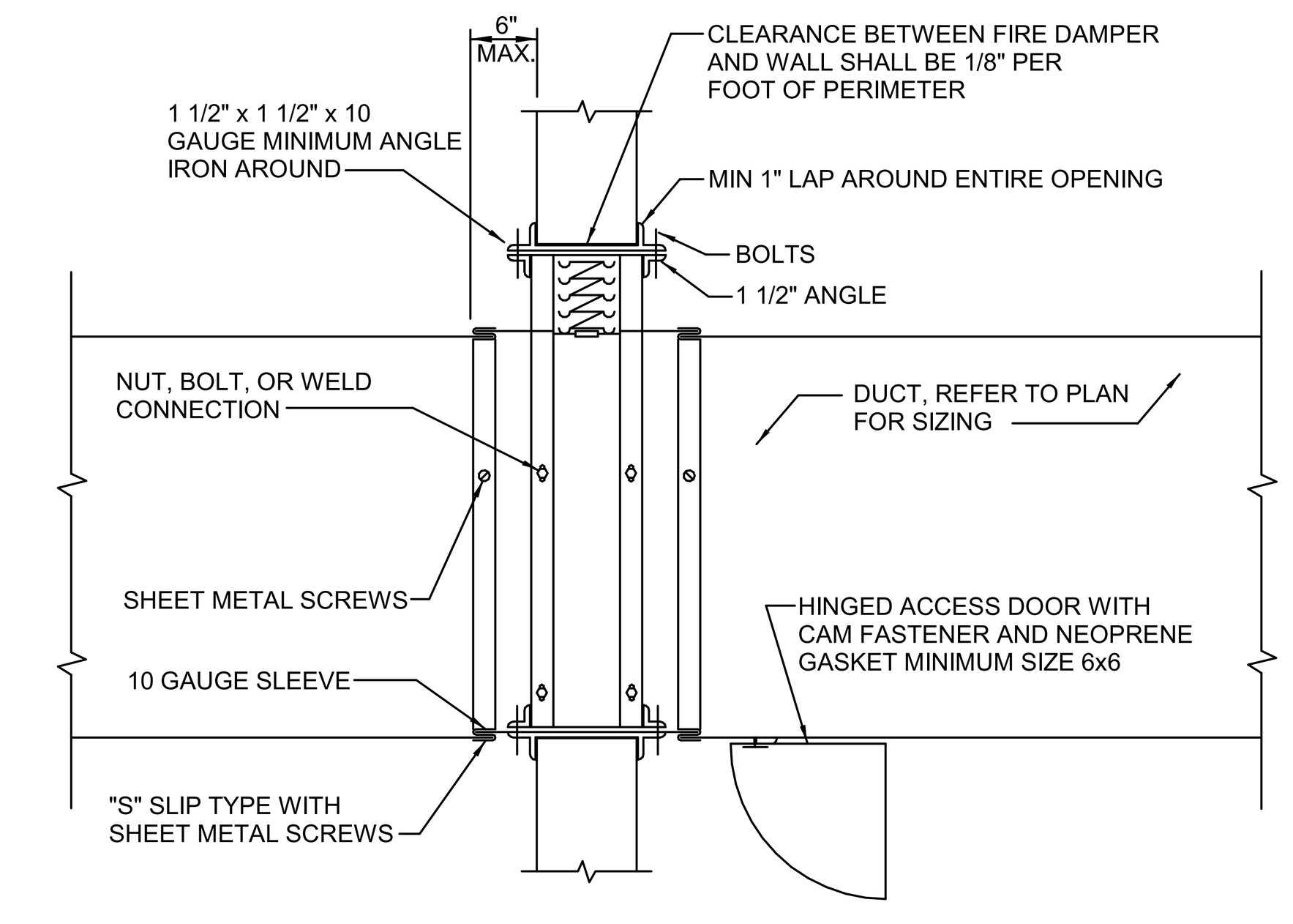
SHEET: M112



1 M201 TYPICAL ROUND & RECTANGULAR BRANCH TAKE-OFF FITTING DETAIL
NO SCALE

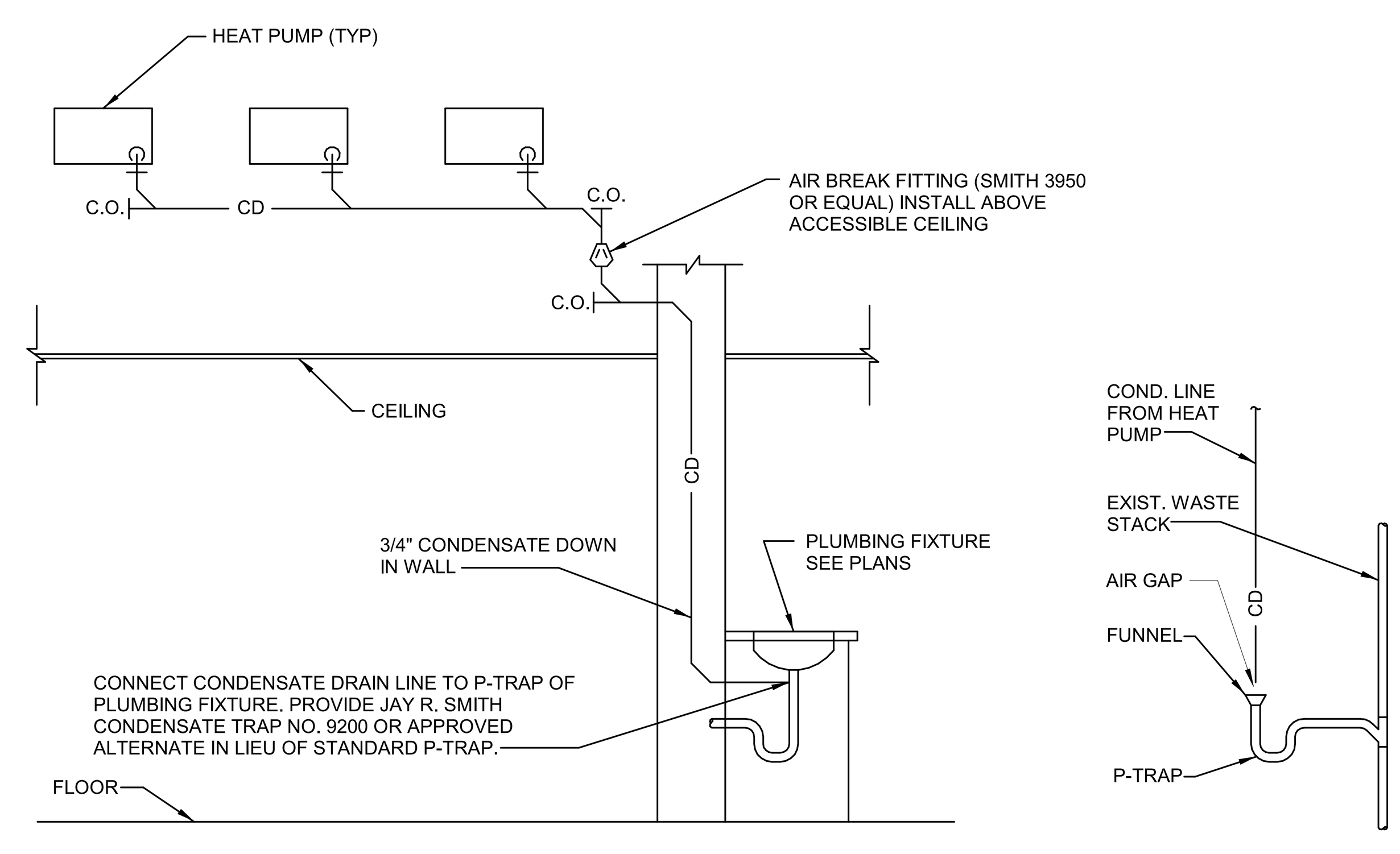


2 M201 TYPICAL ROOF HOOD MOUNTING DETAIL
NO SCALE



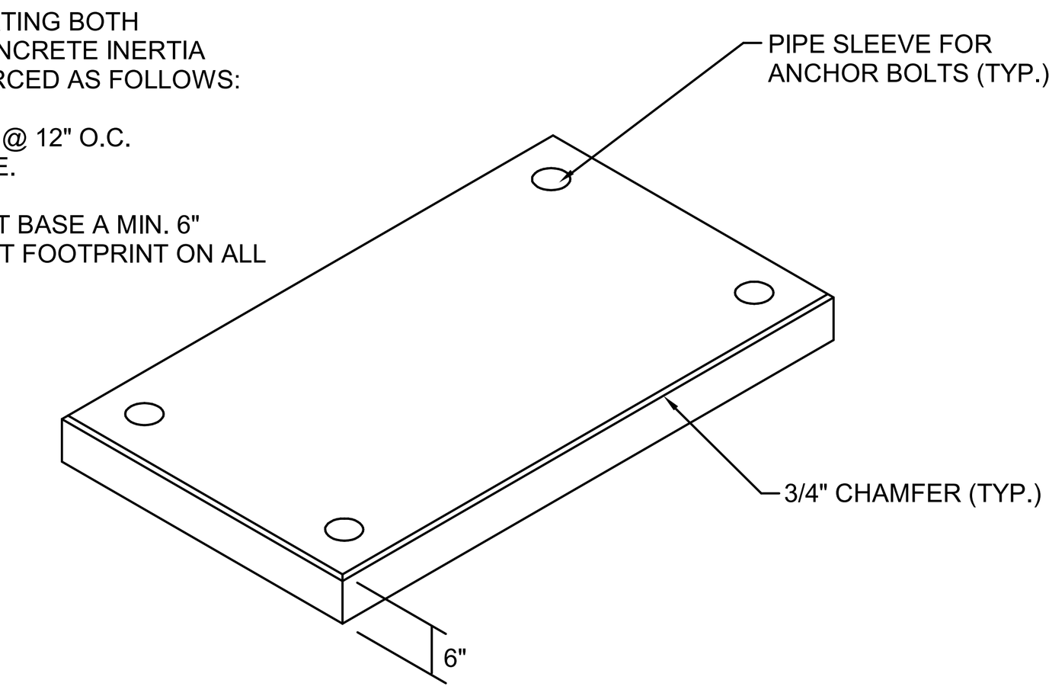
NOTE:
PROVIDE FIRE DAMPER FOR ROUND DUCT OR USE TRANSITIONS FOR ROUND TO SQUARE DUCT.

4 M201 FIRE DAMPER WITH FUSIBLE LINK
NO SCALE

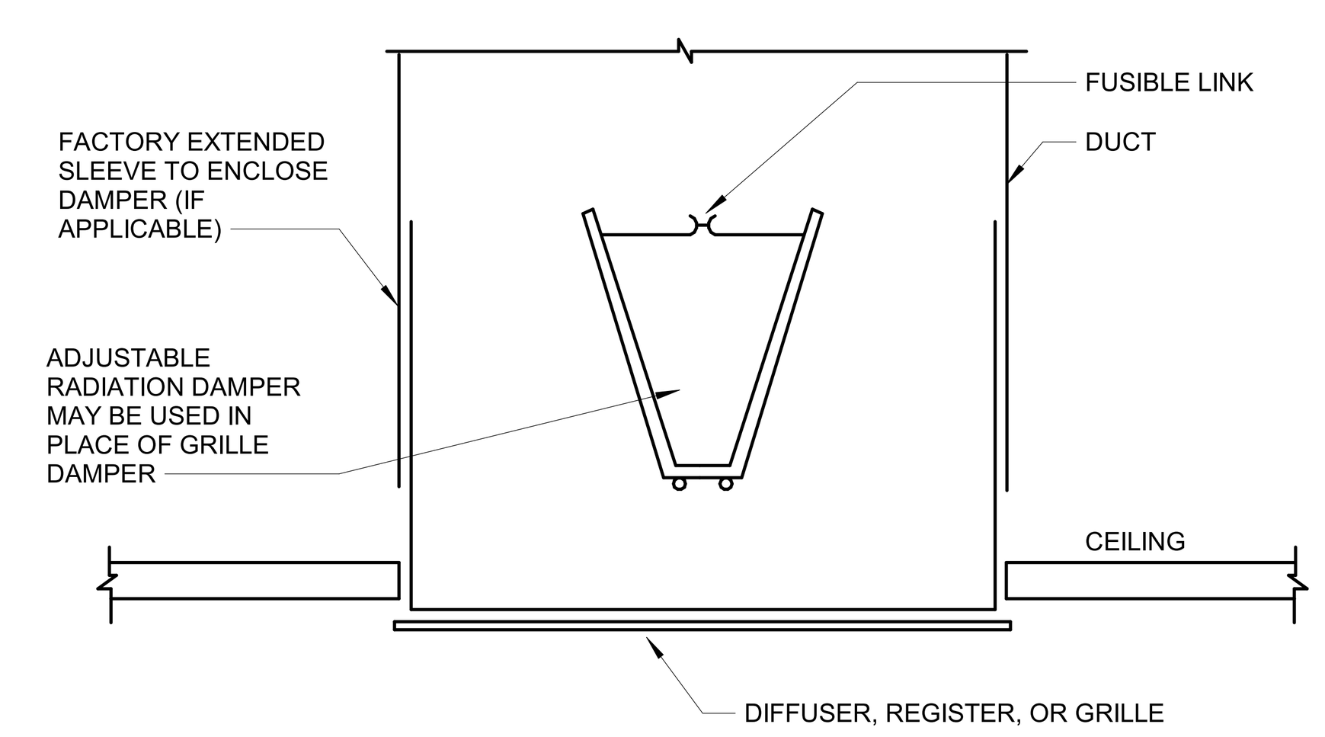


3 M201 AIR BREAK FITTING DETAIL
NO SCALE

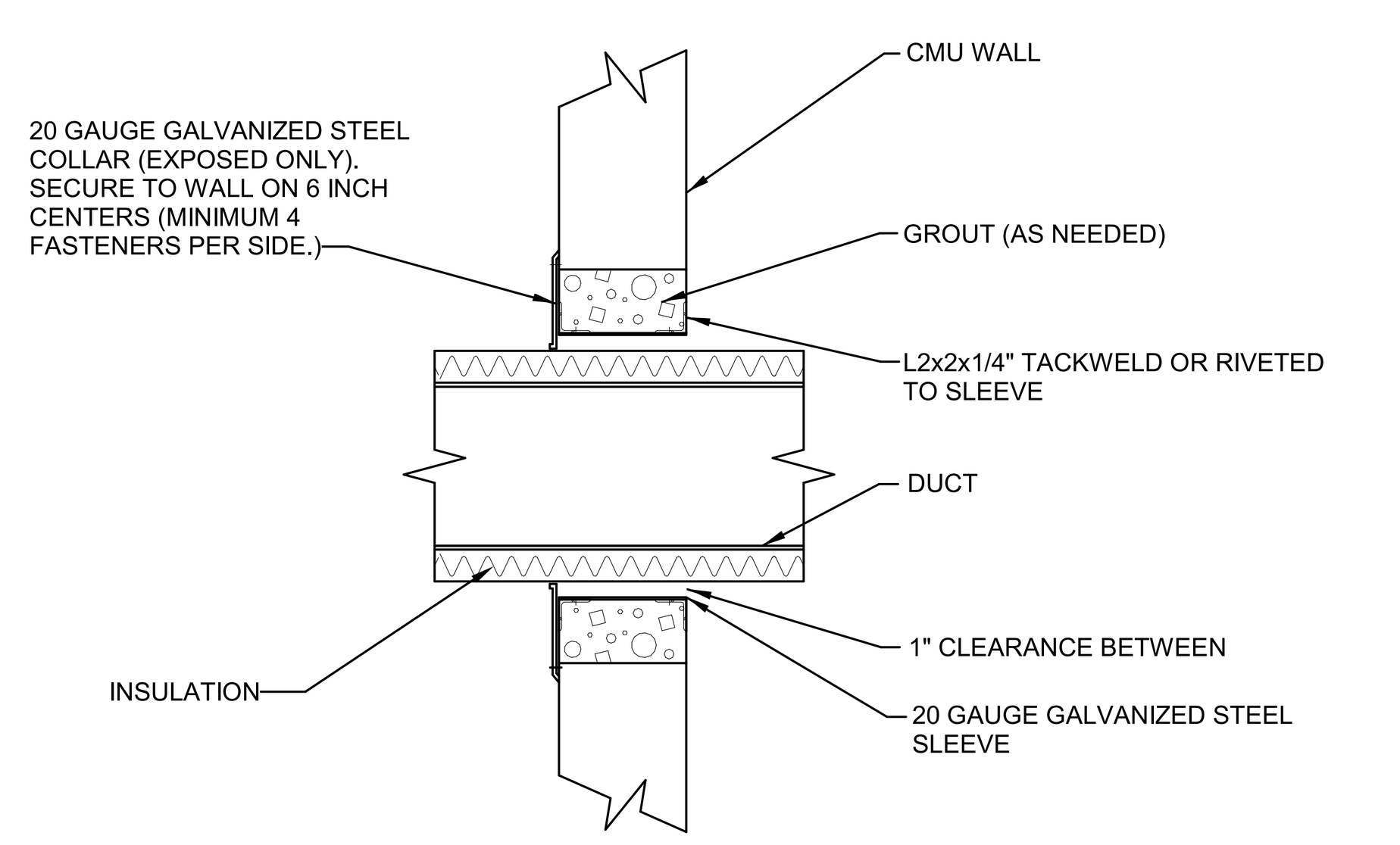
NOTES:
1. FLOOR UNDER BASE SHALL BE ROUGHED; BASE SHALL BE DOWELED TO FLOOR. ADJUST BASE SIZE AS REQUIRED FOR INDIVIDUAL EQUIPMENT INSTALLED.
2. ALL BASES SUPPORTING BOTH EQUIPMENT & A CONCRETE INERTIA PAD TO BE REINFORCED AS FOLLOWS:
a) PROVIDE #5 REBAR @ 12" O.C. BOTH WAYS IN BASE.
3. EXTEND EQUIPMENT BASE A MIN. 6" BEYOND EQUIPMENT FOOTPRINT ON ALL SIDES.



6 M201 TYPICAL CONCRETE PAD DETAIL
NO SCALE



5 M201 CEILING RADIATION DAMPER
NO SCALE



7 M201 DUCT PENETRATION THROUGH WALL
NO SCALE

CONDENSING UNIT SCHEDULE

MARK	SERVES	TOTAL CAPACITY (MBH) (COOLING/HEATING)	EER	COMPRESSOR DATA			CONDENSER DATA			ELECTRICAL DATA	WEIGHT (LBS)	BASIS OF DESIGN	NOTES
				NO	STEPS (EACH)	REFR TYPE	FAN NO	NO CIRC	AMB TEMP	V | PH | FLA			
ACCU-1	AC-1	24 / --	11	1	1	R-410A	1	1	95	SEE ME CONN SCHEDULE	100	DAIKIN RKB	1
ACCU-2	AC-2	10.6 / 13.4	11.5	1	1	R-410A	1	1	95	SEE ME CONN SCHEDULE	100	DAIKIN RXL	1
ACCU-3	AC-3	12 / --	8.5	1	1	R-410A	1	1	95	SEE ME CONN SCHEDULE	100	DAIKIN RKB	1

NOTES:
1. REFRIGERANT PIPE QUANTITIES AND SIZE TO BE PER MANUFACTURER'S PIPING SCHEMATIC.

DIFFUSER, REGISTER, AND GRILLE SCHEDULE

MARK	STATIC PD (INWC)	MAX NC (NOTE 1)	FACE/PANEL SIZE (IN)	MAXIMUM CFM PER NECK SIZE	DUCT RUNOUT SIZE (IN)	SPACING & DEFLECTION (IN X DEGREES)	THROW			DAMPER (Y/N)	MATERIAL	COLOR/ FINISH	BASIS OF DESIGN (NOTE 3)	NOTES
							DIRECTION	PATTERN	DISTANCE (NOTE 4)					
D-1	0.1	30	24x24	120 CFM WITH 6-IN DIA NECK 175 CFM WITH 8-IN DIA NECK 275 CFM WITH 10-IN DIA NECK 390 CFM WITH 12-IN NECK	6 8 10 10	N/A	HORIZONTAL	4-WAY	2-3-5 2-3-7 3-5-9 4-6-11	NO	STEEL	WHITE	TITUS TMS	4,8
D-2	.05	35	12 X 12	SEE PLANS	SEE PLANS	N/A	HORIZONTAL	4-WAY	4-7-11	NO	STEEL	WHITE	TITUS SG	6,7,8,9
R-1R	.05	30	12 X 8	SEE PLANS	SEE PLANS	1/2 x 0	N/A	N/A	N/A	NO	STEEL	WHITE	TITUS SG	6,7,8,9
R-1S	.05	30	12 X 8	SEE PLANS	SEE PLANS	1/2 x 0	VERTICAL	1-WAY	12-19-29	NO	STEEL	WHITE	TITUS SG	6,7,8,9
R-2S	0.1	30	10x8	120 CFM WITH 6-IN DIA NECK	6	3/4 DOUBLE	ADJUSTABLE	2-WAY	VARIES	NO	STEEL	WHITE	TITUS 300RS	5,8

NOTES:
1) NOISE CRITERIA VALUES ARE BASED ON A ROOM ABSORPTION OF 10 db, re 10-12 WATTS.
2) PROVIDE FRAMES APPROPRIATE FOR MOUNTING REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.
3) SEE PLANS FOR NECK SIZE AND CFM.
4) INDICATED THROWS ARE A GENERAL GUIDELINE TO SHOW DESIGN INTENT. THROWS ARE AT VELOCITIES OF 150-100-50 FEET PER MINUTE, RESPECTIVELY.
5) WHERE UNITS HAVE FEWER THAN 4-WAY THROWS, PROVIDE BAFFLES TO BLOCK AIRFLOW TO YIELD INDICATED THROW PATTERN, AND ORIENT THROWS AWAY FROM NEAREST WALL(S).
6) PRODUCT SHALL BE ANTI-LIGATURE AND BE SECURITY RATED.
7) PROVIDE WITH DAMPER TO BALANCE AIRFLOW.
8) PROVIDE CEILING RADIATION DAMPER IN FIRE RATED CEILINGS. EXAMPLE: RUSKIN CFD
9) PROVIDE WITH SECURITY / TAMPER-PROOF SCREWS FOR INSTALLATION. COORDINATE WITH MANUFACTURER ON REQUIREMENTS.

MINI SPLIT AIR CONDITIONER SCHEDULE

MARK	CFM	ESP	CONFIGURATION	COOLING COIL DATA (DX)			HEATING DATA	MOTOR DATA	FILTER DATA			BASIS OF DESIGN	WEIGHT (LBS)	NOTES
				TOTAL CAP (MBH)	EAT DB (DEGF)	REFG (TYPE)	TOTAL CAP (MBH)	HP | V | PH	TYPE	MIN MERV	QTY			
AC-1	550	SEE MFG	WALL MOUNTED	24	80	R-410A	--	SEE ME CONN SCHEDULE	WASHABLE	MFG STANDARD	1	DAIKIN FTK	31	1-2
AC-2	360	SEE MFG	WALL MOUNTED	10.6	80	R-410A	13.4	SEE ME CONN SCHEDULE	WASHABLE	MFG STANDARD	1	DAIKIN FTX	20	1-2
AC-3	360	SEE MFG	WALL MOUNTED	12	80	R-410A	--	SEE ME CONN SCHEDULE	WASHABLE	MFG STANDARD	1	DAIKIN FTK	20	1-2

NOTES:
1) REFRIGERANT PIPE QUANTITIES AND SIZE TO BE PER MANUFACTURER'S PIPING SCHEMATIC.
2) PROVIDE CONDENSATE PUMP INTEGRAL TO UNIT.

ROOF HOOD GRAVITY VENTILATOR SCHEDULE

MARK	CFM	MAX PRESS DROP	HOOD OVERALL SIZE (L x W x H)	THROAT SIZE (W x L)	CURB HT	BASIS OF DESIGN	NOTES
RH-1	---	0.1	51 X 30 X 28	16 x 28	12	GREENHECK FGR	1-2

NOTES:
1) ROOF-CURB HEIGHT IS MEASURED FROM LOWEST POINT OF EQUIPMENT'S STRUCTURE TO HIGHEST POINT OF ADJACENT FINISHED ROOF. COORDINATE WITH EQUIPMENT AND ROOF CONSTRUCTIONS. PROVIDE MINIMUM HEIGHT OF 8 INCHES UNLESS INDICATED TO BE TALLER.
2) PROVIDE MOTORIZED DAMPER WITH LOW LEAKAGE. DAMPER SHALL BE CLOSED DURING NORMAL BUILDING OPERATION AND INTERLOCKED WITH EXISTING FIRE SYSTEM TO OPEN WHEN SMOKE OR FIRE IS DETECTED.

UNIT-HEATER SCHEDULE (ELECTRIC)

MARK	SERVES ROOM	CFM	KW	MOTOR DATA	CABINET DATA	WEIGHT (LBS)	BASIS OF DESIGN	NOTES
				AMPS | V | PH	CONFIGURATION			
EUH-1	LOBBY E002	100	1.5	SEE ME CONN SCHEDULE	WALL MOUNTED	25	QMARK AWH	1-3
EUH-2	LOBBY E101	100	1.5	SEE ME CONN SCHEDULE	WALL MOUNTED	25	QMARK AWH	1-3
EUH-3	LOBBY E102	100	1.5	SEE ME CONN SCHEDULE	WALL MOUNTED	25	QMARK AWH	1-3
EUH-4	LOBBY E201	100	1.5	SEE ME CONN SCHEDULE	WALL MOUNTED	25	QMARK AWH	1-3

NOTES:
1) FINISH / COLOR SHALL BE STANDARD WHITE.
2) PROVIDE PILOT LIGHT TO INDICATE "ENERGIZED".
3) PROVIDE BUILT IN T-STAT.

RANGE HOOD SCHEDULE

MARK	HOOD TYPE	EXHAUST		HOOD OVERALL SIZE (L x W x H) (IN)	HOOD MATERIAL	WEIGHT (LBS)	BASIS OF DESIGN	NOTES
		CFM	SP (IN.WC)					
KH-1	UL 300A	500	SEE MFG	36 X 23.5 X 12	STAINLESS STEEL	95	GREENHECK GRRS	1-7
KH-2	UL 300A	500	SEE MFG	36 X 23.5 X 12	STAINLESS STEEL	95	GREENHECK GRRS	1-7

NOTES:
1) MOUNT HOOD'S BOTTOM LIP AT MANUFACTURER'S RECOMMENDATION.
2) HOOD TO BE UL RATED FOR EXHAUST RATE SHOWN.
3) STAINLESS STEEL CONSTRUCTION.
4) UNIT SHALL HAVE LOCALIZED FIRE SUPPRESSION (CHEMICAL) WITHIN THE HOOD.
5) PROVIDE WITH MOUNTED LIGHT AND FAN SWITCHES. FINAL CONNECTIONS BY ELECTRICAL CONTRACTOR.
6) PROVIDE WITH RELAY TO FIRE ALARM SYSTEM.
7) HOOD SHALL BE RECIRCULATION TYPE.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

MARK	GENERAL ELECTRICAL DATA									DISCONNECT					STARTER					CONTROL (NOTE 4)												NOTES
	APPROX HP (KW)	ELEC HEAT KW	FULL LOAD AMP (FLA)	MIN CIR AMPACITY (MCA)	MAX OCPD SIZE (MOCP)	NAMEPLATE VOLTAGE	PHASE	FEEDER (SEE CONDUCTOR & CONDUIT SCHEDULE)	AVAILABLE AIC (NOTE 1)	SIZE	NEMA ENCLOSURE TYPE	RESPONSIBILITY	LOCATION	SWITCH TYPE (NOTE 2)	SIZE	NEMA ENCLOSURE TYPE	RESPONSIBILITY	LOCATION	STARTER TYPE (NOTE 3)	H-O-A	TOGGLE SWITCH	OCCUPANCY SENSOR	SWITCHED LTG CIRCUIT	AUXILIARY CONTACT	TIMECLOCK	BAS	TIME DELAY SWITCH	DUCT SMOKE DETECTOR	CO2/TEMP SENSOR	THERMOSTAT	CONTROL WIRING BY	
AC-1/ACCU-1	--	--	10.5	13.2	20	208	1	A20		30/2	3R	E	U	NF	--	3R	X	U	INT											M	M	
AC-2/ACCU-2	--	--	6.2	7.7	15	208	1	A20		30/2	3R	E	U	NF	--	3R	X	U	INT											M	M	
AC-3/ACCU-3	--	--	6.2	7.7	15	208	1	A20		30/2	3R	E	U	NF	--	3R	X	U	INT											M	M	
EUH-1	--	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	--	1	X	U	INT											M	M	
EUH-2	--	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	--	1	X	U	INT											M	M	
EUH-3	--	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	--	1	X	U	INT											M	M	
EUH-4	--	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	--	1	X	U	INT											M	M	
SP-1	--	--	.5	0.6	15	120	1	A20		20A	1	X	U	CP	--	1	X	U	INT												M	

GENERAL NOTES:
A. RESPONSIBILITY PROVISIONS: E = BY ELECTRICAL; M = BY MECHANICAL; X = BY MANUFACTURER.
B. LOCATION DESIGNATIONS: U = INTEGRAL OR NEAR UNIT; R = REMOTE LOCATION, SEE ADDITIONAL NOTES.
C. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS FOR ALL 120V CONTROL DEVICES. MECHANICAL CONTRACTOR TO FURNISH AND COORDINATE ALL CONNECTIONS OF DEVICES.

SCHEDULE NOTES:
1.) MANUFACTURER TO PROVIDE EQUIPMENT WITH A LISTED AND LABELED SHORT CIRCUIT CURRENT (KAIC) RATING GREATER THAN THE AVAILABLE FAULT CURRENT SHOWN PER NEC 440.4(B).
2.) DISCONNECT SWITCH TYPE CODE DESIGNATORS: F = FUSED; NF = NONFUSED; PF = PLUG FUSE BOX COVER UNIT; CP = CORD AND PLUG; CB = CIRCUIT BREAKER; TS = MOTOR-RATED TOGGLE SWITCH; CMS = COMBINATION MOTOR STARTER.
3.) STARTER TYPE CODE DESIGNATORS: M = MANUAL; INT = INTEGRAL; VFD = VARIABLE FREQUENCY DRIVE; FVNR = FULL VOLTAGE NON-REVERSING; FVR = FULL VOLTAGE REVERSING; SSR = SOFT START REVERSING; SSNR = SOFT START NON-REVERSING.
4.) MECHANICAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE EQUIPMENT CONNECTION AND CONTROL REQUIREMENTS.

DRAWN:	AJL
DESIGNED:	AJL
CHECKED:	DMS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

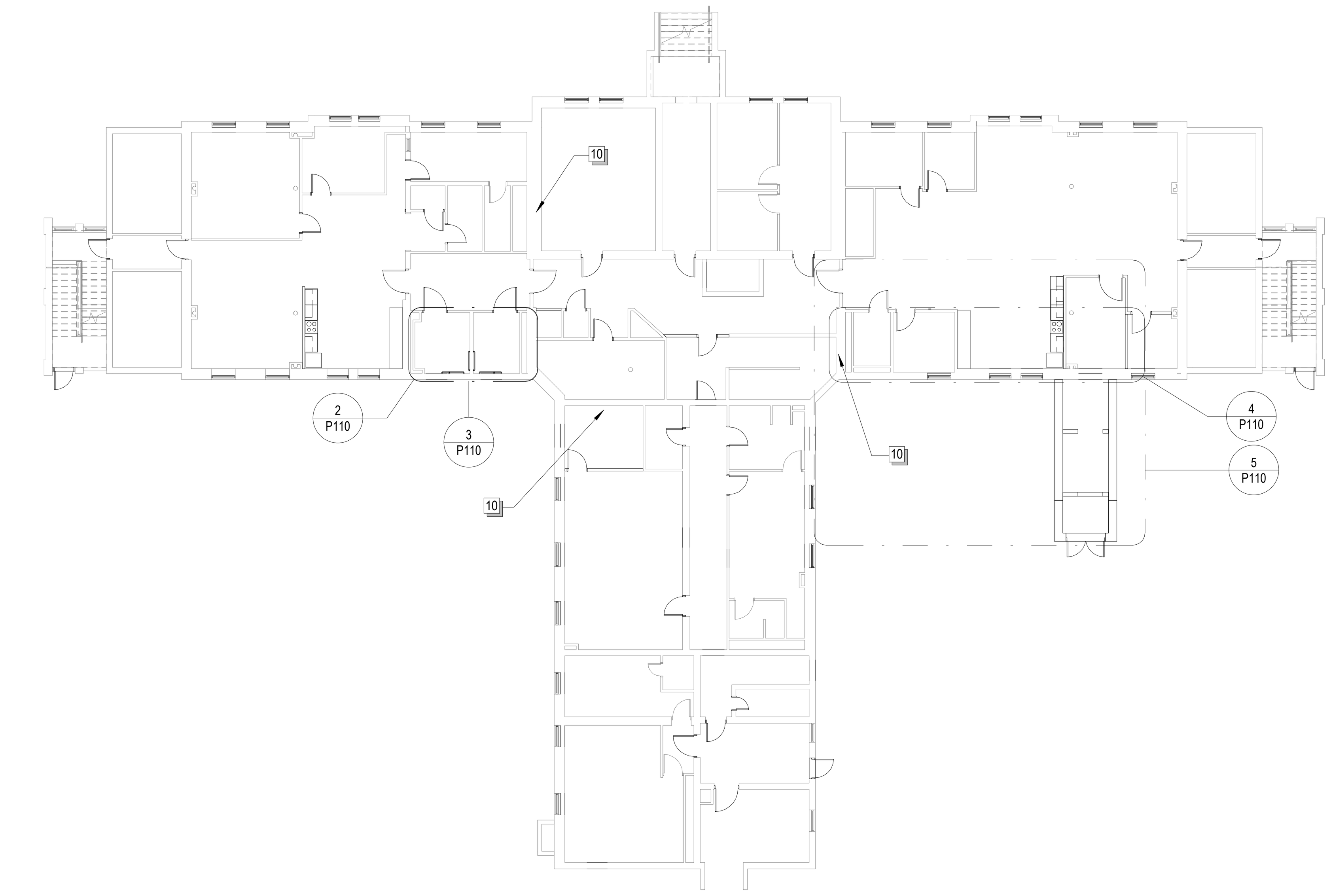
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

MECHANICAL SCHEDULES AND DETAILS

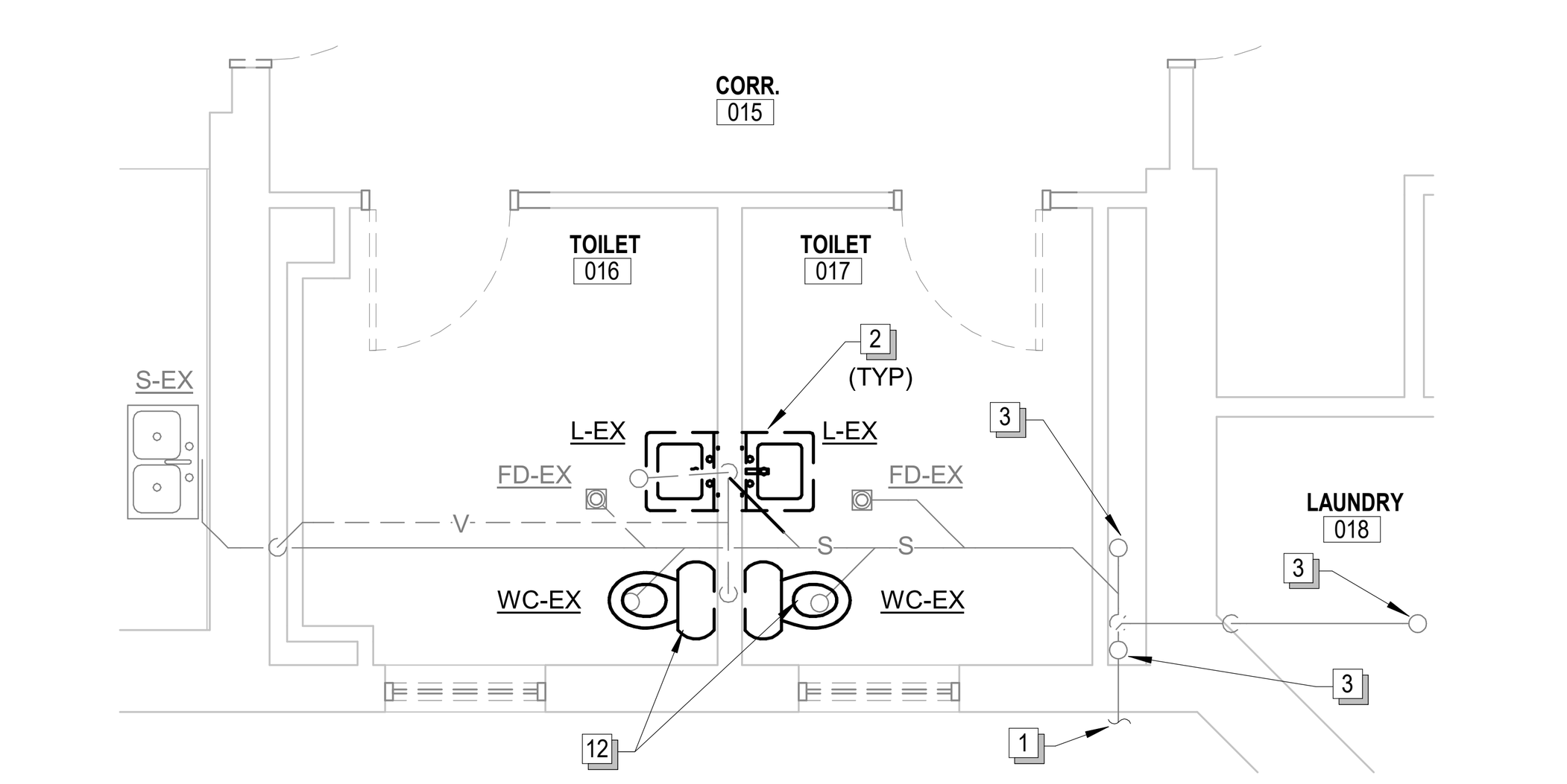
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

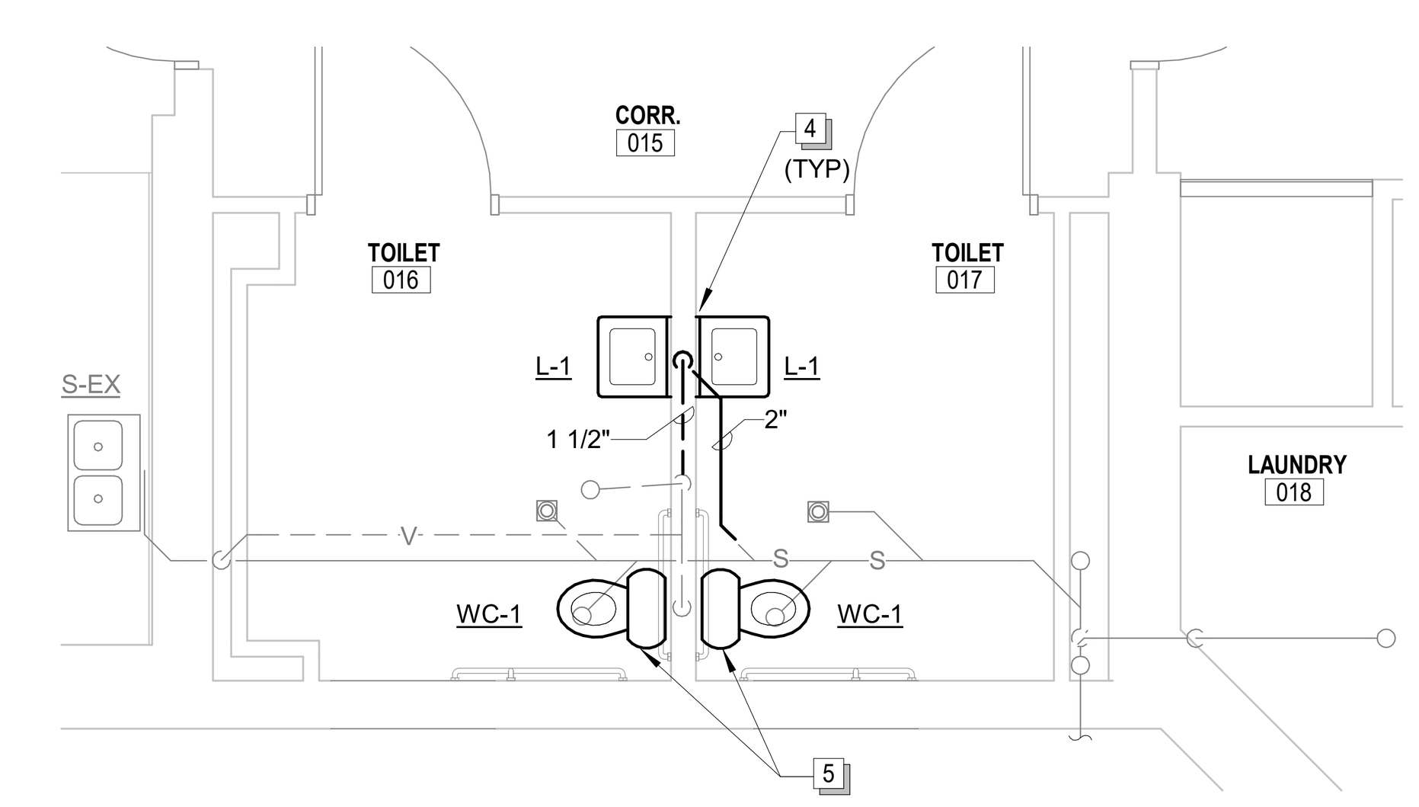
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: M201



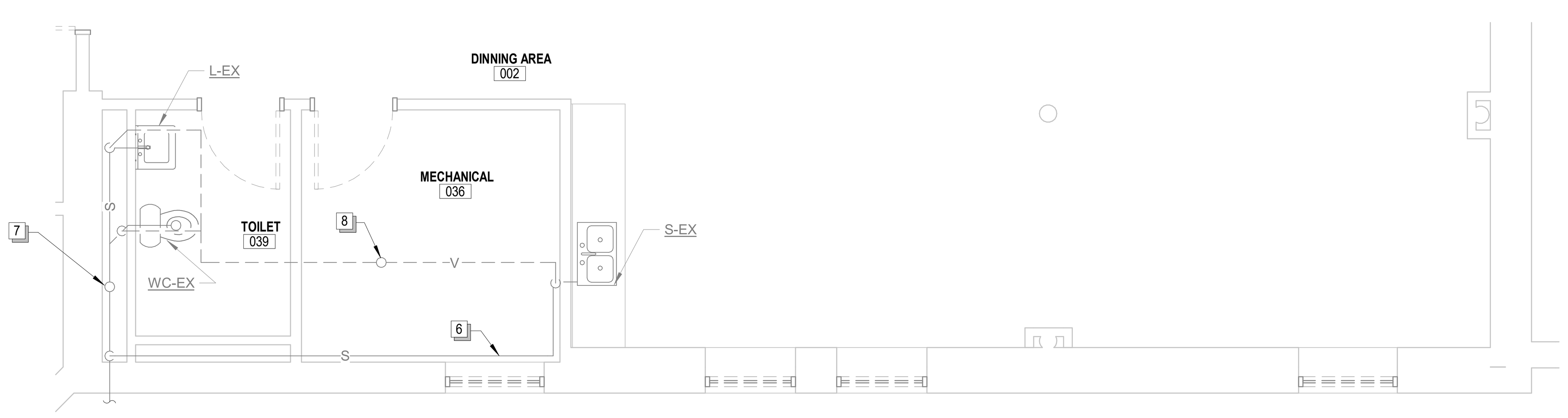
1 P110 COMPOSITE PLUMBING WASTE AND VENT PLAN - BASEMENT LEVEL
1/16" = 1'-0"
NORTH



2 P110 PLUMBING DEMOLITION PLAN - WOMEN 016 / MEN 017
1/4" = 1'-0"
NORTH



3 P110 PLUMBING PLAN - WOMEN 016 / MEN 017
1/4" = 1'-0"
NORTH



4 P110 PLUMBING DEMOLITION PLAN - ELEVATOR/LOBBY AREA
1/4" = 1'-0"
NORTH

GENERAL DEMOLITION NOTES

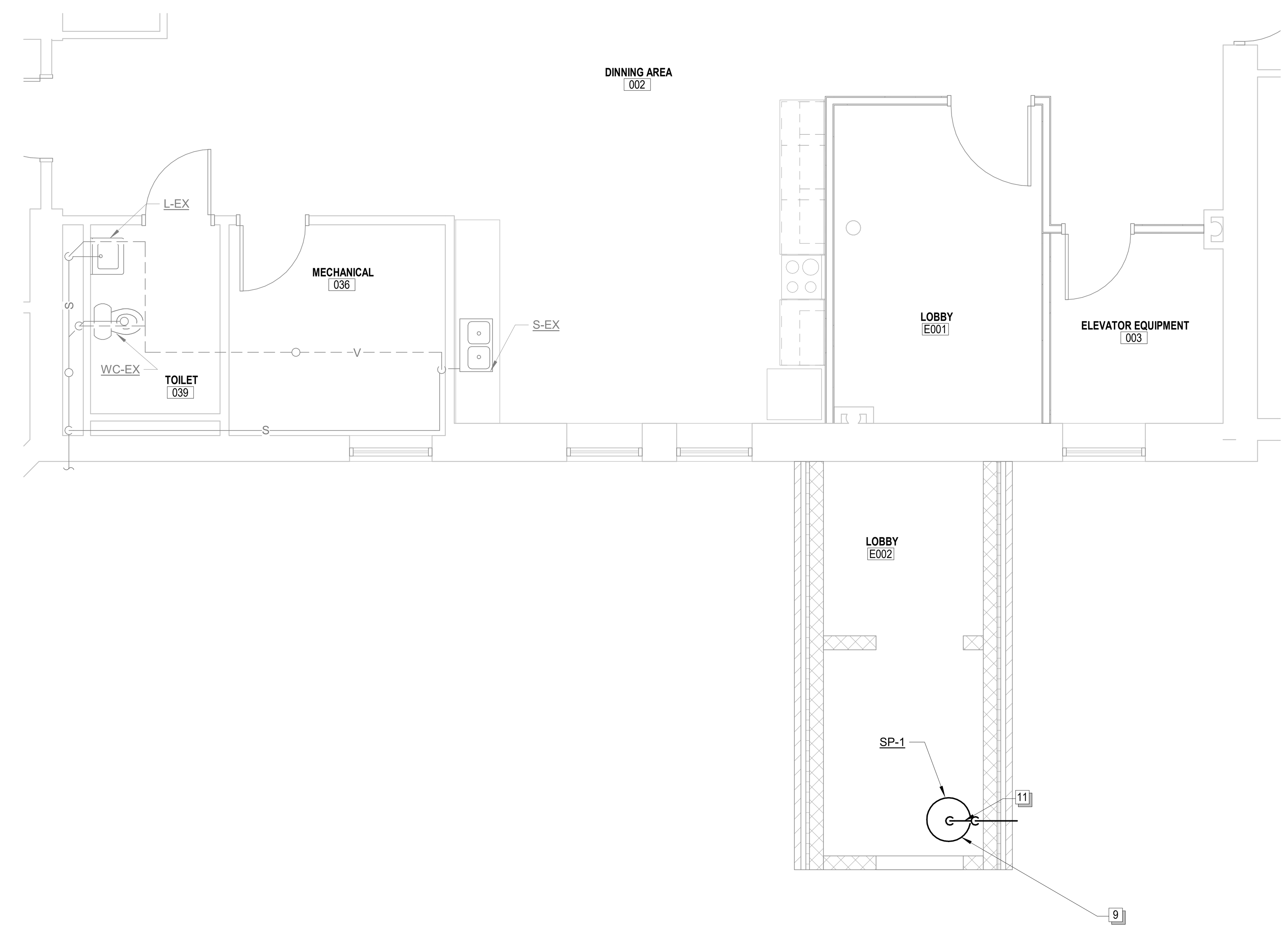
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

GENERAL NOTES:

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES. LOCATE FLOOR CLEANOUTS OUT OF TRAFFIC AREAS.
3. SEE "PLUMBING FIXTURE SCHEDULE" FOR FIXTURE TYPE AND SIZES OF INDIVIDUAL WASTES, VENTS AND DOMESTIC WATER PIPING CONNECTIONS TO FIXTURES.
4. IN ACCORDANCE WITH WRITTEN INSTRUCTIONS PUBLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE (PDI), PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT PIPE LOCATIONS NEAR FLUSHOMETER VALVES AND ELSEWHERE AS SHOWN. WATER HAMMER ARRESTORS SHALL COMPLY WITH PUBLISHED PDI NOMENCLATURE.
5. INSTALL 4-INCH AND LARGER SANITARY PIPING AT 1/8-INCH PER FOOT SLOPE; INSTALL SMALLER SIZES AT ¼-INCH PER FOOT SLOPE. INSTALL VENT PIPING SO IT WILL DRAIN.
6. PROVIDE 2-INCH MINIMUM WASTE PIPING BELOW GRADE.
7. COORDINATE EXACT LOCATION OF FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS.
8. DEAD END PIPES ARE PROHIBITED. (DEAD-END PIPES ARE BRANCHES LEADING FROM A DRAIN, VENT OR POTABLE-WATER PIPE AND TERMINATING AT A DEVELOPED LENGTH OF 2 FEET OR MORE BY MEANS OF A PLUG, CAP OR OTHER CLOSED FITTING.)
9. PIPE AND FITTINGS EXPOSED TO VIEW IN FINISHED SPACES SHALL BE CHROME PLATED BRASS.
10. CONTRACTOR TO PROVIDE FIRE SEALANT AROUND ANY DUCTWORK OR PIPE PENETRATIONS THROUGH FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL DRAWINGS ON LOCATIONS OF FIRE RATED WALLS.

KEYNOTES

1. SANITARY WASTE PIPING ROUTED TO MAIN LOCATED OUTSIDE OF BUILDING. FIELD VERIFY LOCATION AND ROUTING.
2. DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT.
3. WASTE PIPING ROUTED TO FLOOR ABOVE.
4. PROVIDE NEW WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURES. DRAWN FOR CLARITY.
5. PROVIDE NEW WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURES AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL, DRAWN FOR CLARITY.
6. WASTE PIPING IS EXPOSED AND ROUTED ALONG EXTERIOR WALL. PREPARE PIPING FOR NEW CONNECTION.
7. EXISTING WASTE STACK, EXISTING TO REMAIN. FOR REFERENCE ONLY.
8. VENT STACK ROUTED TO FLOOR ABOVE. FIELD VERIFY LOCATION.
9. PROVIDE 24" DIAMETER BY 24" HEIGHT POLYETHYLENE BASIN WITH SUMP PUMP WITHIN ELEVATOR SHAFT, BASIN SHALL HAVE COVER FLUSH WITH FLOOR. SUMP PUMP SHALL HAVE A SHUT-OFF HEAD OF 38 FT AND A FLOW OF 50 GPM. PROVIDE OIL DETECTOR AND ALARM PANEL. EX: OIL SMART SWITCH MODEL 152 OR APPROVED EQUAL. FIELD COORDINATE SUMP LOCATION.
10. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS.
11. ROUTE SUMP PUMP DISCHARGE PIPING UP ELEVATOR SHAFT AND THROUGH WALL TO TERMINATE AT GRADE. FIELD COORDINATE ROUTING WITH ELEVATOR. DRAWN FOR CLARITY.
12. DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.



5 P110 PLUMBING PLAN - ELEVATOR/LOBBY AREA
1/4" = 1'-0"
NORTH

DRAWN:	AJL	
DESIGNED:	AJL	
CHECKED:	DMS	
PROJ. MNGR:	MJM	

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

PLUMBING WASTE AND VENT PLANS - BASEMENT LEVEL

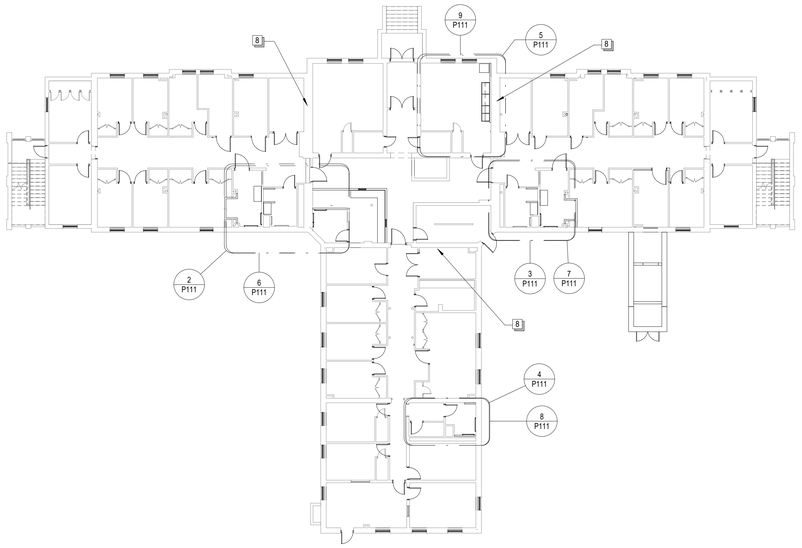
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: P110



1 P111 COMPOSITE PLUMBING WASTE AND VENT PLAN - FIRST LEVEL
1/16" = 1'-0"
NORTH

GENERAL DEMOLITION NOTES

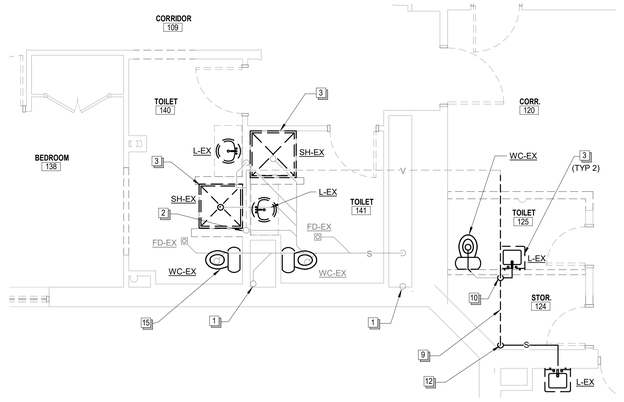
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

GENERAL NOTES:

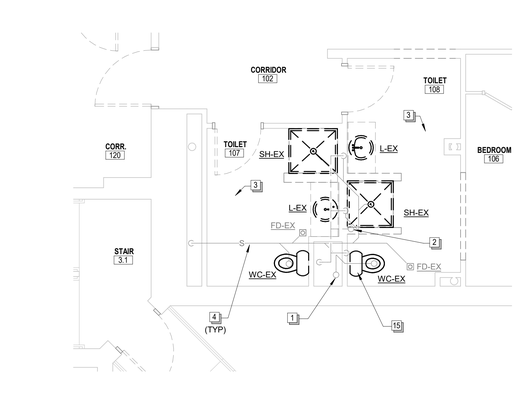
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES. LOCATE FLOOR CLEANOUTS OUT OF TRAFFIC AREAS.
3. SEE "PLUMBING FIXTURE SCHEDULE" FOR FIXTURE TYPE AND SIZES OF INDIVIDUAL WASTES, VENTS AND DOMESTIC WATER PIPING CONNECTIONS TO FIXTURES.
4. IN ACCORDANCE WITH WRITTEN INSTRUCTIONS PUBLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE (PDI), PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT PIPE LOCATIONS NEAR FLUSHOMETER VALVES AND ELSEWHERE AS SHOWN. WATER HAMMER ARRESTORS SHALL COMPLY WITH PUBLISHED PDI NOMENCLATURE.
5. INSTALL 4-INCH AND LARGER SANITARY PIPING AT 1/8-INCH PER FOOT SLOPE; INSTALL SMALLER SIZES AT ¼-INCH PER FOOT SLOPE. INSTALL VENT PIPING SO IT WILL DRAIN.
6. PROVIDE 2-INCH MINIMUM WASTE PIPING BELOW GRADE.
7. COORDINATE EXACT LOCATION OF FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS.
8. DEAD END PIPES ARE PROHIBITED. (DEAD-END PIPES ARE BRANCHES LEADING FROM A DRAIN, VENT OR POTABLE-WATER PIPE AND TERMINATING AT A DEVELOPED LENGTH OF 2 FEET OR MORE BY MEANS OF A PLUG, CAP OR OTHER CLOSED FITTING.)
9. PIPE AND FITTINGS EXPOSED TO VIEW IN FINISHED SPACES SHALL BE CHROME PLATED BRASS.
10. CONTRACTOR TO PROVIDE FIRE SEALANT AROUND ANY DUCTWORK OR PIPE PENETRATIONS THROUGH FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL DRAWINGS ON LOCATIONS OF FIRE RATED WALLS.

KEYNOTES

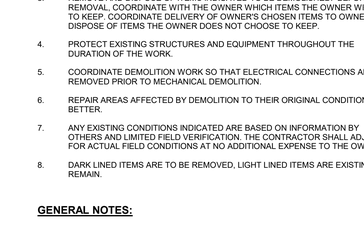
1. WASTE PIPING ROUTED TO FLOOR ABOVE.
2. VENT STACK ROUTED TO FLOOR ABOVE. FIELD VERIFY LOCATION.
3. DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT.
4. SANITARY WASTE PIPING SHOWN IS LOCATED BELOW FLOOR.
5. CONNECT NEW PLUMBING FIXTURES INTO EXISTING WASTE PIPING. FIELD VERIFY LOCATION AND ROUTING.
6. CONNECT NEW VENT PIPING INTO EXISTING. FIELD VERIFY ROUTING, DRAWN FOR CLARITY.
7. ROUTE NEW WASTE PIPING TO FLOOR BELOW AND CONNECT INTO NEAREST 2" WASTE LINE. VENT PIPING SHALL CONNECT INTO NEAREST 2" VENT LINE ON THIS LEVEL. FIELD VERIFY LOCATION AND ROUTING.
8. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS.
9. VENT LOCATED BELOW CEILING SHALL BE DEMOLISHED. PREPARE VENT PIPING TO BE REROUTED ABOVE NEW CEILING. SEE NEW WORK.
10. VERTICAL WASTE PIPING SHALL BE DEMOLISHED BELOW FLOOR. PIPING SHALL BE MODIFIED AS REQUIRED FOR NEW PIPING, SEE NEW WORK.
11. WASTE PIPING IS LOCATED BELOW FLOOR, CONNECT INTO EXISTING VERTICAL WASTE PIPING LOCATED BELOW FLOOR. DRAWN FOR CLARITY, FIELD VERIFY LOCATION AND ROUTING.
12. FIELD VERIFY WASTE STACK ROUTING AND PLUMBING FIXTURES IT IS SERVING. PREPARE TO REROUTE VENT PIPING SERVING BASEMENT FIXTURES TO EXISTING VENT PIPE ON FIRST LEVEL. DRAWN FOR CLARITY, SEE NEW WORK.
13. REROUTED VENT PIPING SERVING EXISTING BASEMENT PLUMBING FIXTURES. FIELD VERIFY LOCATION AND ROUTING.
14. FIELD VERIFY PLUMBING WASTE PIPING LOCATED BELOW FLOOR AND PREPARE FOR NEW CONNECTION.
15. DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.
16. PROVIDE NEW WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURES AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL, DRAWN FOR CLARITY.



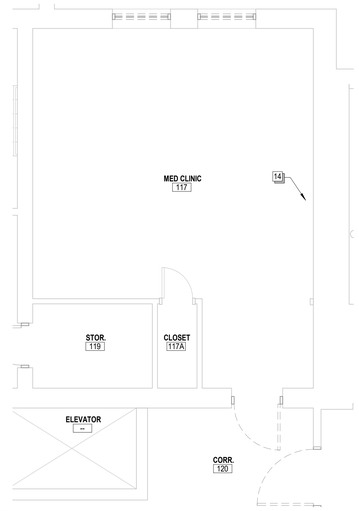
2 P111 PLUMBING DEMOLITION PLAN - BATH 140 / BATH 141
1/4" = 1'-0"
NORTH



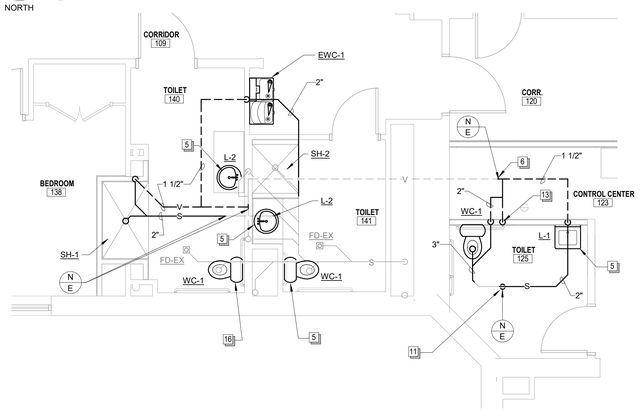
3 P111 PLUMBING DEMOLITION PLAN - BATH 107 / BATH 108
1/4" = 1'-0"
NORTH



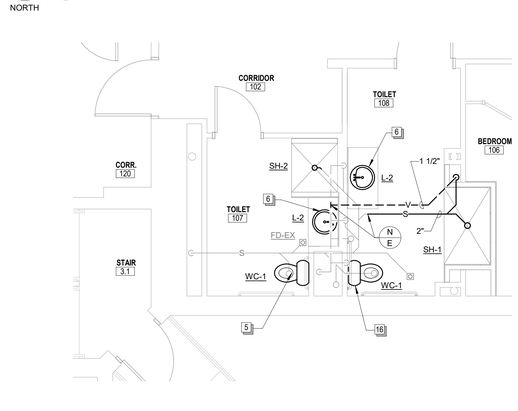
4 P111 PLUMBING DEMOLITION PLAN - BATH 152
1/4" = 1'-0"
NORTH



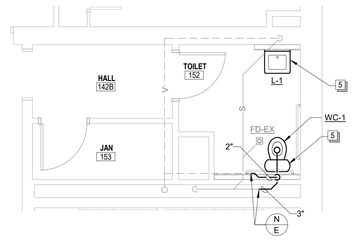
5 P111 PLUMBING DEMOLITION PLAN - MED CLINIC 117
1/4" = 1'-0"
NORTH



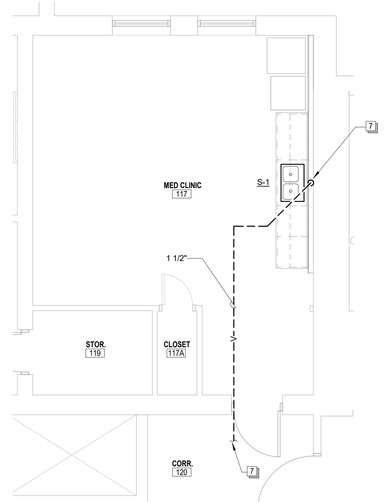
6 P111 PLUMBING PLAN - BATH 140 / BATH 141
1/4" = 1'-0"
NORTH



7 P111 PLUMBING PLAN - BATH 107 / BATH 108
1/4" = 1'-0"
NORTH



8 P111 PLUMBING PLAN - BATH 152
1/4" = 1'-0"
NORTH



9 P111 PLUMBING PLAN - MED CLINIC 117
1/4" = 1'-0"
NORTH

DRAWN: AJL
DESIGNED: AJL
CHECKED: DMS
PROJ. MNGR: MJM

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

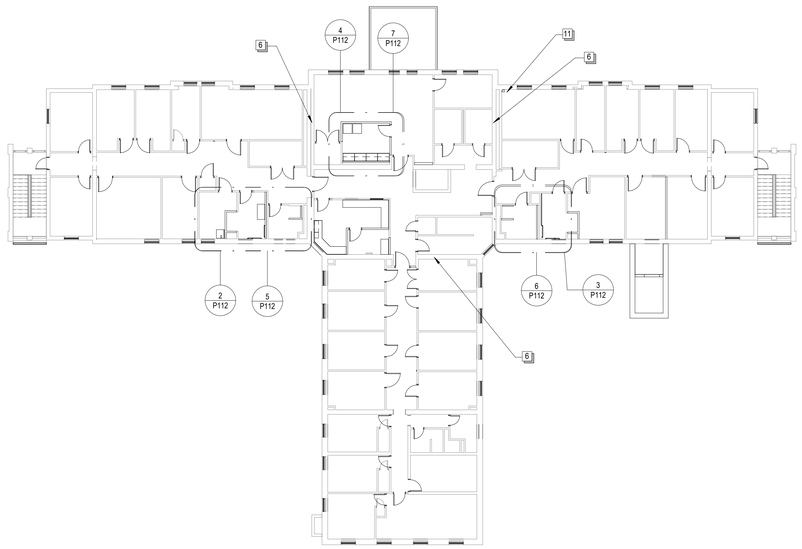
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

PLUMBING WASTE AND VENT PLANS - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: P111



1 P112 COMPOSITE PLUMBING WASTE AND VENT PLAN - SECOND LEVEL
1/16" = 1'-0"
NORTH

GENERAL DEMOLITION NOTES

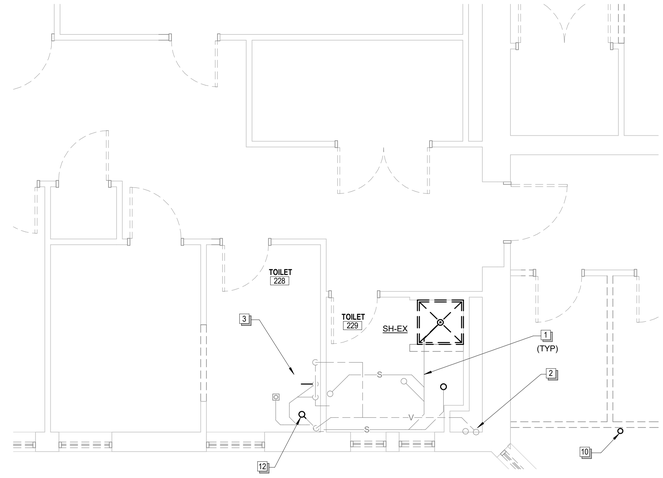
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

GENERAL NOTES:

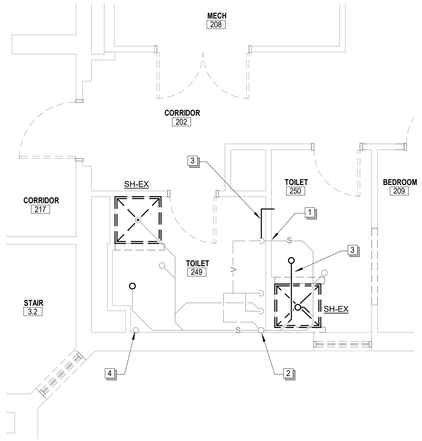
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES. LOCATE FLOOR CLEANOUTS OUT OF TRAFFIC AREAS.
3. SEE "PLUMBING FIXTURE SCHEDULE" FOR FIXTURE TYPE AND SIZES OF INDIVIDUAL WASTES, VENTS AND DOMESTIC WATER PIPING CONNECTIONS TO FIXTURES.
4. IN ACCORDANCE WITH WRITTEN INSTRUCTIONS PUBLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE (PDI), PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT PIPE LOCATIONS NEAR FLUSHOMETER VALVES AND ELSEWHERE AS SHOWN. WATER HAMMER ARRESTORS SHALL COMPLY WITH PUBLISHED PDI NOMENCLATURE.
5. INSTALL 4-INCH AND LARGER SANITARY PIPING AT 1/8-INCH PER FOOT SLOPE; INSTALL SMALLER SIZES AT ¼-INCH PER FOOT SLOPE. INSTALL VENT PIPING SO IT WILL DRAIN.
6. PROVIDE 2-INCH MINIMUM WASTE PIPING BELOW GRADE.
7. COORDINATE EXACT LOCATION OF FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS.
8. DEAD END PIPES ARE PROHIBITED. (DEAD-END PIPES ARE BRANCHES LEADING FROM A DRAIN, VENT OR POTABLE-WATER PIPE AND TERMINATING AT A DEVELOPED LENGTH OF 2 FEET OR MORE BY MEANS OF A PLUG, CAP OR OTHER CLOSED FITTING.)
9. PIPE AND FITTINGS EXPOSED TO VIEW IN FINISHED SPACES SHALL BE CHROME PLATED BRASS.
10. CONTRACTOR TO PROVIDE FIRE SEALANT AROUND ANY DUCTWORK OR PIPE PENETRATIONS THROUGH FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL DRAWINGS ON LOCATIONS OF FIRE RATED WALLS.

KEYNOTES

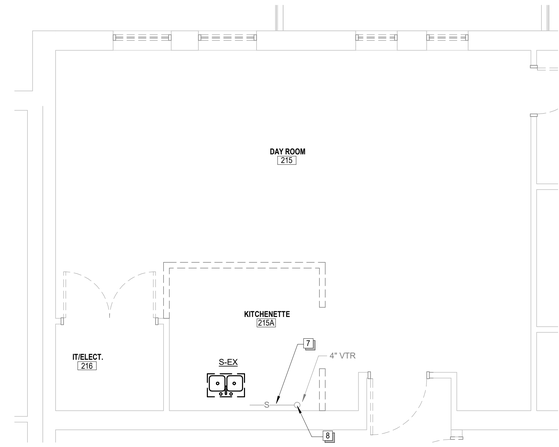
1. SANITARY WASTE PIPING SHOWN IS LOCATED BELOW FLOOR.
2. EXISTING 4" VTR.
3. DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT.
4. ABANDONED PIPING.
5. PROVIDE NEW WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURES. DRAWN FOR CLARITY.
6. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS.
7. MODIFY WASTE PIPING AS REQUIRED FOR NEW SINK. FIELD VERIFY LOCATION AND ROUTING.
8. EXISTING WASTE STACK, FOR REFERENCE ONLY.
9. CONNECT NEW SINK INTO EXISTING WASTE PIPING. FIELD VERIFY LOCATION.
10. EXISTING WASTE PIPING FOR CLOTHES WASHER SHALL BE REMOVED TO BELOW FLOOR AND CAPPED. FIELD VERIFY LOCATION.
11. PROVIDE WALL CLEANOUT IN NEW FURRED OUT CHASE FOR EXISTING PIPING. FIELD VERIFY PIPE LOCATION, COORDINATE WITH ARCHITECTURAL.
12. DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.
13. PROVIDE NEW WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURES AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL, DRAWN FOR CLARITY.



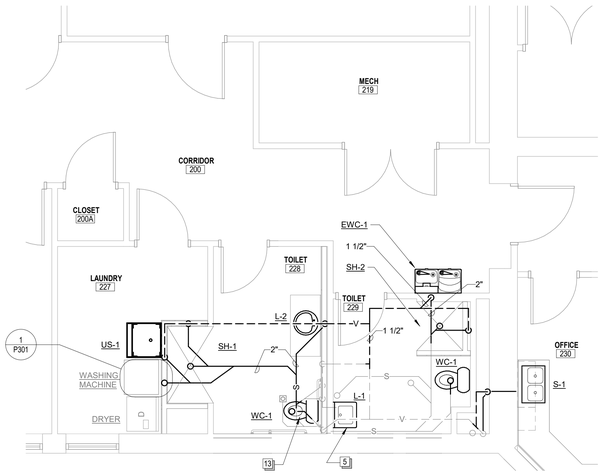
2 P112 PLUMBING DEMOLITION PLAN - BATH 228 / BATH 229
1/4" = 1'-0"
NORTH



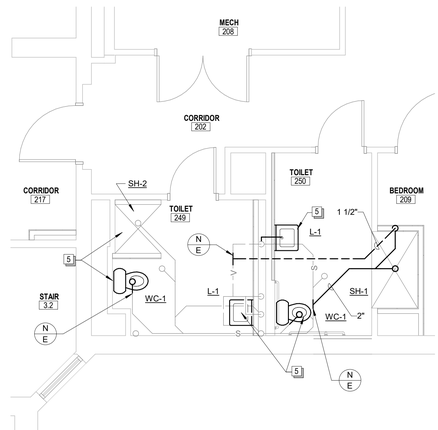
3 P112 PLUMBING DEMOLITION PLAN - BATH 249 / BATH 250
1/4" = 1'-0"
NORTH



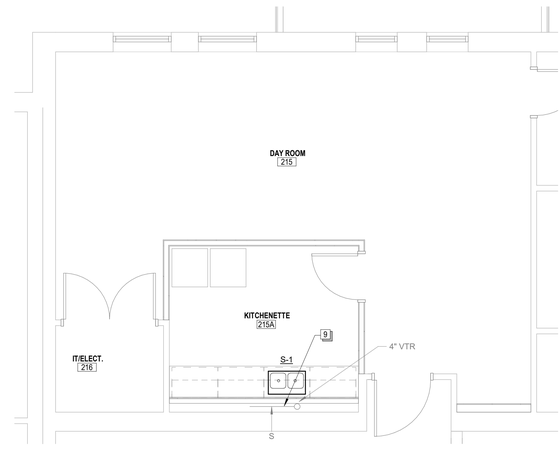
4 P112 PLUMBING DEMOLITION PLAN - KITCHENETTE
1/4" = 1'-0"
NORTH



5 P112 PLUMBING PLAN - BATH 228 / BATH 229
1/4" = 1'-0"
NORTH



6 P112 PLUMBING PLAN - BATH 249 / BATH 250
1/4" = 1'-0"
NORTH



7 P112 PLUMBING PLAN - KITCHENETTE
1/4" = 1'-0"
NORTH

DRAWN: AJL
DESIGNED: AJL
CHECKED: DMS
PROJ. MNGR: MJM

NO.	DESCRIPTION	BY
		KPE
0	BID SET	
DATE		
09-01-2023		

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

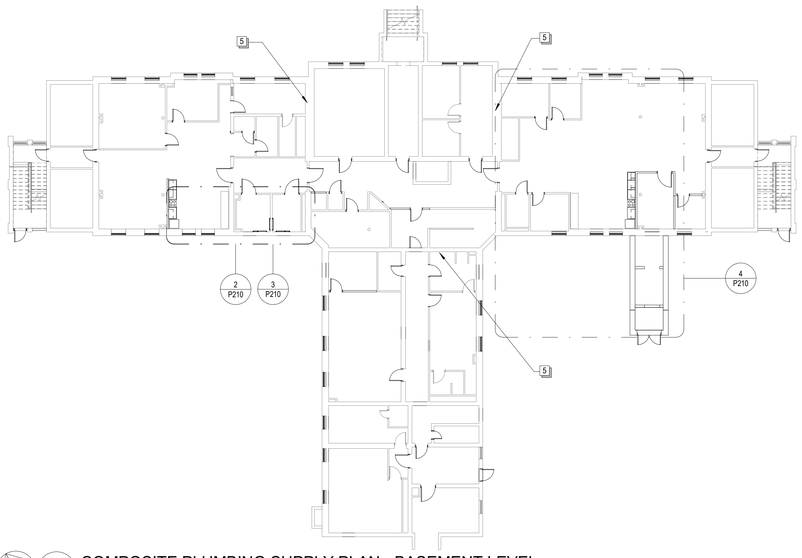
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

PLUMBING WASTE AND VENT PLANS - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: P112



1 P210 COMPOSITE PLUMBING SUPPLY PLAN - BASEMENT LEVEL
1/16" = 1'-0"

NORTH

GENERAL DEMOLITION NOTES

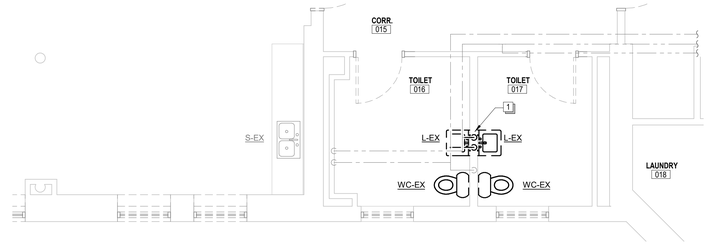
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

GENERAL NOTES:

1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE FINAL LOCATION OF EQUIPMENT TO COMPLY WITH LOCAL CODES AND HEALTH-DEPARTMENT AND CITY REQUIREMENTS.
3. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES. LOCATE FLOOR CLEANOUTS OUT OF TRAFFIC AREAS.
4. SEE "PLUMBING FIXTURE SCHEDULE" FOR FIXTURE TYPE AND SIZES OF INDIVIDUAL WASTES, VENTS AND DOMESTIC WATER PIPING CONNECTIONS TO FIXTURES.
5. IN ACCORDANCE WITH WRITTEN INSTRUCTIONS PUBLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE (PDI), PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT PIPE LOCATIONS NEAR FLUSHOMETER VALVES AND ELSEWHERE AS SHOWN. WATER HAMMER ARRESTORS SHALL COMPLY WITH PUBLISHED PDI NOMENCLATURE.
6. DO NOT INSTALL WATER SUPPLY PIPING IN SPACES SUBJECT TO FREEZING SUCH AS ATTICS AND CRAWL SPACES.
7. COORDINATE EXACT LOCATION OF FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS.
8. DEAD END PIPES ARE PROHIBITED. (DEAD-END PIPES ARE BRANCHES LEADING FROM A DRAIN, VENT OR POTABLE-WATER PIPE AND TERMINATING AT A DEVELOPED LENGTH OF 2 FEET OR MORE BY MEANS OF A PLUG, CAP OR OTHER CLOSED FITTING.)
9. PIPE AND FITTINGS EXPOSED TO VIEW IN FINISHED SPACES SHALL BE CHROME PLATED BRASS.

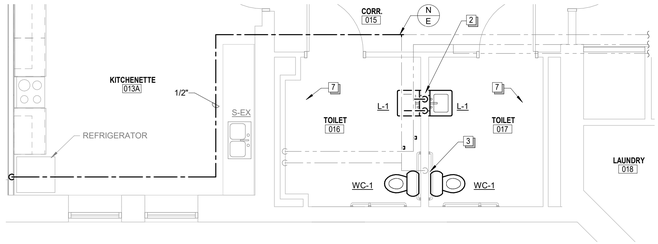
KEYNOTES [#]

1. DEMOLISH SUPPLY PIPING BACK TO MAIN AND CAP. PREPARE PIPING FOR NEW CONNECTION. SEE NEW WORK. DRAWN FOR CLARITY.
2. PROVIDE 3/4" SUPPLY LINES TO NEW LAVATORY.
3. CONNECT EXISTING SUPPLY LINE INTO NEW FIXTURE. MODIFY PIPING AS REQUIRED.
4. WATER SERVICE ENTRANCE, FIELD VERIFY ROUTING.
5. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS.
6. PROVIDE WATER LINE FOR ICE MACHINE IN REFRIGERATOR. COORDINATE WITH OWNER.
7. PROVIDE 2'-0" X 2'-0" CEILING ACCESS PANEL IN RESTROOM. LOCATE NEAR EXISTING SHUTOFF VALVES. RELOCATE SHUTOFF VALVES AS REQUIRED. FIELD VERIFY LOCATION. EX: NYSTROM MEDIUM SECURITY PANEL WITH DETENTION LOCK.



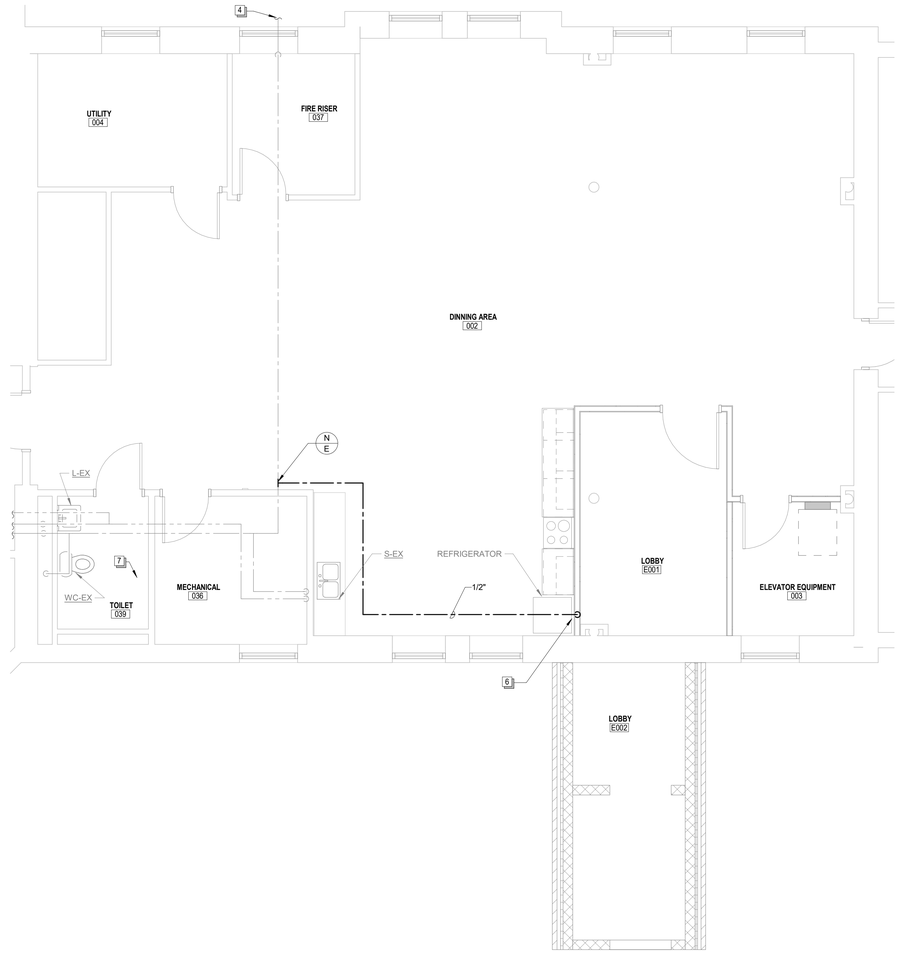
2 P210 PLUMBING DEMOLITION PLAN - WOMEN 016 / MEN 017
1/4" = 1'-0"

NORTH



3 P210 PLUMBING SUPPLY PLAN - WOMEN 016 / MEN 017
1/4" = 1'-0"

NORTH



4 P210 PLUMBING PLAN - ELEVATOR/LOBBY AREA
1/4" = 1'-0"

NORTH

DRAWN: AJL
DESIGNED: AJL
CHECKED: DMS
PROJ. MNGR: MJM

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

PLUMBING SUPPLY PLANS - BASEMENT LEVEL

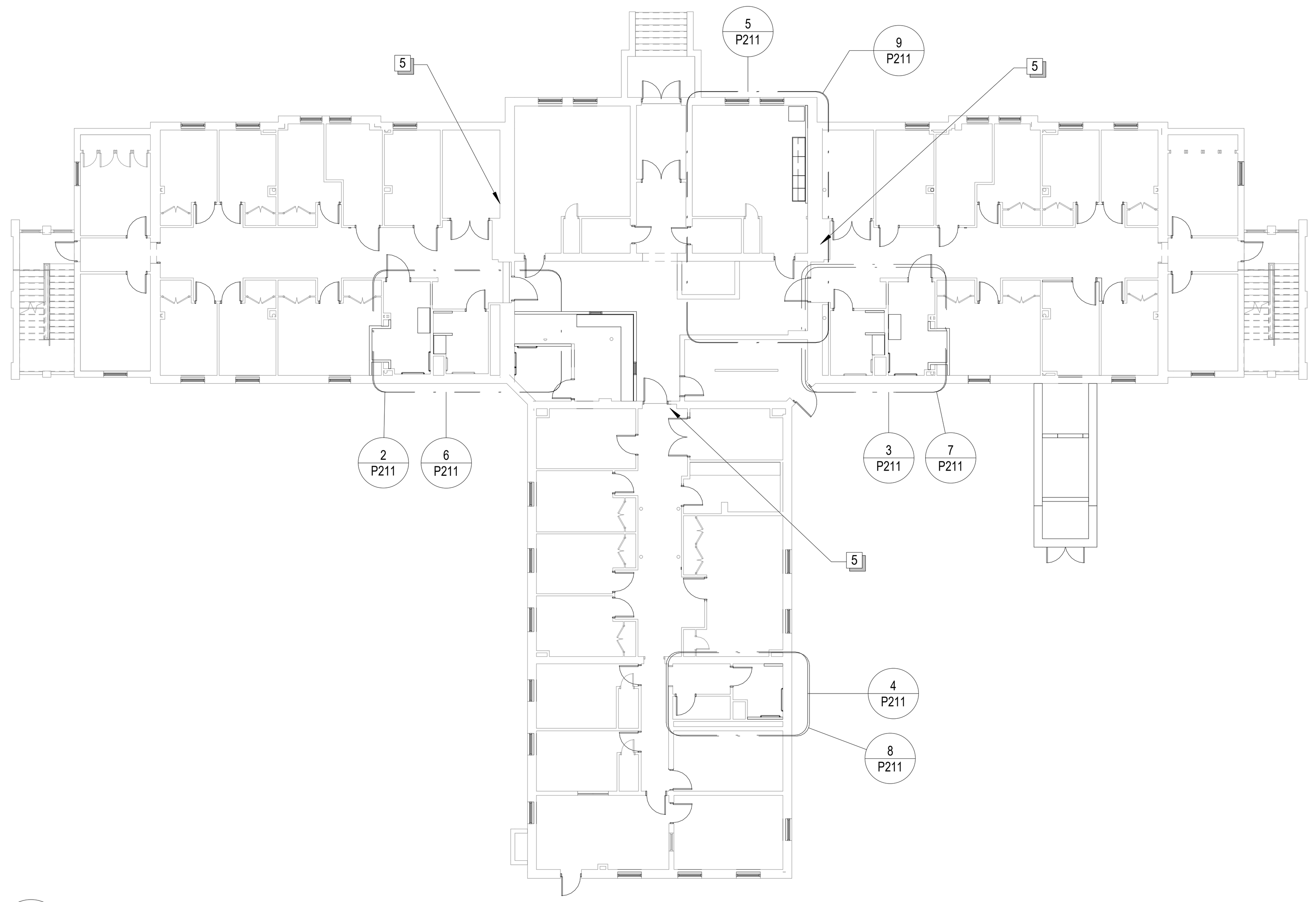
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: P210



1 P211 NORTH
COMPOSITE PLUMBING SUPPLY PLAN - FIRST LEVEL
1/16" = 1'-0"

GENERAL DEMOLITION NOTES

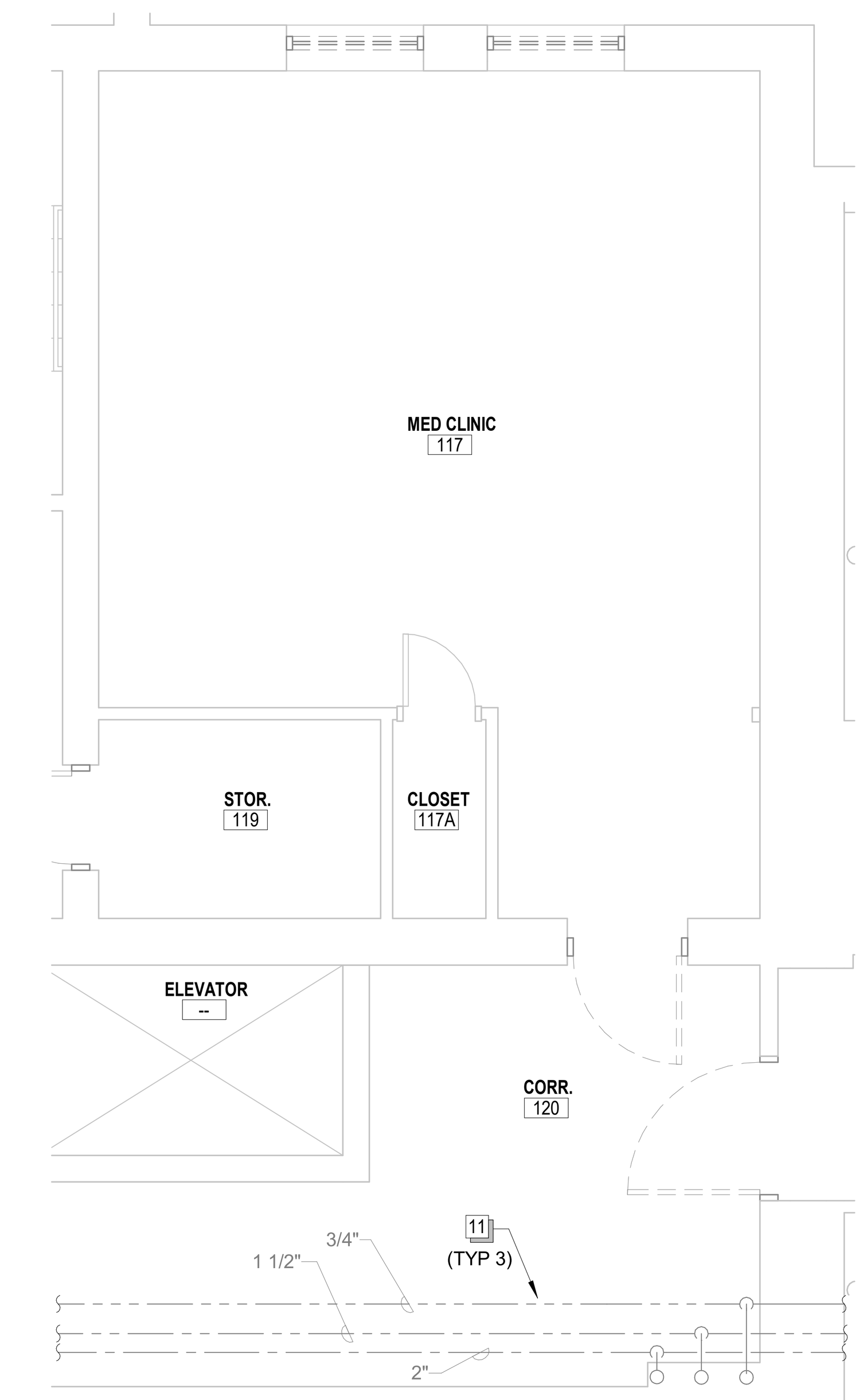
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

GENERAL NOTES:

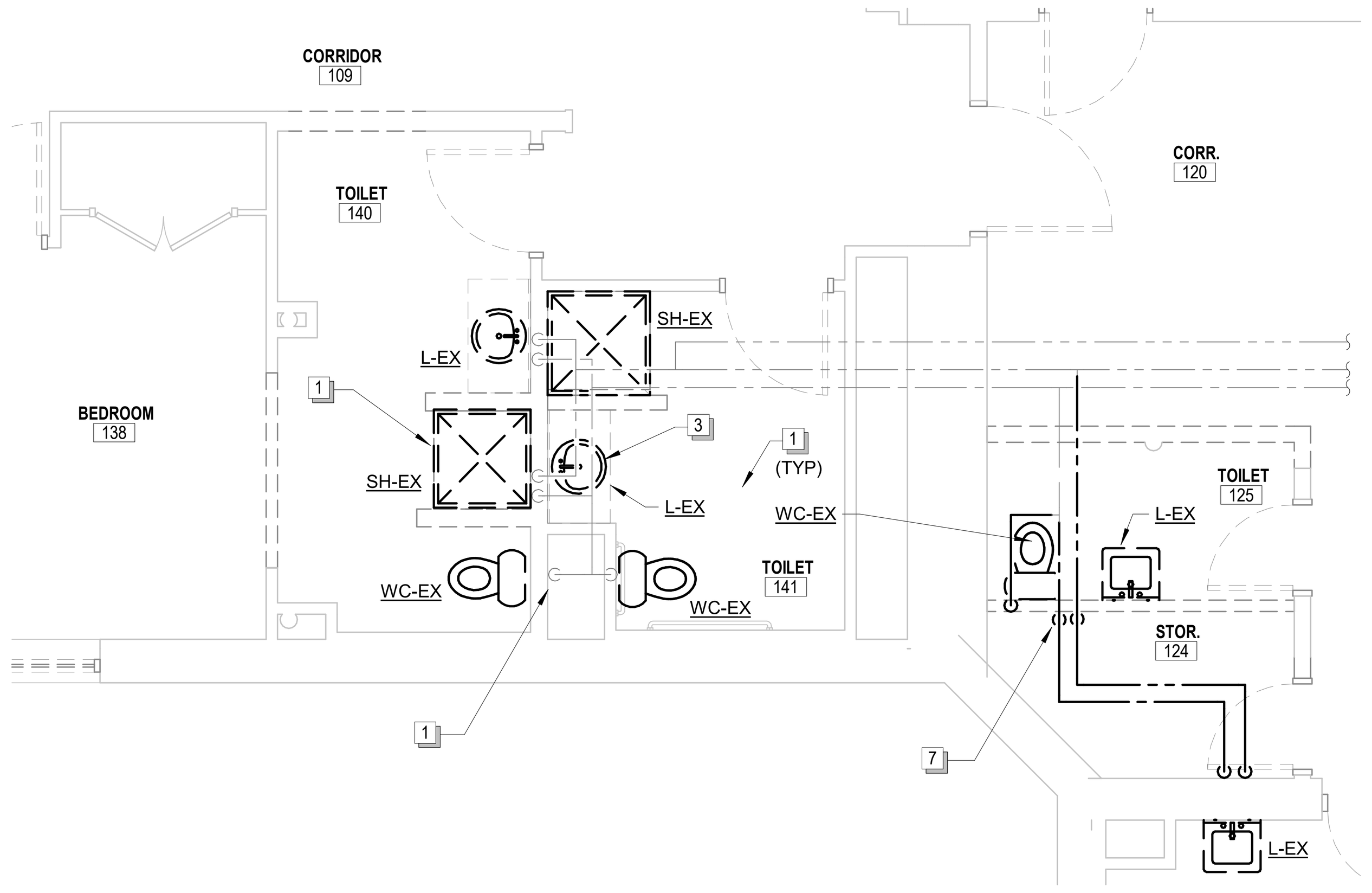
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE FINAL LOCATION OF EQUIPMENT TO COMPLY WITH LOCAL CODES AND HEALTH-DEPARTMENT AND CITY REQUIREMENTS.
3. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES. LOCATE FLOOR CLEANOUTS OUT OF TRAFFIC AREAS.
4. SEE “PLUMBING FIXTURE SCHEDULE” FOR FIXTURE TYPE AND SIZES OF INDIVIDUAL WASTES, VENTS AND DOMESTIC WATER PIPING CONNECTIONS TO FIXTURES.
5. IN ACCORDANCE WITH WRITTEN INSTRUCTIONS PUBLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE (PDI), PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT PIPE LOCATIONS NEAR FLUSHOMETER VALVES AND ELSEWHERE AS SHOWN. WATER HAMMER ARRESTORS SHALL COMPLY WITH PUBLISHED PDI NOMENCLATURE.
6. DO NOT INSTALL WATER SUPPLY PIPING IN SPACES SUBJECT TO FREEZING SUCH AS ATTICS AND CRAWL SPACES.
7. COORDINATE EXACT LOCATION OF FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS.
8. DEAD END PIPES ARE PROHIBITED. (DEAD-END PIPES ARE BRANCHES LEADING FROM A DRAIN, VENT OR POTABLE-WATER PIPE AND TERMINATING AT A DEVELOPED LENGTH OF 2 FEET OR MORE BY MEANS OF A PLUG, CAP OR OTHER CLOSED FITTING.)
9. PIPE AND FITTINGS EXPOSED TO VIEW IN FINISHED SPACES SHALL BE CHROME PLATED BRASS.

KEYNOTES

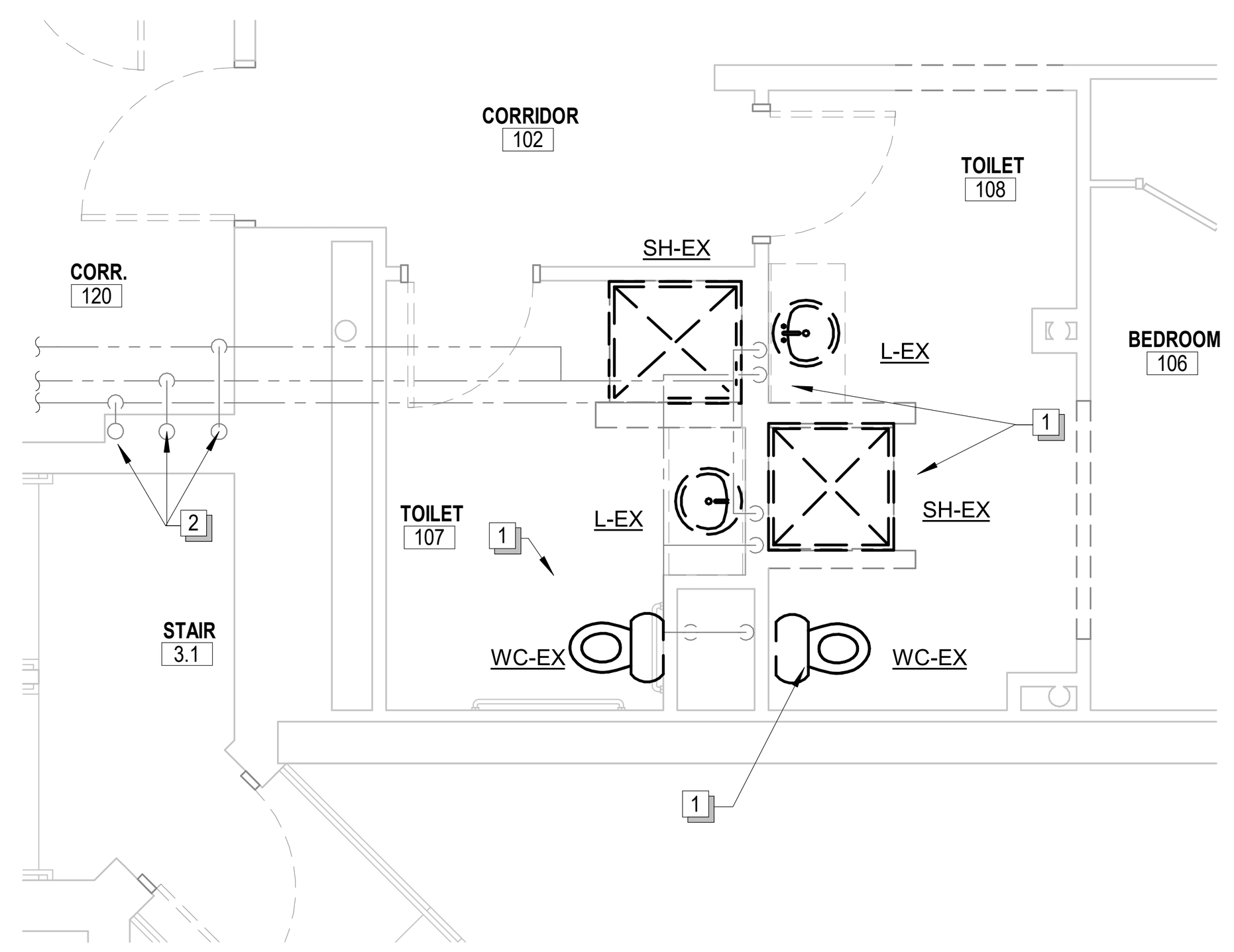
1. MODIFY SUPPLY PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT. SEE NEW WORK.
2. SUPPLY PIPING RISER TO FLOOR ABOVE.
3. REMOVE PIPING SERVING LAVATORY BACK TO MAIN AND CAP.
4. CONNECT EXISTING SUPPLY LINE INTO NEW FIXTURE. MODIFY PIPING AS REQUIRED.
5. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS.
6. PROVIDE SUPPLY PIPING AS REQUIRED TO CONNECT INTO PLUMBING FIXTURES.
7. DEMOLISH VERTICAL SUPPLY PIPING SERVING LAVATORY BACK TO MAIN AND CAP. SEE NEW WORK. FIELD VERIFY ROUTING, DRAWN FOR CLARITY.
8. PROVIDE WATER LINE FOR ICE MACHINE IN REFRIGERATOR. COORDINATE WITH OWNER.
9. PROVIDE CAP, FIELD VERIFY LOCATION.
10. PROVIDE 2'-0" X 2'-0" CEILING ACCESS PANEL IN RESTROOM. LOCATE NEAR EXISTING SHUTOFF VALVES. RELOCATE SHUTOFF VALVES AS REQUIRED. FIELD VERIFY LOCATION. EX: NYSTROM MEDIUM SECURITY PANEL WITH DETENTION LOCK.
11. PREPARE PIPING FOR NEW CONNECTION. FIELD VERIFY LOCATION.



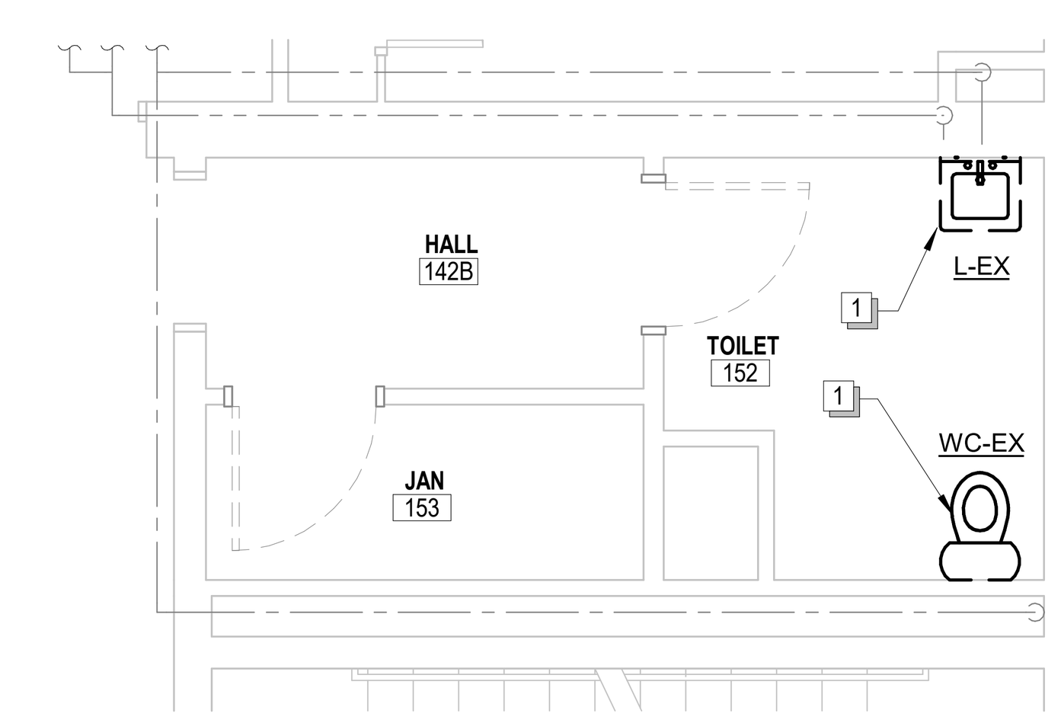
5 P211 NORTH
PLUMBING DEMOLITION PLAN - MED CLINIC 117
1/4" = 1'-0"



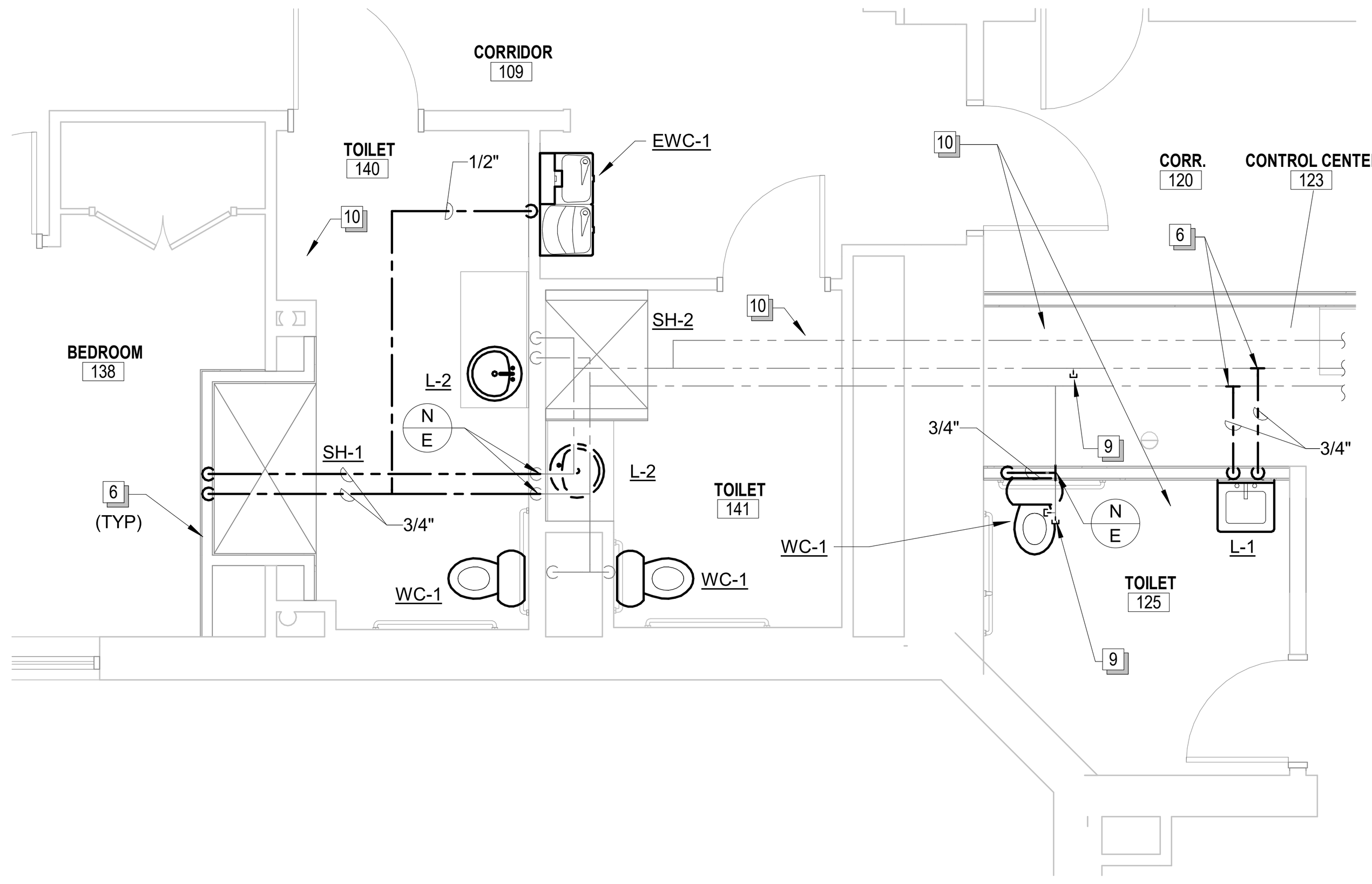
2 P211 NORTH
PLUMBING DEMOLITION PLAN - BATH 140 / BATH 141
1/4" = 1'-0"



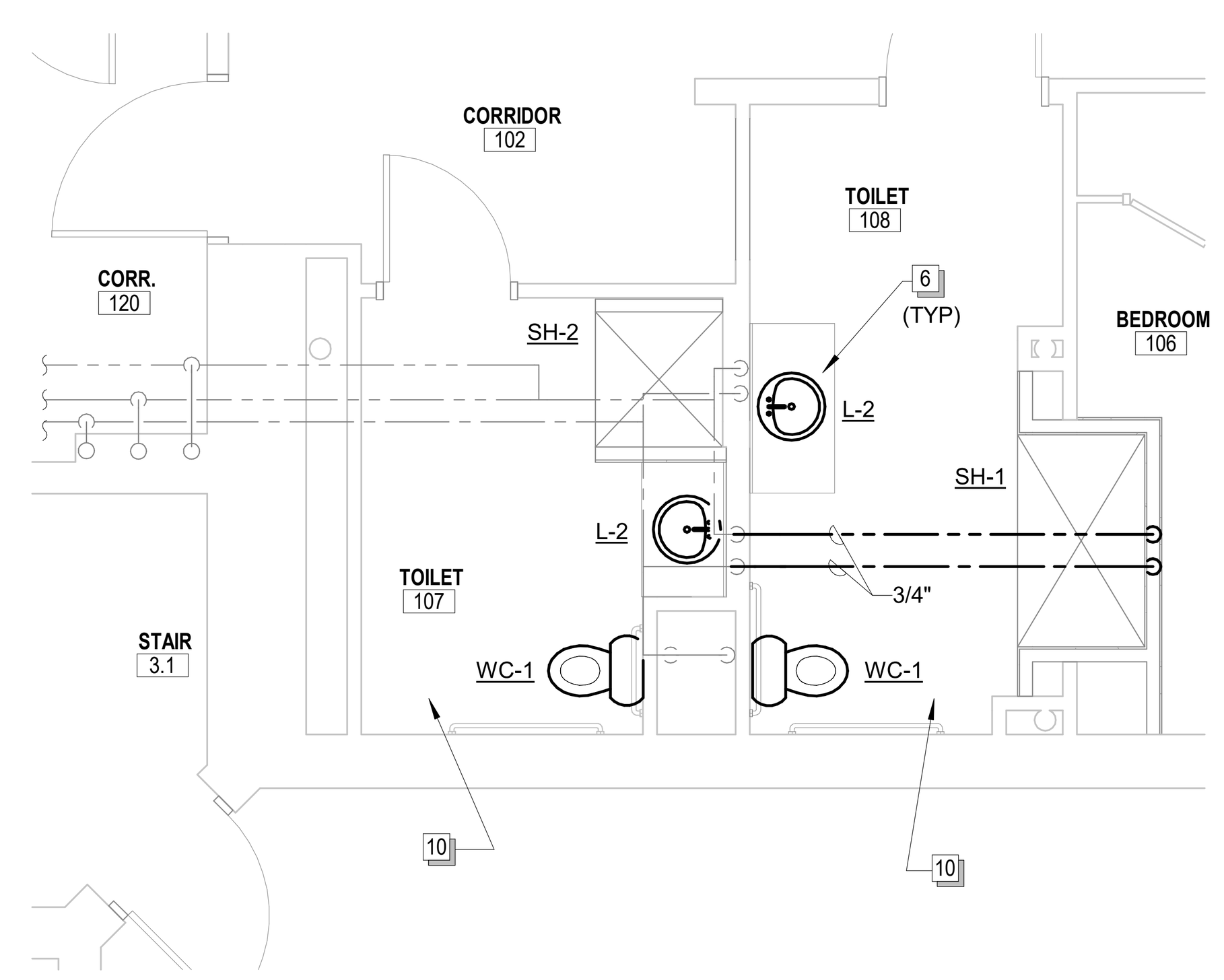
3 P211 NORTH
PLUMBING DEMOLITION PLAN - BATH 107 / BATH 108
1/4" = 1'-0"



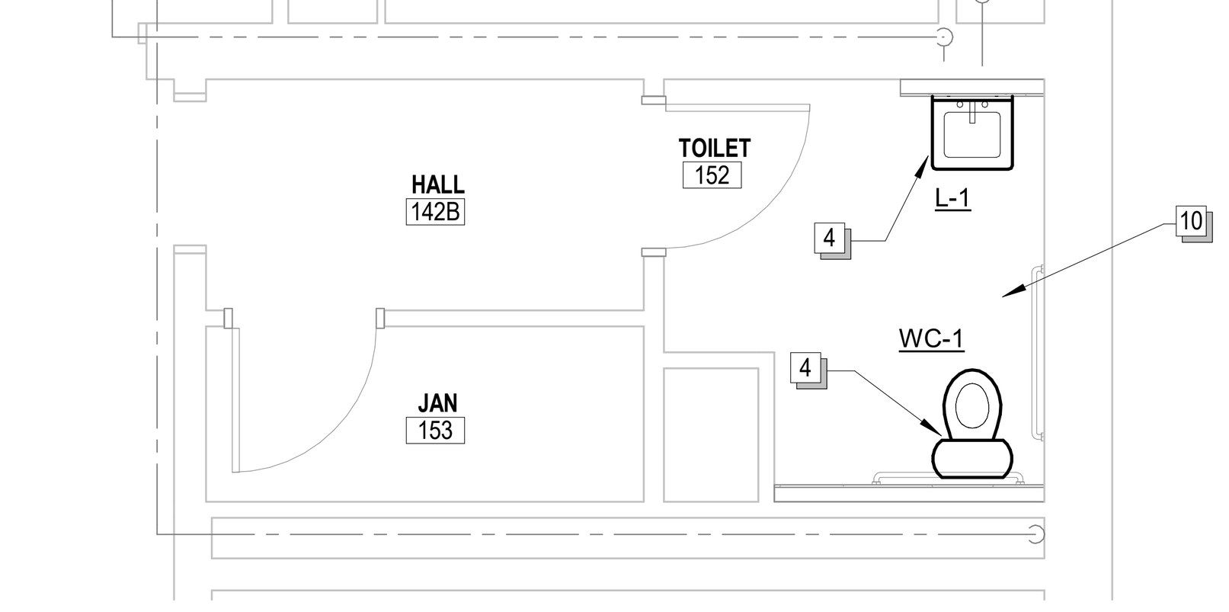
4 P211 NORTH
PLUMBING DEMOLITION PLAN - BATH 152
1/4" = 1'-0"



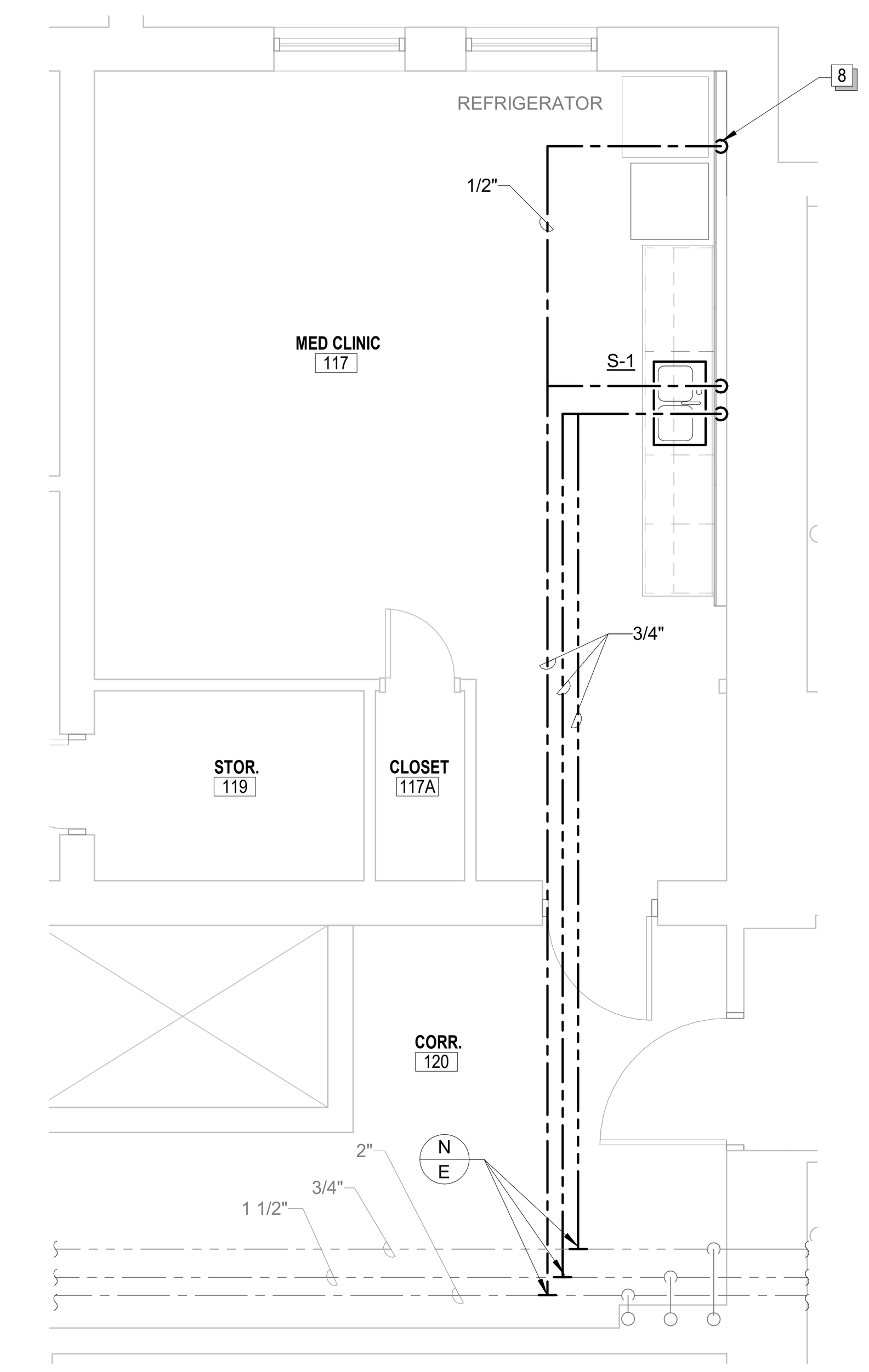
6 P211 NORTH
PLUMBING SUPPLY PLAN - BATH 140 / BATH 141
1/4" = 1'-0"



7 P211 NORTH
PLUMBING SUPPLY PLAN - BATH 107/108
1/4" = 1'-0"



8 P211 NORTH
PLUMBING PLAN - BATH 152
1/4" = 1'-0"



9 P211 NORTH
PLUMBING PLAN - MED CLINIC 117
1/4" = 1'-0"

DRAWN:	AJL
DESIGNED:	AJL
CHECKED:	DMS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

PLUMBING SUPPLY PLANS - FIRST LEVEL

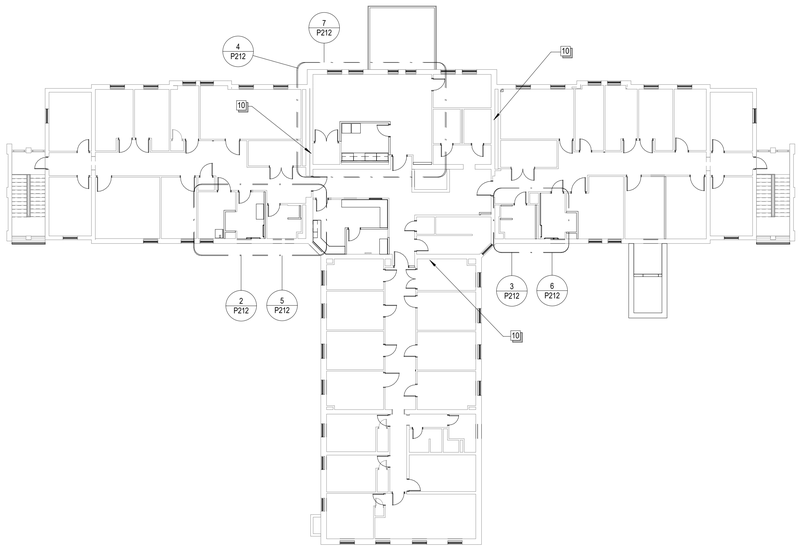
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: P211



1 P212 COMPOSITE PLUMBING SUPPLY PLAN - SECOND LEVEL
1/16" = 1'-0"
NORTH

GENERAL DEMOLITION NOTES

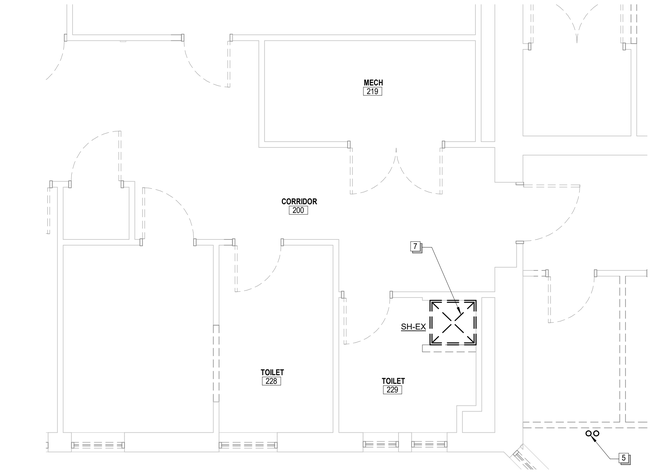
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
4. PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
5. COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
6. REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
7. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION BY OTHERS AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

GENERAL NOTES:

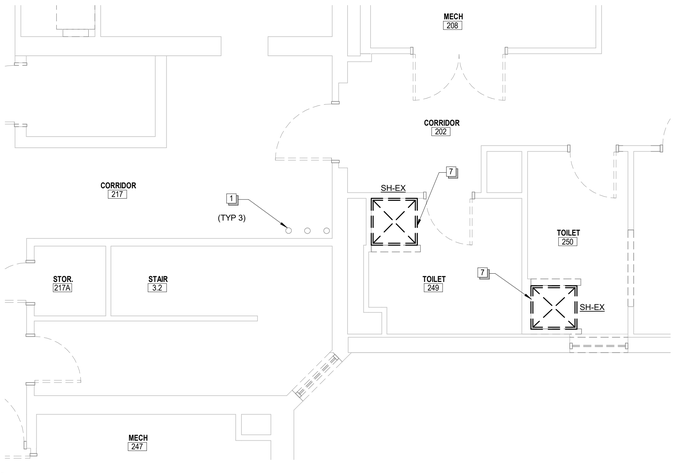
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE FINAL LOCATION OF EQUIPMENT TO COMPLY WITH LOCAL CODES AND HEALTH-DEPARTMENT AND CITY REQUIREMENTS.
3. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES. LOCATE FLOOR CLEANOUTS OUT OF TRAFFIC AREAS.
4. SEE "PLUMBING FIXTURE SCHEDULE" FOR FIXTURE TYPE AND SIZES OF INDIVIDUAL WASTES, VENTS AND DOMESTIC WATER PIPING CONNECTIONS TO FIXTURES.
5. IN ACCORDANCE WITH WRITTEN INSTRUCTIONS PUBLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE (PDI), PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT PIPE LOCATIONS NEAR FLUSHOMETER VALVES AND ELSEWHERE AS SHOWN. WATER HAMMER ARRESTORS SHALL COMPLY WITH PUBLISHED PDI NOMENCLATURE.
6. DO NOT INSTALL WATER SUPPLY PIPING IN SPACES SUBJECT TO FREEZING SUCH AS ATTICS AND CRAWL SPACES.
7. COORDINATE EXACT LOCATION OF FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS.
8. DEAD END PIPES ARE PROHIBITED. (DEAD-END PIPES ARE BRANCHES LEADING FROM A DRAIN, VENT OR POTABLE-WATER PIPE AND TERMINATING AT A DEVELOPED LENGTH OF 2 FEET OR MORE BY MEANS OF A PLUG, CAP OR OTHER CLOSED FITTING.)
9. PIPE AND FITTINGS EXPOSED TO VIEW IN FINISHED SPACES SHALL BE CHROME PLATED BRASS.

KEYNOTES

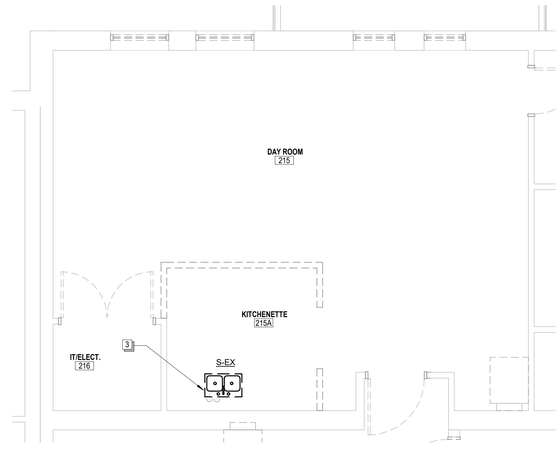
1. SUPPLY PIPING SERVING THIS FLOOR IS VALVED OFF AT FLOOR. PREPARE PIPING FOR NEW CONNECTION.
2. PROVIDE NEW SUPPLY PIPING TO SERVE NEW PLUMBING FIXTURES. FIELD VERIFY ROUTING.
3. MODIFY SUPPLY PIPING AS REQUIRED FOR NEW SINK. FIELD VERIFY LOCATION AND ROUTING.
4. CONNECT NEW REFRIGERATOR LINE INTO EXISTING SUPPLY STACK. PIPING SHALL BE ROUTED IN CEILING SPACE. FIELD VERIFY LOCATION AND SIZE.
5. EXISTING SUPPLY PIPING FOR CLOTHES WASHER SHALL BE REMOVED TO BELOW FLOOR AND CAPPED. FIELD VERIFY LOCATION.
6. PROVIDE SHUTOFF VALVES FOR RESTROOM. SHUTOFF VALVES SHALL BE INSTALLED IN CORRIDOR AND BE ACCESSIBLE. DRAWN FOR CLARITY, FIELD VERIFY FINAL LOCATION.
7. DEMOLISH EXISTING SHOWER, SEE NEW WORK.
8. PROVIDE 2'-0" X 2'-0" ACCESS PANEL FOR EXISTING PLUMBING SHUTOFF VALVES. FIELD VERIFY LOCATION. EX: NYSTROM MEDIUM SECURITY PANEL WITH DETENTION LOCK.
9. PROVIDE FIRE SEALANT AROUND PIPE PENETRATIONS THROUGH FLOOR. FIELD VERIFY LOCATION AND SIZE.
10. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS.



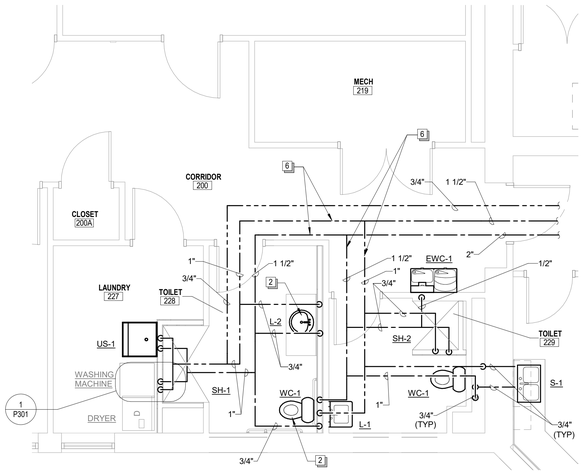
2 P212 PLUMBING DEMOLITION PLAN - BATH 228 / BATH 229
1/4" = 1'-0"
NORTH



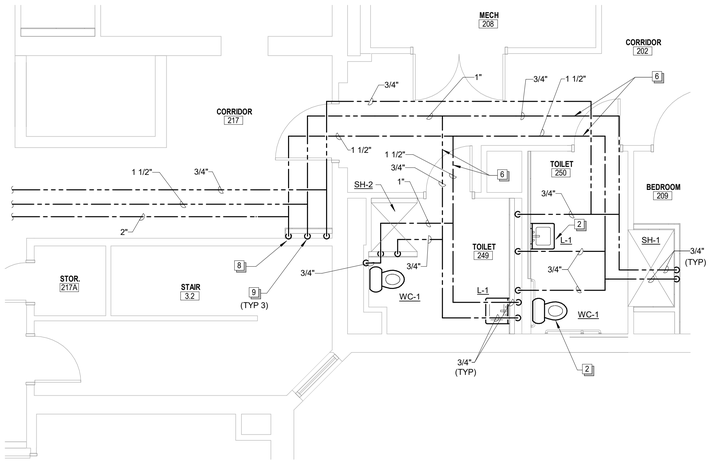
3 P212 PLUMBING DEMOLITION PLAN - BATH 249 / BATH 250
1/4" = 1'-0"
NORTH



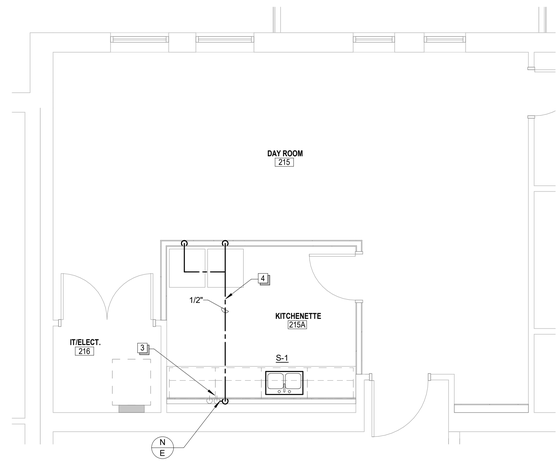
4 P212 PLUMBING DEMOLITION PLAN - KITCHENETTE
1/4" = 1'-0"
NORTH



5 P212 PLUMBING SUPPLY PLAN - BATH 228 / BATH 229
1/4" = 1'-0"
NORTH



6 P212 PLUMBING SUPPLY PLAN - BATH 249 / BATH 250
1/4" = 1'-0"
NORTH



7 P212 PLUMBING PLAN - KITCHENETTE
1/4" = 1'-0"
NORTH

NO.	DATE	DESCRIPTION	BY
0	09-01-2023	BID SET	KPE

DRAWN: AJL
DESIGNED: AJL
CHECKED: DMS
PROJ. MNGR: MJM

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

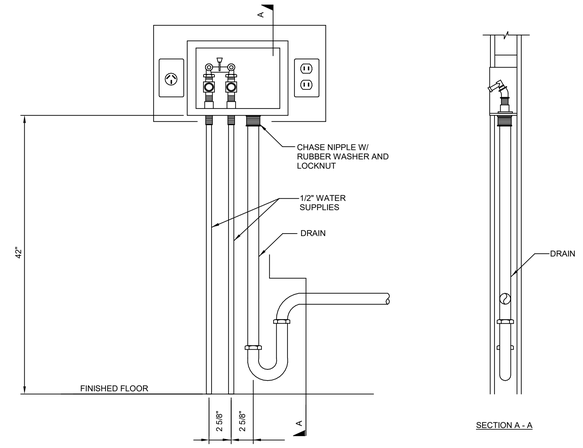
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

PLUMBING SUPPLY PLANS - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: P212



1 P301 PLUMBING ROUGH-IN MEASUREMENTS FOR WASHING MACHINE DETAIL
NO SCALE

PLUMBING DESCRIPTIONS

SEE SPECIFICATIONS FOR DEFINITIONS, SUBMITTAL REQUIREMENTS, QUALITY ASSURANCE REQUIREMENTS, EXTRA MATERIALS REQUIREMENTS, LISTS OF ACCEPTABLE MANUFACTURERS, FIXTURE SUPPORTS, CLEANOUTS, AND OTHER RELEVANT INFORMATION. PROVIDE PRODUCTS IN COMPLIANCE WITH WRITTEN REQUIREMENTS; EXAMPLE-PRODUCT INFORMATION IS PROVIDED ONLY FOR GENERAL DIRECTION. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS FROM MANUFACTURERS OTHER THAN THOSE GIVEN AS EXAMPLES MAY BE INCORPORATED INTO THE WORK.

MATCH FIXTURE FAUCET DRILLINGS TO SPECIFIED FAUCET. FAUCET AND MIXING-VALVE MINIMUM STANDARDS (UNLESS NOTED OTHERWISE): FAUCETS SHALL BE CHROME-PLATED CAST BRASS WITH NEITHER PLASTIC NOR POT-METAL COMPONENTS ALLOWED EXCEPT FAUCET AND VALVE CARTRIDGES MAY HAVE PLASTIC HOUSINGS (TUBULAR FAUCET SPOUTS ARE NOT ALLOWED.)

FIXTURE TRIM MINIMUM STANDARDS (UNLESS NOTED OTHERWISE)

P-TRAPS, DRAINS, CONTINUOUS WASTES, TAIL PIECES:
RETURN BENDS SHALL BE CHROME-PLATED CAST-BRASS WITH CLEANOUTS. TUBULAR WASTE TRIM SHALL BE 17-GA, CHROME-PLATED BRASS. JAM NUTS SHALL BE CHROME-PLATED CAST BRASS. DRAINS SHALL BE CHROME-PLATED CAST BRASS. REMOVABLE PVC IS TAILPIECES IS ACCEPTABLE WHEN HIDDEN FROM VIEW.

WATER SUPPLIES:
RISERS SHALL BE CHROME PLATED SOFT COPPER WHERE EXPOSED TO VIEW. FLEXIBLE BRAIDED RISERS ARE ALLOWED WHERE HIDDEN FROM VIEW.
SHUT-OFFS SHALL BE CHROME PLATED WITH BRASS BODIES, BRASS STEMS, AND LOOSE-KEY STOPS.

SEAL JOINTS BETWEEN FIXTURES AND WALLS, FLOORS, AND COUNTERTOPS USING SANITARY-TYPE, ONE-PART, MILDEW-RESISTANT SILICONE SEALANT. MATCH SEALANT COLOR TO FIXTURE COLOR.

DRINKING FOUNTAINS:

EWC-1:

FIXTURE: SELF-CONTAINED, ELECTRIC REFRIGERATED, BI-LEVEL, WALL-MOUNTED WATER COOLER DESIGNED FOR READY ACCESSIBILITY BY THE HANDICAPPED. PROVIDE STAINLESS STEEL PANELS AND PUSH-BUTTON ACTIVATED, VANDAL-RESISTANT BUBBLER. UNIT SHALL PROVIDE 8 GPH OF 50 DEGF WATER WITH 80 DEGF INLET WATER AT 90 DEGF AMBIENT. PROVIDE WITH STAINLESS STEEL BOTTLE FILLER THAT CONNECTS SEAMLESSLY WITH MAIN UNIT, AND WITH DIGITAL/VISUAL DISPLAY TO COUNT PLASTIC BOTTLES SAVED. PROVIDE WITH PERFORATED LOUVERS TO KEEP OBJECTS FROM BEING INSERTED INTO COOLERS.
EXAMPLE: ELKAY EZ
P-TRAP AND COLD-WATER SUPPLY.
SUPPORT: MOUNT ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND ADA.

LAVATORIES:

L-1:

FIXTURE: WALL HUNG LAVATORY, VITREOUS CHINA, FRONT OVERFLOW D-SHAPED BOWL WITH BACKSPLASH AND FAUCET LEDGE, 20.5" X 18", MOUNT AT ADA HEIGHT.
EXAMPLE: AMERCIAN STANDARD LUCERNE OR PRE-APPROVED EQUIVALENT OR PRE-APPROVED EQUIVALENT
FAUCET: SINGLE CONTROL 4" CENTERSET FAUCET, 0.5 GPM, VANDAL-RESISTANT, BRASS BODY, CHROME PLATED, AND 4-5/8" SPOUT.
EXAMPLE: AMERICAN STANDARD MONTERREY OR PRE-APPROVED EQUIVALENT.
TRIM: DRAINS, SUPPLIES AND UMV. PROVIDE WITH ADA INSULATION SHIELDS.
DRAIN: GRID.

L-2:

FIXTURE: PROVIDE WITH COUNTER TOP. MATCH EXISTING STYLE.
FAUCET: SINGLE CONTROL 4" CENTERSET FAUCET, 0.5 GPM, VANDAL-RESISTANT, BRASS BODY, CHROME PLATED, AND 4-5/8" SPOUT.
EXAMPLE: AMERICAN STANDARD MONTERREY OR PRE-APPROVED EQUIVALENT.
TRIM: DRAINS, SUPPLIES AND UMV. PROVIDE WITH ADA INSULATION SHIELDS.
DRAIN: GRID.

SHOWERS:

SH-1:

FIXTURE: INDIVIDUAL COVERALL WALL SHOWER, CENTER DRAIN LOCATION, ADA COMPLIANT, SLIP RESISTANT TEXTURED BOTTOM, ALL DIMENSIONS NEED TO BE FIELD VERIFIED PERIOR TO ORDERING. PROVIDE MANUFACTURERS HANDHELD SHOWER ASSEMBLY WITH SLIDE BAR. PROVIDE MANUFACTURERS SEAT AND GRAB BARS FOR ADA.
EXAMPLE: AQUATIC 6036CFS-WH OR PRE-APPROVED EQUIVALENT
MIXING VALVE: PRESSURE BALANCING VALVE, STAINLESS STEEL BALANCING PISTON, CHECK STOPS ON INLETS, VANDAL RESISTANT ADA HANDLE, TAMPER RESISTANT LIMIT STOPS.
EXAMPLE: AQUATIC (MANUFACTURER OPTION) OR PRE-APPROVED EQUIVALENT

SH-2:

FIXTURE: INDIVIDUAL COVERALL WALL SHOWER, CENTER DRAIN LOCATION, SLIP RESISTANT TEXTURED BOTTOM, ALL DIMENSIONS NEED TO BE FIELD VERIFIED PRIOR TO ORDERING. PROVIDE MANUFACTURERS HANDHELD SHOWER ASSEMBLY WITH SLIDE BAR. DO NOT PROVIDE ADA BARS OR SEAT.
EXAMPLE: AQUATIC 1363BFSD-WH OR PRE-APPROVED EQUIVALENT
MIXING VALVE: PRESSURE BALANCING VALVE, STAINLESS STEEL BALANCING PISTON, CHECK STOPS ON INLETS, VANDAL RESISTANT HANDLE, TAMPER RESISTANT LIMIT STOPS.
EXAMPLE: AQUATIC (MANUFACTURER OPTION) OR PRE-APPROVED EQUIVALENT

SINKS:

S-1:

FIXTURE: 18 GAUGE TYPE 304 STAINLESS STEEL DOUBLE BOWL SINK, SELF-RIMMING, FLUSH FITTING DECK, AND SOUND DAMPER. DIMENSIONS
(33" X 19-1/2" O.A. BOWLS 14" X 14" X 5-3/8" DEEP. 3 FAUCET HOLES ON 8" CENTERS, AND 3-1/2" DRAIN OPENING. ADA COMPLIANT.
EXAMPLE: ELKAY LRAD OR PRE-APPROVED EQUIVALENT
FAUCET: COMBINATION FITTING, 3- HOLE DECK-MOUNT WITH 8" VANDAL-RESISTANT WRISTBLADE HANDLES, 8" L-TYPE SWING SPOUT, AND 1.5
GPM FLOW RESTRICTOR AERATOR.
EXAMPLE: CHICAGO FAUCETS 1100 SERIES OR PRE-APPROVED EQUIVALENT
TRIM: DRAINS AND SUPPLIES
DRAIN: GRID

US-1:

FIXTURE: SINGLE BOWL, 14 GAUGE STAINLESS STEEL COMPARTMENT SINK. 27" X 27" X 14" FLOOR MOUNT WITH LEGS, CENTER DRAIN 3.5".
WITH 8" BACKSPLASH FOR MOUNT OF FAUCET.
EXAMPLE: ELKAY WELDBILT WNSF OR PRE-APPROVED EQUIVALENT
FAUCET: 8" CENTERSET DECK/WALL MOUNT FAUCET WITH 8" SPOUT AND 2-INCH LEVERS, CHROME PLATED BRASS, QUARTER TURN VALVES,
AND 2 FAUCET HOLES.
EXAMPLE: ENCORE KL54 OR PRE-APPROVED EQUIVALENT
TRIM: DRAINS AND SUPPLIES
DRAIN: GRID

WATER CLOSETS:

WC-1:

FIXTURE: FLOOR-MOUNT, ELONGATED FRONT RIM, ADA/COMFORT HEIGHT, VITREOUS CHINA
FIXTURE, SIPHON JET, TANK-TYPE TOILET WITH 1.28 GPF.
EXAMPLE: ZURN Z5555 OR PRE-APPROVED EQUIVALENT
SEAT: WHITE, SOLID-PLASTIC, OPEN-FRONT, ELONGATED, COVERLESS SEAT WITH CHECK HINGE.
TRIM: CLOSET-BOLT CAPS

	DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
	AJL	AJL	DMS	MJM

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

PLUMBING SCHEDULES AND DETAILS

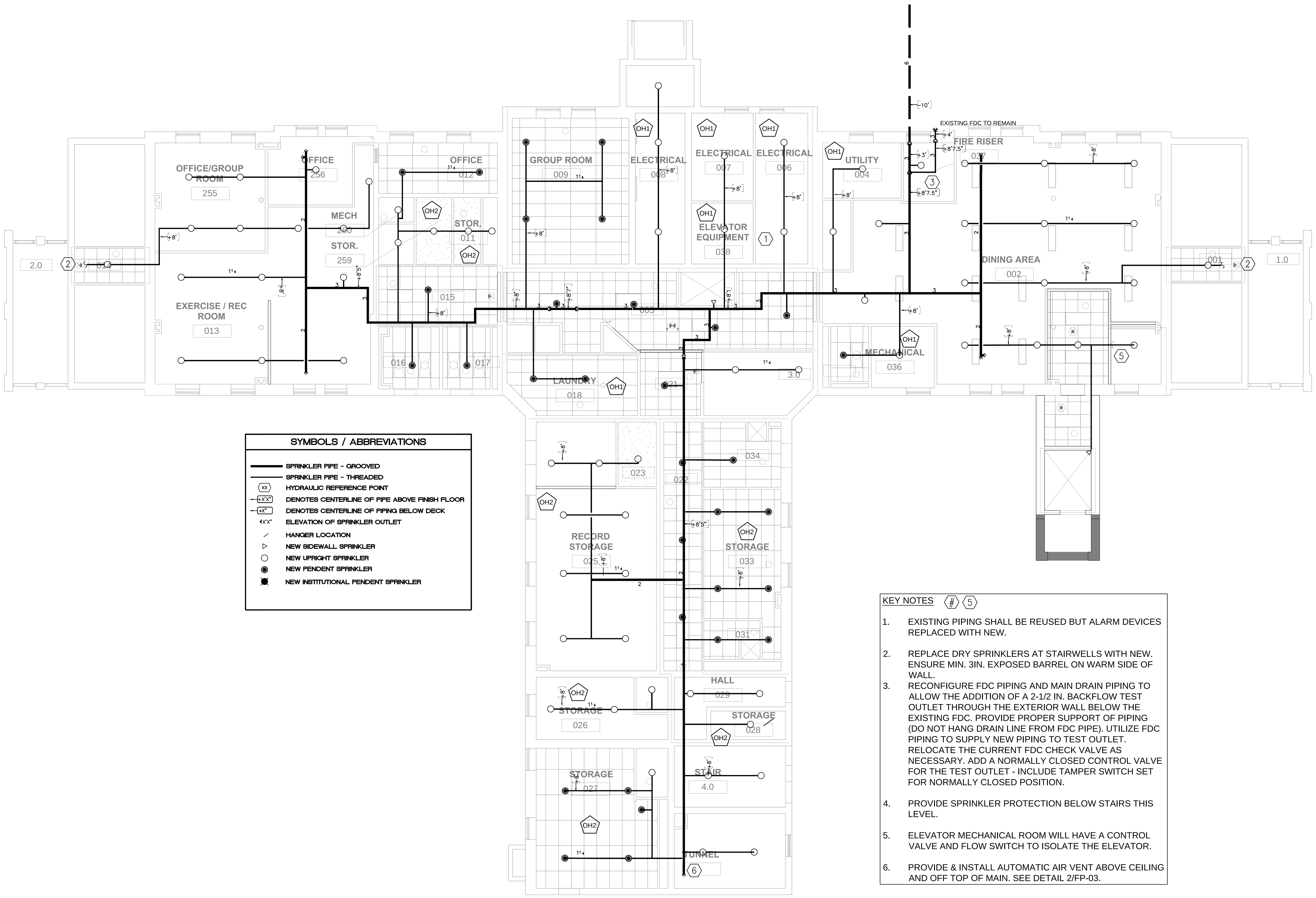
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: P301



SYMBOLS / ABBREVIATIONS

- SPRINKLER PIPE - GROOVED
- SPRINKLER PIPE - THREADED
- XX — HYDRAULIC REFERENCE POINT
- DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR
- DENOTES CENTERLINE OF PIPING BELOW DECK
- ELEVATION OF SPRINKLER OUTLET
- HANGER LOCATION
- NEW SIDEWALL SPRINKLER
- NEW UPRIGHT SPRINKLER
- NEW PENDENT SPRINKLER
- NEW INSTITUTIONAL PENDENT SPRINKLER

KEY NOTES (#) 5

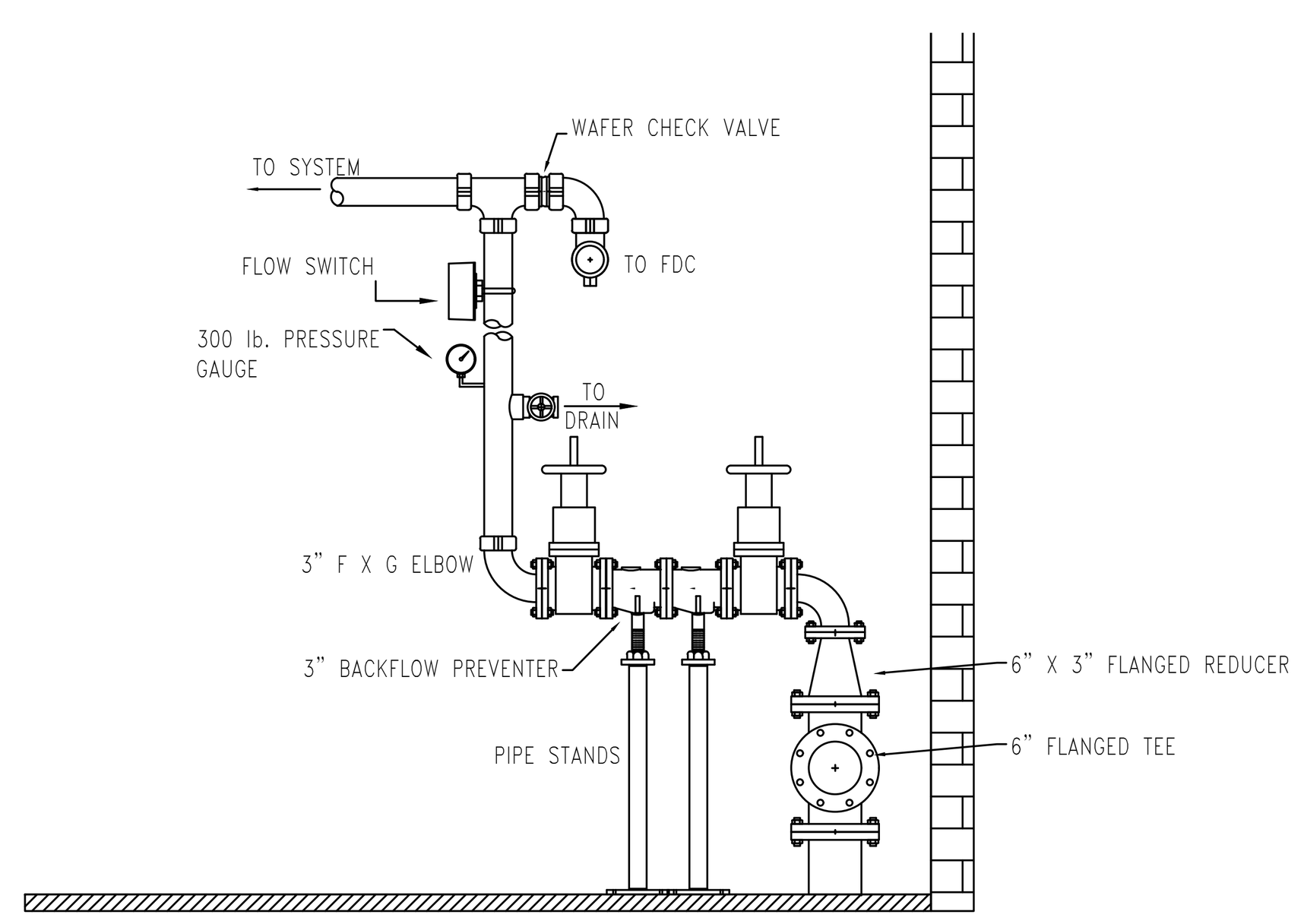
1. EXISTING PIPING SHALL BE REUSED BUT ALARM DEVICES REPLACED WITH NEW.
2. REPLACE DRY SPRINKLERS AT STAIRWELLS WITH NEW. ENSURE MIN. 3IN. EXPOSED BARREL ON WARM SIDE OF WALL.
3. RECONFIGURE FDC PIPING AND MAIN DRAIN PIPING TO ALLOW THE ADDITION OF A 2-1/2 IN. BACKFLOW TEST OUTLET THROUGH THE EXTERIOR WALL BELOW THE EXISTING FDC. PROVIDE PROPER SUPPORT OF PIPING (DO NOT HANG DRAIN LINE FROM FDC PIPE). UTILIZE FDC PIPING TO SUPPLY NEW PIPING TO TEST OUTLET. RELOCATE THE CURRENT FDC CHECK VALVE AS NECESSARY. ADD A NORMALLY CLOSED CONTROL VALVE FOR THE TEST OUTLET - INCLUDE TAMPER SWITCH SET FOR NORMALLY CLOSED POSITION.
4. PROVIDE SPRINKLER PROTECTION BELOW STAIRS THIS LEVEL.
5. ELEVATOR MECHANICAL ROOM WILL HAVE A CONTROL VALVE AND FLOW SWITCH TO ISOLATE THE ELEVATOR.
6. PROVIDE & INSTALL AUTOMATIC AIR VENT ABOVE CEILING AND OFF TOP OF MAIN. SEE DETAIL 2/FP-03.

1 BASEMENT FIRE PROTECTION PLAN

SCALE: 1/8" = 1'-0"

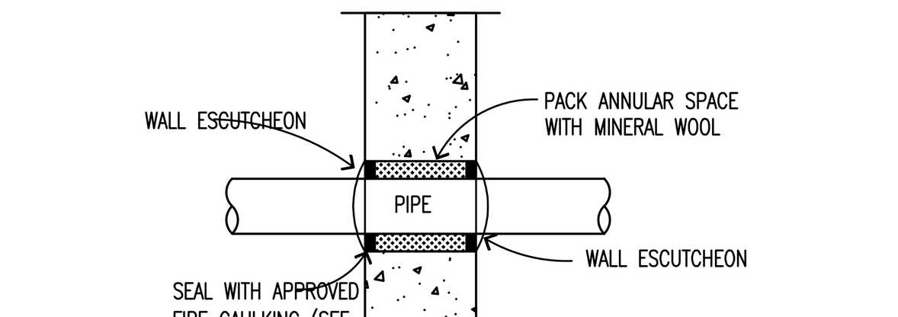
0' 4' 8' 12' 16'

NORTH



2 EXISTING SYSTEM RISER DETAIL

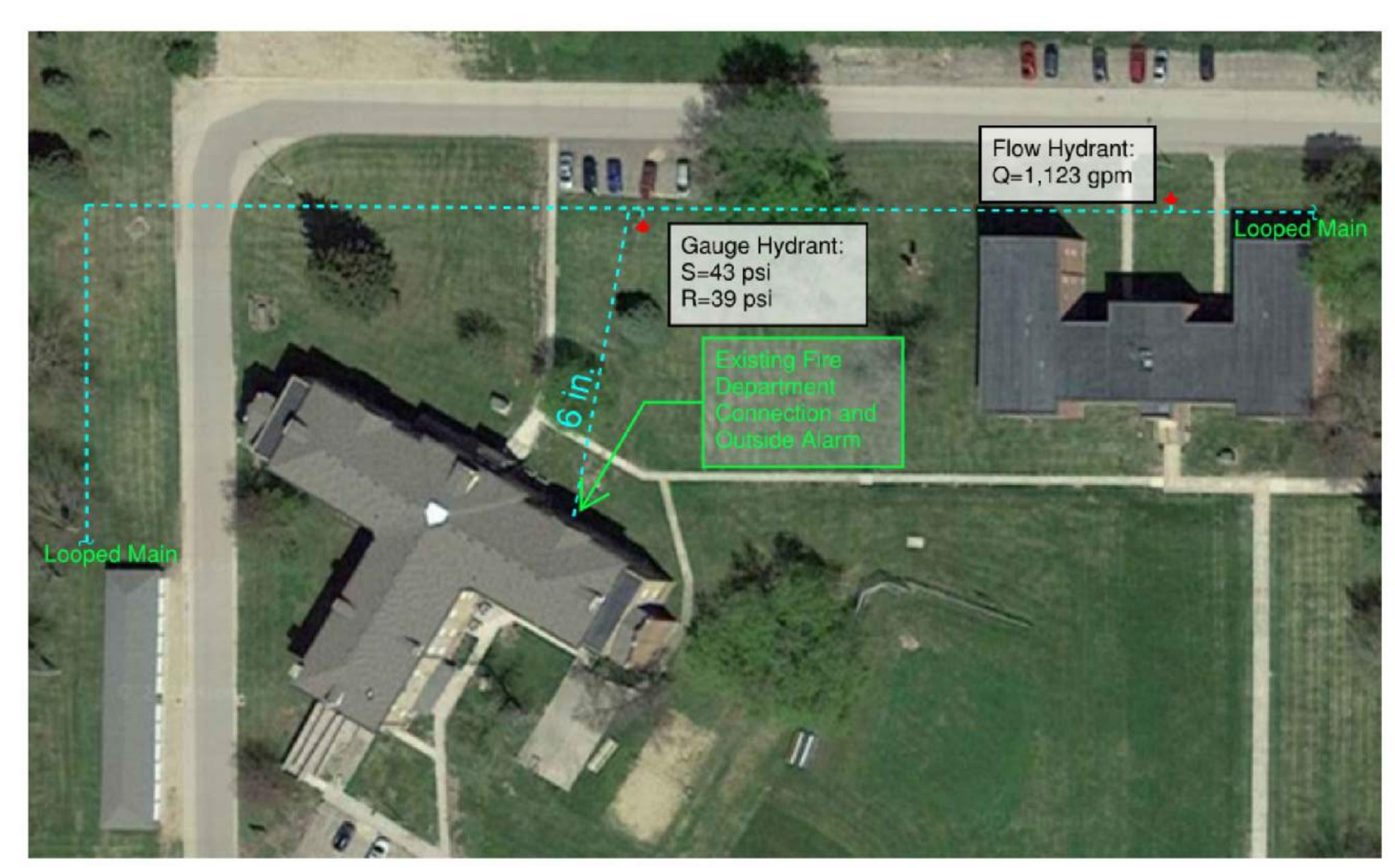
1/2" = 1'-0"



NOTE:
HOLES THROUGH RATED WALLS SHALL BE A MINIMUM OF 2 IN. LARGER THAN THE OUTSIDE DIAMETER OF THE PIPE PASSING THRU THE RATED WALL. THIS SPACE SHALL BE FILLED WITH MINERAL WOOL AND SEALED WITH AN APPROVED LISTED FIRE CAULK OR SEALANT. ALL PENETRATIONS OF FIRE RATED WALLS AND ASSEMBLIES SHALL BE UL LISTED FOR THAT PURPOSE, FOR BOTH THE TYPE OF PIPE MATERIAL AND WALL OR CEILING/FLOOR CONSTRUCTION. LISTED ALTERNATE METHODS WILL BE ACCEPTED.

4 RATED WALL PENETRATION DETAIL

NTS



3 SITE PLAN

SCALE: N/A

GENERAL NOTES

1. THIS PROJECT INCLUDES THE REVISION OF THE EXISTING FIRE SPRINKLER SYSTEM THROUGHOUT THE THREE LEVELS OF THE BUILDING TO ACCOMMODATE NEW WALLS AND CEILINGS. PIPING SHOWN IS BASED ON LIMITED SURVEYS, CONTRACTOR TO CONDUCT SURVEY TO VERIFY LOCATIONS OF EXISTING PIPING. IT IS ANTICIPATED THAT MOST PIPING CAN REMAIN WITH MODIFICATIONS LIMITED TO ARM-OVERS AND DROPS, AS WELL AS A NEW BACKFLOW TEST OUTLET. ALL EXISTING SPRINKLERS SHALL BE REPLACED WITH NEW.
2. VERYIFY EXISTING PIPING IS SUFFICIENT TO PROVIDE PROTECTION TO THE HAZARD CLASSIFICATION SHOWN. UP-SIZE PIPING WHERE NECESSARY.
3. THE SECOND FLOOR SPRINKLERS SHALL BE REVISED AS DESCRIBED ON SHEET FP-3. THE ATTIC IS OF NONCOMBUSTIBLE CONSTRUCTION AND THEREFORE NO WORK IS REQUIRED WITHIN.
4. THE ARCHITECTURAL BACKGROUNDS PROVIDED ON THESE SHEETS ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL BACKGROUNDS WITH ARCHITECTURAL SHEETS AND A SITE VISIT.
5. SYSTEM DESIGN TO BE PER NFPA 13, 2019 EDITION AND THESE DRAWINGS AND SPECIFICATIONS.
6. CONTRACTOR SHALL OBTAIN SIGNED OWNER'S CERTIFICATE AS PER NFPA 13 AND SPECIFICATIONS.
7. REFER TO SPECIFICATIONS SECTIONS 21 0500 AND 21 1300 FOR ADDITIONAL INFORMATION REGARDING THE FIRE PROTECTION SYSTEM.
8. SEE PROJECT SPECIFICATIONS FOR SYSTEM TESTING REQUIREMENTS (HYDROSTATIC, BACKFLOW TESTING ETC.).
9. PIPING:
   - 9.1. SPRINKLER CONTRACTOR SHALL COORDINATE LOCATION OF ALL PIPING AND SPRINKLERS WITH OTHER TRADES, HVAC SYSTEMS IN PARTICULAR. COORDINATION SHALL OCCUR DURING PREPARATION OF SHOP DRAWINGS, AS WELL AS IN THE FIELD.
   - 9.2. NEW SPRINKLER PIPING SHALL BE ROUGHED-IN PRIOR TO OR CONCURRENTLY WITH THE INSTALLATION OF MAJOR DUCTWORK. INSTALLATION OF SPRINKLERS BELOW OBSTRUCTING DUCTWORK MAY OCCUR LATER.
   - 9.3. ACTUAL ROUTING OF ALL NEW SPRINKLER SYSTEM PIPING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUBJECT TO APPROVAL BY THE ENGINEER.
   - 9.4. WET SYSTEM PIPING AND FITTINGS SHALL MEET THE REQUIREMENTS OF NFPA-13, EXCEPT THAT PRESS-FIT AND CPVC SYSTEMS ARE NOT APPROVED FOR THIS PROJECT.
   - 9.5. ALL THREADED PIPING SHALL BE SCHEDULE 40 OR EQUIVALENT.
   - 9.6. PIPING PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATIONS (SEE ALSO DETAIL 4).
   - 9.7. PAINTING OF EXPOSED PIPE TO BE BY DIVISION 9.
10. HANGERS:
    - 10.1. HANGERS, HANGER RODS, CLAMPS, AND INSERTS SHALL BE IN ACCORDANCE WITH NFPA-13.
    - 10.2. TRAPEZE-STYLE HANGING ASSEMBLIES MAY BE USED, BUT ONLY WITH DOCUMENTATION ON THE SHOP DRAWINGS VALIDATING THE SIZING OF THE TRAPEZE MEMBERS. WHEN A TRAPEZE MEMBER IS NOT EXPLICITLY LISTED IN NFPA-13 (E.G. UNISTRUT), DOCUMENTATION MUST BE PROVIDED THAT INDICATES ADEQUATE SECTION MODULUS AND OTHER PERTINENT PARAMETERS ARE BEING MET.
11. SPRINKLERS:
    - 11.1. PROTECTION OF SPRINKLERS FROM PAINTING SHALL BE THE RESPONIBILITY OF OTHERS.
    - 11.2. ALL AUTOMATIC SPRINKLERS LOCATED WITHIN SUSPENDED TILE CEILINGS SHALL BE WHITE, CONCEALED. UNLESS OTHERWISE NOTED, REMAINING EXPOSED SPRINKLERS SHALL ALSO BE WHITE. WHERE NOTED INSTITUTIONAL SPRINKLERS SHALL BE WHITE.
    - 11.3. SPRINKLERS SHALL BE LOCATED IN THE CENTER OF TILE. HEAD GUARDS LISTED FOR USE WITH THE RESPECTIVE SPRINKLERS SHALL BE INSTALLED ANYWHERE EXPOSED SPRINKLERS ARE LOCATED BELOW 7'-0" AFF AND/OR ARE SUSCEPTIBLE TO DAMAGE.
    - 11.4. ELECTRICAL AND MECHANICAL ROOMS SHALL UTILIZE INTERMEDIATE TEMPERATURE RATED SPRINKLERS.
12. ALARMS:
    - 12.1. NEW TAMPER SWITCHES AND FLOW SWITCHES ARE TO BE PROVIDED AND INSTALLED BY THE SPRINKLER CONTRACTOR AND WIRED BY OTHERS.
13. WATER SUPPLY DATA: CONTRACTOR SHALL USE THE FOLLOWING WATER SUPPLY INFORMATION:
    - 13.1. STATIC: 43 PSI RESIDUAL: 39 PSI FLOWING: 1,123 GPM
    - 13.2. TEST CONDUCTED BY : SUMMIT FIRE CONSULTING DATE: 10/05/2022
    - 13.3. EFFECTIVE POINT: WHERE 6 INCH UNDERGROUND LEAD-IN CONNECTS TO 8 INCH UNDERGROUND LOOP MAIN. SEE 3/FP-01.
    - 13.4. HOSE ALLOWANCES SHALL BE TAKEN AT THIS SAME EFFECTIVE POINT.

HAZARD CLASSIFCATIONS (PER NFPA 13)

LIGHT HAZARD: PER NFPA 13 PLUS 100GPM HOSE STREAM

OH1 — ORDINARY HAZARD GROUP 1: PER NFPA 13 PLUS 250GPM HOSE STREAM

OH2 — ORDINARY HAZARD GROUP 2: PER NFPA 13 PLUS 250GPM HOSE STREAM

NOTE: AREAS WITHOUT DESIGNATION TO BE LIGHT HAZARD

SPRINKLERS

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#
○	–	UPR	WHITE	165	5.60	1/2"	–	–	–
◉	–	PEND	WHITE/CONCEALED	165	5.60	1/2"	–	–	–
●	–	INSTITUTION PEND	WHITE/CONCEALED	165	5.60	1/2"	–	–	–

SUMMIT
FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879
MINNESOTA STATE LICENSE NUMBER: C-075

DRAWN: TDS	DESIGNED: TDS	CHECKED: MAS	PROJ. MNGR: MAS

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

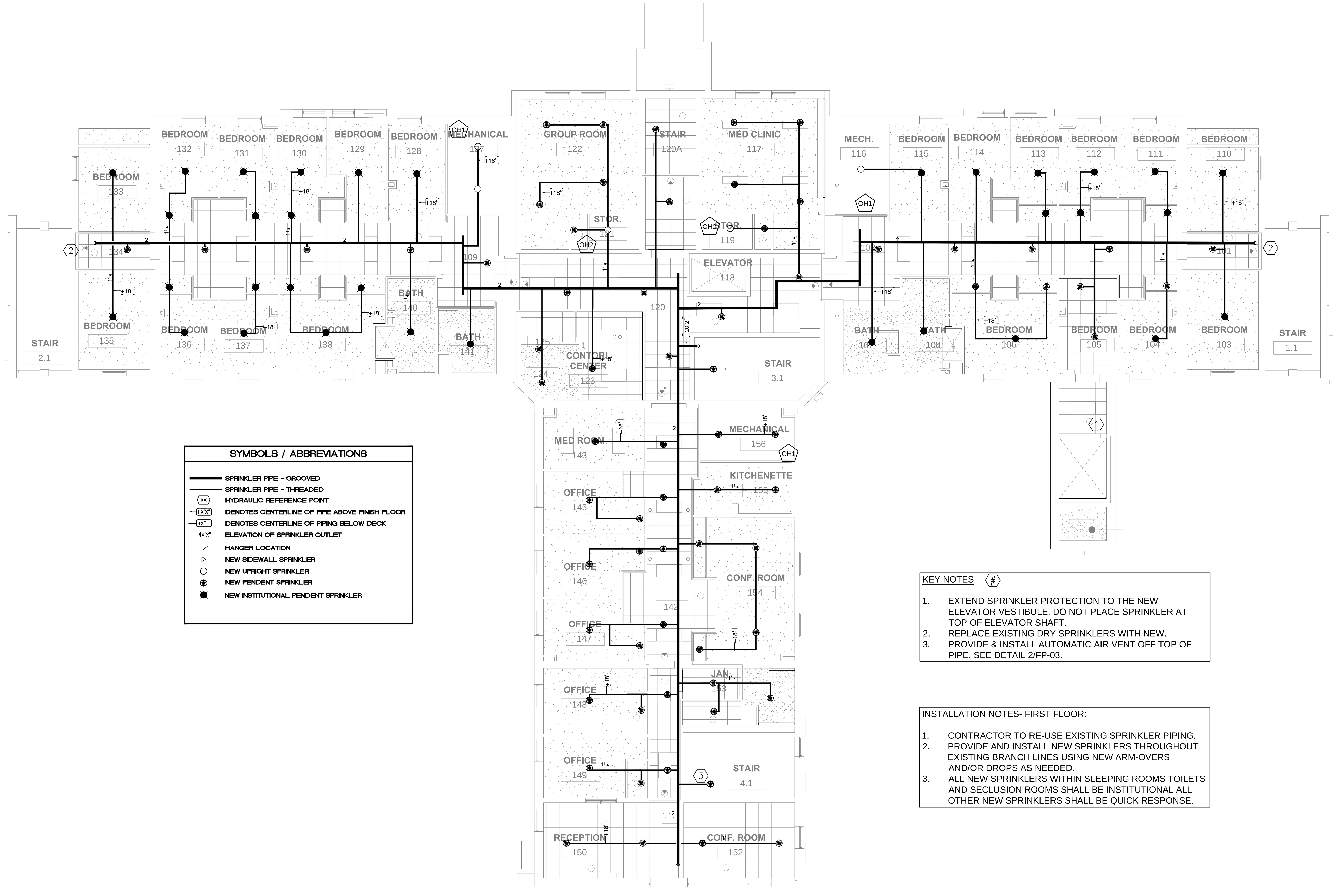
FLOOR PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: FP-01



SYMBOLS / ABBREVIATIONS

- SPRINKLER PIPE - GROOVED
- SPRINKLER PIPE - THREADED
- HYDRAULIC REFERENCE POINT
- DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR
- DENOTES CENTERLINE OF PIPING BELOW DECK
- ELEVATION OF SPRINKLER OUTLET
- HANGER LOCATION
- NEW SIDEWALL SPRINKLER
- NEW UPRIGHT SPRINKLER
- NEW PENDENT SPRINKLER
- NEW INSTITUTIONAL PENDENT SPRINKLER

KEY NOTES (#)

1. EXTEND SPRINKLER PROTECTION TO THE NEW ELEVATOR VESTIBULE. DO NOT PLACE SPRINKLER AT TOP OF ELEVATOR SHAFT.
2. REPLACE EXISTING DRY SPRINKLERS WITH NEW.
3. PROVIDE & INSTALL AUTOMATIC AIR VENT OFF TOP OF PIPE. SEE DETAIL 2/FP-03.

INSTALLATION NOTES- FIRST FLOOR:

1. CONTRACTOR TO RE-USE EXISTING SPRINKLER PIPING.
2. PROVIDE AND INSTALL NEW SPRINKLERS THROUGHOUT EXISTING BRANCH LINES USING NEW ARM-OVERS AND/OR DROPS AS NEEDED.
3. ALL NEW SPRINKLERS WITHIN SLEEPING ROOMS TOILETS AND SECLUSION ROOMS SHALL BE INSTITUTIONAL ALL OTHER NEW SPRINKLERS SHALL BE QUICK RESPONSE.

1 FIRST FLOOR FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0" 0' 4' 8' 12' 16'

NORTH

GENERAL NOTES

1. THIS PROJECT INCLUDES THE REVISION OF THE EXISTING FIRE SPRINKLER SYSTEM THROUGHOUT THE THREE LEVELS OF THE BUILDING TO ACCOMMODATE NEW WALLS AND CEILINGS. PIPING SHOWN IS BASED ON LIMITED SURVEYS, CONTRACTOR TO CONDUCT SURVEY TO VERIFY LOCATIONS OF EXISTING PIPING. IT IS ANTICIPATED THAT MOST PIPING CAN REMAIN WITH MODIFICATIONS LIMITED TO ARM-OVERS AND DROPS, AS WELL AS A NEW BACKFLOW TEST OUTLET. ALL EXISTING SPRINKLERS SHALL BE REPLACED WITH NEW.
2. VERYIFY EXISTING PIPING IS SUFFICIENT TO PROVIDE PROTECTION TO THE HAZARD CLASSIFICATION SHOWN. UP-SIZE PIPING WHERE NECESSARY.
3. THE SECOND FLOOR SPRINKLERS SHALL BE REVISED AS DESCRIBED ON SHEET FP-3. THE ATTIC IS OF NONCOMBUSTIBLE CONSTRUCTION AND THEREFORE NO WORK IS REQUIRED WITHIN.
4. THE ARCHITECTURAL BACKGROUNDS PROVIDED ON THESE SHEETS ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL BACKGROUNDS WITH ARCHITECTURAL SHEETS AND A SITE VISIT.
5. SYSTEM DESIGN TO BE PER NFPA 13, 2019 EDITION AND THESE DRAWINGS AND SPECIFICATIONS.
6. CONTRACTOR SHALL OBTAIN SIGNED OWNER'S CERTIFICATE AS PER NFPA 13 AND SPECIFICATIONS.
7. REFER TO SPECIFICATIONS SECTIONS 21 0500 AND 21 1300 FOR ADDITIONAL INFORMATION REGARDING THE FIRE PROTECTION SYSTEM.
8. SEE PROJECT SPECIFICATIONS FOR SYSTEM TESTING REQUIREMENTS (HYDROSTATIC, BACKFLOW TESTING ETC.).
9. PIPING:
   - 9.1. SPRINKLER CONTRACTOR SHALL COORDINATE LOCATION OF ALL PIPING AND SPRINKLERS WITH OTHER TRADES, HVAC SYSTEMS IN PARTICULAR. COORDINATION SHALL OCCUR DURING PREPARATION OF SHOP DRAWINGS, AS WELL AS IN THE FIELD.
   - 9.2. NEW SPRINKLER PIPING SHALL BE ROUGHED-IN PRIOR TO OR CONCURRENTLY WITH THE INSTALLATION OF MAJOR DUCTWORK. INSTALLATION OF SPRINKLERS BELOW OBSTRUCTING DUCTWORK MAY OCCUR LATER.
   - 9.3. ACTUAL ROUTING OF ALL NEW SPRINKLER SYSTEM PIPING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUBJECT TO APPROVAL BY THE ENGINEER.
   - 9.4. WET SYSTEM PIPING AND FITTINGS SHALL MEET THE REQUIREMENTS OF NFPA-13, EXCEPT THAT PRESS-FIT AND CPVC SYSTEMS ARE NOT APPROVED FOR THIS PROJECT.
   - 9.5. ALL THREADED PIPING SHALL BE SCHEDULE 40 OR EQUIVALENT.
   - 9.6. PIPING PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATIONS (SEE ALSO DETAIL 4).
   - 9.7. PAINTING OF EXPOSED PIPE TO BE BY DIVISION 9.
10. HANGERS:
   - 10.1. HANGERS, HANGER RODS, CLAMPS, AND INSERTS SHALL BE IN ACCORDANCE WITH NFPA-13.
   - 10.2. TRAPEZE-STYLE HANGING ASSEMBLIES MAY BE USED, BUT ONLY WITH DOCUMENTATION ON THE SHOP DRAWINGS VALIDATING THE SIZING OF THE TRAPEZE MEMBERS. WHEN A TRAPEZE MEMBER IS NOT EXPLICITLY LISTED IN NFPA-13 (E.G. UNISTRUT), DOCUMENTATION MUST BE PROVIDED THAT INDICATES ADEQUATE SECTION MODULUS AND OTHER PERTINENT PARAMETERS ARE BEING MET.
11. SPRINKLERS:
   - 11.1. PROTECTION OF SPRINKLERS DURING PAINTING, AND REMOVAL THEREAFTER, SHALL BE BY DIVISION 9.
   - 11.2. ALL AUTOMATIC SPRINKLERS LOCATED WITHIN SUSPENDED TILE CEILINGS SHALL BE WHITE, CONCEALED. UNLESS OTHERWISE NOTED, REMAINING EXPOSED SPRINKLERS SHALL ALSO BE WHITE. WHERE NOTED INSTITUTIONAL SPRINKLERS SHALL BE WHITE.
   - 11.3. SPRINKLERS SHALL BE LOCATED IN THE CENTER OF TILE. HEAD GUARDS LISTED FOR USE WITH THE RESPECTIVE SPRINKLERS SHALL BE INSTALLED ANYWHERE EXPOSED SPRINKLERS ARE LOCATED BELOW 7'-0" AFF AND/OR ARE SUSCEPTIBLE TO DAMAGE.
   - 11.4. ELECTRICAL AND MECHANICAL ROOMS SHALL UTILIZE INTERMEDIATE TEMPERATURE RATED SPRINKLERS.
12. ALARMS:
   - 12.1. NEW TAMPER SWITCHES AND FLOW SWITCHES ARE TO BE PROVIDED AND INSTALLED BY DIVISION 21 AND WIRED BY DIVISION 28.
13. WATER SUPPLY DATA: CONTRACTOR SHALL USE THE FOLLOWING WATER SUPPLY INFORMATION:
   - 13.1. STATIC: 43 PSI RESIDUAL: 39 PSI FLOWING: 1,123 GPM
   - 13.2. TEST CONDUCTED BY : SUMMIT FIRE CONSULTING DATE: 10/05/2022
   - 13.3. EFFECTIVE POINT: WHERE 6 INCH UNDERGROUND LEAD-IN CONNECTS TO 8 INCH UNDERGROUND LOOP MAIN. SEE 3/FP-01.
   - 13.4. HOSE ALLOWANCES SHALL BE TAKEN AT THIS SAME EFFECTIVE POINT.

HAZARD CLASSIFCATIONS (PER NFPA 13)

LIGHT HAZARD: PER NFPA 13 PLUS 100GPM HOSE STREAM

OH1 ORDINARY HAZARD GROUP 1: PER NFPA 13 PLUS 250GPM HOSE STREAM

OH2 ORDINARY HAZARD GROUP 2: PER NFPA 13 PLUS 250GPM HOSE STREAM

NOTE: AREAS WITHOUT DESIGNATION TO BE LIGHT HAZARD

SPRINKLER HEADS

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#
○	–	UPR	WHITE	165	5.60	1/2"	–	–	–
●	–	PEND	WHITE/CONCEALED	165	5.60	1/2"	–	–	–
●	–	INSTITUTION PEND	WHITE/CONCEALED	165	5.60	1/2"	–	–	–

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879
MINNESOTA STATE LICENSE NUMBER: C-075

DRAWN:	TDS
DESIGNED:	TDS
CHECKED:	MAS
PROJ. MNGR:	MAS

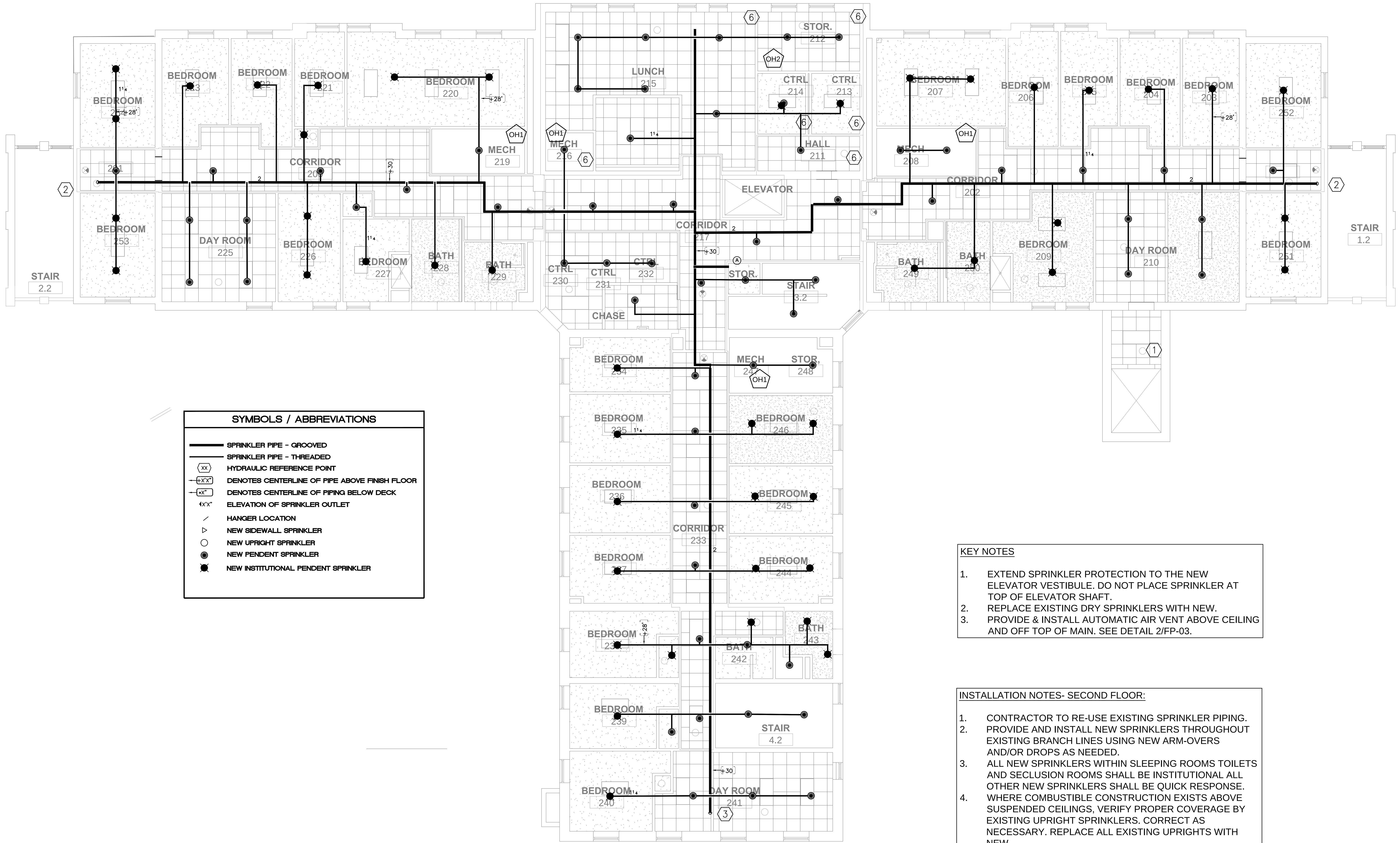
DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: FP-02



SYMBOLS / ABBREVIATIONS

- SPRINKLER PIPE - GROOVED
- SPRINKLER PIPE - THREADED
- HYDRAULIC REFERENCE POINT
- DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR
- DENOTES CENTERLINE OF PIPING BELOW DECK
- ELEVATION OF SPRINKLER OUTLET
- HANGER LOCATION
- NEW SIDEWALL SPRINKLER
- NEW UPRIGHT SPRINKLER
- NEW PENDENT SPRINKLER
- NEW INSTITUTIONAL PENDENT SPRINKLER

1 SECOND FLOOR FIRE PROTECTION PLAN

SCALE: 1/8" = 1'-0"   0' 4' 8' 12' 16'

NORTH

KEY NOTES

1. EXTEND SPRINKLER PROTECTION TO THE NEW ELEVATOR VESTIBULE. DO NOT PLACE SPRINKLER AT TOP OF ELEVATOR SHAFT.
2. REPLACE EXISTING DRY SPRINKLERS WITH NEW.
3. PROVIDE & INSTALL AUTOMATIC AIR VENT ABOVE CEILING AND OFF TOP OF MAIN. SEE DETAIL 2/FP-03.

INSTALLATION NOTES- SECOND FLOOR:

1. CONTRACTOR TO RE-USE EXISTING SPRINKLER PIPING.
2. PROVIDE AND INSTALL NEW SPRINKLERS THROUGHOUT EXISTING BRANCH LINES USING NEW ARM-OVERS AND/OR DROPS AS NEEDED.
3. ALL NEW SPRINKLERS WITHIN SLEEPING ROOMS TOILETS AND SECLUSION ROOMS SHALL BE INSTITUTIONAL ALL OTHER NEW SPRINKLERS SHALL BE QUICK RESPONSE.
4. WHERE COMBUSTIBLE CONSTRUCTION EXISTS ABOVE SUSPENDED CEILINGS, VERIFY PROPER COVERAGE BY EXISTING UPRIGHT SPRINKLERS. CORRECT AS NECESSARY. REPLACE ALL EXISTING UPRIGHTS WITH NEW.

GENERAL NOTES

1. THIS PROJECT INCLUDES THE REVISION OF THE EXISTING FIRE SPRINKLER SYSTEM THROUGHOUT THE THREE LEVELS OF THE BUILDING TO ACCOMMODATE NEW WALLS AND CEILINGS. PIPING SHOWN IS BASED ON LIMITED SURVEYS, CONTRACTOR TO CONDUCT SURVEY TO VERIFY LOCATIONS OF EXISTING PIPING. IT IS ANTICIPATED THAT MOST PIPING CAN REMAIN WITH MODIFICATIONS LIMITED TO ARM-OVERS AND DROPS, AS WELL AS A NEW BACKFLOW TEST OUTLET. ALL EXISTING SPRINKLERS SHALL BE REPLACED WITH NEW.
2. VERYIFY EXISTING PIPING IS SUFFICIENT TO PROVIDE PROTECTION TO THE HAZARD CLASSIFICATION SHOWN. UP-SIZE PIPING WHERE NECESSARY.
3. THE SECOND FLOOR SPRINKLERS SHALL BE REVISED AS DESCRIBED ON SHEET FP-3. THE ATTIC IS OF NONCOMBUSTIBLE CONSTRUCTION AND THEREFORE NO WORK IS REQUIRED WITHIN.
4. THE ARCHITECTURAL BACKGROUNDS PROVIDED ON THESE SHEETS ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL BACKGROUNDS WITH ARCHITECTURAL SHEETS AND A SITE VISIT.
5. SYSTEM DESIGN TO BE PER NFPA 13, 2019 EDITION AND THESE DRAWINGS AND SPECIFICATIONS.
6. CONTRACTOR SHALL OBTAIN SIGNED OWNER'S CERTIFICATE AS PER NFPA 13 AND SPECIFICATIONS.
7. REFER TO SPECIFICATIONS SECTIONS 21 0500 AND 21 1300 FOR ADDITIONAL INFORMATION REGARDING THE FIRE PROTECTION SYSTEM.
8. SEE PROJECT SPECIFICATIONS FOR SYSTEM TESTING REQUIREMENTS (HYDROSTATIC, BACKFLOW TESTING ETC.).
9. PIPING:
   - 9.1. SPRINKLER CONTRACTOR SHALL COORDINATE LOCATION OF ALL PIPING AND SPRINKLERS WITH OTHER TRADES, HVAC SYSTEMS IN PARTICULAR. COORDINATION SHALL OCCUR DURING PREPARATION OF SHOP DRAWINGS, AS WELL AS IN THE FIELD.
   - 9.2. NEW SPRINKLER PIPING SHALL BE ROUGHED-IN PRIOR TO OR CONCURRENTLY WITH THE INSTALLATION OF MAJOR DUCTWORK. INSTALLATION OF SPRINKLERS BELOW OBSTRUCTING DUCTWORK MAY OCCUR LATER.
   - 9.3. ACTUAL ROUTING OF ALL NEW SPRINKLER SYSTEM PIPING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUBJECT TO APPROVAL BY THE ENGINEER.
   - 9.4. WET SYSTEM PIPING AND FITTINGS SHALL MEET THE REQUIREMENTS OF NFPA-13, EXCEPT THAT PRESS-FIT AND CPVC SYSTEMS ARE NOT APPROVED FOR THIS PROJECT.
   - 9.5. ALL THREADED PIPING SHALL BE SCHEDULE 40 OR EQUIVALENT.
   - 9.6. PIPING PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATIONS (SEE ALSO DETAIL 4).
   - 9.7. PAINTING OF EXPOSED PIPE TO BE BY DIVISION 9.
10. HANGERS:
   - 10.1. HANGERS, HANGER RODS, CLAMPS, AND INSERTS SHALL BE IN ACCORDANCE WITH NFPA-13.
   - 10.2. TRAPEZE-STYLE HANGING ASSEMBLIES MAY BE USED, BUT ONLY WITH DOCUMENTATION ON THE SHOP DRAWINGS VALIDATING THE SIZING OF THE TRAPEZE MEMBERS. WHEN A TRAPEZE MEMBER IS NOT EXPLICITLY LISTED IN NFPA-13 (E.G. UNISTRUT), DOCUMENTATION MUST BE PROVIDED THAT INDICATES ADEQUATE SECTION MODULUS AND OTHER PERTINENT PARAMETERS ARE BEING MET.
11. SPRINKLERS:
   - 11.1. PROTECTION OF SPRINKLERS DURING PAINTING, AND REMOVAL THEREAFTER, SHALL BE BY DIVISION 9.
   - 11.2. ALL AUTOMATIC SPRINKLERS LOCATED WITHIN SUSPENDED TILE CEILINGS SHALL BE WHITE, CONCEALED. UNLESS OTHERWISE NOTED, REMAINING EXPOSED SPRINKLERS SHALL ALSO BE WHITE. WHERE NOTED INSTITUTIONAL SPRINKLERS SHALL BE WHITE.
   - 11.3. SPRINKLERS SHALL BE LOCATED IN THE CENTER OF TILE. HEAD GUARDS LISTED FOR USE WITH THE RESPECTIVE SPRINKLERS SHALL BE INSTALLED ANYWHERE EXPOSED SPRINKLERS ARE LOCATED BELOW 7'-0" AFF AND/OR ARE SUSCEPTIBLE TO DAMAGE.
   - 11.4. ELECTRICAL AND MECHANICAL ROOMS SHALL UTILIZE INTERMEDIATE TEMPERATURE RATED SPRINKLERS.
12. ALARMS:
   - 12.1. NEW TAMPER SWITCHES AND FLOW SWITCHES ARE TO BE PROVIDED AND INSTALLED BY DIVISION 21 AND WIRED BY DIVISION 28.
13. WATER SUPPLY DATA: CONTRACTOR SHALL USE THE FOLLOWING WATER SUPPLY INFORMATION:
   - 13.1. STATIC: 43 PSI RESIDUAL: 39 PSI FLOWING: 1,123 GPM
   - 13.2. TEST CONDUCTED BY : SUMMIT FIRE CONSULTING DATE: 10/05/2022
   - 13.3. EFFECTIVE POINT: WHERE 6 INCH UNDERGROUND LEAD-IN CONNECTS TO 8 INCH UNDERGROUND LOOP MAIN. SEE 3/FP-01.
   - 13.4. HOSE ALLOWANCES SHALL BE TAKEN AT THIS SAME EFFECTIVE POINT.

HAZARD CLASSIFCATIONS (PER NFPA 13)

LIGHT HAZARD: PER NFPA 13 PLUS 100GPM HOSE STREAM

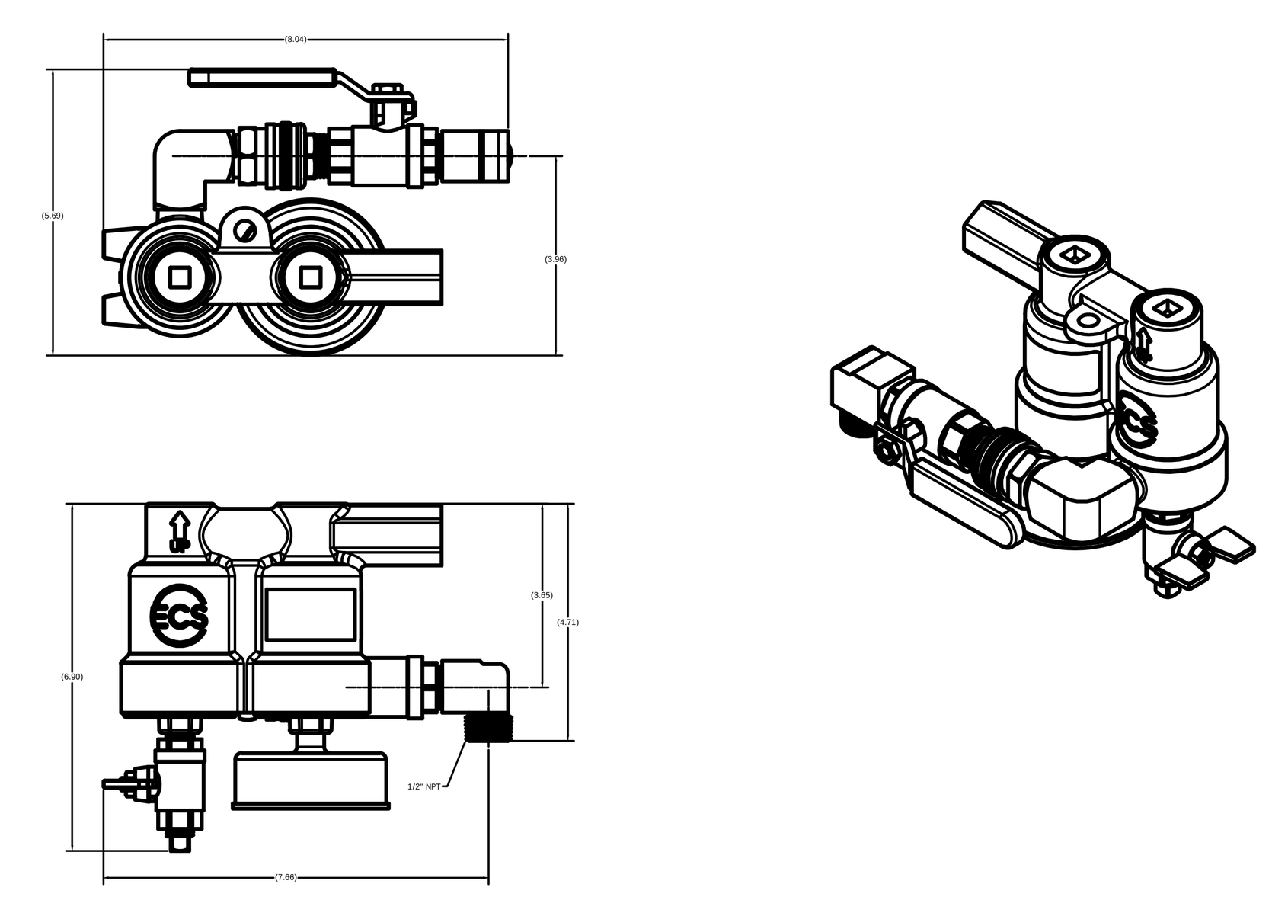
OH1 ORDINARY HAZARD GROUP 1: PER NFPA 13 PLUS 250GPM HOSE STREAM

OH2 ORDINARY HAZARD GROUP 2: PER NFPA 13 PLUS 250GPM HOSE STREAM

NOTE: AREAS WITHOUT DESIGNATION TO BE LIGHT HAZARD

SPRINKLER HEADS

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#
○	–	UPR	WHITE	165	5.60	1/2"	–	–	–
◉	–	PEND	WHITE/CONCEALED	165	5.60	1/2"	–	–	–
●	–	INSTITUTION PEND	WHITE/CONCEALED	165	5.60	1/2"	–	–	–



2 AUTOMATIC AIR VENT DETAIL

NTS

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1879
MINNESOTA STATE LICENSE NUMBER: C-075

DRAWN:	TDS
DESIGNED:	TDS
CHECKED:	MAS
PROJ. MNGR:	MAS

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: FP-03

GENERAL DIVISION 26 NOTES

DEMOLITION:

1. COORDINATE ALL ELECTRICAL DEMOLITION WITH MECHANICAL DEMOLITION.
2. CONSULT WITH OWNER REGARDING THE STATUS OF SALVAGED MATERIAL. TRANSPORT SALVAGED MATERIAL TO OWNER'S CHOSEN LOCATION FOR MATERIAL OWNER WISHES TO KEEP. REMOVE ALL OTHER MATERIAL FROM SITE AND DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
3. ELECTRICAL DISTRIBUTION PANELS MAY NOT BE DE-ENERGIZED WITHOUT OWNER'S CONSENT. WHEN REMOVING BRANCH CIRCUITS, DE-ENERGIZE CIRCUIT BREAKER AND DISCONNECT CONDUCTORS PRIOR TO REMOVING ASSOCIATED OUTLETS AND CONDUCTORS.
4. CONTRACTOR TO VERIFY ALL FIRE ALARM EQUIPMENT IS FUNCTIONAL. PROVIDE A REPORT TO ENGINEER AND OWNER OF FIRE EQUIPMENT STATUS. CONTACT OWNER AND ENGINEER IF ANY NONFUNCTIONAL EQUIPMENT IS LOCATED.
5. CONTRACTOR SHALL NOT REMOVE OR DAMAGE ANY SPECIAL SYSTEMS (E.G., COMMUNICATIONS, DATA, SECURITY, ETC.) CABLING, EQUIPMENT OR CIRCUITS. SUCH EQUIPMENT REMOVED OR DAMAGED SHALL BE RESTORED AT CONTRACTOR EXPENSE. CONSULT WITH OWNER IF ANY EQUIPMENT OBSTRUCTS WORK.
6. CONTRACTOR SHALL NOT REMOVE OR DAMAGE ANY FIRE ALARM EQUIPMENT OR CABLING INCLUDING, BUT NOT LIMITED TO, PULL STATIONS, HEAT DETECTORS, SMOKE DETECTORS, VISUAL ALARM-INDICATING DEVICES, AUDIBLE ALARM-INDICATING DEVICES AND CONTROL PANELS UNLESS SPECIFICALLY IDENTIFIED. SUCH EQUIPMENT REMOVED OR DAMAGED SHALL BE RESTORED AT CONTRACTOR EXPENSE. CONSULT WITH OWNER IF ANY EQUIPMENT OBSTRUCTS WORK.
7. IN EXISTING SPACES TO BE RENOVATED THE ELECTRICAL CONTRACTOR SHALL REMOVE LIGHTS, SWITCHES, WIRING DEVICES, CONDUIT, WIRES, ETC. AS SHOWN ON THESE DEMOLITION PLANS KEEPING DAMAGE TO THE EXISTING BUILDING WALLS, FLOORS, AND CEILING TO A MINIMUM. COORDINATE WITH THE OWNER REGARDING MATERIALS TO BE REMOVED FROM THE PREMISES. ALL CONCEALED CONDUIT THAT CANNOT BE REMOVED SHALL HAVE WIRING DISCONNECTED AT PANEL AND REMOVED. CONDUIT SHALL BE CAPPED OFF AND CONCEALED INTO EXISTING WALL SPACE AND HOLES PATCHED. WHERE CONDUITS PENETRATE THE FLOOR SLAB, CUT CONDUITS FLUSH WITH FLOOR. IN AREAS WHERE CONDUIT CONTINUITY IS INTERRUPTED BECAUSE OF THE REMODELING, MAKE NECESSARY MODIFICATIONS TO THE CIRCUITS TO MAINTAIN CIRCUIT INTEGRITY.
8. CONTRACTOR TO REPLACE ALL DAMAGED OR DISCOLORED CEILING PANELS. CEILING PANELS TO MATCH EXISTING TILE PATTERNS.
9. CONTRACTOR SHALL NOT REMOVE OR DAMAGE ANY RECEPTACLE CIRCUITS UNLESS SPECIFICALLY IDENTIFIED. CIRCUITS REMOVED OR DAMAGED SHALL BE RESTORED AT CONTRACTOR EXPENSE. CONSULT WITH ENGINEER IF RECEPTACLE CIRCUITS ARE COMMINGLED WITH CIRCUITS TO BE REMOVED.

PROVIDE COMPLETE, COMPLIANT, AND OPERATIONAL SYSTEMS:

1. DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO COMPLEMENT EACH OTHER. PROVIDE ITEMS SHOWN ON ONE AND NOT THE OTHER AS THOUGH SHOWN AND CALLED OUT IN BOTH. IF AN APPARENT CONFLICT EXISTS WITHIN THE CONSTRUCTION DOCUMENTS, PRESUME TO PROVIDE THE MORE COSTLY CHOICE, AND REQUEST CLARIFICATION FROM ARCHITECT / ENGINEER IN WRITING.
2. PROVIDE, LABOR, MATERIALS, EQUIPMENT, FEES, AND PERMITS NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE CONSTRUCTION DOCUMENTS.
3. CONSTRUCTION DOCUMENTS PRESENT THE GENERAL DESIGN, ARRANGEMENT AND EXTENT OF SYSTEMS. COMPLETE DETAIL IS NOT PRESENTED. DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THEIR SMALL SCALE, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION. PROVIDE SYSTEMS COMPLETE AND OPERATIONAL AND IN COMPLIANCE WITH DESIGN INTENT. OBTAIN PERMISSION FROM ENGINEER PRIOR TO MAKING MAJOR DEVIATIONS FROM CONSTRUCTION DOCUMENTS. EXAMPLES OF MAJOR DEVIATIONS ARE CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES, OR MATERIALS.
4. INSTALL EQUIPMENT IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S WRITTEN RECOMMENDATIONS. PROVIDE FITTINGS AND OTHER SIMILAR DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
5. REPAIR OR REPLACE PARTS OF THIS WORK THAT FAIL, ARE UNFIT, OR BECOME DAMAGED DURING CONSTRUCTION WITH NO CHANGE TO THE CONTRACT PRICE.

DEFINITIONS:

1. FURNISH: OBTAIN AND DELIVER TO ON-SITE STORAGE IN ORIGINAL FACTORY PACKAGING.
2. INSTALL: UNPACK, MOVE TO FINAL LOCATION, MAKE CONNECTIONS, AND PLACE INTO FINAL SERVICE ACCORDING TO PROCEDURES IDENTIFIED IN PART 3 OF APPLICABLE SECTION(S).
3. PROVIDE: FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

PROTECT:

1. PROTECT EXISTING STRUCTURES AND EQUIPMENT DURING THE EXECUTION OF THIS CONTRACT.
2. REPAIR AREAS AFFECTED BY WORK TO THEIR ORIGINAL CONDITION OR BETTER.

COORDINATE:

1. PRIOR TO ORDERING, FABRICATING, OR INSTALLING WORK, COORDINATE ELECTRICAL WORK WITH WORK OF OTHER SUBCONTRACTORS AND WITH CONTRACTORS HIRED DIRECTLY BY THE OWNER. EXAMPLES OF WORK BY OTHERS INCLUDE BUT ARE NOT LIMITED TO CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, AND REFRIGERATION. WHERE CONFLICTS OCCUR, RESOLVE THEM PRIOR TO FABRICATION AND INSTALLATION.
2. COORDINATE ARRANGEMENT, MOUNTING, AND SUPPORT OF ELECTRICAL EQUIPMENT SO CONNECTING RACEWAYS WILL BE CLEAR OF OBSTRUCTIONS AND OF THE WORKING AND ACCESS SPACE OF OTHER EQUIPMENT.
3. REFER TO THE MECHANICAL SHEETS FOR THE EXACT LOCATION OF THE MECHANICAL EQUIPMENT. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. VERIFY EXACT REQUIREMENTS (E.G., BREAKER, BRANCH CIRCUIT, DISCONNECT, ETC.) NEEDED FOR EACH PIECE OF MECHANICAL EQUIPMENT WITH THE MECHANICAL PLANS AND WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. DURING INSTALLATION, RESOLVE CONFLICTS AND MAKE CHANGES RESULTING FROM LACK OF CONTRACTOR COORDINATION WITH NO CHANGE TO THE CONTRACT PRICE.
5. LOCATIONS AND SIZES OF SERVICE CONNECTIONS TO EQUIPMENT, FLOOR AND WALL OPENINGS, SUPPORTS, CONCRETE PADS, FOUNDATIONS, SPACE ARRANGEMENTS, ELECTRICAL POWER, AND OTHER SIMILAR PROVISIONS FOR "BASIS OF DESIGN" EQUIPMENT ARE BASED ON PRELIMINARY INFORMATION AVAILABLE DURING DESIGN TO SHOW DESIGN INTENT AND SPACE ALLOCATION. ACTUAL CONDITIONS MAY VARY DEPENDING ON CONFIGURATION OF PURCHASED EQUIPMENT. PRIOR TO INITIATING WORK, VERIFY ABOVE TYPES OF INFORMATION FROM EQUIPMENT DRAWINGS CERTIFIED FOR MANUFACTURE BY RESPECTIVE EQUIPMENT MANUFACTURERS. MAKE MODIFICATIONS FROM WHAT IS SHOWN IN CONSTRUCTION DOCUMENTS TO PROVIDE SUCCESSFUL EQUIPMENT INSTALLATION WITH NO CHANGE IN CONTRACT PRICE. SUBMIT A SCHEDULE OF SUCH CHANGES FOR REVIEW PRIOR TO INITIATING WORK. DOCUMENT REVIEWED CHANGES ON RECORD DRAWINGS.
6. NOTIFY THE ENGINEER IN WRITING OF EXISTING CONDITIONS DIFFERING FROM THOSE SHOWN IN CONTRACT DOCUMENTS. THE ENGINEER WILL EVALUATE THE DIFFERENCES, AND IF NECESSARY, REDESIGN FOR THE CONDITIONS FOUND.
7. DO NOT SCALE OFF CONSTRUCTION DOCUMENTS. COORDINATE INSTALLATION WITH FIELD CONDITIONS.
8. WHERE BUILDING ELEMENTS (FOR EXAMPLE, DOOR FRAMES, PORTIONS OF WALLS, PORTIONS OF FLOORS, ETC.) HINDER REMOVAL OF EXISTING OR INSTALLATION OF NEW EQUIPMENT, REMOVE AND REPLACE SUCH ELEMENTS. UPON SUBSTANTIAL COMPLETION, ENSURE BUILDING ELEMENTS MATCH THEIR ORIGINAL CONDITIONS.
9. PROVIDE APPROPRIATE PROVISIONS FOR EXPANSION OR MOVEMENT OF RACEWAYS.
10. GIVE RIGHT OF WAY TO PIPING AND OTHER SYSTEMS INSTALLED AT A REQUIRED SLOPE.
11. COORDINATE ROOF WORK WITH OWNER TO MAINTAIN WARRANTY OF ROOFING SYSTEM.
12. COORDINATE ANY FIRE DETECTION WITH OWNER AND AUTHORITY HAVING JURISDICTION.
13. PROVIDE POWER WIRING TO EQUIPMENT SUPPLIED BY OTHER DIVISIONS. PROVIDE LINE-VOLTAGE SUPPLY AND INTERLOCK WIRING TO CONTROL EQUIPMENT SUPPLIED BY OTHER DIVISIONS. WHERE REQUESTED BY OTHER DIVISIONS, PROVIDE LOW-VOLTAGE CONTROL AND INTERLOCK WIRING TO CONTROL EQUIPMENT SUPPLIED BY THOSE DIVISIONS.

PROVIDE SERVICEABILITY:

1. PROVIDE CEILING ACCESS PANELS TO ENABLE ACCESS TO DEVICES REQUIRING SERVICE OR OPERATION. COORDINATE LOCATION OF ACCESS PANELS AND DOORS FOR ELECTRICAL ITEMS THAT ARE BEHIND FINISHED SURFACES OR OTHERWISE CONCEALED.
2. PROVIDE SERVICE CLEARANCES AROUND EQUIPMENT AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

ADDRESS PENETRATIONS:

1. IN FIRE RATED BARRIERS, PROVIDE FIRE STOPPING ASSEMBLIES LISTED BY A RECOGNIZED INDEPENDENT TESTING LABORATORY AND MATCHED TO FIELD CONDITIONS. MAINTAIN FIRE RATING OF SURFACE PENETRATED.

CONTROL QUALITY:

1. RECORD ALL DRAWING MODIFICATIONS AND SPECIFICATION MODIFICATIONS IN ADDENDUM(S) ON THE APPROPRIATE DRAWING(S) AND IN THE APPROPRIATE SPECIFICATION SECTION(S), RESPECTIVELY.
2. ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH NECA 1 AND APPROPRIATE LOCAL AND NATIONAL ELECTRICAL AND BUILDING CODES.
3. TAKE RESPONSIBILITY FOR EQUIPMENT CHECK-IN, SAFEKEEPING, AND DAMAGE PREVENTION.
4. UNSPECIFIED EQUIPMENT OR SYSTEMS SHALL BE REPRESENTED BY DULY AUTHORIZED DISTRIBUTORS WITH SERVICE DEPARTMENTS REGULARLY ENGAGED IN THE MAINTENANCE AND INSTALLATION OF THESE SYSTEMS AND EQUIPMENT. SUCH SERVICE DEPARTMENTS SHALL REGULARLY STOCK STANDARD REPLACEMENT PARTS AND EQUIPMENT AND SHALL BE LOCATED WITHIN A REASONABLE DISTANCE FROM THE INSTALLATION SITE.
5. WHENEVER A MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT IS IDENTIFIED ON THE DRAWINGS BY REFERENCE TO MANUFACTURERS, VENDORS NAMES, TRADE NAMES, CATALOG NUMBERS, OR THE LIKE, IT IS SO IDENTIFIED FOR THE PURPOSE OF ESTABLISHING A STANDARD. MATERIALS, ARTICLES, OR PIECES OF EQUIPMENT FROM OTHER MANUFACTURERS OR VENDORS, WHICH WILL ADEQUATELY PERFORM THE DUTIES IMPOSED BY THE GENERAL DESIGN, WILL BE CONSIDERED EQUALLY ACCEPTABLE PROVIDED THEY ARE OF EQUAL SUBSTANCE, APPEARANCE, AND FUNCTION.
6. MEASURE INDICATED MOUNTING HEIGHTS TO BOTTOM OF UNIT FOR SUSPENDED ITEMS AND TO CENTER OF UNIT FOR WALL-MOUNTING ITEMS.
7. IF MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED, ARRANGE AND INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE MAXIMUM POSSIBLE HEADROOM.
8. INSTALL EQUIPMENT TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS OF BOTH ELECTRICAL EQUIPMENT AND OTHER NEARBY INSTALLATIONS. CONNECT IN SUCH A WAY AS TO FACILITATE FUTURE DISCONNECTING WITH OTHER ITEMS IN THE VICINITY.
9. ALL LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS SHALL BE 2 NO. 12 AND 1 NO. 12 GROUND UNLESS OTHERWISE SPECIFIED ON THE PLANS OR SCHEDULES. SIZE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC 250.122.
10. ALL MECHANICAL EQUIPMENT IS SHOWN ON THE PLANS WITH A DISCONNECTING MEANS. THIS DISCONNECT MAY BE SUPPLIED BY THE MECHANICAL EQUIPMENT SUPPLIER OR BY THE ELECTRICAL CONTRACTOR. SEE EQUIPMENT CONNECTION SCHEDULES FOR ACTUAL SUPPLIER OF DISCONNECT.
11. MARK ALL RECEPTACLES WITH A TAG IDENTIFYING THE PANEL AND BREAKER SUPPLYING EACH RECEPTACLE. TAG SHALL BE PLACED ON INSIDE-FACE OF RECEPTACLE COVERPLATE.
12. ALL MULTIPLE CIRCUIT CONDUITS SHALL INCLUDE AN INDIVIDUAL NEUTRAL AND EQUIPMENT GROUNDING CONDUCTOR FOR EACH CIRCUIT.
13. ALL CONDUCTORS SHALL BE COPPER. ALUMINUM CONDUCTORS ARE NOT ACCEPTABLE.
14. TWIST-ON WIRE CONNECTORS SHALL BE USED FOR 40 AMP OR LESS CIRCUITS IDEAL "WING-NUT" OR EQUAL CONNECTORS.
15. GROUND-FAULT PROTECTED RECEPTACLES SHALL NOT BE SLAVED.
16. MINIMUM RACEWAY SIZE SHALL BE 3/4" TRADE SIZE, UNDERGROUND 1" TRADE SIZE. NO EXCEPTIONS.
17. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL BE 6 FT. NO EXCEPTIONS.
18. CONDUIT SHALL BE SUPPORTED AT REQUIRED DISTANCES WITH RUST-PROOF ONE-HOLE STRAPS. TIE-WRAP SUPPORTS ARE NOT ALLOWED.
19. ALL HVAC UNITS TO HAVE DEDICATED RACEWAYS FOR CONTROLS. RACEWAYS TO BE COLORED BLUE.
20. FIRE ALARM SYSTEM DETECTION AND NOTIFICATION APPLIANCES TO HAVE DEDICATED RACEWAYS. RACEWAYS TO BE COLORED RED.
21. ELECTRICAL CONTRACTOR TO PROVIDE POWER AS REQUIRED TO ALL ANCILLARY SYSTEM COMPONENTS INCLUDING, BUT NOT LIMITED TO, HVAC DAMPERS, FIRE PROTECTION DAMPERS, DOOR HOLD-OPEN DEVICES, TRAP PRIMER SYSTEMS AND PLUMBING FIXTURES.
22. ALL OUTDOOR WEATHERPROOF CONVENIENCE RECEPTACLES TO BE PROVIDED WITH IN-USE COVER PER NEC 406.9(B)(1). PROVIDE DIE-CAST IN-USE COVERS, PLASTIC COVERS ARE NOT ACCEPTABLE.
23. INSTALL FLOOR-MOUNTED EQUIPMENT ON CONCRETE PADS WITH A MINIMUM THICKNESS OF 4 INCHES. CONSTRUCT CONCRETE PAD 4 INCHES WIDER (IN EACH DIRECTION) THAN EQUIPMENT FOOT PRINT.
24. THE NUMBER OF CURRENT CARRYING CONDUCTORS INSTALLED IN A SINGLE RACEWAY SHALL NOT EXCEED SIX.
25. DIRECT BURIED CONDUCTORS AND CONDUCTORS IN BELOW-GRADE RACEWAYS AND BOXES SHALL NOT BE SPLICED.
26. CONDUITS SHALL NOT BE PLACED IN CONCRETE FLOOR SLABS UNLESS SPECIFICALLY NOTED ON DRAWINGS. CONDUITS SHALL BE PERMITTED TO STUB UP THROUGH SLABS. CONDUITS PLACED UNDERNEATH CONCRETE FLOOR SLABS SHALL BE A MINIMUM OF 36" BELOW FINISHED GRADE.

WIRING DEVICE SYMBOLS

MOUNTING: CEILING	WALL	FLOOR	DESCRIPTION (NEMA 5-20R UNLESS NOTED OTHERWISE)
			TAMPER-RESISTANT SIMPLEX RECEPTACLE
C		F	TAMPER-RESISTANT DUPLEX RECEPTACLE
			TAMPER-RESISTANT FOURPLEX RECEPTACLE
	G		TAMPER-RESISTANT GFCI DUPLEX RECEPTACLE
	G		DEAD-FRONT GFCI RECEPTACLE REMOTE RESET DEVICE
	WP,G		WEATHERPROOF GFCI DUPLEX RECEPTACLE
C		F	SPECIAL PURPOSE RECEPTACLE (NEMA CONFIGURATION SHOWN)
			MULTI-OUTLET RACEWAY
	T		ELECTRONIC CONTROL TRANSFORMER
J	J	J F	JUNCTION BOX

CONTROL DEVICE SYMBOLS

SYMBOL: CEILING	WALL	DESCRIPTION
	S	SINGLE-POLE SWITCH
	S3	THREE-WAY SWITCH
	SK	KEY OPERATED SINGLE-POLE SWITCH
	SM	SINGLE-POLE MOTOR-RATED SWITCH
		OCCUPANCY SENSOR SWITCH
		PUSH BUTTON STATION
	S	BOX COVER UNIT FOR PLUG FUSES/FUSTAT, (120V, 1Ø, 1-POLE) 1-GANG BOX, COVER, ON/OFF SWITCH, 15A FUSE, (COOPER BOX COVER: #SSU, OR APPROVED EQUAL)

POWER DISTRIBUTION SYMBOLS

SYMBOL	DESCRIPTION
	DISTRIBUTION PANEL / SWITCHBOARD
	EXISTING PANELBOARD (SURFACE MOUNT)
	EXISTING PANELBOARD (FLUSH MOUNT)
	NEW PANELBOARD (SURFACE MOUNT)
	NEW PANELBOARD (FLUSH MOUNT)
XX/3 XX/AF	FUSED DISCONNECT SWITCH
NF	NON-FUSED DISCONNECT SWITCH
M	MOTOR

COMMUNICATION / DATA SYMBOLS

MOUNTING: CEILING	WALL	FLOOR	DESCRIPTION # INDICATES NUMBER OF JACKS/CABLES
	#	F	TELEPHONE OUTLET
C	#	F	DATA OUTLET
	#	F	COMBINATION DATA/TELEPHONE OUTLET
C WIFI			DATA OUTLET - WIRELESS ACCESS POINT
TV C	TV	TV F	TELEVISION OUTLET
			TELEPHONE TERMINAL BOARD

SECURITY DEVICE SYMBOLS

SYMBOL: CEILING	WALL	DESCRIPTION
		ELECTRIC STRIKE / MAGNETIC DOOR LOCK
	KP	KEYPAD
	CR	CARD READER
	VI	VIDEO INTERCOM
		SECURITY CAMERA

CONDUIT SYMBOLS

MOUNTING: CEILING	WALL	FLOOR	DESCRIPTION
			CONDUIT HOMERUN TO PANEL (ARROWS DENOTE CIRCUITS)
			CONCEALED CONDUIT
			EXPOSED CONDUIT
			CONDUIT STUB LOCATION
			CONDUIT RISER (TURNED UP)
			CONDUIT TURNED DOWN

LIGHTING SYMBOLS

MOUNTING: CEILING	WALL	POLE	DESCRIPTION # INDICATES TYPE IN FIXTURE SCHEDULE
#			2x4 TROFFER STYLE LUMINAIRE
#			2x2 TROFFER STYLE LUMINAIRE
#			1x4 LENSED LUMINAIRE
#	#		INDUSTRIAL STRIP LUMINAIRE
	#		WALL BRACKET LUMINAIRE
#	#		DOWNLIGHT / SCONCE LUMINAIRE
			SHADING INDICATES EMERGENCY STYLE LUMINAIRE ON LIFE SAFETY
#	#		BATTERY EMERGENCY LIGHT LUMINAIRE
	#		EXIT LIGHT WITH BATTERY EMERGENCY LIGHT LUMINAIRE
#	#		SINGLE FACE EXIT SIGN (ARROW INDICATES DIRECTION)
#	#		DOUBLE FACE EXIT SIGN (ARROW INDICATES DIRECTION)

FIRE ALARM SYMBOLS

SYMBOL: CEILING	WALL	DESCRIPTION
	F	FIRE ALARM MANUAL PULL STATION
F	F	FIRE ALARM COMBINATION - HORN/STROBE
F	F	FIRE ALARM COMBINATION - SPEAKER/STROBE (VOICE EVACUATION)
F	F	FIRE ALARM STROBE
		SMOKE DETECTOR
		HEAT DETECTOR
		DUCT-MOUNTED SMOKE DETECTOR
		MAGNETIC DOOR HOLD-OPEN
	F	FIRE SPRINKLER FLOW SWITCH
	F	FIRE SPRINKLER TAMPER SWITCH
	F	FIRE ALARM BELL
	FACP	FIRE ALARM CONTROL PANEL

ELECTRICAL ANNOTATION SYMBOLS

SYMBOL	DESCRIPTION
N/E	NEW TO EXISTING CONNECTION
X	KEYNOTE
XXX	CALCULATED AVAILABLE FAULT CURRENT
XXX	FEEDER CONDUCTOR SIZE. SEE CONDUCTOR AND CONDUIT SCHEDULE.

GENERAL NOTES:

1. THIS PROJECT MAY NOT USE EVERY SYMBOL OR DEVICE APPEARING IN THESE LEGENDS.
2. ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPROPRIATE LOCAL AND NATIONAL ELECTRICAL AND BUILDING CODES.
3. CONTRACTOR SHALL REFERENCE SPECIFICATIONS FOR CONSTRUCTION MATERIALS AND INSTALLATION PROCEDURES. THE SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS. IN THE EVENT OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS, SUCH CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT / ENGINEER FOR RESOLUTION.
4. THESE DOCUMENTS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW MATERIALS FOR COMPLETE INSTALLATION.
5. JUNCTION BOXES AND PULL BOXES ARE NOT ALL SHOWN WITHIN THESE DOCUMENTS. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING REQUIRED JUNCTION / PULL BOXES TO MEET REQUIREMENTS OF APPROPRIATE LOCAL AND NATIONAL ELECTRICAL CODES.

SYMBOL MODIFIERS:

E,EX	EXISTING	WG	WIRE-GUARD
R	RELOCATED	WP	WEATHERPROOF
IG	ISOLATED GROUND	##"	MOUNTING HEIGHT
G	GROUND FAULT CURRENT INTERRUPTER	PTZ	POINT, TILT, ZOOM

DRAWN: JDS
DESIGNED: JDS
CHECKED: PDS
PROJ. MNGR: MJM

NO.	DATE	DESCRIPTION	BY
0	09-01-2023	BID SET	KPE

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

GENERAL ELECTRICAL NOTES AND SYMBOL LEGEND

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: E001

PANEL CONNECTED LOAD SUMMARY				
LOAD TYPE	Ph A	Ph B	Ph C	Total
INC=INCAND. LTG	0.00	0.00	0.00	0.00
LTG=(HID,FL,CFL,LED)	11.50	7.36	6.38	25.23
REC=RECEPTACLES	11.56	11.16	11.28	34.00
MOT=MOTORS	12.73	11.64	13.18	37.55
COOL=COOLING	22.96	21.22	22.32	66.50
HEAT=HEATING	19.85	18.85	6.00	44.70
DATA=COMP REC	0.00	0.00	0.00	0.00
KIT=KITCHEN (13 UNITS)	4.60	4.90	1.20	10.70
EMRG=EMERGENCY	0.00	0.00	0.00	0.00
NONC=NONCOINCIDENTAL	0.00	0.00	0.00	0.00
OTH=OTHER	15.50	18.00	16.60	50.10
TOTAL	98.70	93.13	76.95	268.78

PHASE BALANCE	A-N	B-N	C-N	PF
	36.7%	34.6%	28.6%	88.0%

MINIMUM PANEL AMPACITY 642.4 AMPERES

NEC DEMAND LOAD SUMMARY					
	POWER			DEM.	CALC.
LOAD TYPE	kW	FAC.	kVA	FAC.	LOAD
INC=INCAND. LTG	0.00	1.00	0.00	1.25	0.00
LTG=(HID,FL,CFL,LED)	23.97	0.95	25.23	1.25	31.54
REC=RECEPTACLES	9.50	0.95	10.00	1.00	10.00
Over 10kVA	22.80	0.95	24.00	0.50	12.00
MOT=MOTORS	2.11	0.80	2.63	1.00	2.63
Largest	27.94	0.80	34.92	1.25	43.65
COOL=HVAC COOLING	56.52	0.85	66.50	1.00	66.50
HEAT=HVAC HEATING	42.47	0.95	44.70	1.25	0.00
DATA=COMP REC	0.00	0.75	0.00	1.25	0.00
KIT=KITCHEN (13 UNITS)	8.56	0.80	10.70	0.65	6.96
EMRG=EMERGENCY	0.00	0.95	0.00	1.00	0.00
NONC=NONCOINCIDENTAL	0.00	0.85	0.00	1.00	0.00
OTH=OTHER	42.59	0.85	50.10	1.00	50.10
SUBTOTAL	236.44	0.88	268.78	0.83	223.37
3% SPARE	7.26	0.90	8.06	1.00	8.06
TOTAL	243.70	0.88	276.84	0.84	231.43

CONNECTED PHASE LOADING	KVA	AMP
PHASE A:	98.70	822.46
PHASE B:	93.13	776.08
PHASE C:	76.95	641.28
	268.78	746.05

EST. MAX. NEC DEM.: 231.4 KVA
EST. MAX. NEC DEM.: 642.4 AMPS
MINIMUM OCPD: 642.4 AMPS

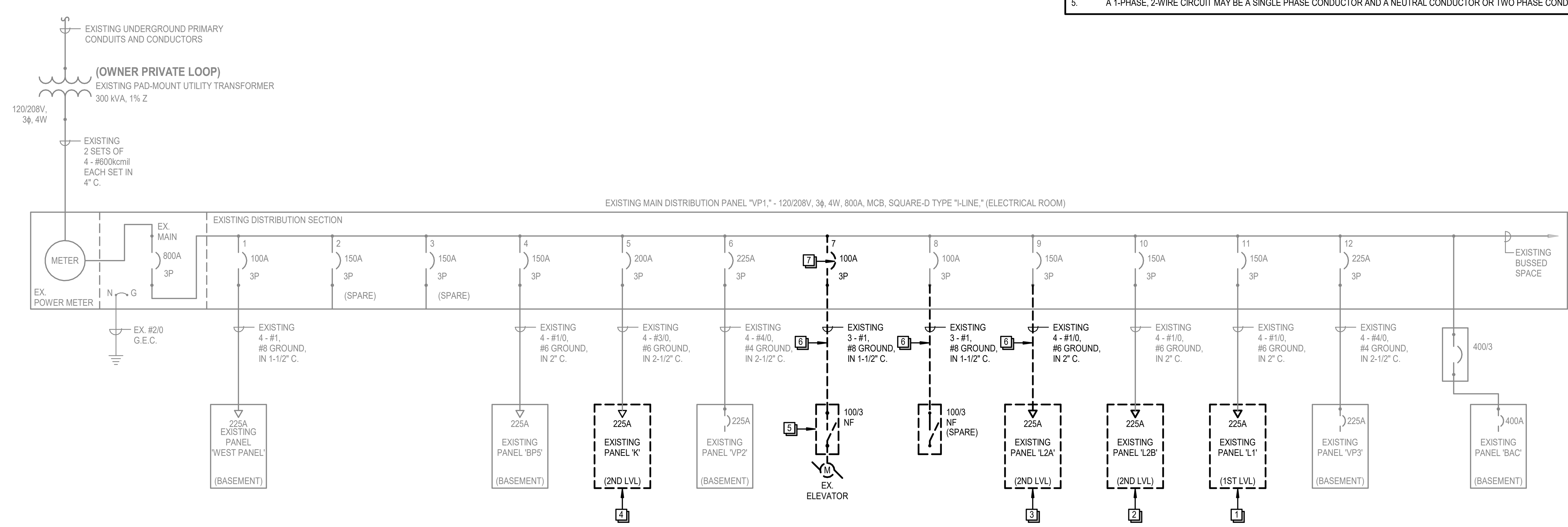
KITCHEN EQUIPMENT COUNT = 13.0

CONDUCTOR AND CONDUIT SCHEDULE

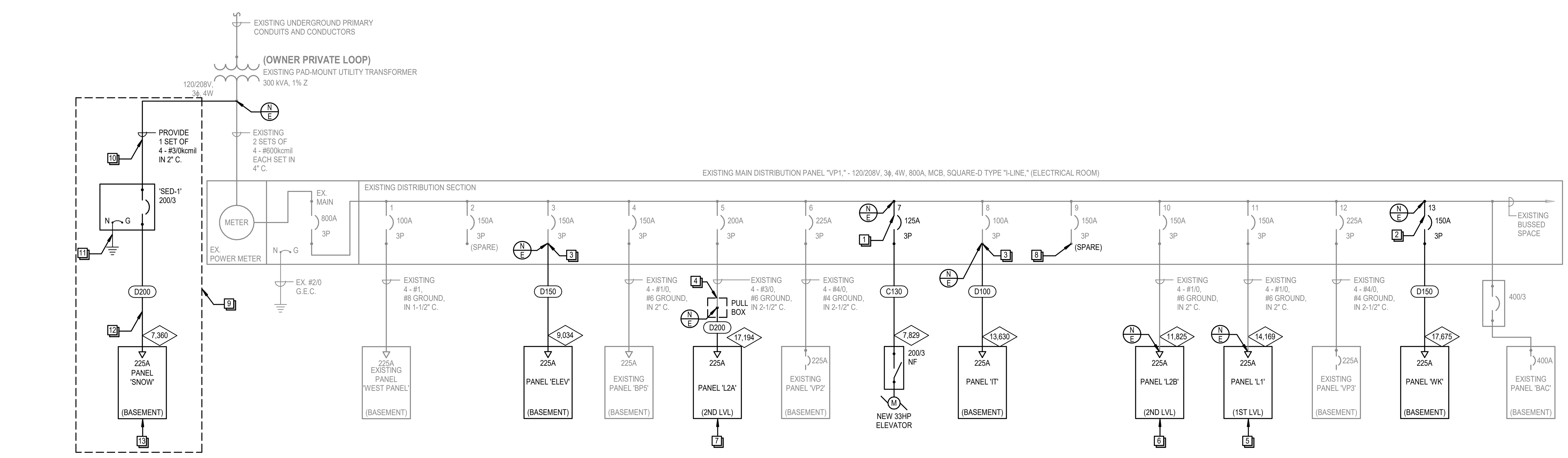
FEEDER CONDUCTOR SIZE							CIRCUIT TYPE							
							1-PHASE, 2-WIRE		1-PHASE, 3-WIRE		3-PHASE, 3-WIRE		3-PHASE, 4-WIRE	
OCPD	AMP	SETS	PHASE	NEUTRAL	EGC (4)	MOTOR EGC	TAG	SIZE	TAG	SIZE	TAG	SIZE	TAG	SIZE
20	20		12	12	12	12	A20	3/4	B20	3/4	C20	3/4	D20	3/4
30	30		10	10	10	10	A30	3/4	B30	3/4	C30	3/4	D30	3/4
40	40		8	8	10	8	A40	1	B40	1	C40	1	D40	1
50	50		6	6	10	8	A50	1	B50	1	C50	1	D50	1
60	55		6	6	10	6	A55	1	B55	1	C55	1	D55	1-1/4
70	70		4	4	8	6	A70	1	B70	1-1/4	C70	1-1/4	D70	1-1/4
90	85		3	3	8	6	A85	1-1/4	B85	1-1/4	C85	1-1/4	D85	1-1/4
100	95		2	2	8	6			B95	1-1/4	C95	1-1/4	D95	1-1/2
100	100		1	1	8	6			B100	1-1/2	C100	1-1/2	D100	1-1/2
125	115		1	1	6	4			B115	1-1/2	C115	1-1/2	D115	1-1/2
125	130		1	1	6	4			B130	1-1/2	C130	1-1/2	D130	1-1/2
150	150		1/0	1/0	6	4			B150	2	C150	2	D150	2
175	175		2/0	2/0	6	3			B175	2	C175	2	D175	2
200	200		3/0	3/0	6	3			B200	2	C200	2	D200	2-1/2
225	230		4/0	4/0	4	2			B230	2-1/2	C230	2-1/2	D230	2-1/2
250	250		250	250	4	2			B250	2-1/2	C250	2-1/2	D250	2-1/2
250	255		250	250	4	1			B255	2-1/2	C255	2-1/2	D255	2-1/2
300	285		300	300	4	1			B285	2-1/2	C285	2-1/2	D285	2-1/2
300	300	2	1/0	1/0	4	1			B300	2	C300	2	D300	2
300	310		350	350	3	1/0			B310	2-1/2	C310	2-1/2	D310	3
350	335		400	400	3	1/0			B335	2-1/2	C335	2-1/2	D335	3
350	350	2	2/0	2/0	3	1/0			B350	2	C350	2	D350	2
400	380		500	500	3	1/0			B380	3	C380	3	D380	3
400	400	2	3/0	3/0	3	1/0			B400	2	C400	2	D400	2
400	420		600	600	2	2/0			B420	3	C420	3	D420	3-1/2
450	460	2	4/0	4/0	2	2/0					C460	2-1/2	D460	2-1/2
500	500	2	250	250	2	2/0					C500	2-1/2	D500	2-1/2
500	510	2	250	250	1	3/0					C510	2-1/2	D510	2-1/2
600	600	2	350	350	1	3/0					C600	2-1/2	D600	2-1/2
600	620	2	350	350	1/0	4/0					C620	3	D620	3
800	760	2	500	500	1/0	4/0					C760	3-1/2	D760	3-1/2
800	840	2	600	600	2/0						C840	3	D840	3-1/2

NOTES:

1. AMPACITY BASED ON LATEST APPROVED NEC TABLE 310-15(B)(16), COPPER CONDUCTORS, THHW, THWN, XHHW INSULATION; 60 DEGREE RATING FOR 100 AMP AND LESS; 75 DEGREE RATING FOR OVER 100 AMP.
2. CONDUIT SIZE BASED ON CONDUCTOR PROPERTIES LISTED IN LATEST APPROVED NEC CHAPTER 9, TABLE 5, AND CONDUIT AREAS LISTED IN TABLE 4 FOR EMT WITH 40% FILL.
3. OTHER CONDITIONS MAY REQUIRE A LARGER CONDUIT, SIZED PER NEC. SEE SPECIFICATIONS FOR APPLICATION OF CONDUIT TYPES.
4. WHEN FEEDER TAG INCLUDES SUBSCRIPT "IG", INCLUDE ISO. GRD. (ISOLATED GROUND CONDUCTOR) ALONG WITH GROUND (EQUIPMENT GROUNDING CONDUCTOR).
5. A 1-PHASE, 2-WIRE CIRCUIT MAY BE A SINGLE PHASE CONDUCTOR AND A NEUTRAL CONDUCTOR OR TWO PHASE CONDUCTORS.



1 E101 DEMOLITION ONE LINE DIAGRAM
NOT TO SCALE



2 E101 ONE LINE DIAGRAM
12" = 1'-0"

NORTH

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED. HEAVY-LINED (DASHED) ITEMS INDICATE DEMOLITION WORK AND HEAVY-LINED (SOLID) ITEMS INDICATE NEW WORK.
4. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
5. DIAMOND TAGS INDICATE CALCULATED AVAILABLE FAULT-CURRENT IN AMPS (A.I.C.). ALL DISTRIBUTION EQUIPMENT SHALL EXCEED THESE MINIMUMS. CONTACT ENGINEER WITH CONFLICT OR LACK OF CLARITY FOR RESOLUTION PRIOR TO PROCUREMENT OR INSTALLATION.
6. ELLIPTICAL TAGS INDICATE FEEDER CONDUCTOR SIZE REQUIRED. SEE CONDUCTOR AND CONDUIT SCHEDULE FOR ADDITIONAL INFORMATION.
7. WHEN REFEEDING ANY EXISTING TO REMAIN ELECTRICAL PANELS, THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXISTING FEEDER SIZE AND OVERCURRENT PROTECTION RATINGS PRIOR TO ORDERING NEW MATERIALS. IF EXISTING DIFFERS FROM WHAT IS SHOWN ON PLANS, NOTIFY ENGINEER.

DEMOLITION ONE LINE DIAGRAM KEYNOTES:

1. DISCONNECT AND REMOVE EXISTING PANELBOARD. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 'L1' SHALL BE RELOCATED TO NEW PANEL 'L1' IN SAME LOCATION. SEE NEW WORK ONE LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
2. DISCONNECT AND REMOVE EXISTING PANELBOARD. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 'L2B' SHALL BE RELOCATED TO NEW PANEL 'L2B' IN SAME LOCATION. SEE NEW WORK ONE LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
3. DISCONNECT AND REMOVE EXISTING PANELBOARD. SEE NEW WORK ONE LINE DIAGRAM AND FLOOR PLANS FOR ADDITIONAL INFORMATION.
4. DISCONNECT AND REMOVE EXISTING PANELBOARD. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 'K' SHALL BE RELOCATED TO NEW PANEL 'L2A'. SEE NEW WORK ONE LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
5. DISCONNECT AND REMOVE EXISTING ABANDONED ELEVATOR CONTROLLER AND ASSOCIATED DISCONNECT. DISCONNECT AND REMOVE EXISTING CONDUITS AND CONDUCTORS FROM ELEVATOR CONTROLLER TO UPSTREAM MAIN DISTRIBUTION PANEL.
6. DISCONNECT AND REMOVE EXISTING CONDUCTORS, RACEWAY, AND SUPPORTS FOR FEEDER SERVING REMOVED EQUIPMENT.
7. DISCONNECT AND REMOVE EXISTING CIRCUIT BREAKER TO MAKE SPACE FOR NEW BREAKER.

ONE LINE DIAGRAM KEYNOTES:

1. PROVIDE NEW CIRCUIT BREAKER IN MADE SPACE BY DEMOLITION OF EXISTING BREAKER. NEW BREAKER TO MATCH EXISTING SWITCHBOARD A.I.C. RATING.
2. PROVIDE NEW CIRCUIT BREAKER IN EXISTING SPACE. NEW BREAKER TO MATCH EXISTING SWITCHBOARD A.I.C. RATING.
3. CONNECT NEW FEEDER TO EXISTING BREAKER.
4. PROVIDE NEW PULLBOX FOR SPLICING OF EXISTING FEEDER WITH NEW FEEDER. COORDINATE PULL BOX SIZE WITH FIELD CONDITIONS PRIOR TO ROUGH-IN. SEE NEW WORK DRAWINGS FOR MORE INFORMATION.
5. PROVIDE NEW PANELBOARD IN SAME LOCATION AS DEMOLISHED PANEL. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 'L1' SHALL BE RELOCATED TO NEW PANEL 'L1' IN SAME LOCATION. PROVIDE NEW CIRCUIT BREAKERS AND INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS, AS REQUIRED, TO CREATE NEW CIRCUITS WITHIN PANEL. SEE PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
6. PROVIDE NEW PANELBOARD IN SAME LOCATION AS DEMOLISHED PANEL. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 'L2B' SHALL BE RELOCATED TO NEW PANEL 'L2B' IN SAME LOCATION. PROVIDE NEW CIRCUIT BREAKERS AND INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS, AS REQUIRED, TO CREATE NEW CIRCUITS WITHIN PANEL. SEE PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
7. PROVIDE NEW PANELBOARD. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 'K' AND 'L2A' SHALL BE RELOCATED TO NEW PANEL 'L2A' IN NEARBY LOCATION. PROVIDE NEW CIRCUIT BREAKERS AND INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS, AS REQUIRED, TO CREATE NEW CIRCUITS WITHIN PANEL. SEE PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
8. RE-LABEL EXISTING BREAKER THAT IS REMAINING FROM DEMOLISHED EQUIPMENT AS 'SPARE'.
9. AS A PART OF ALTERNATE #1: DEDUCT ALL WORK IN DASHED AREA FROM BID.
10. PROVIDE NEW 200A FEEDER FROM EXISTING EXTERIOR TRANSFORMER TO NEW 'SED-1' MOUNTED ON WALL IN BASEMENT ELECTRICAL ROOM. COORDINATE ROUTING OF FEEDER WITH EXISTING FIELD CONDITIONS PRIOR TO ROUGH-IN. SEE NEW WORK PLANS FOR MORE INFORMATION.
11. PROVIDE NEW MAIN BONDING JUMPER SIZED PER NEC TABLE 250.66.
12. PROVIDE NEW 200A FEEDER FROM 'SED-1' TO NEW 'SNOW' PANEL. COORDINATE ROUTING OF FEEDER WITH EXISTING FIELD CONDITIONS PRIOR TO ROUGH-IN.
13. PROVIDE NEW PANELBOARD FOR SERVING NEW EXTERIOR SNOWMELT SYSTEM. SEE NEW WORK PLANS FOR MORE INFORMATION.

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ONE LINE DIAGRAMS

KPE ARCHITECTURE ENGINEERING FORENSICS
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

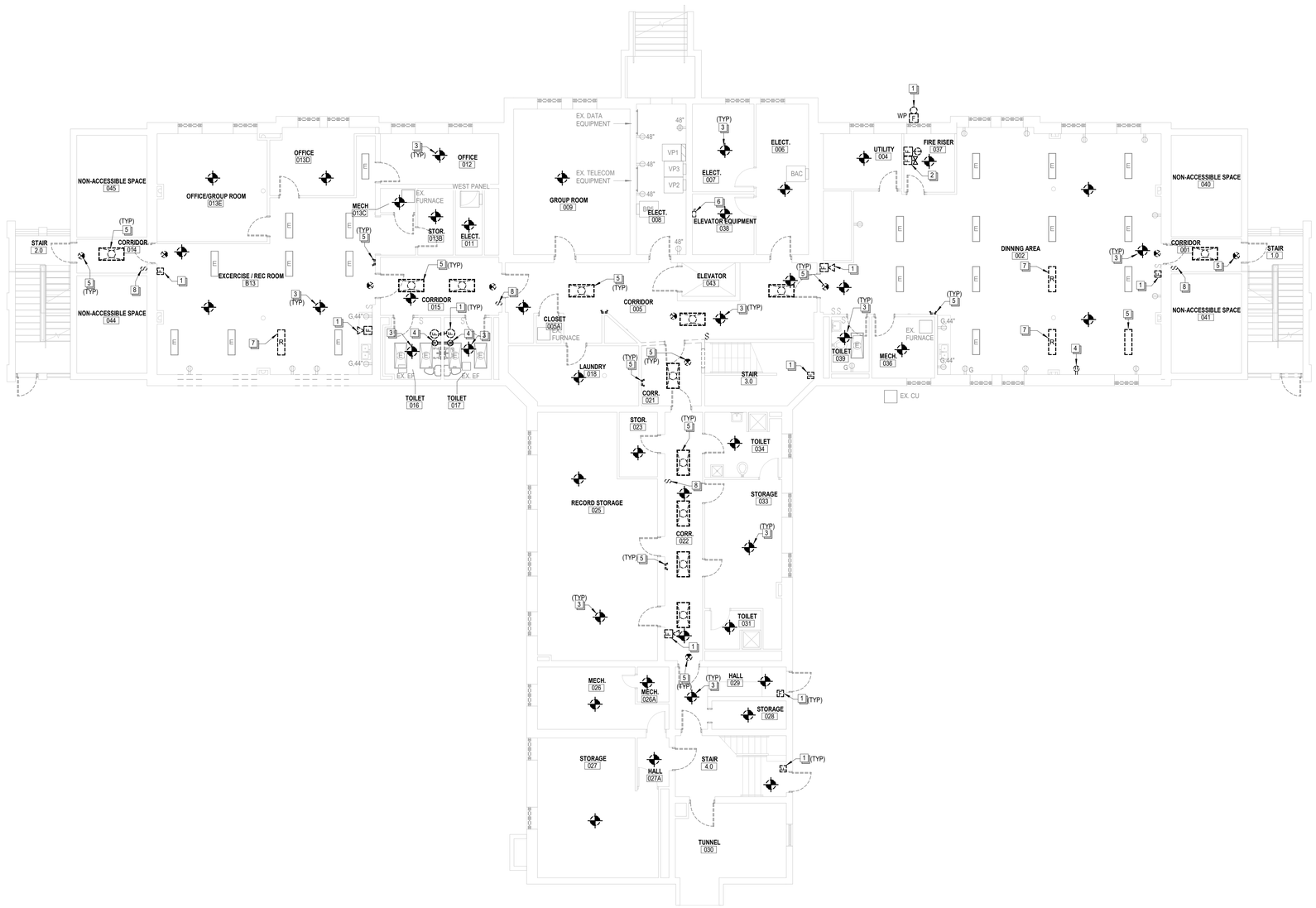
DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: E101

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING EQUIPMENT, DEVICES, AND LUMINAIRES AS INDICATED AND/OR AS REQUIRED TO ALLOW FOR INSTALLATION AND CONSTRUCTION OF THE NEW WORK. REMOVE ALL EQUIPMENT, DEVICES, LUMINAIRES, CONDUITS, SUPPORTS, HANGERS, ETC. THAT ARE NOT SHOWN AND ARE REQUIRED TO BE REMOVED IN ORDER TO COMPLETE THE NEW WORK.
4. ALL ITEMS SHOWN DASHED WITH HEAVY LINEWEIGHT ARE TO BE DEMOLISHED ALONG WITH THEIR ASSOCIATED BOXES, CONDUITS, CONDUCTORS, SUPPORTS, AND HANGERS UNLESS INDICATED OTHERWISE. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED.
5. RECESSED BOXES AND CONDUITS CONCEALED WITHIN WALLS OR FLOORS THAT ARE TO REMAIN ARE PERMITTED TO BE ABANDONED IN PLACE ONLY IF THE OPENINGS ARE PATCHED, OR PROVIDED WITH BLANK COVERPLATE, AND IF THE CONDUCTORS ARE REMOVED.
6. THE OWNER SHALL HAVE FIRST SALVAGE RIGHT ON ALL DEMOLISHED EQUIPMENT, DEVICES, LUMINAIRES, AND MATERIALS. THE CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED EQUIPMENT, DEVICES, LUMINAIRES, AND MATERIALS THE OWNER REJECTS.
7. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
8. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE.
9. LUMINAIRES MARKED "R" ARE EXISTING LUMINAIRES THAT ARE TO BE OR HAVE BEEN RELOCATED. ALL LUMINAIRES DESIGNATED FOR RELOCATION SHALL BE DISCONNECTED FROM EXISTING BRANCH CIRCUIT, REMOVED FROM EXISTING AREA, STORED, REPAIRED TO A LIKE-NEW CONDITION, INSTALLED IN REMODELED AREA, RECONNECTED, THOROUGHLY CLEANED, AND RELAMPED.
10. ALL EXISTING FIRE ALARM DEVICES ARE TO BE DEMOLISHED. DISCONNECT AND REMOVE ANY FIRE ALARM DEVICES EVEN IF UN-SHOWN ON DRAWINGS.
11. ALL EXISTING FIRE ALARM CONDUIT, AND CABLING TO BE REMOVED FROM EXISTING BUILDING. SEE ABOVE NOTES FOR RECESSED BOXES AND RACEWAYS.

KEYNOTES

1. DISCONNECT AND REMOVE EXISTING FIRE ALARM INITIATION OR NOTIFICATION APPLIANCE. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE EXISTING FIRE SPRINKLER FLOW AND TAMPER SWITCH. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.
3. DISCONNECT AND REMOVE EXISTING SMOKE OR HEAT DETECTOR. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM CONTROL PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.
4. REMOVE EXISTING POWER DEVICE, COVERPLATE, JUNCTION BOX, RACEWAYS AND CONDUCTORS. REMOVE RACEWAYS AND CONDUCTORS BACK TO NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.
5. REMOVE EXISTING LUMINAIRE AND REMOVE FROM SITE. DISPOSE OF LAMPS AND BALLASTS IN ACCORDANCE WITH ALL HAZARDOUS WASTE REMOVAL REGULATIONS. REMOVE EXISTING CONDUCTORS TO SWITCHES AND TO SOURCE PANEL. HOMERUN RACEWAYS MAY BE REUSED AT CONTRACTOR'S DISCRETION.
6. DISCONNECT AND REMOVE EXISTING ELEVATOR DISCONNECT, AND ASSOCIATED FEEDER.
7. REMOVE EXISTING LUMINAIRE AND RETAIN FOR RE-INSTALLATION IN NEW LOCATION AS SHOWN ON NEW WORK PLANS. HOMERUN RACEWAYS MAY BE REUSED AT CONTRACTOR'S DISCRETION.
8. REMOVE EXISTING LIGHTING SWITCH, COVERPLATE, JUNCTION BOX, RACEWAYS AND SWITCH-LEG CONDUCTORS. REMOVE RACEWAYS AND CONDUCTORS BACK TO SOURCE PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.



1 ED110 ELECTRICAL DEMOLITION PLAN - BASEMENT LEVEL
1/8" = 1'-0"

NORTH

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

NO.	DESCRIPTION	BY
0	BID SET	KPE

DATE: 09-01-2023

VOLDENG BUILDING RENOVATIONS

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL DEMOLITION PLAN - BASEMENT LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: ED110

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING EQUIPMENT, DEVICES, AND LUMINAIRES AS INDICATED AND/OR AS REQUIRED TO ALLOW FOR INSTALLATION AND CONSTRUCTION OF THE NEW WORK. REMOVE ALL EQUIPMENT, DEVICES, LUMINAIRES, CONDUITS, SUPPORTS, HANGERS, ETC. THAT ARE NOT SHOWN AND ARE REQUIRED TO BE REMOVED IN ORDER TO COMPLETE THE NEW WORK.
4. ALL ITEMS SHOWN DASHED WITH HEAVY LINEWEIGHT ARE TO BE DEMOLISHED ALONG WITH THEIR ASSOCIATED BOXES, CONDUITS, CONDUCTORS, SUPPORTS, AND HANGERS UNLESS INDICATED OTHERWISE. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED.
5. RECESSED BOXES AND CONDUITS CONCEALED WITHIN WALLS OR FLOORS THAT ARE TO REMAIN ARE PERMITTED TO BE ABANDONED IN PLACE ONLY IF THE OPENINGS ARE PATCHED, OR PROVIDED WITH BLANK COVERPLATE, AND IF THE CONDUCTORS ARE REMOVED.
6. THE OWNER SHALL HAVE FIRST SALVAGE RIGHT ON ALL DEMOLISHED EQUIPMENT, DEVICES, LUMINAIRES, AND MATERIALS. THE CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED EQUIPMENT, DEVICES, LUMINAIRES, AND MATERIALS THE OWNER REJECTS.
7. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
8. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE.
9. LUMINAIRES MARKED "R" ARE EXISTING LUMINAIRES THAT ARE TO BE OR HAVE BEEN RELOCATED. ALL LUMINAIRES DESIGNATED FOR RELOCATION SHALL BE DISCONNECTED FROM EXISTING BRANCH CIRCUIT, REMOVED FROM EXISTING AREA, STORED, REPAIRED TO A LIKE-NEW CONDITION, INSTALLED IN REMODELED AREA, RECONNECTED, THOROUGHLY CLEANED, AND RELAMPED.
10. ALL EXISTING FIRE ALARM DEVICES ARE TO BE DEMOLISHED. DISCONNECT AND REMOVE ANY FIRE ALARM DEVICES EVEN IF UN-SHOWN ON DRAWINGS.
11. ALL EXISTING FIRE ALARM CONDUIT, AND CABLING TO BE REMOVED FROM EXISTING BUILDING. SEE ABOVE NOTES FOR RECESSED BOXES AND RACEWAYS.

KEYNOTES

1 DISCONNECT AND REMOVE EXISTING FIRE ALARM INITIATION OR NOTIFICATION APPLIANCE. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

2 DISCONNECT AND REMOVE EXISTING SMOKE OR HEAT DETECTOR. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM CONTROL PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

3 DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL. LOADS THAT ARE EXISTING TO REMAIN SHALL BE RELOCATED TO NEW PANEL 'L1' PROVIDED IN SAME LOCATION. SEE ONE LINE DIAGRAMS FOR ADDITIONAL INFORMATION.

4 DISCONNECT AND REMOVE EXISTING FIRE ALARM CONTROL PANEL.

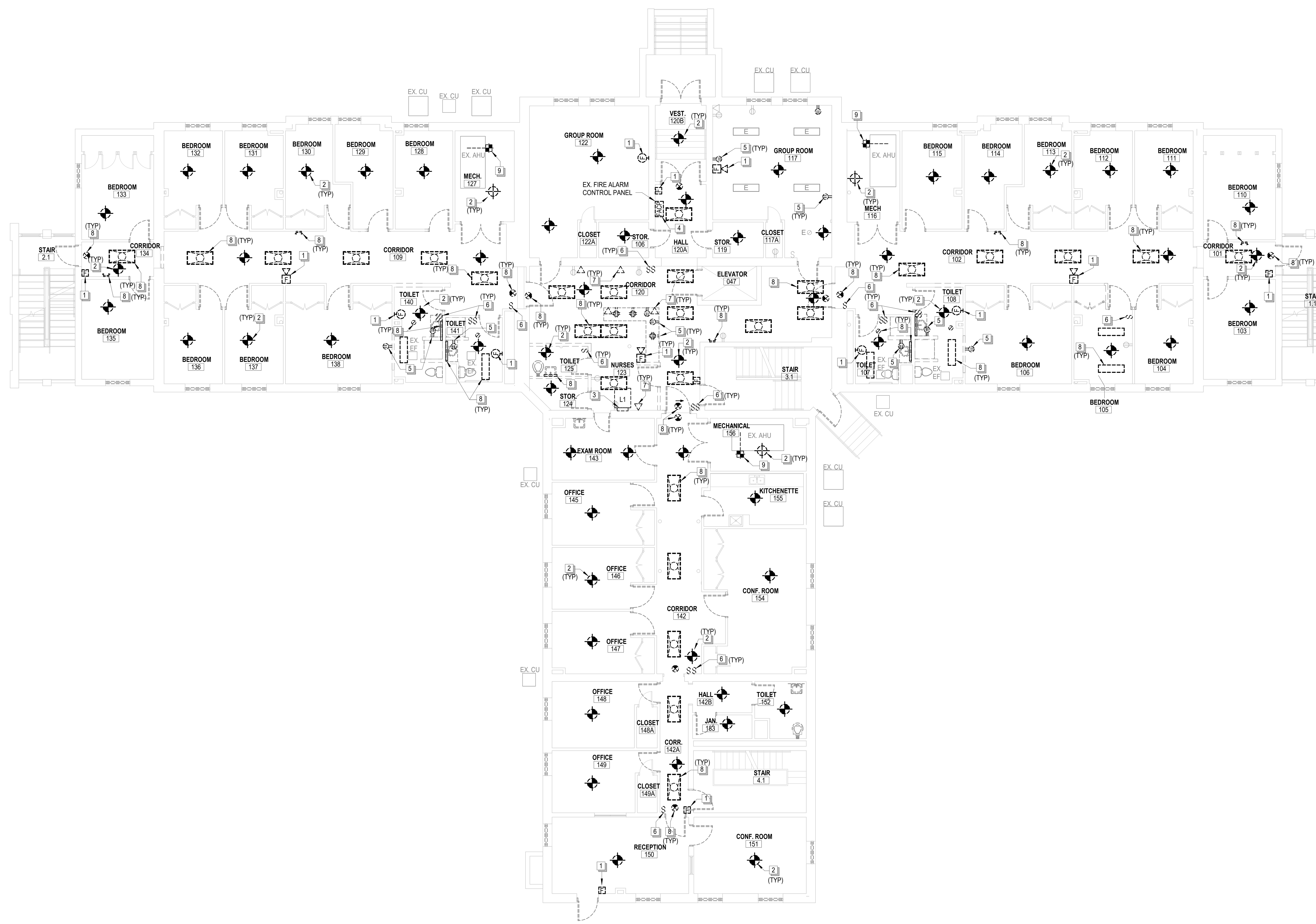
5 REMOVE EXISTING POWER DEVICE, COVERPLATE, JUNCTION BOX, RACEWAYS AND CONDUCTORS. REMOVE RACEWAYS AND CONDUCTORS BACK TO NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

6 REMOVE EXISTING LIGHTING SWITCH, COVERPLATE, JUNCTION BOX, RACEWAYS AND SWITCH-LEG CONDUCTORS. REMOVE RACEWAYS AND CONDUCTORS BACK TO SOURCE PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

7 REMOVE EXISTING SYSTEMS DEVICE, COVERPLATE, JUNCTION BOX, RACEWAYS AND CABLING. REMOVE RACEWAYS AND CABLING BACK TO SOURCE EQUIPMENT OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

8 REMOVE EXISTING LUMINAIRE AND REMOVE FROM SITE. DISPOSE OF LAMPS AND BALLASTS IN ACCORDANCE WITH ALL HAZARDOUS WASTE REMOVAL REGULATIONS. REMOVE EXISTING CONDUCTORS TO SWITCHES AND TO SOURCE PANEL. HOMERUN RACEWAYS MAY BE REUSED AT CONTRACTOR'S DISCRETION.

9 DISCONNECT AND REMOVE EXISTING DUCT SMOKE DETECTOR. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM CONTROL PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.



NORTH

1 ED111 ELECTRICAL DEMOLITION PLAN - FIRST LEVEL
1/8" = 1'-0"

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

VOLDENG BUILDING RENOVATIONS

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL DEMOLITION PLAN - FIRST LEVEL

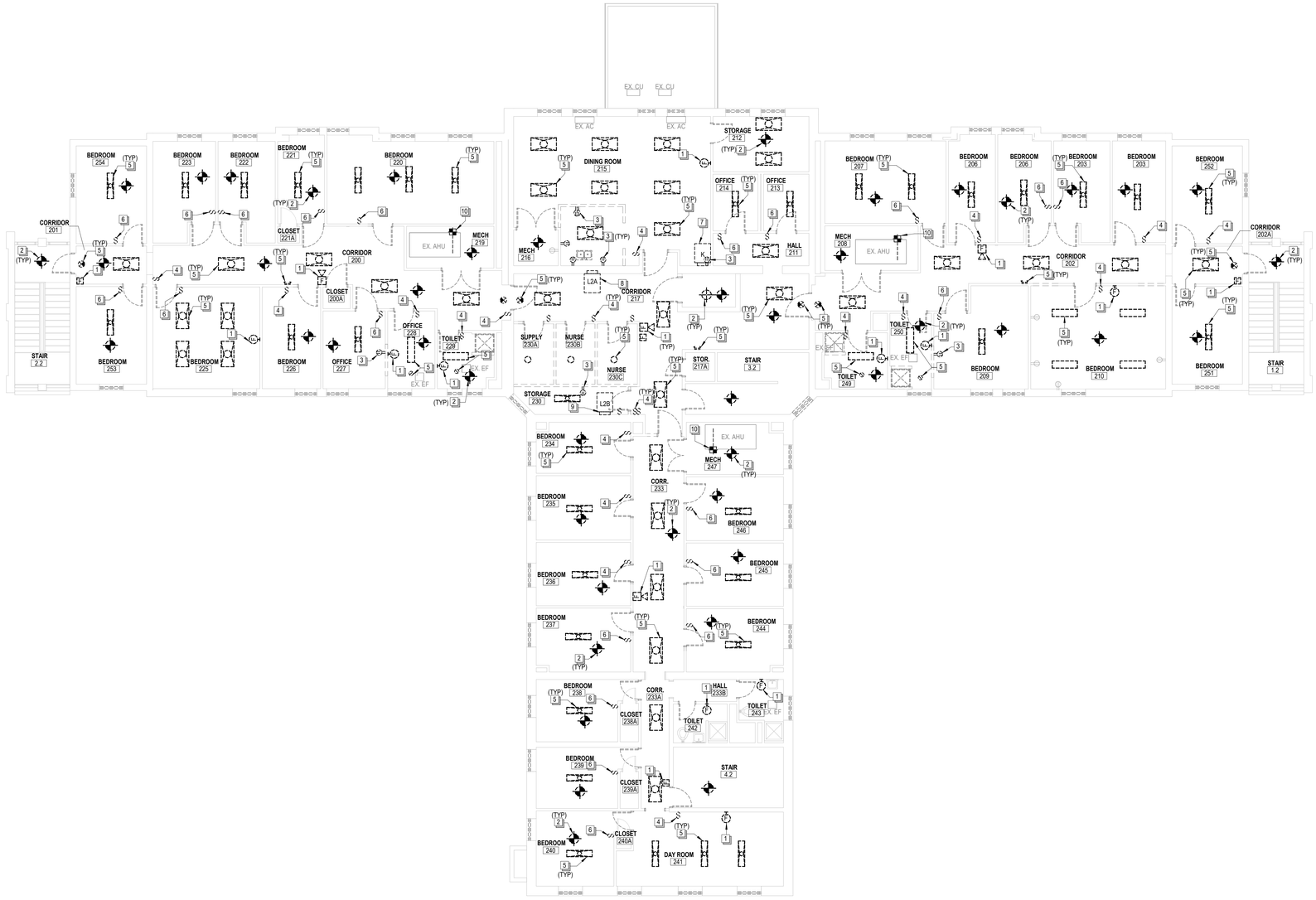
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: ED111



1 ED112 ELECTRICAL DEMOLITION PLAN - SECOND LEVEL
1/8" = 1'-0"

NORTH

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING EQUIPMENT, DEVICES, AND LUMINAIRES AS INDICATED AND/OR AS REQUIRED TO ALLOW FOR INSTALLATION AND CONSTRUCTION OF THE NEW WORK. REMOVE ALL EQUIPMENT, DEVICES, LUMINAIRES, CONDUITS, SUPPORTS, HANGERS, ETC. THAT ARE NOT SHOWN AND ARE REQUIRED TO BE REMOVED IN ORDER TO COMPLETE THE NEW WORK.
4. ALL ITEMS SHOWN DASHED WITH HEAVY LINEWEIGHT ARE TO BE DEMOLISHED ALONG WITH THEIR ASSOCIATED BOXES, CONDUITS, CONDUCTORS, SUPPORTS, AND HANGERS UNLESS INDICATED OTHERWISE. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED.
5. RECESSED BOXES AND CONDUITS CONCEALED WITHIN WALLS OR FLOORS THAT ARE TO REMAIN ARE PERMITTED TO BE ABANDONED IN PLACE ONLY IF THE OPENINGS ARE PATCHED, OR PROVIDED WITH BLANK COVERPLATE, AND IF THE CONDUCTORS ARE REMOVED.
6. THE OWNER SHALL HAVE FIRST SALVAGE RIGHT ON ALL DEMOLISHED EQUIPMENT, DEVICES, LUMINAIRES, AND MATERIALS. THE CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED EQUIPMENT, DEVICES, LUMINAIRES, AND MATERIALS THE OWNER REJECTS.
7. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
8. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE.
9. LUMINAIRES MARKED "R" ARE EXISTING LUMINAIRES THAT ARE TO BE OR HAVE BEEN RELOCATED. ALL LUMINAIRES DESIGNATED FOR RELOCATION SHALL BE DISCONNECTED FROM EXISTING BRANCH CIRCUIT, REMOVED FROM EXISTING AREA, STORED, REPAIRED TO A LIKE-NEW CONDITION, INSTALLED IN REMODELED AREA, RECONNECTED, THOROUGHLY CLEANED, AND RELAMPED.
10. ALL EXISTING FIRE ALARM DEVICES ARE TO BE DEMOLISHED. DISCONNECT AND REMOVE ANY FIRE ALARM DEVICES EVEN IF UN-SHOWN ON DRAWINGS.
11. ALL EXISTING FIRE ALARM CONDUIT, AND CABLING TO BE REMOVED FROM EXISTING BUILDING. SEE ABOVE NOTES FOR RECESSED BOXES AND RACEWAYS.

KEYNOTES

1 DISCONNECT AND REMOVE EXISTING FIRE ALARM INITIATION OR NOTIFICATION APPLIANCE. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

2 DISCONNECT AND REMOVE EXISTING SMOKE OR HEAT DETECTOR. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM CONTROL PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

3 REMOVE EXISTING POWER DEVICE, COVERPLATE, JUNCTION BOX, RACEWAYS AND CONDUCTORS. REMOVE RACEWAYS AND CONDUCTORS BACK TO NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

4 REMOVE EXISTING LIGHTING SWITCH, COVERPLATE, JUNCTION BOX, RACEWAYS AND SWITCH-LEG CONDUCTORS. REMOVE RACEWAYS AND CONDUCTORS BACK TO SOURCE PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

5 REMOVE EXISTING LUMINAIRE AND REMOVE FROM SITE. DISPOSE OF LAMPS AND BALLASTS IN ACCORDANCE WITH ALL HAZARDOUS WASTE REMOVAL REGULATIONS. REMOVE EXISTING CONDUCTORS TO SWITCHES AND TO SOURCE PANEL. HOMERUN RACEWAYS MAY BE REUSED AT CONTRACTOR'S DISCRETION.

6 REMOVE EXISTING LIGHTING SWITCH, COVERPLATE, AND SWITCH-LEG CONDUCTORS. RETAIN EXISTING JUNCTION BOX AND RACEWAYS FOR REUSE WITH NEW LIGHTING.

7 DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL. LOADS THAT ARE EXISTING TO REMAIN SHALL BE RELOCATED TO NEW PANEL 'L2A' PROVIDED IN NEARBY LOCATION. SEE ONE LINE DIAGRAMS FOR ADDITIONAL INFORMATION.

8 DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL. LOADS THAT ARE EXISTING TO REMAIN SHALL BE RELOCATED TO NEW PANEL 'L2A' PROVIDED IN NEARBY LOCATION. SEE ONE LINE DIAGRAMS FOR ADDITIONAL INFORMATION. COORDINATE WITH GENERAL CONTRACTOR TO PROPERLY PAINT AND PATCH HOLE LEFT BY REMOVAL OF RECESSED PANEL.

9 DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL. LOADS THAT ARE EXISTING TO REMAIN SHALL BE RELOCATED TO NEW PANEL 'L2B' PROVIDED IN SAME LOCATION. SEE ONE LINE DIAGRAMS FOR ADDITIONAL INFORMATION.

10 DISCONNECT AND REMOVE EXISTING DUCT SMOKE DETECTOR. REMOVE RACEWAYS AND CABLING BACK TO FIRE ALARM CONTROL PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE		
09-01-2023		

VOLDENG BUILDING RENOVATIONS

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL DEMOLITION PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: ED112

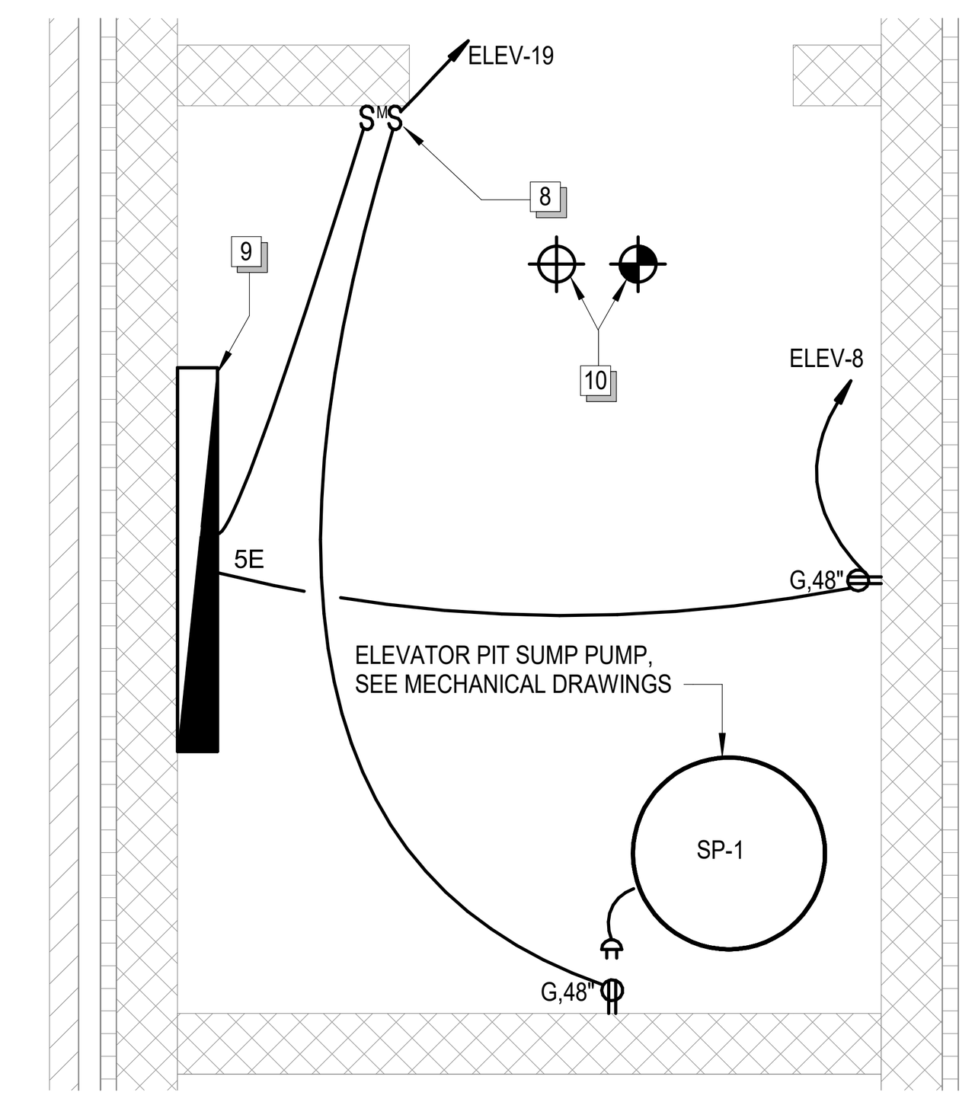
SECURITY CAMERA SCHEDULE			
MARK	MANUFACTURER	MODEL	QUANTITY
A	AXIS	Q6315-LE	6
B	AXIS	P3267-LVE	6
C	AXIS	M3086-V	31
D	AXIS	M3215-LVE	66
E	AXIS	M4318-PLVE	8
F	AXIS	Q9216-SLV-STEEL	3
G	AXIS	M3085-V	2
H	AXIS	P4705-PLVE	3

SCHEDULE NOTES:

1.) CONTRACTOR TO VERIFY MOUNTING HARDWARE WITH FIELD CONDITIONS, AND DESIRED LOCATION PRIOR TO ORDERING OF EQUIPMENT.

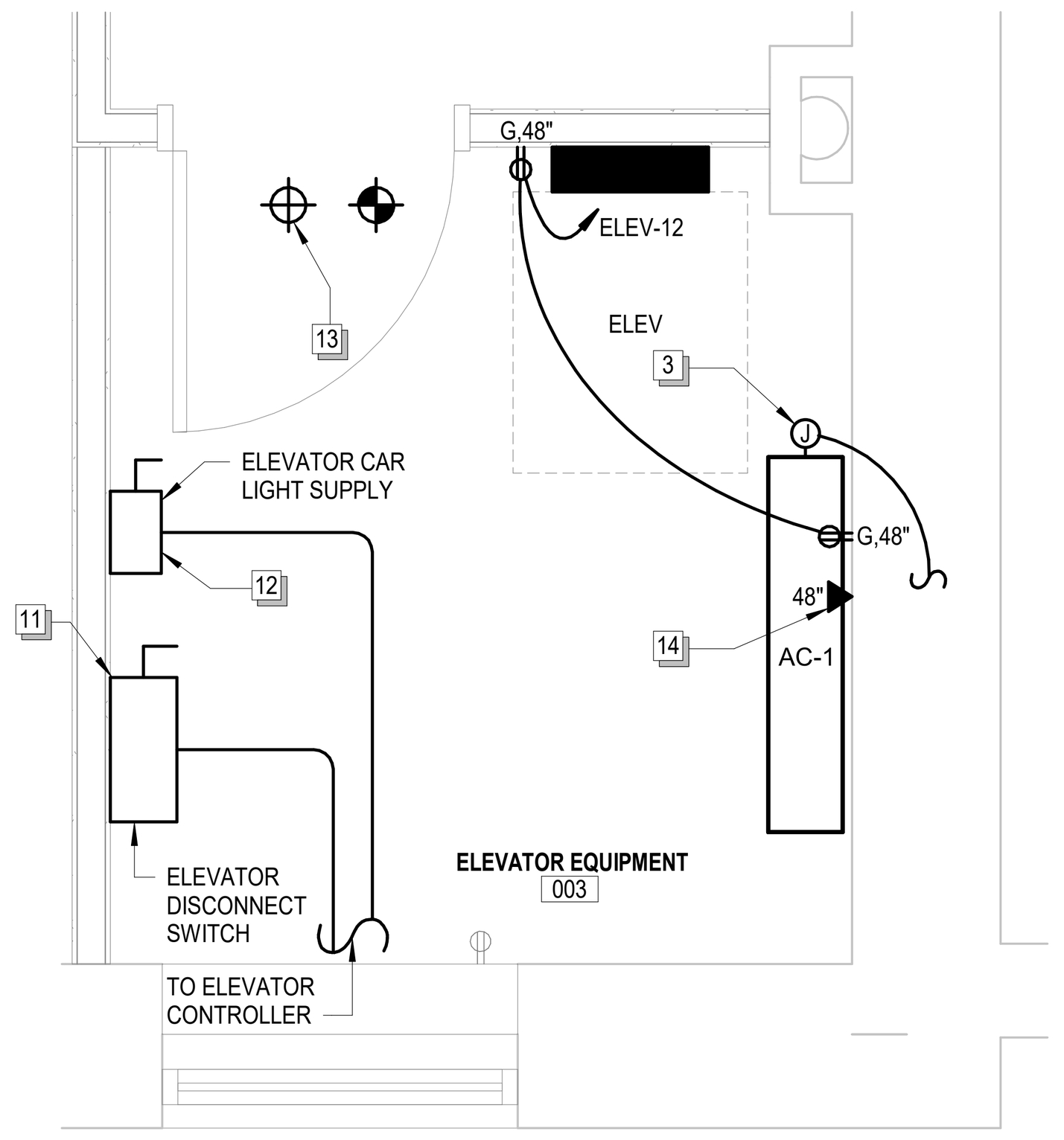
2.) CONTRACTOR TO VERIFY CAMERA TYPE WILL OPERATE WITH OWNER PROVIDED CAMERA HEAD END SYSTEM EQUIPMENT PRIOR TO ORDERING OF EQUIPMENT.

3.) COORDINATE ALL CAMERA AIMING WITH OWNER AFTER INSTALLATION, AND PRIOR TO TURNING SYSTEM OVER.



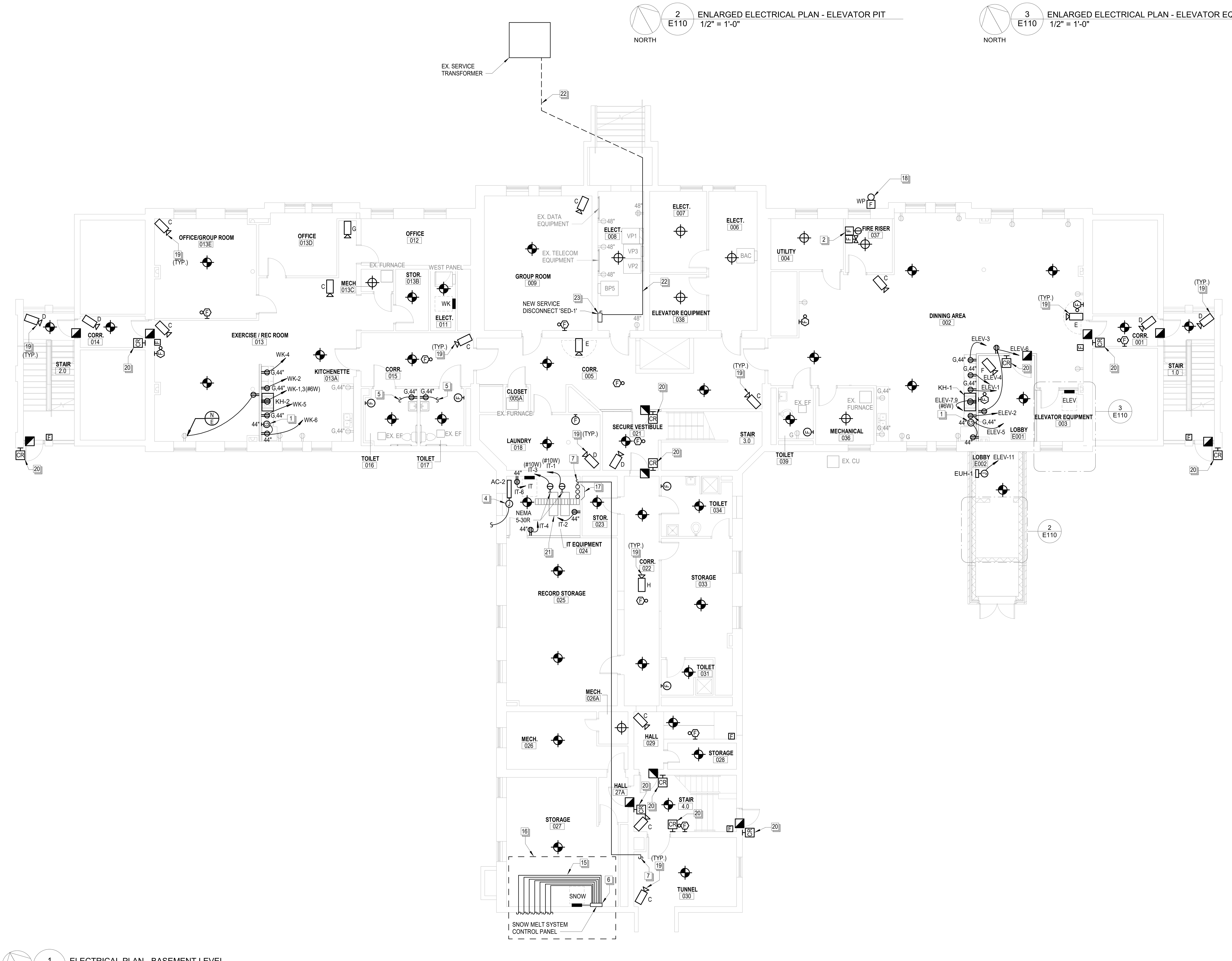
NORTH

2 E110 ENLARGED ELECTRICAL PLAN - ELEVATOR PIT
1/2" = 1'-0"



NORTH

3 E110 ENLARGED ELECTRICAL PLAN - ELEVATOR EQUIPMENT ROOM
1/2" = 1'-0"



NORTH

1 E110 ELECTRICAL PLAN - BASEMENT LEVEL
1/8" = 1'-0"

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.

3. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED. HEAVY-LINED ITEMS INDICATE NEW WORK AS INDICATED.

4. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.

5. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE. ALL EXISTING LUMINAIRES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED TO A LIKE-NEW CONDITION, THOROUGHLY CLEANED, AND RELAMPED.

6. ALL CEILING AND WALL MOUNTED OCCUPANCY SENSORS SHOWN ON LIGHTING PLAN SHALL BE DUAL-TECHNOLOGY TYPE.

7. ALL JUNCTION BOXES ABOVE CEILINGS, MUST BE INSTALLED ABOVE ACCESSIBLE CEILINGS. NO JUNCTION BOXES SHALL BE INSTALLED IN UN-ACCESSIBLE LOCATIONS WITHOUT AN ACCESS PANEL INSTALLED.

KEYNOTES

1 PROVIDE DEAD-FRONT GFCI DEVICE AND ASSOCIATED RECEPTACLE, IF APPLICABLE. PROVIDE PASS & SEYMOUR DEAD-FRONT REMOTE GFCI DEVICE, #2048W OR APPROVED EQUAL. MOUNT IN AN ACCESSIBLE AREA. PROVIDE CONNECTIONS AS INDICATED. PROVIDE COVER-PLATE WITH 1/4" ENGRAVED AND INKED LETTERS TO IDENTIFY EQUIPMENT SERVED. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.

2 PROVIDE FINAL FIRE ALARM WIRING TO THE SPRINKLER SYSTEM SERVICE TAMPER SWITCH AND FLOW SWITCH. VERIFY EXACT NUMBER AND LOCATIONS FOR ALL REQUIRED MONITORING DEVICES WITH FIRE ALARM AND SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.

3 PROVIDE FINAL CONNECTION TO DUCTLESS SPLIT SYSTEM INDOOR FAN UNIT IN ELEVATOR EQUIPMENT ROOM. PROVIDE INTERCONNECTION BETWEEN OUTDOOR CONDENSER AND INDOOR WALL-MOUNTED FAN UNIT AS REQUIRED. COORDINATE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MAKE PROVISIONS AS NECESSARY. SEE 1/E111 FOR CONTINUATION AND CONDENSER LOCATION.

4 PROVIDE FINAL CONNECTION TO DUCTLESS SPLIT SYSTEM INDOOR FAN UNIT. PROVIDE INTERCONNECTION BETWEEN OUTDOOR CONDENSER AND INDOOR WALL-MOUNTED FAN UNIT AS REQUIRED. COORDINATE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MAKE PROVISIONS AS NECESSARY. SEE 1/E111 FOR CONTINUATION AND CONDENSER LOCATION.

5 CIRCUIT NEW RECEPTACLE TO EXISTING CIRCUIT THAT SERVED SPACE PRIOR TO DEMOLITION. EXTEND EXISTING RACEWAY, AND CONDUCTORS AS NECESSARY FOR COMPLETE INSTALLATION.

6 PROVIDE POWER TO SNOW MELT CONTROL PANEL. COORDINATE ALL REQUIREMENTS AND FINAL PLACEMENT OF PANEL WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

7 PROVIDE (1) 2" EMT CONDUIT, WITH PULLSTRING, FROM EXISTING BUILDING'S TELECOM ENTRANCE LOCATION FOR EXTENDED TELECOM SERVICE TO NEW IT ROOM LOCATION. COORDINATE LOCATION OF EXISTING TELECOM DISTRIBUTION LOCATION AND EXACT CONDUIT ROUTING WITH OWNER PRIOR TO ROUGH-IN.

8 PROVIDE MOTOR-RATED SWITCH AT +42" ABOVE BOTTOM LANDING FLOOR LEVEL FOR SUMP PUMP CONTROL. PROVIDE ADJACENT TO PIT LIGHT SWITCH.

9 PROVIDE PIT LIGHT AND SWITCH AT AN ACCESSIBLE HEIGHT OF +42" ABOVE THE BOTTOM LANDING FLOOR LEVEL. COORDINATE FINAL MOUNTING LOCATION OF LIGHT FIXTURE WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN TO AVOID ELEVATOR SUPPORTS.

10 PROVIDE ELEVATOR HOISTWAY WITH HEAT AND SMOKE DETECTORS IF THE HOISTWAY IS SPRINKLED. IF HOISTWAY IS NOT SPRINKLED, THERE SHALL NOT BE A SMOKE DETECTOR.

11 PROVIDE FUSED, PADLOCKABLE DISCONNECT SWITCH IN MACHINE ROOM WITH FEEDER WIRES TO ELEVATOR CONTROLLER, ALL PIPED AND GROUNDED IN ACCORDANCE WITH NFPA. THE MAINLINE DISCONNECT SWITCH SHALL HAVE AUXILIARY CONTACTS TO REMOVE POWER FROM THE BATTERY LOWERING UNIT IF THE ELEVATOR IS A HYDRAULIC TYPE. CONTRACTOR SHALL PROVIDE A SHUNT-TRIP CIRCUIT BREAKER FOR THE ELEVATOR MAIN LINE POWER IN ORDER TO REMOVE POWER FROM ELEVATOR CONTROLS BEFORE ANY SPRINKLER IS ACTIVATED IN THE ELEVATOR MACHINE ROOM AND HOISTWAY OVERHEAD, IF APPLICABLE.

12 PROVIDE (1) 120V, 20A, 1PH POWER SUPPLY, AND FUSED PADLOCKABLE DISCONNECT SWITCH IN MACHINE ROOM AND RUN TO THE ELEVATOR CONTROLLER FOR THE CAR LIGHT SUPPLY.

13 PROVIDE HEAT DETECTOR MOUNTED WITHIN 2'-0" OF THE FIRE SPRINKLER HEAD IN ELEVATOR MACHINE ROOM.

14 PROVIDE CONDUIT FOR EMERGENCY PHONE IN ELEVATOR MACHINE ROOM FOR COMMUNICATION WITH THE ELEVATOR CAR. COORDINATE ALL CONNECTION REQUIREMENTS FOR 24-HOUR ADA COMPLIANT TELEPHONE OR INTERCOM IN ELEVATOR CAB WITH ELEVATOR EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.

15 ROUTE FEEDERS FOR SNOW MELT SYSTEM MATTS FROM "SNOW" PANELBOARD, AND SYSTEM CONTROL PANEL THROUGH WALL INTO VOID SPACE BENEATH NEW EXTERIOR RAMP. COORDINATE PENETRATIONS TO OCCUR WITHIN SPACE OF DEMOLISHED WINDOW AREA. COORDINATE ROUTING OF FEEDERS WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE REQUIREMENTS FOR FEEDERS WITH MANUFACTURER PRIOR TO PURCHASE OF EQUIPMENT.

16 AS A PART OF ALTERNATE 1: DEDUCT ALL WORK AND DEVICES ASSOCIATED WITH THE SNOWMELT SYSTEM WITHIN THE HATCHED AREA.

17 PROVIDE PENETRATION SLEEVES ABOVE LADDER RACK, IN QUANTITIES INDICATED ON PLAN. EXTEND SLEEVE(S) TO ABOVE CABLE TRAY AS REQUIRED. COORDINATE MOUNTING HEIGHTS AND TERMINATION POINTS PRIOR TO INSTALLATION. WALL & FLOOR PENETRATIONS SHALL BE FIRESTOPPED. COORDINATE ALL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

18 PROVIDE FIRE ALARM BELL ABOVE FIRE DEPARTMENT CONNECTION ON BUILDING EXTERIOR. COORDINATE EXACT LOCATION, MOUNTING HEIGHT, AND ALL REQUIREMENTS WITH FIRE SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.

19 PROVIDE ROUGH-IN FOR SECURITY SURVEILLANCE CAMERA. COORDINATE ALL REQUIREMENTS, AIMING, AND EXACT LOCATION WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLING AT NEAREST IT RACK PATCH PANEL. SEE SECURITY CAMERA SCHEDULE FOR MORE INFORMATION.

20 PROVIDE ROUGH-IN FOR SECURITY CARD READER AND ASSOCIATED SECURITY DOOR CONTACT LOCKS. COORDINATE ALL REQUIREMENTS WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLING AT NEAREST IT RACK PATCH PANEL. SEE ACCESS CONTROL DOOR DETAIL 2/E601 FOR ADDITIONAL INFORMATION.

21 PROVIDE TWO(2) 42 U 4-POST FLOOR MOUNTED SERVER RACKS FOR HOUSING OF OWNER FURNISHED AND OWNER INSTALLED SERVER EQUIPMENT. COORDINATE RACK REQUIREMENTS AND FINAL MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN. COORDINATE MOUNTING OF 30AMP RECEPTACLES ON RACKS WITH OWNER PRIOR TO ROUGH-IN.

22 PROVIDE FEEDER FROM EXISTING TRANSFORMER TO NEW 'SED-1'. TRENCH EXTERIOR PORTION TO TUNNEL PORTION UNDER STAIRS. COORDINATE ROUTING WITH FIELD CONDITIONS PRIOR TO ROUGH-IN. SEE ONE-LINE DIAGRAM FOR MORE INFORMATION. AS A PART OF ALTERNATE 1: DEDUCT ALL MATERIALS AND WORK ASSOCIATED WITH FEEDER AND 'SED-1'.

23 PROVIDE ENCLOSED CIRCUIT BREAKER DISCONNECT TO SERVE AS NEW SERVICE ENTRANCE DISCONNECT. COORDINATE FINAL MOUNTING LOCATION WITH FIELD CONDITIONS AND OWNER PRIOR TO ROUGH-IN. SEE ONE-LINE DIAGRAM FOR MORE INFORMATION. AS A PART OF ALTERNATE 1: DEDUCT ALL WORK AND MATERIALS ASSOCIATED WITH 'SED-1' AND FEEDERS.

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL PLAN - BASEMENT LEVEL

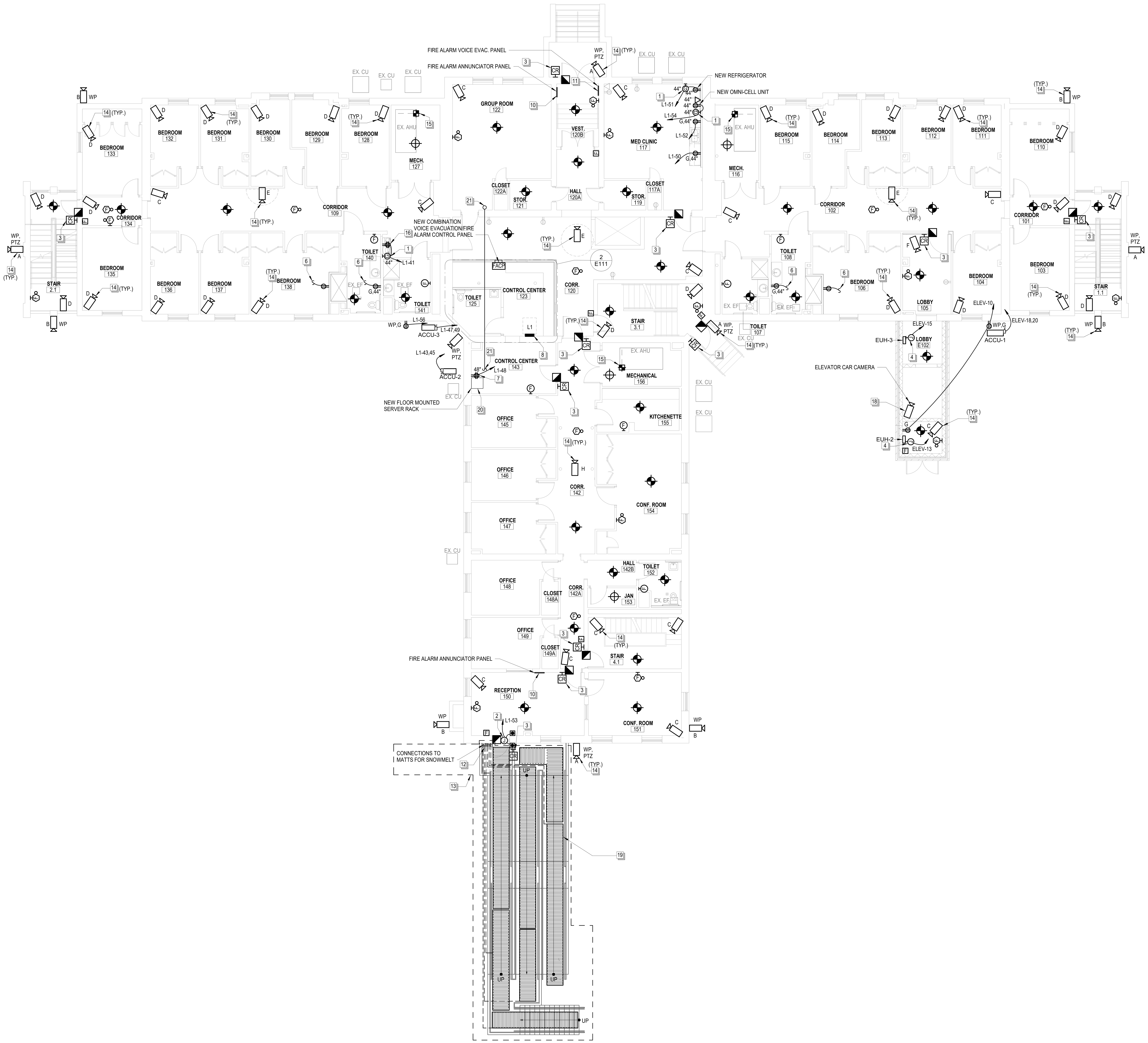
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

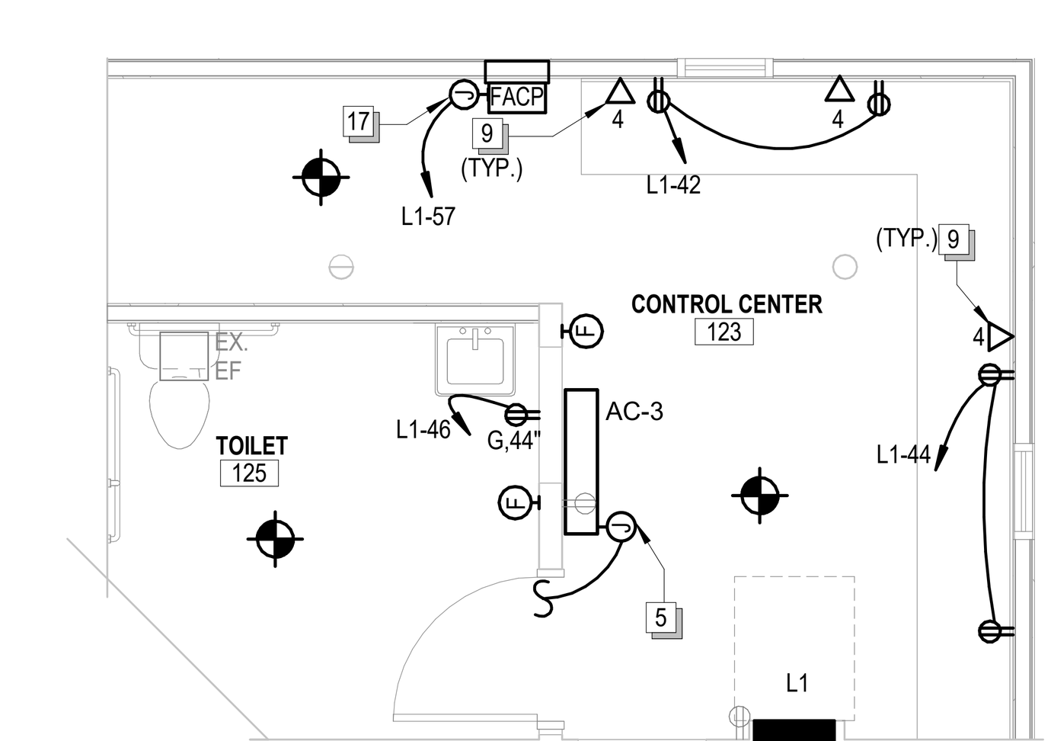
DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: E110



1 E111 ELECTRICAL PLAN - FIRST LEVEL
1/8" = 1'-0"
NORTH



2 E111 ENLARGED ELECTRICAL PLAN - CONTROL CENTER
1/4" = 1'-0"
NORTH

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED. HEAVY-LINED ITEMS INDICATE NEW WORK AS INDICATED.
4. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
5. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE. ALL EXISTING LUMINAIRES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED TO A LIKE-NEW CONDITION, THOROUGHLY CLEANED, AND RELAMPED.
6. ALL CEILING AND WALL MOUNTED OCCUPANCY SENSORS SHOWN ON LIGHTING PLAN SHALL BE DUAL-TECHNOLOGY TYPE.
7. ALL JUNCTION BOXES ABOVE CEILINGS, MUST BE INSTALLED ABOVE ACCESSIBLE CEILINGS. NO JUNCTION BOXES SHALL BE INSTALLED IN UN-ACCESSIBLE LOCATIONS WITHOUT AN ACCESS PANEL INSTALLED.

KEYNOTES

1 PROVIDE DEAD-FRONT GFCI DEVICE AND ASSOCIATED RECEPTACLE, IF APPLICABLE. PROVIDE PASS & SEYMOUR DEAD-FRONT REMOTE GFCI DEVICE, #2048W OR APPROVED EQUAL. MOUNT IN AN ACCESSIBLE AREA. PROVIDE CONNECTIONS AS INDICATED. PROVIDE COVER-PLATE WITH 1/4" ENGRAVED AND INKED LETTERS TO IDENTIFY EQUIPMENT SERVED. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.

2 PROVIDE FINAL CONNECTION TO AUTOMATIC DOOR OPERATOR AND INTERLOCK WITH ALL ASSOCIATED PUSHBUTTONS AND MOTION SENSING APPURTENANCES. COORDINATE ALL REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.

3 PROVIDE ROUGH-IN FOR SECURITY CARD READER AND ASSOCIATED SECURITY DOOR CONTACT LOCKS. COORDINATE ALL REQUIREMENTS WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLING AT NEAREST IT RACK PATCH PANEL. SEE ACCESS CONTROL DOOR DETAIL 2/E601 FOR ADDITIONAL INFORMATION.

4 DISCONNECT SWITCH IS PROVIDED BY EQUIPMENT MANUFACTURER INTEGRAL WITH EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT AND FINAL CONNECTION TO DISCONNECT SWITCH AS INDICATED.

5 PROVIDE FINAL CONNECTION TO DUCTLESS SPLIT SYSTEM INDOOR FAN UNIT. PROVIDE INTERCONNECTION BETWEEN OUTDOOR CONDENSER AND INDOOR WALL-MOUNTED FAN UNIT AS REQUIRED. COORDINATE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MAKE PROVISIONS AS NECESSARY. SEE 1/E111 FOR CONTINUATION AND CONDENSER LOCATION.

6 CIRCUIT NEW RECEPTACLE TO EXISTING CIRCUIT THAT SERVED SPACE PRIOR TO DEMOLITION. EXTEND EXISTING RACEWAY, AND CONDUCTORS AS NECESSARY FOR COMPLETE INSTALLATION.

7 COORDINATE FINAL MOUNTING LOCATION OF RECEPTACLE WITH OWNER FOR PROVIDING POWER TO WALL MOUNTED SERVER RACK.

8 COORDINATE WITH GENERAL CONTRACTOR TO PAINT AND PATCH AROUND NEW FLUSH MOUNTED PANELBOARD.

9 PROVIDE CAT-6 CABLING TO NEW DATA DROP LOCATION. SEE NUMBER BY DEVICE FOR NUMBER OF CABLES AND DROPS NEEDED AT LOCATION. TERMINATE CABLING AT NEAREST IT RACK PATCH PANEL. SEE COMMUNICATIONS DETAIL 3/E601 FOR ADDITIONAL INFORMATION.

10 PROVIDE NEW FIRE ALARM ANNUNCIATOR PANEL TIED BACK TO NEW FIRE ALARM CONTROL PANEL. COORDINATE FINAL MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.

11 PROVIDE NEW FIRE ALARM VOICE EVACUATION PANEL TIED BACK TO NEW FIRE ALARM CONTROL PANEL. COORDINATE FINAL MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.

12 PENETRATIONS FOR SNOWMELT RACEWAY TO BE MADE ABOVE GRADE UNDERNEATH NEW RAMP. NEW RACEWAY ROUTING SHALL BE IN LOOSE FILL OF NEW RAMP SYSTEM. COORDINATE REQUIREMENTS WITH GENERAL CONTRACTOR AND STRUCTURAL PRIOR TO ROUGH-IN.

13 AS A PART OF ALTERNATE 1: DEDUCT ALL WORK AND DEVICES ASSOCIATED WITH THE SNOWMELT SYSTEM WITHIN THE HATCHED AREA.

14 PROVIDE ROUGH-IN FOR SECURITY SURVEILLANCE CAMERA. COORDINATE ALL REQUIREMENTS, AIMING, AND EXACT LOCATION WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLING AT NEAREST IT RACK PATCH PANEL. SEE SECURITY CAMERA SCHEDULE FOR MORE INFORMATION.

15 DUCT SMOKE DETECTOR AND RELAY FOR HVAC UNIT SUPPLY FAN SHUTDOWN SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE A REMOTE KEYED TEST STATION WITH VISUAL STATUS ANNUNCIATOR WHEN DUCT SMOKE DETECTOR IS INSTALLED IN A CONCEALED LOCATION GREATER THAN 10'-0" ABOVE FINISHED FLOOR OR WHEN DUCT SMOKE DETECTOR'S STATUS INDICATORS ARE NOT READILY VISIBLE. COORDINATE LOCATION OF REMOTE KEYED TEST STATION WITH AUTHORITY HAVING JURISDICTION AND OWNER PRIOR TO ROUGH-IN. ALL FINAL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.

16 SEE ELECTRIC WATER COOLER DETAIL 8/E601 FOR ADDITIONAL INFORMATION.

17 PROVIDE A DEDICATED CIRCUIT TO NEW FIRE ALARM CONTROL PANEL. COORDINATE FINAL MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.

18 COORDINATE WITH GENERAL CONTRACTOR AND ELEVATOR MANUFACTURER ON REQUIREMENTS TO CONNECT ELEVATOR CAR CAMERA WITH BUILDING CAMERA SYSTEM. PROVIDE RACEWAY, SUPPORTS, AND CABLEING AS NEEDED FOR A COMPLETE INSTALLATION.

19 PROVIDE ELECTRIC RESISTANCE HEATING CABLING TO PROVIDE SNOW/ICE MELT FOR RAMP. CABLING SHALL BE ABLE TO BE EMBEDDED IN CONCRETE AND USED IN STAIR APPLICATIONS. PROVIDE CONTROL PANEL TO ALLOW MANUAL START AND STOP WITH SLAB TEMPERATURE CONTROL. COORDINATE WITH GENERAL CONTRACTOR AND STRUCTURAL FOR SYSTEM LAYOUT. CONSULT WITH MANUFACTURER ON SPECIFIC REQUIREMENTS. UTILIZE SUNTOUCH PROMELT SERIES SM & SC OR PRE-APPROVED EQUAL SYSTEM.

20 PROVIDE ONE(1) 42 U 2-POST SERVER RACK FOR HOUSING OF OWNER FURNISHED AND OWNER INSTALLED SERVER EQUIPMENT. COORDINATE RACK REQUIREMENTS AND FINAL MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.

21 PROVIDE 4" PENETRATION SLEEVE FROM FIRST FLOOR SERVER RACK TO SECOND FLOOR SERVER RACK. COORDINATE ROUTING OF SLEEVE WITH EXISTING FIELD CONDITIONS AND PLANNED NEW WORK PRIOR TO ROUGH-IN. COORDINATE MOUNTING HEIGHTS AND TERMINATION POINTS PRIOR TO INSTALLATION. WALL & FLOOR PENETRATIONS SHALL BE FIRESTOPPED. COORDINATE ALL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

VOLDENG BUILDING RENOVATIONS

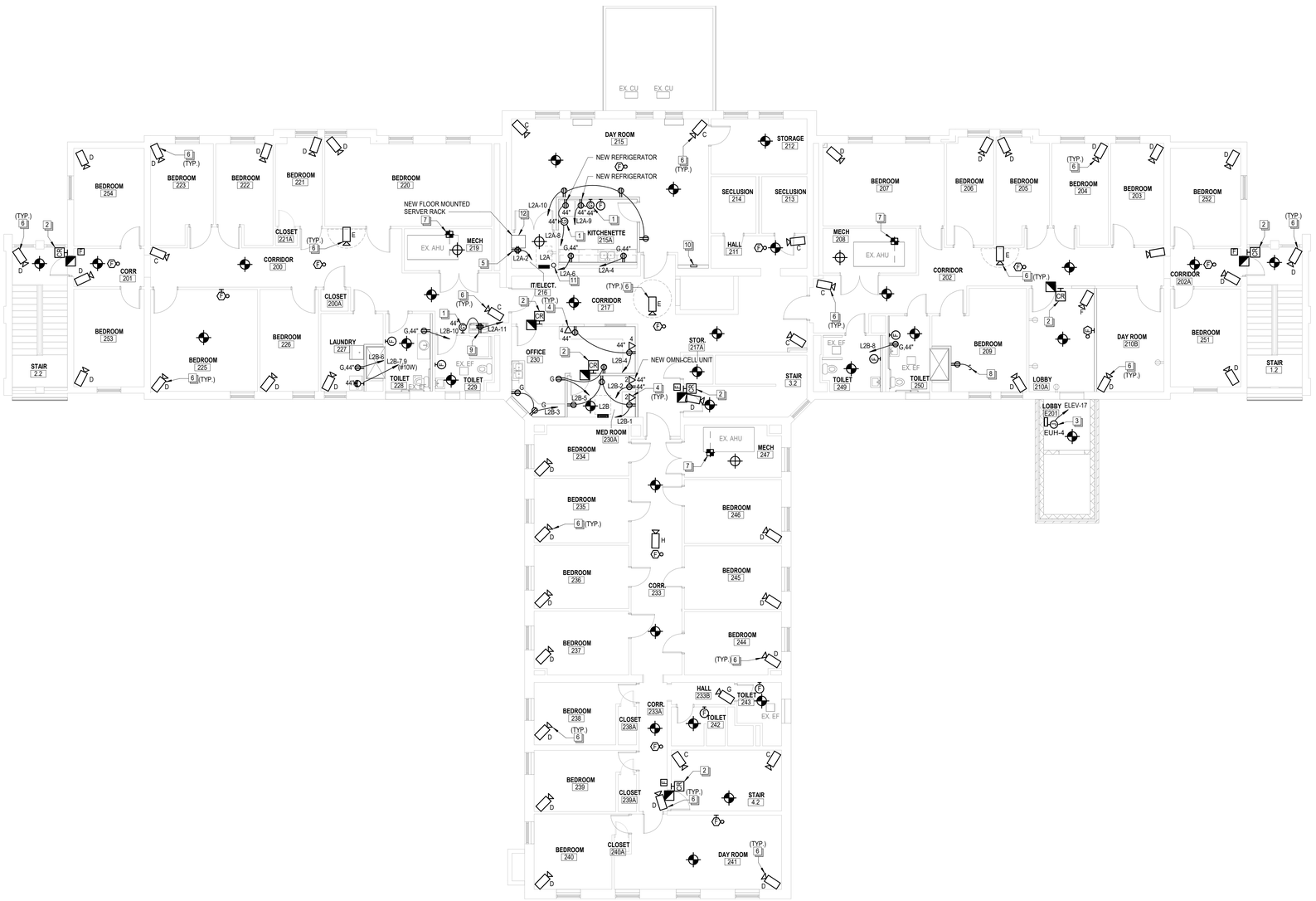
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: E111



1 E112 ELECTRICAL PLAN - SECOND LEVEL
1/8" = 1'-0"

NORTH

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED. HEAVY-LINED ITEMS INDICATE NEW WORK AS INDICATED.
4. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
5. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE. ALL EXISTING LUMINAIRES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED TO A LIKE-NEW CONDITION, THOROUGHLY CLEANED, AND RELAMPED.
6. ALL CEILING AND WALL MOUNTED OCCUPANCY SENSORS SHOWN ON LIGHTING PLAN SHALL BE DUAL-TECHNOLOGY TYPE.
7. ALL JUNCTION BOXES ABOVE CEILINGS, MUST BE INSTALLED ABOVE ACCESSIBLE CEILINGS. NO JUNCTION BOXES SHALL BE INSTALLED IN UN-ACCESSIBLE LOCATIONS WITHOUT AN ACCESS PANEL INSTALLED.

KEYNOTES

1 PROVIDE DEAD-FRONT GFCI DEVICE AND ASSOCIATED RECEPTACLE, IF APPLICABLE. PROVIDE PASS & SEYMOUR DEAD-FRONT REMOTE GFCI DEVICE, #2084IN OR APPROVED EQUAL. MOUNT IN AN ACCESSIBLE AREA. PROVIDE CONNECTIONS AS INDICATED. PROVIDE COVER-PLATE WITH 1/4" ENGRAVED AND INKED LETTERS TO IDENTIFY EQUIPMENT SERVED. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.

2 PROVIDE ROUGH-IN FOR SECURITY CARD READER AND ASSOCIATED SECURITY DOOR CONTACT LOCKS. COORDINATE ALL REQUIREMENTS WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLING AT NEAREST IT RACK PATCH PANEL. SEE ACCESS CONTROL DOOR DETAIL 2/E601 FOR ADDITIONAL INFORMATION.

3 DISCONNECT SWITCH IS PROVIDED BY EQUIPMENT MANUFACTURER INTEGRAL WITH EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT AND FINAL CONNECTION TO DISCONNECT SWITCH AS INDICATED.

4 PROVIDE CAT-6 CABLING TO NEW DATA DROP LOCATION. SEE NUMBER BY DEVICE FOR NUMBER OF CABLES AND DROPS NEEDED AT LOCATION. TERMINATE CABLING AT NEAREST IT RACK PATCH PANEL. SEE COMMUNICATIONS DETAIL 3/E601 FOR ADDITIONAL INFORMATION.

5 COORDINATE FINAL MOUNTING LOCATION OF RECEPTACLE WITH OWNER FOR PROVIDING POWER TO WALL MOUNTED SERVER RACK.

6 PROVIDE ROUGH-IN FOR SECURITY SURVEILLANCE CAMERA. COORDINATE ALL REQUIREMENTS, AIMING, AND EXACT LOCATION WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLING AT NEAREST IT RACK PATCH PANEL. SEE SECURITY CAMERA SCHEDULE FOR MORE INFORMATION.

7 DUCT SMOKE DETECTOR AND RELAY FOR HVAC UNIT SUPPLY FAN SHUTDOWN SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE A REMOTE KEYED TEST STATION WITH VISUAL STATUS ANNUNCIATOR WHEN DUCT SMOKE DETECTOR IS INSTALLED IN A CONCEALED LOCATION GREATER THAN 10'-0" ABOVE FINISHED FLOOR OR WHEN DUCT SMOKE DETECTOR'S STATUS INDICATORS ARE NOT READILY VISIBLE. COORDINATE LOCATION OF REMOTE KEYED TEST STATION WITH AUTHORITY HAVING JURISDICTION AND OWNER PRIOR TO ROUGH-IN. ALL FINAL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.

8 CIRCUIT NEW RECEPTACLE TO EXISTING CIRCUIT THAT SERVED SPACE PRIOR TO DEMOLITION. EXTEND EXISTING RACEWAY, AND CONDUCTORS AS NECESSARY FOR COMPLETE INSTALLATION.

9 SEE ELECTRIC WATER COOLER DETAIL 8/E601 FOR ADDITIONAL INFORMATION.

10 PROVIDE PULLBOX MOUNTED IN FURRED OUT WALL FOR EXTENSION OF EXISTING FEEDER FROM DEMOLISHED PANEL LOCATION TO NEW PANEL 'L2A' LOCATION. COORDINATE FINAL SIZE OF PULLBOX WITH EXISTING CONDITIONS PRIOR TO ROUGH-IN. SEE ONE-LINE DIAGRAM FOR MORE INFORMATION.

11 PROVIDE 4" PENETRATION SLEEVE FROM FIRST FLOOR SERVER RACK TO SECOND FLOOR SERVER RACK. COORDINATE ROUTING OF SLEEVE WITH EXISTING FIELD CONDITIONS AND PLANNED NEW WORK PRIOR TO ROUGH-IN. COORDINATE MOUNTING HEIGHTS AND TERMINATION POINTS PRIOR TO INSTALLATION. WALL & FLOOR PENETRATIONS SHALL BE FIRESTOPPED. COORDINATE ALL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

12 PROVIDE ONE(1) 42 U 2-POST SERVER RACK FOR HOUSING OF OWNER FURNISHED AND OWNER INSTALLED SERVER EQUIPMENT. COORDINATE RACK REQUIREMENTS AND FINAL MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.

DRAWN:	JDS		
DESIGNED:	JDS		
CHECKED:	PDS		
PROJ. MNGR:	MJM		
BY	DESCRIPTION	NO.	DATE
KPE	BID SET	0	09-01-2023

VOLDENG BUILDING RENOVATIONS

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: E112

GENERAL ELECTRICAL NOTES:

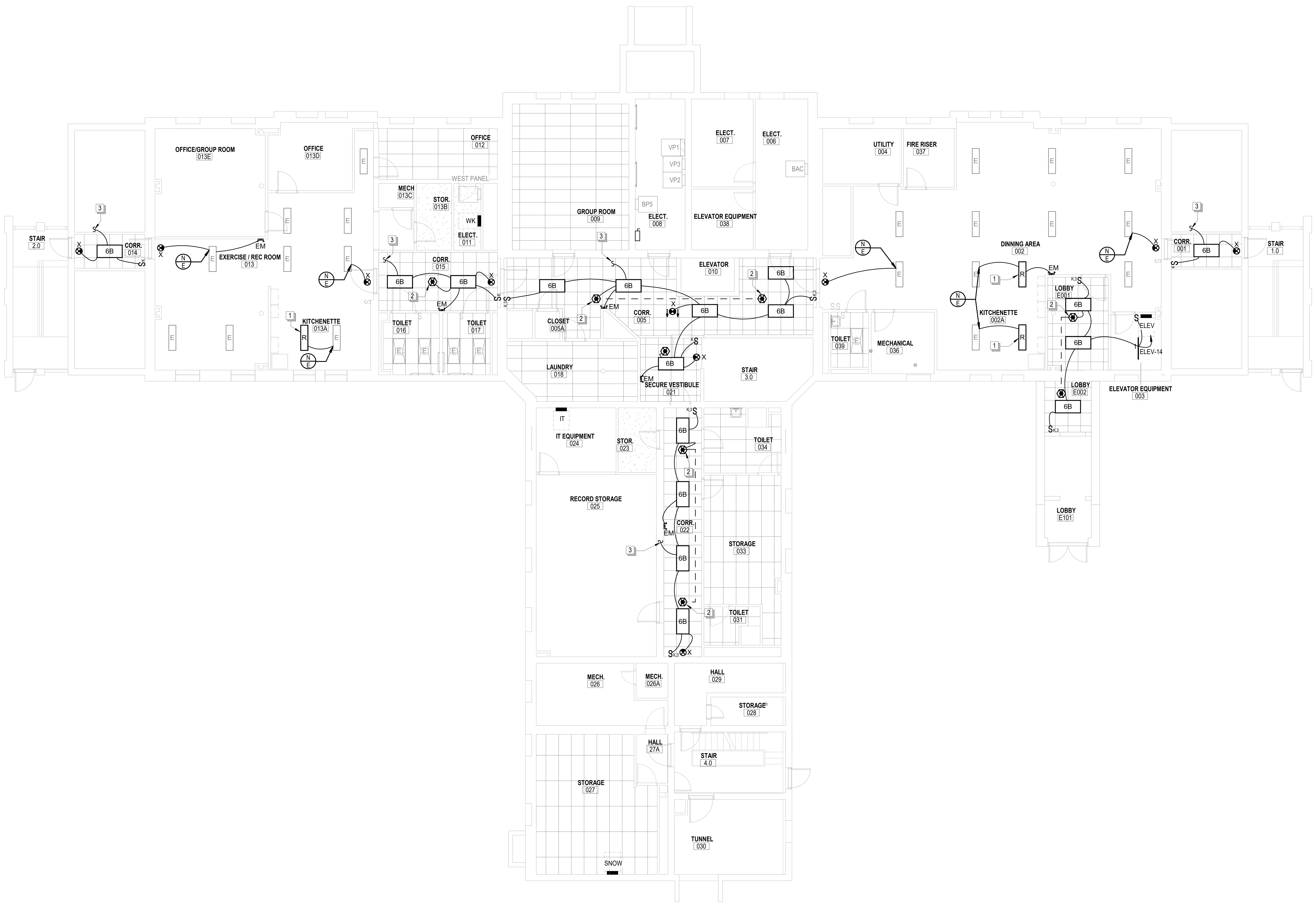
1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED. HEAVY-LINED ITEMS INDICATE NEW WORK AS INDICATED.
4. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
5. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE. ALL EXISTING LUMINAIRES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED TO A LIKE-NEW CONDITION, THOROUGHLY CLEANED, AND RELAMPED.
6. ALL CEILING AND WALL MOUNTED OCCUPANCY SENSORS SHOWN ON LIGHTING PLAN SHALL BE DUAL-TECHNOLOGY TYPE.
7. ALL JUNCTION BOXES ABOVE CEILINGS, MUST BE INSTALLED ABOVE ACCESSIBLE CEILINGS. NO JUNCTION BOXES SHALL BE INSTALLED IN UN-ACCESSIBLE LOCATIONS WITHOUT AN ACCESS PANEL INSTALLED.

KEYNOTES

1 RECONNECT EXISTING LUMINAIRE TO EXISTING CIRCUIT SERVING THIS LUMINAIRE PRIOR TO THE LUMINAIRE'S RELOCATION.

2 PROVIDE DUAL-TECHNOLOGY STYLE CEILING OR WALL MOUNTED OCCUPANCY SENSOR SWITCH.

3 CONNECT NEW LUMINAIRES TO EXISTING CIRCUIT THAT PREVIOUSLY SERVED SPACE PRIOR TO DEMOLITION. EXTEND RACEWAYS AND CONDUCTORS PRIOR AS NECESSARY TO PROVIDE A COMPLETE INSTALLATION.



1 E113 LIGHTING PLAN - BASEMENT LEVEL
1/8" = 1'-0"

NORTH

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

DRAWN: JDS
DESIGNED: JDS
CHECKED: PDS
PROJ. MNGR: MJM

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

LIGHTING PLAN - BASEMENT LEVEL

KPE ARCHITECTURE ENGINEERING FORENSICS
1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: E113

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED. HEAVY-LINED ITEMS INDICATE NEW WORK AS INDICATED.
4. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
5. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE. ALL EXISTING LUMINAIRES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED TO A LIKE-NEW CONDITION, THOROUGHLY CLEANED, AND RELAMPED.
6. ALL CEILING AND WALL MOUNTED OCCUPANCY SENSORS SHOWN ON LIGHTING PLAN SHALL BE DUAL-TECHNOLOGY TYPE.
7. ALL JUNCTION BOXES ABOVE CEILINGS, MUST BE INSTALLED ABOVE ACCESSIBLE CEILINGS. NO JUNCTION BOXES SHALL BE INSTALLED IN UN-ACCESSIBLE LOCATIONS WITHOUT AN ACCESS PANEL INSTALLED.

KEYNOTES

1 CONNECT NEW LUMINAIRES TO EXISTING CIRCUIT THAT PREVIOUSLY SERVED SPACE PRIOR TO DEMOLITION. EXTEND RACEWAYS AND CONDUCTORS PRIOR AS NECESSARY TO PROVIDE A COMPLETE INSTALLATION.

2 PROVIDE DUAL-TECHNOLOGY STYLE CEILING OR WALL MOUNTED OCCUPANCY SENSOR SWITCH.

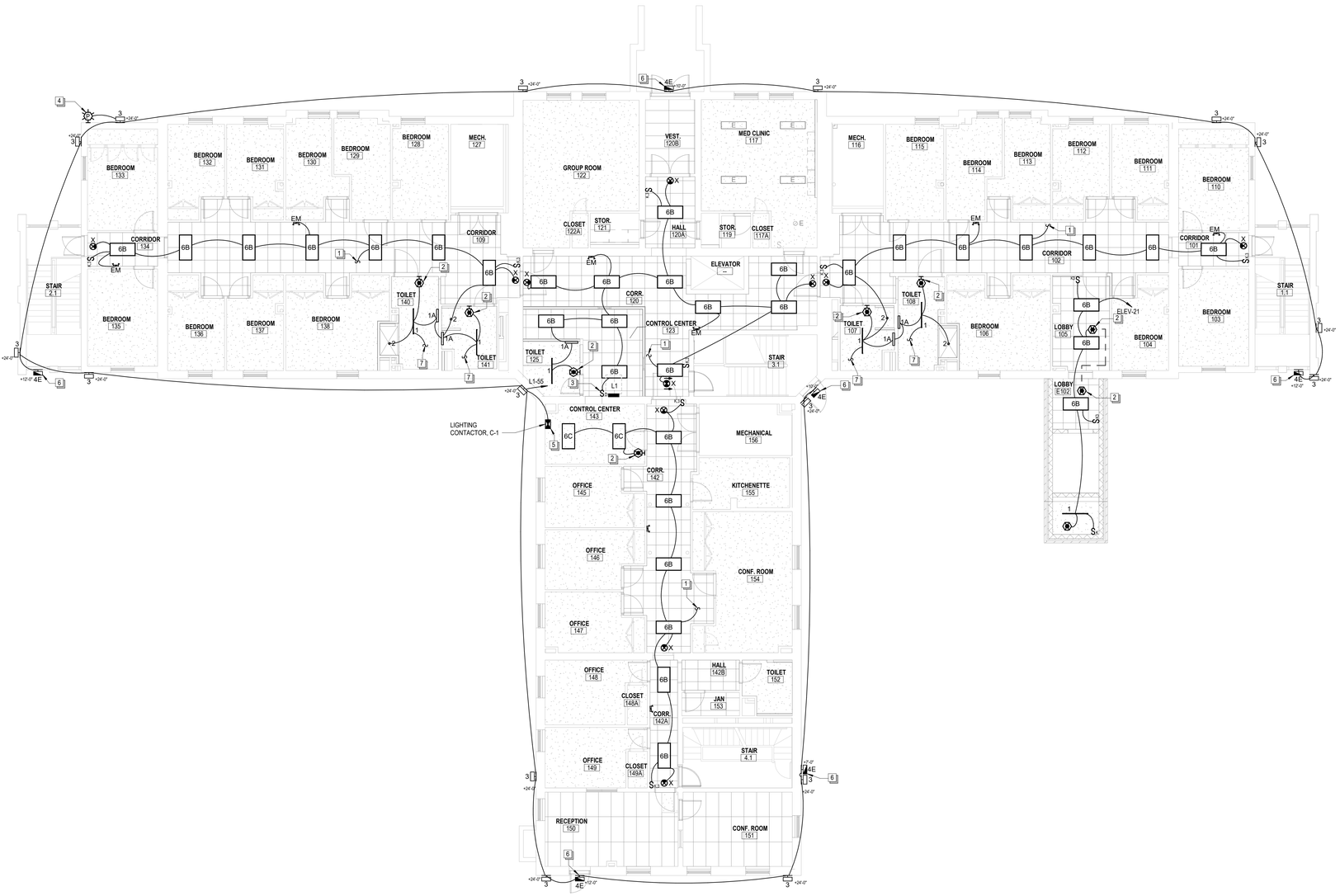
3 PROVIDE COMPATIBLE 0-10V DIMMER SWITCH FOR CONTROL OF ASSOCIATED LUMINAIRES AS SHOWN ON LIGHTING PLAN. COORDINATE LIST OF COMPATIBLE DIMMER SWITCHES WITH LIGHT FIXTURE MANUFACTURER PRIOR TO ORDERING OF MATERIALS.

4 PROVIDE PHOTOCELL ON NORTH SIDE OF BUILDING, MOUNTED AS HIGH AS POSSIBLE AND POINTED NORTH. PROVIDE INSTALLATION AND CONNECTION LIGHTING CONTACTOR(S) AS INDICATED IN DETAIL 9/E601

5 PROVIDE LIGHTING CONTACTOR "C-1" FOR AUTOMATIC SHUT-OFF CONTROL EXTERIOR LIGHTING LOADS. SEE LIGHTING CONTROL DETAIL 9/E601 FOR ADDITIONAL INFORMATION.

6 COORDINATE MOUNTING OF LIGHT FIXTURE ABOVE EXTERIOR DOORWAY. FIXTURE TO BE CENTERED ABOVE DOOR.

7 CONNECT TO EXHAUST FAN SERVING THIS ROOM FOR MANUAL CONTROL OF FAN. SEE 1/E111 FOR LOCATION OF EXHAUST FAN.



1 / E114 LIGHTING PLAN - FIRST LEVEL
1/8" = 1'-0"

NORTH

NO.	DESCRIPTION	DATE	BY
0	BID SET	09-01-2023	KPE

DRAWN: JDS
DESIGNED: JDS
CHECKED: PDS
PROJ. MNGR: MJM

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

LIGHTING PLAN - FIRST LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: E114

GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK.
3. LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED. HEAVY-LINED ITEMS INDICATE NEW WORK AS INDICATED.
4. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
5. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE. ALL EXISTING LUMINAIRES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED TO A LIKE-NEW CONDITION, THOROUGHLY CLEANED, AND RELAMPED.
6. ALL CEILING AND WALL MOUNTED OCCUPANCY SENSORS SHOWN ON LIGHTING PLAN SHALL BE DUAL-TECHNOLOGY TYPE.
7. ALL JUNCTION BOXES ABOVE CEILINGS, MUST BE INSTALLED ABOVE ACCESSIBLE CEILINGS. NO JUNCTION BOXES SHALL BE INSTALLED IN UN-ACCESSIBLE LOCATIONS WITHOUT AN ACCESS PANEL INSTALLED.

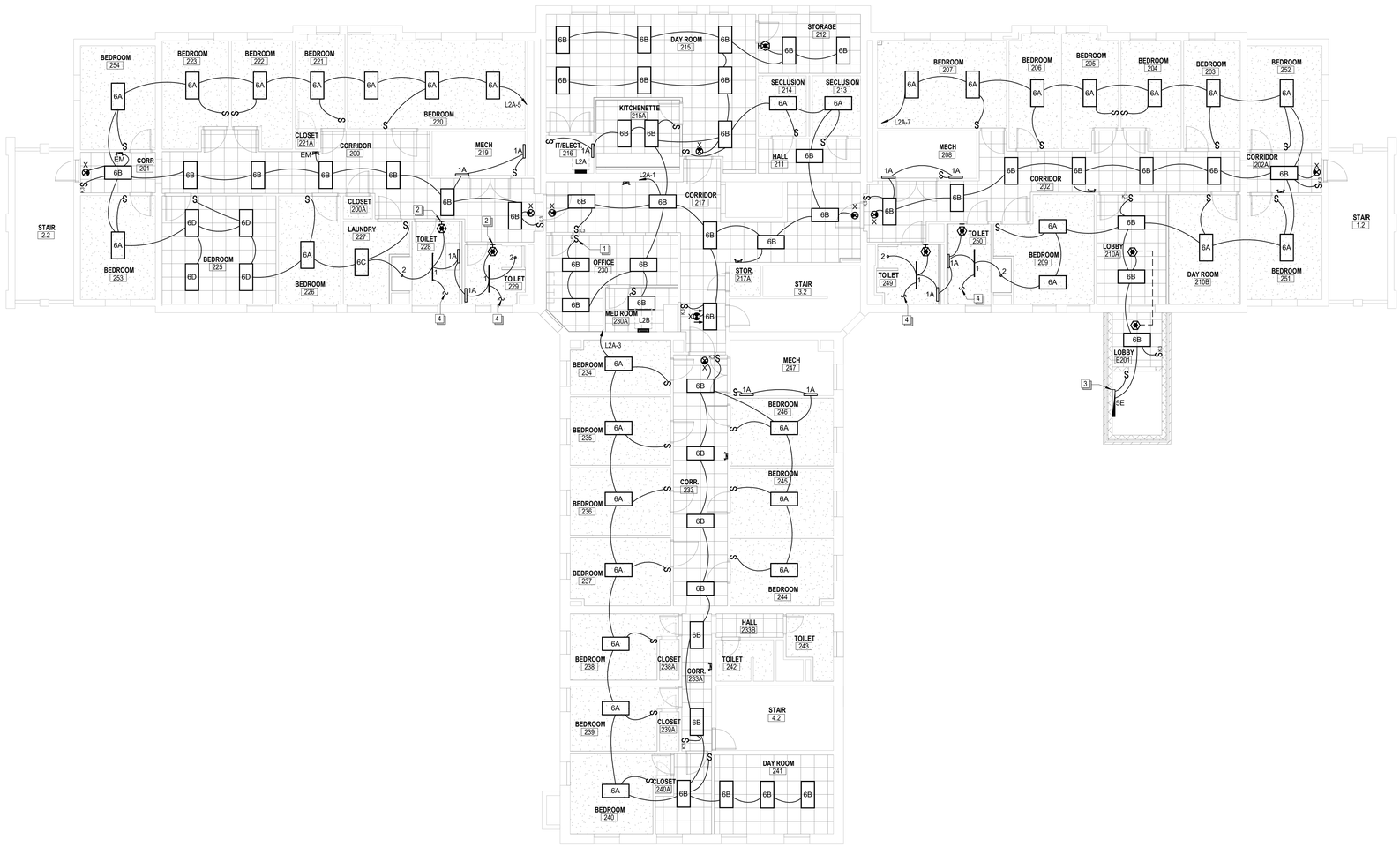
KEYNOTES

1 PROVIDE COMPATIBLE 0-10V DIMMER SWITCH FOR CONTROL OF ASSOCIATED LUMINAIRES AS SHOWN ON LIGHTING PLAN. COORDINATE LIST OF COMPATIBLE DIMMER SWITCHES WITH LIGHT FIXTURE MANUFACTURER PRIOR TO ORDERING OF MATERIALS.

2 PROVIDE DUAL-TECHNOLOGY STYLE CEILING OR WALL MOUNTED OCCUPANCY SENSOR SWITCH.

3 PROVIDE ELEVATOR SHAFT LIGHT AND SWITCH AT TOP OF SHAFT FOR MAINTENANCE. COORDINATE FINAL MOUNTING LOCATION OF LIGHT FIXTURE WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN TO AVOID ELEVATOR SUPPORTS.

4 CONNECT TO EXHAUST FAN SERVING THIS ROOM. SEE 1/E112 FOR LOCATION OF EXHAUST FAN.



1 E115 LIGHTING PLAN - SECOND LEVEL
1/8" = 1'-0"

NORTH

	DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
	JDS	JDS	PDS	MJM

NO.	DESCRIPTION	BY
0	BID SET	KPE

DATE: 09-01-2023

VOLDENG BUILDING RENOVATIONS

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

LIGHTING PLAN - SECOND LEVEL

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: E115

ELECTRICAL NOTES:

1. PROVIDE CARD READER ROUGH-IN ON EXTERIOR SALLY PORT DOOR. COORDINATE FINAL DEVICE REQUIREMENTS AND LOCATION WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN.

2. PROVIDE 2" CONDUIT WITH PULLSTRING FROM SALLY PORT CARD READER TO INTERIOR. COORDINATE ROUTING WITH FIELD CONDITIONS, AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.

NORTH

1 / E201 ELECTRICAL SITE PLAN
1" = 20'-0"

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

VOLDENG BUILDING RENOVATIONS

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL SITE PLAN

KPE
ARCHITECTURE
ENGINEERING
FORENSICS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

DATE: 09-01-2023

JOB NUMBER: 257-014

SHEET: E201

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

MARK	GENERAL ELECTRICAL DATA									DISCONNECT					STARTER					CONTROL (NOTE 4)												NOTES
	APPROX HP (KW)	ELEC HEAT KW	FULL LOAD AMP (FLA)	MIN CIR AMPACITY (MCA)	MAX OCPD SIZE (MOCP)	NAMEPLATE VOLTAGE	PHASE	FEEDER (SEE CONDUCTOR & CONDUIT SCHEDULE)	AVAILABLE AIC (NOTE 1)	SIZE	NEMA ENCLOSURE TYPE	RESPONSIBILITY	LOCATION	SWITCH TYPE (NOTE 2)	SIZE	NEMA ENCLOSURE TYPE	RESPONSIBILITY	LOCATION	STARTER TYPE (NOTE 3)	H-O-A	TOGGLE SWITCH	OCCUPANCY SENSOR	SWITCHED LTG CIRCUIT	AUXILIARY CONTACT	TIMECLOCK	BAS	TIME DELAY SWITCH	DUCT SMOKE DETECTOR	CO2/TEMP SENSOR	THERMOSTAT	CONTROL WIRING BY	
AC-1/ACCU-1	--	--	10.5	13.2	20	208	1	A20		30/2	3R	E	U	NF	--	3R	X	U	INT											M	M	
AC-2/ACCU-2	--	--	6.2	7.7	15	208	1	A20		30/2	3R	E	U	NF	--	3R	X	U	INT											M	M	
AC-3/ACCU-3	--	--	6.2	7.7	15	208	1	A20		30/2	3R	E	U	NF	--	3R	X	U	INT											M	M	
EUH-1	--	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	--	1	X	U	INT											M	M	
EUH-2	--	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	--	1	X	U	INT											M	M	
EUH-3	--	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	--	1	X	U	INT											M	M	
EUH-4	--	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	--	1	X	U	INT											M	M	
SP-1	--	--	.5	0.6	15	120	1	A20		20A	1	X	U	CP	--	1	X	U	INT												M	

GENERAL NOTES:

A. RESPONSIBILITY PROVISIONS: E = BY ELECTRICAL; M = BY MECHANICAL; X = BY MANUFACTURER.
B. LOCATION DESIGNATIONS: U = INTEGRAL OR NEAR UNIT; R = REMOTE LOCATION, SEE ADDITIONAL NOTES.
C. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS FOR ALL 120V CONTROL DEVICES. MECHANICAL CONTRACTOR TO FURNISH AND COORDINATE ALL CONNECTIONS OF DEVICES.

SCHEDULE NOTES:

1.) MANUFACTURER TO PROVIDE EQUIPMENT WITH A LISTED AND LABELED SHORT CIRCUIT CURRENT (KAIC) RATING GREATER THAN THE AVAILABLE FAULT CURRENT SHOWN PER NEC 440.4(B).
2.) DISCONNECT SWITCH TYPE CODE DESIGNATORS: F = FUSED; NF = NONFUSED; PF = PLUG FUSE BOX COVER UNIT; CP = CORD AND PLUG; CB = CIRCUIT BREAKER; TS = MOTOR-RATED TOGGLE SWITCH; CMS = COMBINATION MOTOR STARTER.
3.) STARTER TYPE CODE DESIGNATORS: M = MANUAL; INT = INTEGRAL; VFD = VARIABLE FREQUENCY DRIVE; FVNR = FULL VOLTAGE NON-REVERSING; FVR = FULL VOLTAGE REVERSING; SSR = SOFT START REVERSING; SSNR = SOFT START NON-REVERSING.
4.) MECHANICAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE EQUIPMENT CONNECTION AND CONTROL REQUIREMENTS.

PANEL NAME: IT   STATUS: New Construction   LOCATION: IT EQUIPMENT 024

MANUFACTURER / TYPE: SQUARE-D, NQ
ENCLOSURE: NEMA 1
MOUNTING: SURFACE
NO. OF POLES: 30
BUS MATERIAL: COPPER
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
SUPPLIED FROM: VP1
A.I.C. RATING: 22,000 A
MAIN TYPE: MLO
MAIN BUS RATING: 225 A
MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	NOTES	CB	POLES	A		B		C		POLES	CB	NOTES	CIRCUIT DESCRIPTION	CKT
1	IT RACK 30AMP RECEPTACLE		30 A	1	2000...	180 VA					1	20 A		IT 024 E RECEPTACLE	2
3	IT RACK 30AMP RECEPTACLE		30 A	1			2000...	180 VA			1	20 A		IT 024 S RECEPTACLE	4
5	SPARE		20 A	1					0 VA	180 VA	1	20 A		IT 024 N RECEPTACLE	6
7	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	8
9	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	10
11	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	12
13	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	14
15	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	16
17	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	18
19	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	20
21	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	22
23	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	24
25	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	26
27	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	28
29	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	30
				TOTAL LOAD:	2180 VA		2180 VA		180 VA						
				TOTAL AMPS:	21 A		21 A		2 A						

LOAD CLASSIFICATION:	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Receptacle	4540 VA	100.00%	4540 VA		
				TOTAL CONN. LOAD:	4540 VA
				TOTAL EST. DEMAND:	4540 VA
				TOTAL CONN. SPARE CAPACITY:	
				TOTAL CONN. CURRENT:	13 A
				TOTAL EST. DEMAND CURRENT:	13 A
				NON-COINCIDENTAL HVAC:	0 A
				TOTAL EST. DEMAND (-) NC:	13 A

PANEL SCHEDULE NOTES:

PANEL NAME: SNOW   STATUS: New Construction   LOCATION: STORAGE 027

MANUFACTURER / TYPE: SQUARE-D, NQ
ENCLOSURE: TYPE 1
MOUNTING: SURFACE
NO. OF POLES: 30
BUS MATERIAL: COPPER
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
SUPPLIED FROM: VP1
A.I.C. RATING: 10,000 A
MAIN TYPE: MLO
MAIN BUS RATING: 225 A
MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	NOTES	CB	POLES	A		B		C		POLES	CB	NOTES	CIRCUIT DESCRIPTION	CKT
1	SNOWMELT MATT 15FT	1	20 A	3	1297...	2594...					3	30 A	1,2	SNOWMELT MATT 30FT	2
3	--		--	--			1297...	2594...			--	--		--	4
5	--		--	--					1297...	2594...	--	--		--	6
7	SNOWMELT MATT 20FT	1	20 A	3	1730...	2594...					3	30 A	1,2	SNOWMELT MATT 30FT	8
9	--		--	--			1730...	2594...			--	--		--	10
11	--		--	--					1730...	2594...	--	--		--	12
13	SNOWMELT MATT 20FT	1	20 A	3	1730...	2594...					3	30 A	1,2	SNOWMELT MATT 30FT	14
15	--		--	--			1730...	2594...			--	--		--	16
17	--		--	--					1730...	2594...	--	--		--	18
19	SNOWMELT MATT 25FT	1,2	30 A	3	2162...	--					1	--		PREPARED SPACE	20
21	--		--	--			2162...	--			1	--		PREPARED SPACE	22
23	--		--	--					2162...	--	1	--		PREPARED SPACE	24
25	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	26
27	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	28
29	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	30
				TOTAL LOAD:	14701 VA		14701 VA		14701 VA						
				TOTAL AMPS:	123 A		123 A		123 A						

LOAD CLASSIFICATION:	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Spare	44103 VA	100.00%	44103 VA		
				TOTAL CONN. LOAD:	44103 VA
				TOTAL EST. DEMAND:	44103 VA
				TOTAL CONN. SPARE CAPACITY:	122 A
				TOTAL CONN. CURRENT:	122 A
				TOTAL EST. DEMAND CURRENT:	122 A
				NON-COINCIDENTAL HVAC:	0 A
				TOTAL EST. DEMAND (-) NC:	122 A

PANEL SCHEDULE NOTES:

GENERAL NOTE: AS A PART OF ALTERNATE #1, DEDUCT PANEL FROM BID.
1. PROVIDE 'GFCI' STYLE CIRCUIT BREAKER.
2. PROVIDE FEEDER WITH #10AWG WIRE.

PANEL NAME: L2A   STATUS: New Construction   LOCATION: IT/ELECT. 216

MANUFACTURER / TYPE: SQUARE-D, NQ
ENCLOSURE: NEMA 1
MOUNTING: SURFACE
NO. OF POLES: 42
BUS MATERIAL: COPPER
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
SUPPLIED FROM: VP1
A.I.C. RATING: 22,000 A
MAIN TYPE: MLO
MAIN BUS RATING: 225 A
MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	NOTES	CB	POLES	A		B		C		POLES	CB	NOTES	CIRCUIT DESCRIPTION	CKT
1	CENTER TOWER LIGHTING		20 A	1	1215...	360 VA					1	20 A		IT/ELECT 216 SERVER RACK	2
3	WEST WING LIGHTING		20 A	1			1043...	180 VA			1	20 A		KITCHEN 215A E COUNTER RECEPT	4
5	NORTH WING LIGHTING		20 A	1					1263...	180 VA	1	20 A		KITCHEN 215A W COUNTER RECEPT	6
7	SOUTH WING LIGHTING		20 A	1	1301...	830 VA					1	20 A		KITCHENETTE 215A FRIDGE	8
9	KITCHENETTE 215A FRIDGE		20 A	1			830 VA	540 VA			1	20 A		DAY ROOM 215 SOUTH RECEPTS	10
11	ELECTRICAL WATER COOLER		20 A	1					360 VA	500 VA	1	20 A	1,2	EXISTING LOAD FROM "L2A"	12
13	EXISTING LOAD FROM "K"	1,2	20 A	1	500 VA	500 VA					1	20 A	1,2	EXISTING LOAD FROM "L2A"	14
15	EXISTING LOAD FROM "K"	1,2	20 A	1			500 VA	500 VA			1	20 A	1,2	EXISTING LOAD FROM "L2A"	16
17	EXISTING LOAD FROM "L2A"	1,2	20 A	1					500 VA	500 VA	1	20 A	1,2	EXISTING LOAD FROM "L2A"	18
19	EXISTING LOAD FROM "L2A"	1,2	20 A	1	500 VA	500 VA					1	20 A	1,2	EXISTING LOAD FROM "L2A"	20
21	EXISTING LOAD FROM "L2A"	1,2	20 A	1			500 VA	500 VA			1	20 A	1,2	EXISTING LOAD FROM "L2A"	22
23	EXISTING LOAD FROM "L2A"	1,2	20 A	1					500 VA	500 VA	1	20 A	1,2	EXISTING LOAD FROM "L2A"	24
25	EXISTING LOAD FROM "L2A"	1,2	20 A	1	300 VA	300 VA					1	20 A	1,2	EXISTING LOAD FROM "L2A"	26
27	EXISTING LOAD FROM "L2A"	1,2	20 A	1			300 VA	300 VA			1	20 A	1,2	EXISTING LOAD FROM "L2A"	28
29	EXISTING LOAD FROM "L2A"	1,2	20 A	1					300 VA	300 VA	1	20 A	1,2	EXISTING LOAD FROM "L2A"	30
31	EXISTING LOAD FROM "L2A"	1,2	20 A	1	300 VA	300 VA					1	20 A	1,2	EXISTING LOAD FROM "L2A"	32
33	EXISTING LOAD FROM "L2A"	1,2	20 A	1			300 VA	300 VA			1	20 A	1,2	EXISTING LOAD FROM "L2A"	34
35	EXISTING LOAD FROM "L2A"	1,2	20 A	1					300 VA	300 VA	1	20 A	1,2	EXISTING LOAD FROM "L2A"	36
37	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	38
39	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	40
41	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	42
				TOTAL LOAD:	6906 VA		5793 VA		5503 VA						
				TOTAL AMPS:	58 A		49 A		46 A						

LOAD CLASSIFICATION:	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Kitchen Equipment - Non-Dwelling Unit	1660 VA	100.00%	1660 VA		
Lighting	4662 VA	125.00%	5828 VA	TOTAL CONN. LOAD:	18202 VA
Lighting - Dwelling Unit	160 VA	100.00%	160 VA	TOTAL EST. DEMAND:	19368 VA
Other	0 VA	0.00%	0 VA	TOTAL CONN. SPARE CAPACITY:	28 A
Receptacle	1620 VA	100.00%	1620 VA	TOTAL CONN. CURRENT:	51 A
Spare	10100 VA	100.00%	10100 VA	TOTAL EST. DEMAND CURRENT:	54 A
				NON-COINCIDENTAL HVAC:	0 A
				TOTAL EST. DEMAND (-) NC:	54 A

PANEL SCHEDULE NOTES:

1. PROVIDE NEW BREAKER AS SHOWN FOR RE-CIRCUITING OF RELOCATED CIRCUITS FROM DEMOLISHED PANEL AS SHOWN. CIRCUIT TRACE EXISTING CIRCUITS TO PROPERLY LABEL NEW PANEL DIRECTORY. IF TWO RELOCATED CIRCUITS ARE LIGHTLY LOADED, COMBINE CIRCUITS AND CONNECT TO NEW BREAKER. IF CIRCUITS ARE NOT IN USE, LABEL NEW BREAKER AS 'SPARE'.
2. EXISTING LOAD IS ESTIMATED.

PANEL NAME: L2B   STATUS: New Construction   LOCATION: MED ROOM 230A

MANUFACTURER / TYPE: SQUARE-D, NQ
ENCLOSURE: NEMA 1
MOUNTING: FLUSH
NO. OF POLES: 42
BUS MATERIAL: COPPER
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
SUPPLIED FROM: VP1
A.I.C. RATING: 22,000 A
MAIN TYPE: MLO
MAIN BUS RATING: 225 A
MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	NOTES	CB	POLES	A		B		C		POLES	CB	NOTES	CIRCUIT DESCRIPTION	CKT
1	MED ROOM 230A RECEPTS		20 A	1	540 VA	180 VA					1	20 A		MED ROOM 230A OMNI-CELL	2
3	OFFICE 230 SW COUNTER RECEPTS		20 A	1			360 VA	360 VA			1	20 A		OFFICE 230 NE COUNTER RECEPTS	4
5	OFFICE 230 SE RECEPTS		20 A	1					360 VA	180 VA	1	20 A		LAUNDRY 227 WASHER	6
7	LAUNDRY 227 DRYER		40 A	2	2500...	180 VA					1	20 A		TOILET 250 RECEPTACLE	8
9	--		--	--			2500...	180 VA			1	20 A		TOILET 228 RECEPTACLE	10
11	EXISTING LOAD FROM "L2B"	1,2	20 A	1					500 VA	500 VA	1	20 A	1,2	EXISTING LOAD FROM "L2B"	12
13	EXISTING LOAD FROM "L2B"	1,2	20 A	1	500 VA	500 VA					1	20 A	1,2	EXISTING LOAD FROM "L2B"	14
15	EXISTING LOAD FROM "L2B"	1,2	20 A	1			500 VA	500 VA			1	20 A	1,2	EXISTING LOAD FROM "L2B"	16
17	EXISTING LOAD FROM "L2B"	1,2	20 A	1					500 VA	500 VA	1	20 A	1,2	EXISTING LOAD FROM "L2B"	18
19	EXISTING LOAD FROM "L2B"	1,2	20 A	1	500 VA	500 VA					1	20 A	1,2	EXISTING LOAD FROM "L2B"	20
21	EXISTING LOAD FROM "L2B"	1,2	20 A	1			500 VA	500 VA			1	20 A	1,2	EXISTING LOAD FROM "L2B"	22
23	EXISTING LOAD FROM "L2B"	1,2	20 A	1					500 VA	500 VA	1	20 A	1,2	EXISTING LOAD FROM "L2B"	24
25	EXISTING LOAD FROM "L2B"	1,2	20 A	1	500 VA	500 VA					1	20 A	1,2	EXISTING LOAD FROM "L2B"	26
27	EXISTING LOAD FROM "L2B"	1,2	20 A	1			500 VA	500 VA			1	20 A	1,2	EXISTING LOAD FROM "L2B"	28
29	EXISTING LOAD FROM "L2B"	1,2	20 A	1					500 VA	500 VA	1	20 A	1,2	EXISTING LOAD FROM "L2B"	30
31	EXISTING LOAD FROM "L2B"	1,2	20 A	1	300 VA	300 VA					1	20 A	1,2	EXISTING LOAD FROM "L2B"	32
33	EXISTING LOAD FROM "L2B"	1,2	20 A	1			300 VA	300 VA			1	20 A	1,2	EXISTING LOAD FROM "L2B"	34
35	EXISTING LOAD FROM "L2B"	1,2	20 A	1					300 VA	300 VA	1	20 A	1,2	EXISTING LOAD FROM "L2B"	36
37	EXISTING LOAD FROM "L2B"	1,2	20 A	1	300 VA	300 VA					1	20 A	1,2	EXISTING LOAD FROM "L2B"	38
39	EXISTING LOAD FROM "L2B"	1,2	20 A	1			300 VA	1000...			2	30 A	1,2	EXISTING LOAD FROM "L2B"	40
41	EXISTING LOAD FROM "L2B"	1,2	20 A	1					300 VA	1000...	--	--		--	42
				TOTAL LOAD:	7600 VA		8300 VA		6440 VA						
				TOTAL AMPS:	65 A		71 A		54 A						

LOAD CLASSIFICATION:	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Other	5000 VA	100.00%	5000 VA		
Receptacle	2340 VA	100.00%	2340 VA	TOTAL CONN. LOAD:	22340 VA
Spare	15000 VA	100.00%	15000 VA	TOTAL EST. DEMAND:	22340 VA
				TOTAL CONN. SPARE CAPACITY:	42 A
				TOTAL CONN. CURRENT:	62 A
				TOTAL EST. DEMAND CURRENT:	62 A
				NON-COINCIDENTAL HVAC:	0 A
				TOTAL EST. DEMAND (-) NC:	62 A

PANEL SCHEDULE NOTES:

1. PROVIDE NEW BREAKER AS SHOWN FOR RE-CIRCUITING OF RELOCATED CIRCUITS FROM DEMOLISHED PANEL AS SHOWN. CIRCUIT TRACE EXISTING CIRCUITS TO PROPERLY LABEL NEW PANEL DIRECTORY. IF TWO RELOCATED CIRCUITS ARE LIGHTLY LOADED, COMBINE CIRCUITS AND CONNECT TO NEW BREAKER. IF CIRCUITS ARE NOT IN USE, LABEL NEW BREAKER AS 'SPARE'.
2. EXISTING LOAD IS ESTIMATED.

PANEL NAME: ELEV   STATUS: New Construction   LOCATION: ELEVATOR...

MANUFACTURER / TYPE: SQUARE-D, NQ
ENCLOSURE: NEMA 1
MOUNTING: SURFACE
NO. OF POLES: 30
BUS MATERIAL: COPPER
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
SUPPLIED FROM: VP1
A.I.C. RATING: 10,000 A
MAIN TYPE: MLO
MAIN BUS RATING: 225 A
MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	NOTES	CB	POLES	A		B		C		POLES	CB	NOTES	CIRCUIT DESCRIPTION	CKT
1	DINING 2 COUNTER RECEPT.		20 A	1	180 VA	180 VA					1	20 A		DINING 2 COUNTER RECEPT.	2
3	DINING 2 COUNTER RECEPT.		20 A	1			180 VA	180 VA			1	20 A		DINING 2 COUNTER RECEPT.	4
5	DINING AREA 2 FRIDGE		20 A	1					830 VA	360 VA	1	20 A		LOBBY E001 RECEPTS.	6
7	DINING AREA 2 RANGE		50 A	2	4000...	218 VA					1	20 A		ELEVATOR PIT LIGHTS AND RECEPT.	8
9	--		--	--			4000...	360 VA			1	20 A		ELEV. EXTER. & OUTER LOBBY...	10
11	EUH-1		20 A	1					1500...	360 VA	1	20 A		ELEV. ROOM RECEPTS	12
13	EUH-2		20 A	1	1500...	187 VA					1	20 A		ELEV. ROOM LIGHTING	14
15	EUH-3		20 A	1			1500...	400 VA			1	20 A		ELEV. CAR LIGHTING	16
17	EUH-4		20 A	1					1500...	1092...	2	20 A		AC-1/ACCU-1	18
19	SP-1		20 A	1	180 VA	1092...					--	--		--	20
21	ELEVATOR 1ST FLR. LOBBY LIGHTS		20 A	1			187 VA	--			1	--		PREPARED SPACE	22
23	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	24
25	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	26
27	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	28
29	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	30
				TOTAL LOAD:	7537 VA		6807 VA		5642 VA						
				TOTAL AMPS:	64 A		58 A		47 A						

LOAD CLASSIFICATION:	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Heating	6000 VA	125.00%	7500 VA		
Kitchen Equipment - Non-Dwelling Unit	830 VA	100.00%	830 VA	TOTAL CONN. LOAD:	19986 VA
Lighting	332 VA	125.00%	415 VA	TOTAL EST. DEMAND:	21569 VA
Lighting - Dwelling Unit	80 VA	100.00%	80 VA	TOTAL CONN. SPARE CAPACITY:	1 A
Other	8000 VA	100.00%	8000 VA	TOTAL CONN. CURRENT:	55 A
Power	2184 VA	100.00%	2184 VA	TOTAL EST. DEMAND CURRENT:	60 A
Receptacle	2160 VA	100.00%	2160 VA	NON-COINCIDENTAL HVAC:	0 A
Spare	400 VA	100.00%	400 VA	TOTAL EST. DEMAND (-) NC:	60 A

PANEL SCHEDULE NOTES:

PANEL NAME: L1   STATUS: New Construction   LOCATION: CONTROL CENTE...

MANUFACTURER / TYPE: SQUARE-D, NQ
ENCLOSURE: NEMA 1
MOUNTING: FLUSH
NO. OF POLES: 60
BUS MATERIAL: COPPER
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
SUPPLIED FROM: VP1
A.I.C. RATING: 22,000 A
MAIN TYPE: MLO
MAIN BUS RATING: 225 A
MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	NOTES	CB	POLES	A		B		C		POLES	CB	NOTES	CIRCUIT DESCRIPTION	CKT
1	EX. W. HALLAY RECEPTS	1,2	20 A	1	720 VA	500 VA					1	20 A	1,2	EX. SW ROOM LIGHTS	2
3	EX. 2ND W. RESTROOM	1,2	20 A	1			180 VA	500 VA			1	20 A	1,2	EX. SE ROOM LIGHTS	4
5	EX. 1ST W. RESTROOM	1,2	20 A	1					180 VA	720 VA	1	20 A	1,2	EX. SW ROOM RECEPTS	6
7	EX. 1ST E. RESTROOM	1,2	20 A	1	180 VA	1000...					1	20 A	1,2	EX. LOBBY LIGHTS	8
9	EX. 2ND E. RESTROOM	1,2	20 A	1			180 VA	500 VA			1	20 A	1,2	EX. MED ROOM/EXAM ROOM LIGHTS	10
11	EX. NE ROOM LIGHTS	1,2	20 A	1					1000...	720 VA	1	20 A	1,2	EX. S. HALLWAY RECEPTS	12
13	EX. FRONT E. HALLWAY RECEPTS	1,2	20 A	1	720 VA	720 VA					1	20 A	1,2	EX. SE ROOM RECEPTS	14
15	EX. E. HALLWAY LIGHTS	1,2	20 A	1			1000...	500 VA			1	20 A	1,2	EX. LOAD SERVED	16
17	EX. E. FURNACE LTG/REC	1,2	20 A	1					1000...	500 VA	1	20 A	1,2	EX. W. FURNACE LIGHTS	18
19	EX. LOAD SERVED	1,2	20 A	1	500 VA	720 VA					1	20 A	1,2	EX. CONFERENCE ROOM RECEPTS	20
21	EX. E. END HALLWAY RECEPTS	1,2	20 A	1			720 VA	500 VA			1	20 A	1,2	EX. LOAD SERVED	22
23	EX. WOMEN'S LOUNGE LIGHTS	1,2	20 A	1					500 VA	720 VA	1	20 A	1,2	EX. NW ROOM RECEPTS	24
25	EX. MEN'S LOUNGE LIGHTS	1,2	20 A	1	500 VA	500 VA					1	20 A	1,2	EX. LOAD SERVED	26
27	EX. LOAD SERVED	1,2	20 A	1			500 VA	360 VA			1	20 A	1,2	EX. RIGHT REC. NURSES STATION	28
29	EX. S. HALLWAY LIGHTS	1,2	20 A	1					1000...	720 VA	1	20 A	1,2	EX. MEN'S LOUNGE RECEPTS	30
31	EX. FAR E. ROOM LTG/REC	1,2	20 A	1	500 VA	500 VA					1	20 A	1,2	EX. NURSES STATION LIGHTS	32
33	EX. FRONT RECEPTS	1,2	20 A	1			720 VA	500 VA			1	20 A	1,2	EX. NURSES STATION RR/UTILITY LTG	34
35	EX. NURSE STATION RECEPTS	1,2	20 A	1					720 VA	1000...	1	20 A	1,2	EX. W. HALLWAY LIGHTS	36
37	EX. FAR W. ROOM RECEPTS	1,2	20 A	1	720 VA	200 VA					1	20 A	1,2	EX. NIGHT LIGHTS	38
39	EX. FAR W. ROOM REC/LTG	1,2	20 A	1			1000...	180 VA			1	20 A	1,2	EX. PANEL RECEPT	40
41	ELECTRIC WATER COOLER		20 A	1					360 VA	360 VA	1	20 A		CONTROL CENTER N RECEPTS	42
43	AC-2/ACCU-2		15 A	2	645 VA	360 VA					1	20 A		CONTROL CENTER EAST RECEPTS	44
45	--		--	--			645 VA	180 VA			1	20 A		TOILET 125 RECEPT	46
47	AC-3/ACCU-3		15 A	2					645 VA	360 VA	1	20 A		CONTROL CENTER 143 SERVER	48
49	--		--	--	645 VA	180 VA					1	20 A		MED CLINIC COUNTER RECEPT	50
51	MED CLINIC FRIDGE		20 A	1			830 VA	180 VA			1	20 A		MED CLINIC COUNTER RECEPT	52
53	RECEPTION DOOR OPERATOR		20 A	1					500 VA	830 VA	1	20 A		MED CLINIC OMNI-CELL	54
55	EXTERIOR LIGHTING		20 A	1	1872...	180 VA					1	20 A		EXTERIOR CONDENSER RECEPT	56
57	FACP	3	20 A	1			500 VA	--			1	--		PREPARED SPACE	58
59	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	60
				TOTAL LOAD:	11862 VA		9675 VA		11835 VA						
				TOTAL AMPS:	102 A		81 A		101 A						

LOAD CLASSIFICATION:	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Heating	500 VA	125.00%	625 VA		
Kitchen Equipment - Non-Dwelling Unit	1660 VA	100.00%	1660 VA	TOTAL CONN. LOAD:	33372 VA
Lighting	1872 VA	125.00%	2340 VA	TOTAL EST. DEMAND:	34090 VA
Motor	500 VA	125.00%	625 VA	TOTAL CONN. SPARE CAPACITY:	67 A
Power	2580 VA	100.00%	2580 VA	TOTAL CONN. CURRENT:	93 A
Receptacle	2160 VA	100.00%	2160 VA	TOTAL EST. DEMAND CURRENT:	95 A
Spare	24100 VA	100.00%	24100 VA	NON-COINCIDENTAL HVAC:	0 A
				TOTAL EST. DEMAND (-) NC:	95 A

PANEL SCHEDULE NOTES:

1.) EXISTING LOAD RELOCATED FROM DEMOLISHED PANEL 'L1'.
2.) EXISTING LOAD IS ESTIMATED.
3.) PROVIDE DEDICATED CIRCUIT TO FIRE ALARM CONTROL PANEL.

PANEL NAME: WK   STATUS: New Construction   LOCATION: ELECT. 011

MANUFACTURER / TYPE: SQUARE-D, NQ
ENCLOSURE: NEMA 1
MOUNTING: SURFACE
NO. OF POLES: 30
BUS MATERIAL: COPPER
VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4
SUPPLIED FROM: VP1
A.I.C. RATING: 22,000 A
MAIN TYPE: MLO
MAIN BUS RATING: 225 A
MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	NOTES	CB	POLES	A		B		C		POLES	CB	NOTES	CIRCUIT DESCRIPTION	CKT
1	KITCHENETTE 013A RANGE		50 A	2	4000...	180 VA					1	20 A		KITCHEN CENTER COUNTER RECEPT	2
3	--		--	--			4000...	180 VA			1	20 A		KITCHEN N COUNTER RECEPT	4
5	KITCHEN SOUTH COUNTER RECEPT		20 A	1					180 VA	830 VA	1	20 A		KITCHENETTE 013A FRIDGE	6
7	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	8
9	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	10
11	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	12
13	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	14
15	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	16
17	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	18
19	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	20
21	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	22
23	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	24
25	PREPARED SPACE		--	1	--	--					1	--		PREPARED SPACE	26
27	PREPARED SPACE		--	1			--	--			1	--		PREPARED SPACE	28
29	PREPARED SPACE		--	1					--	--	1	--		PREPARED SPACE	30
				TOTAL LOAD:	4180 VA		4180 VA		1010 VA						
				TOTAL AMPS:	39 A		39 A		8 A						

LOAD CLASSIFICATION:	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Kitchen Equipment - Non-Dwelling Unit	830 VA	100.00%	830 VA		
Other	8000 VA	100.00%	8000 VA	TOTAL CONN. LOAD:	9370 VA
Receptacle	540 VA	100.00%	540 VA	TOTAL EST. DEMAND:	9370 VA
				TOTAL CONN. SPARE CAPACITY:	
				TOTAL CONN. CURRENT:	26 A
				TOTAL EST. DEMAND CURRENT:	26 A
				NON-COINCIDENTAL HVAC:	0 A
				TOTAL EST. DEMAND (-) NC:	26 A

PANEL SCHEDULE NOTES:

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	LAMP	WATTAGE	VOLTAGE	MOUNTING	DESCRIPTION	QUANTITY	REMARKS
1	LITHONIA	BLWP4-48L-ADSM-GZ1-LP835	LED	40 VA	120V	CEILING/SURFACE	4' LENSED WRAPAROUND	11	
1A	LITHONIA	BLWP2-33L-ADSM-GZ1-LP835	LED	30 VA	120V	WALL/SURFACE	2' LENSED WRAPAROUND	16	
2	GOTHAM	EVO4SH-35/15-DFF-SOL-MVOLT-EZ1	LED	14 VA	120V	CEILING/RECESSED	4" SHOWER DOWNLIGHT	8	
3	LITHONIA	TWX3-LED-ALO-40K-MVOLT-DDBXD	LED	108 VA	120V	WALL/SURFACE	EXTERIOR WALLPACK	16	COORDINATE LUMINAIRE'S ADJUSTABLE LIGHT LEVEL SETTINGS WITH OWNER.
4E	LITHONIA	WPX1-LED-P2-40K-MVOLT-E14WC-DDBXD	LED	24 VA	120V	WALL/SURFACE	EXTERIOR WALLPACK W/EM	7	PROVIDE WITH EM BATTERY. CONNECT BATTERY TO UNWITCHED HOT CONDUCTOR.
5E	LITHONIA	FEM-L48-6000LM-IMAFL-WD-MVOLT-GZ10-40K-80CRI-E10WMCP	LED	38 VA	120V	WALL/SURFACE	LOW-PROFILE GASKETED STRIPLIGHT	2	PROVIDE WITH EM BATTERY. CONNECT BATTERY TO UNWITCHED HOT CONDUCTOR.
6A	KENALL	MMAC24-F-1/1-7-FA-45L35K-DCC-DV-NLA	LED	49 VA	MVOLT	CEILING/RECESSED	VANDAL RESISTENT LED FIXTURE	32	PROVIDE FIXTURE WITH AMBER NIGHT LIGHT OPTION.
6B	KENALL	MMAC24-G-1/1-7-FA-45L35K-DCC-DV-TC	LED	49 VA	MVOLT	CEILING/GRID	VANDAL RESISTENT LED FIXTURE	100	
6C	KENALL	MMAC24-S-1/1-7-FA-45L35K-DCC-DV	LED	49 VA	MVOLT	CEILING/SURFACE	VANDAL RESISTENT LED FIXTURE	3	
6D	KENALL	MMAC24-G-1/1-7-FA-45L35K-DCC-DV-NLA	LED	49 VA	MVOLT	CEILING/GRID	VANDAL RESISTENT LED FIXTURE	4	PROVIDE FIXTURE WITH AMBER NIGHT LIGHT OPTION.
EM	KENALL	METEL-24N-MW-2-6.5L-120	LED	12 VA	120V	WALL/SURFACE	EMERGENCY LIGHTING WALLPACK	22	PROVIDE WITH EM BATTERY. CONNECT BATTERY TO UNWITCHED HOT CONDUCTOR.
X	KENALL	METDU-MW-R-DT-EL	LED	3 VA	MVOLT	CEILING/SURFACE	EXIT SIGN	32	

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

DATE	NO.	DESCRIPTION	BY
09-01-2023	0	BID SET	KPE

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL SCHEDULES

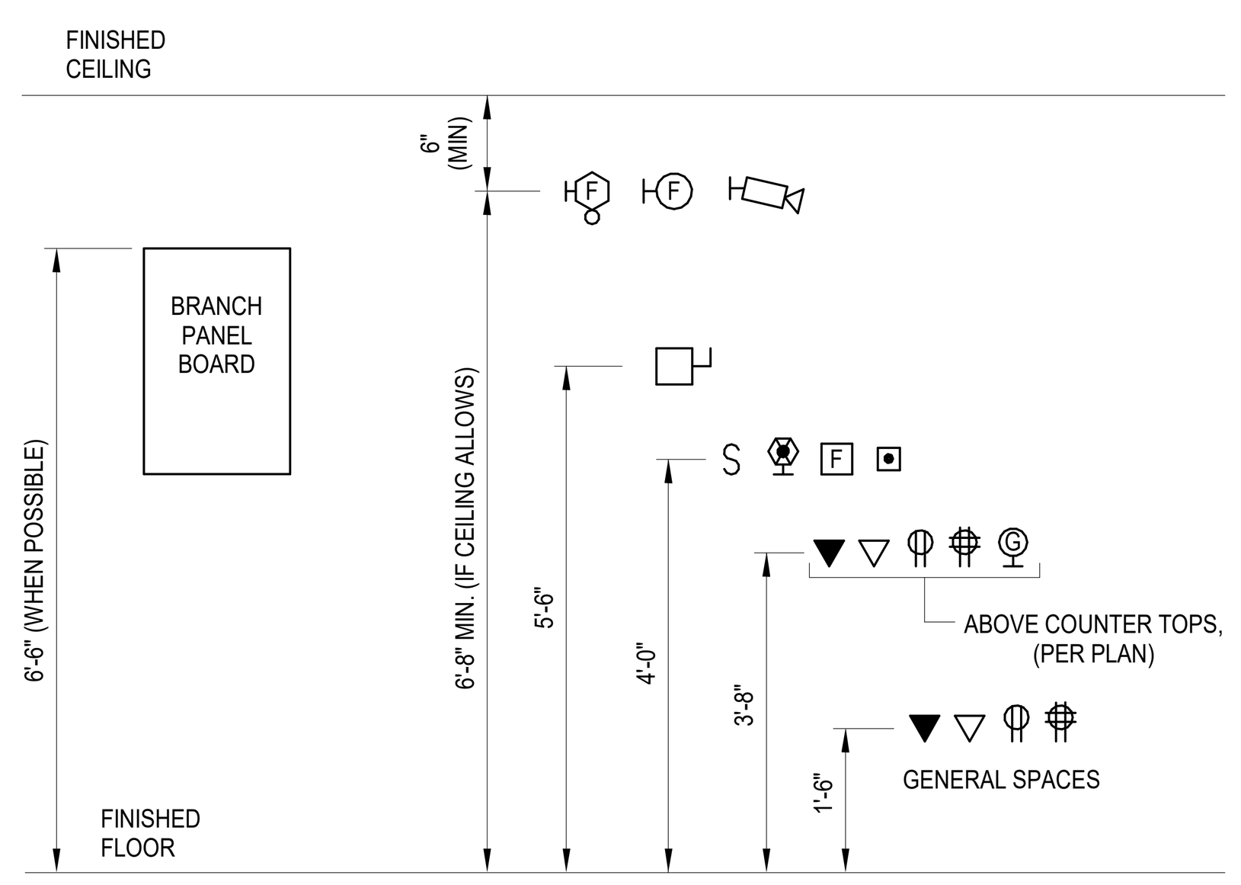
KPE
ARCHITECTURE
ENGINEERING
FORENSICS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM

DATE:
09-01-2023

JOB NUMBER:
257-014

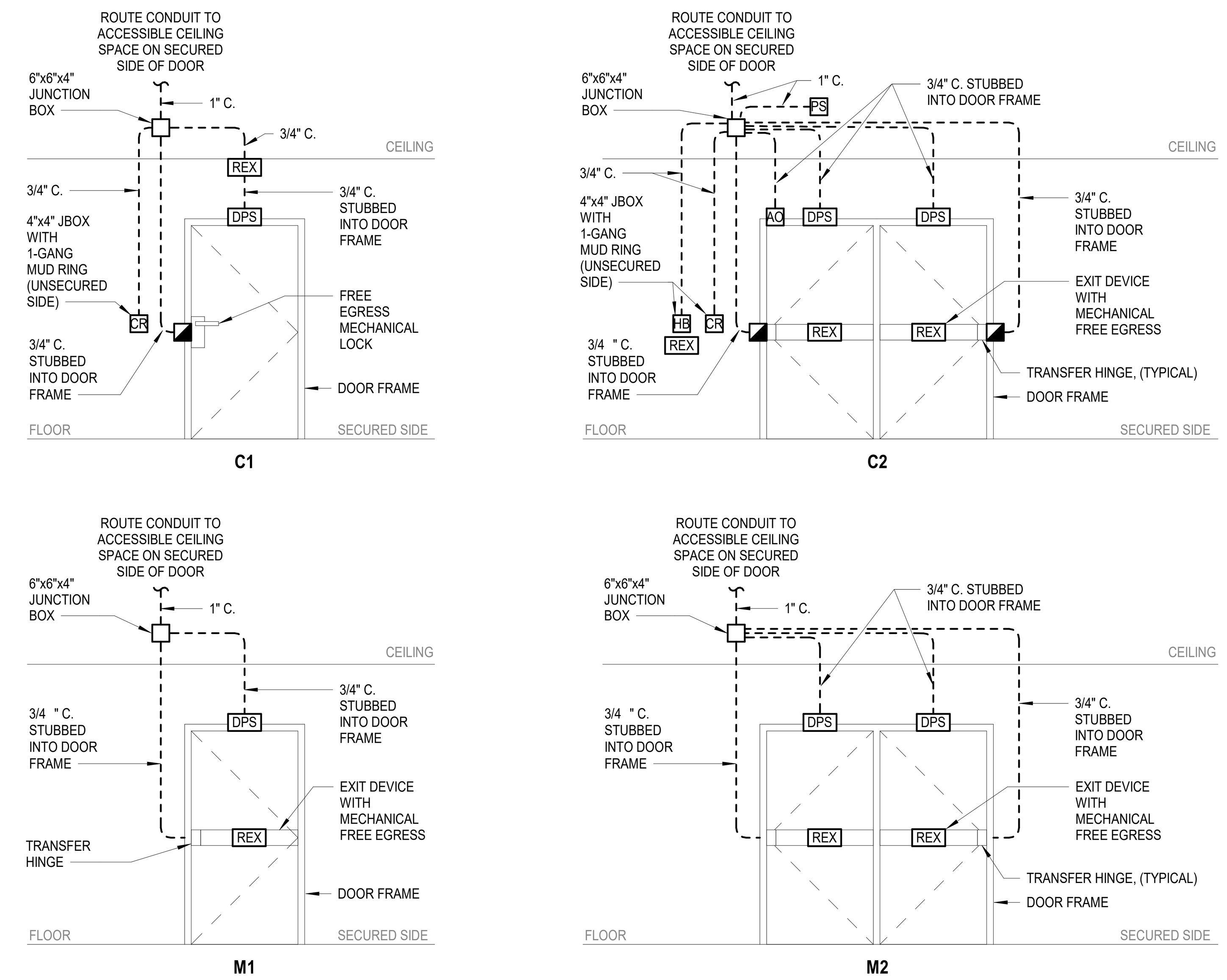
SHEET:
E501



NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEVICE MOUNTING HEIGHTS AND EXACT LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS. REPORT CONFLICTS TO ARCHITECT/ENGINEER **PRIOR TO ROUGH-IN**.
2. ALL SWITCHES TO BE MOUNTED AS CLOSE TO DOORJAMB AS POSSIBLE. COORDINATE ALL SWITCH LOCATIONS WITH ARCHITECTURAL PLANS AND DETAILS.
3. GENERAL MOUNTING HEIGHTS ARE AS INDICATED, UNLESS NOTED OTHERWISE ON PLANS.
4. MOUNTING HEIGHTS INDICATED ARE ABOVE FINISHED FLOOR TO HORIZONTAL CENTERLINE OF DEVICE, UNLESS NOTED OTHERWISE.

1 E601 TYPICAL DEVICE MOUNTING DETAIL
NOT TO SCALE



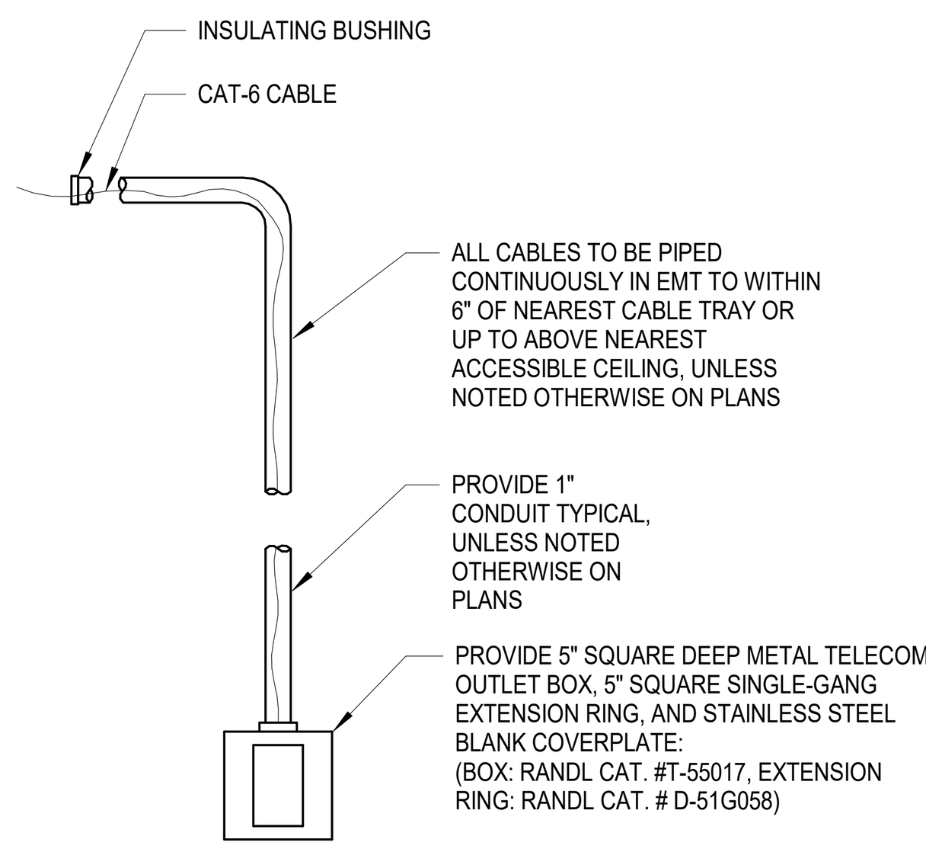
2 E601 ACCESS CONTROL DOOR DETAILS
NOT TO SCALE

ABBREVIATIONS	
AO	POWERED AUTOMATIC DOOR OPENER
CR	CARD READER
DPS	DOOR POSITION SWITCH
HB	HANDICAP OPERATOR PUSHBUTTON
PS	POWER SUPPLY
REX	REQUEST TO EXIT

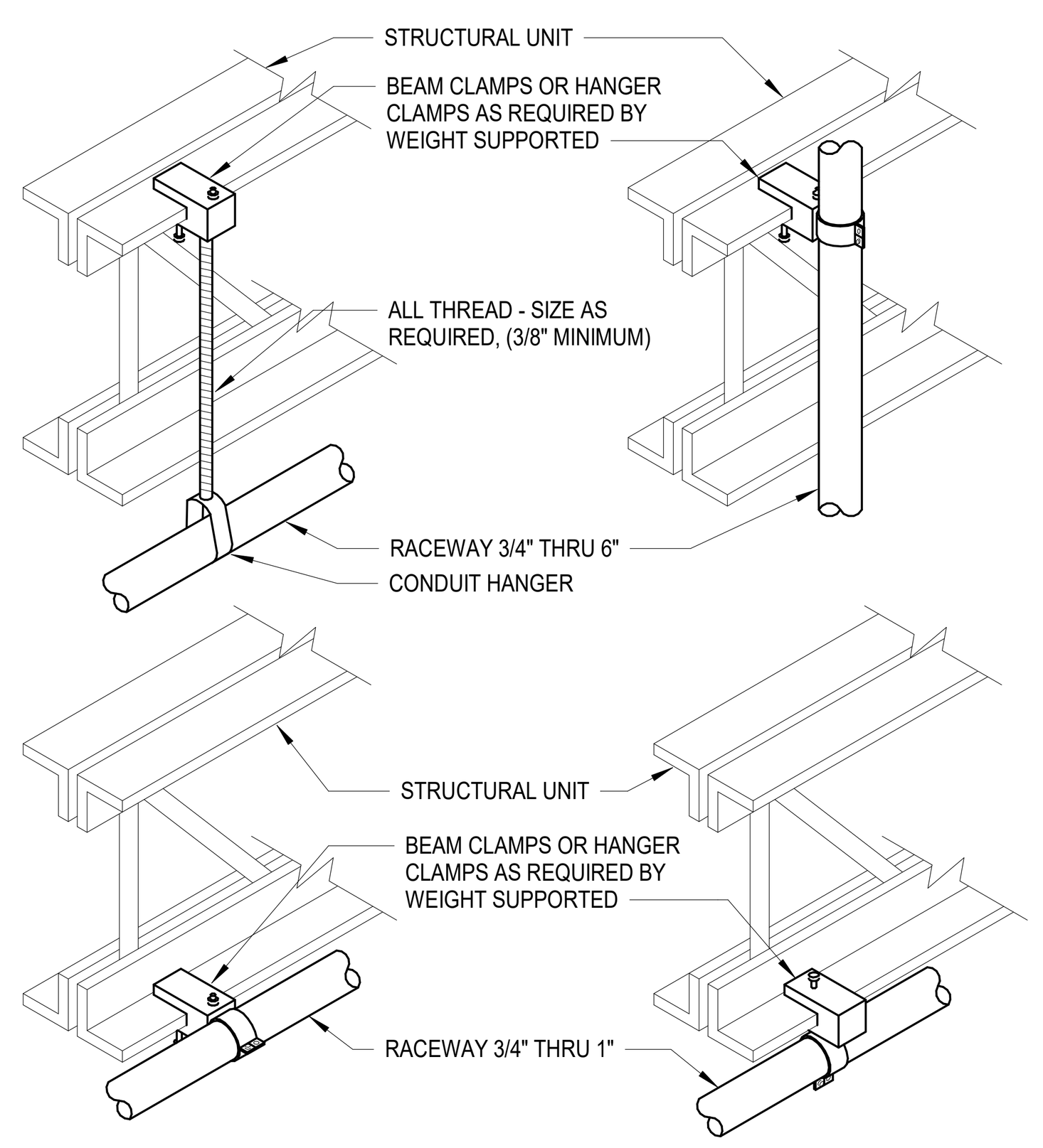
DETAIL MARK	DEFINITION
C1	CONTROLLED, SINGLE DOOR
C2	CONTROLLED, DOUBLE DOOR
M1	MONITORED, SINGLE DOOR
M2	MONITORED, DOUBLE DOOR

NOTES:

1.) PROVIDE CONNECTIVITY TO DOOR HARDWARE FOR INTEGRATION INTO SECURITY SYSTEM. DOOR HARDWARE PROVIDED BY OTHERS, UNLESS NOTED OTHERWISE.
2.) CONDUITS SHOWN ARE REQUIRED FOR LOW VOLTAGE CABLE PATHWAY. CONDUIT INSTALLATION MAY VARY FROM THAT SHOWN BASED UPON FIELD CONDITIONS.
3.) COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF DEVICES WITH SECURITY VENDOR PRIOR TO ROUGH-IN.

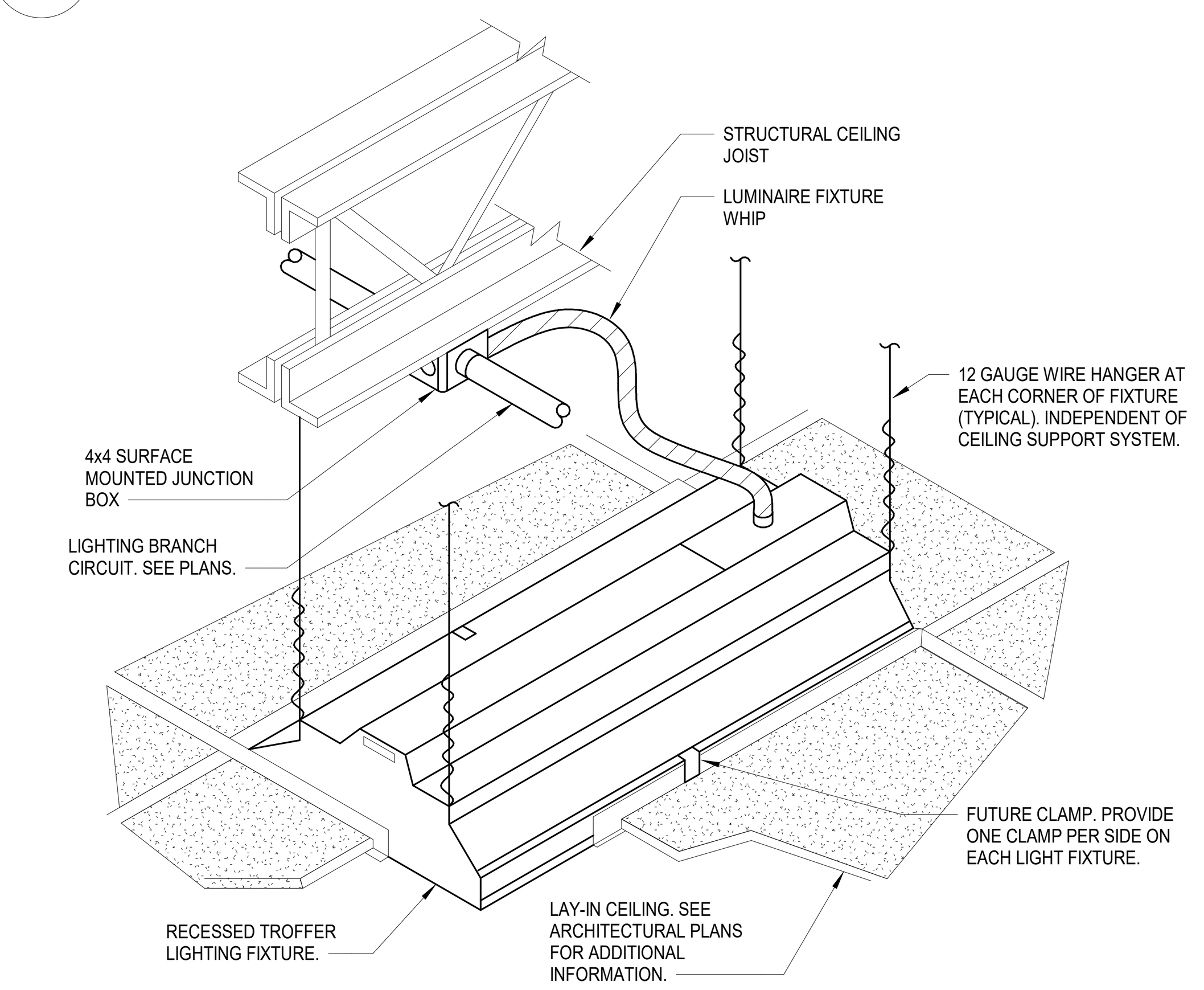


3 E601 COMMUNICATION ROUGH-IN DETAIL
NOT TO SCALE

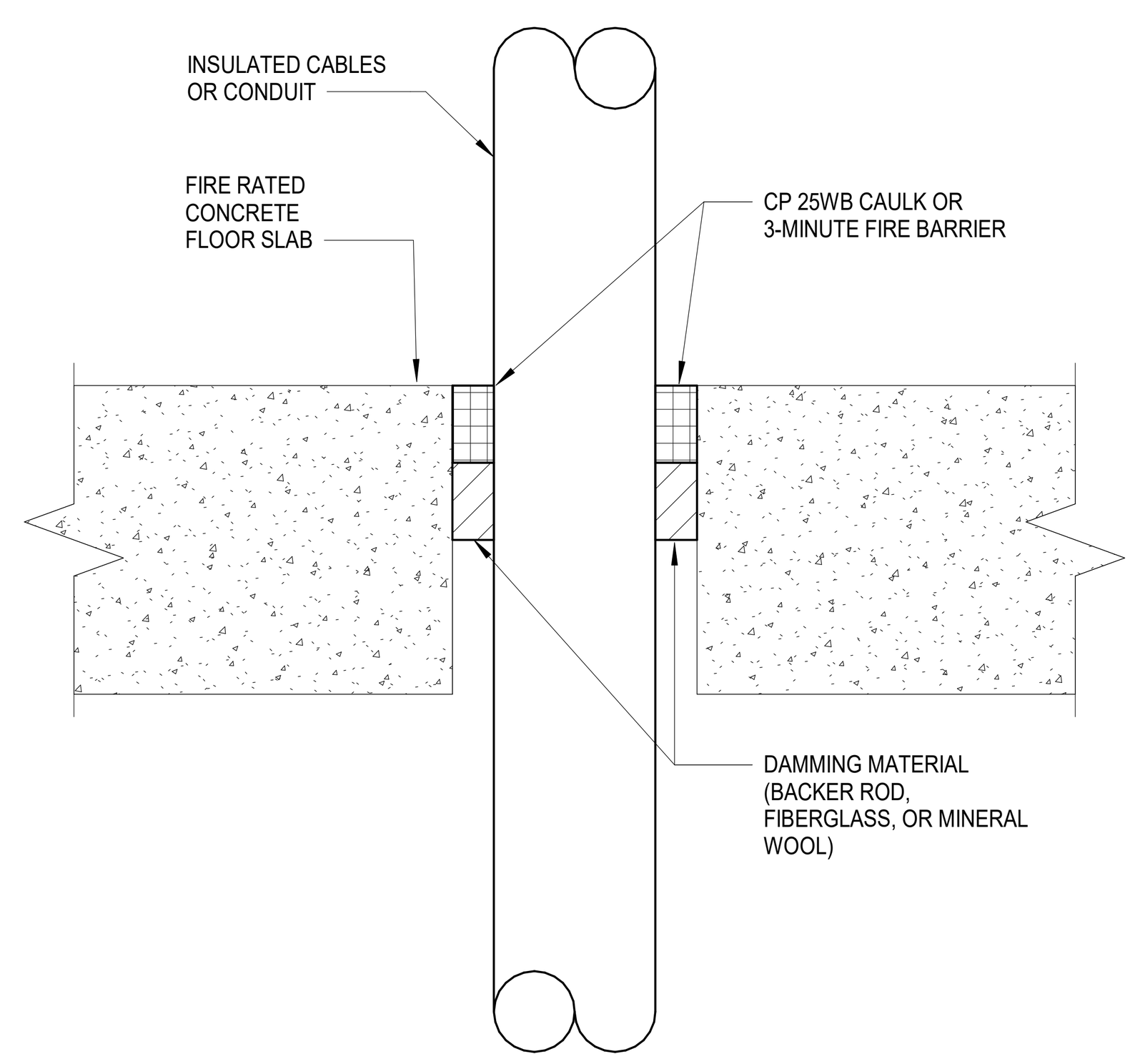


NOTE:
WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM. DO NOT SUPPORT ANY RACEWAY LARGER THAN 1" FROM BOTTOM CORD OF STEEL TRUSSES.

4 E601 TYPICAL RACEWAY SUPPORT DETAIL
NOT TO SCALE

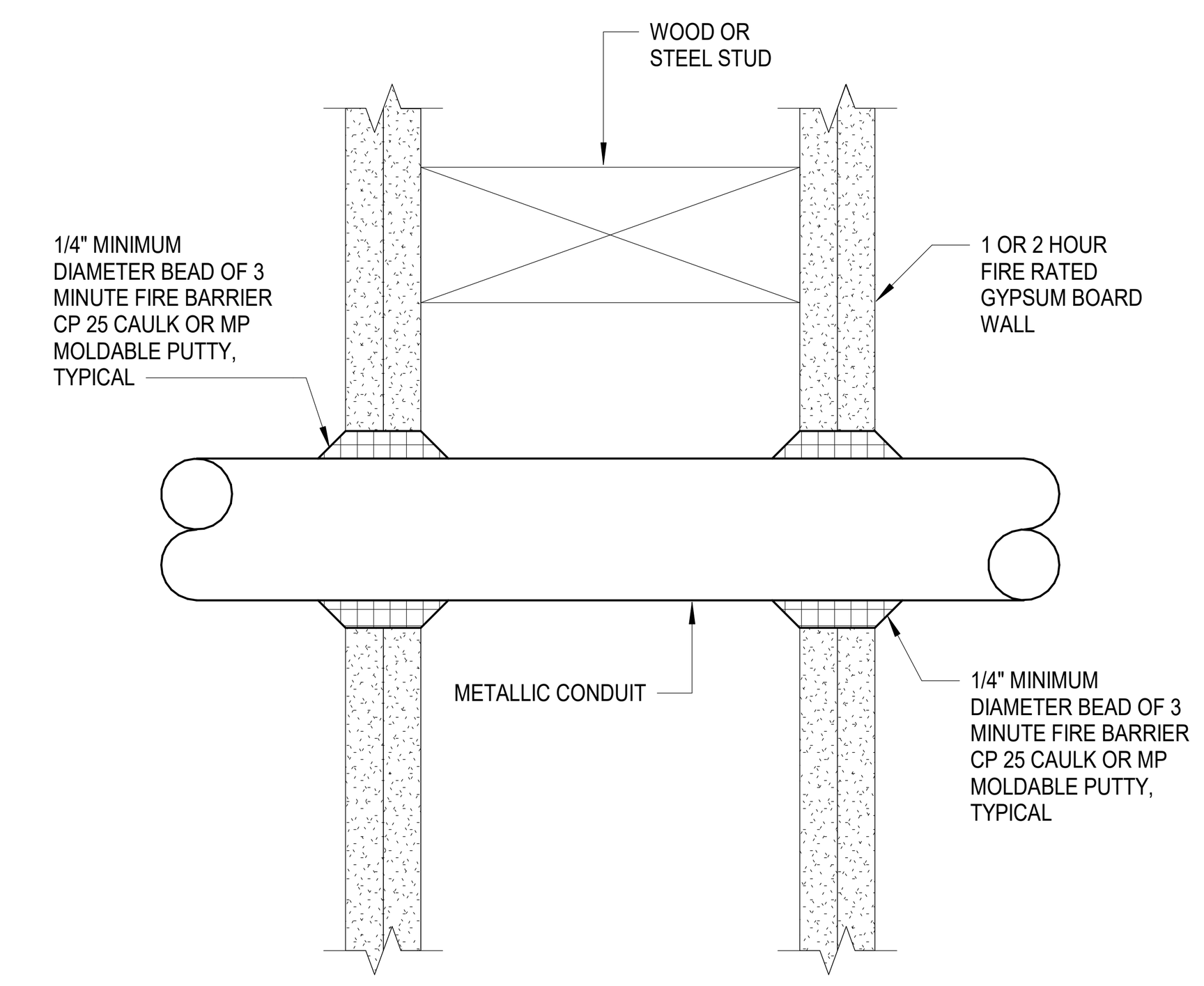


5 E601 TYPICAL RECESSED FIXTURE MOUNTING DETAIL
NOT TO SCALE



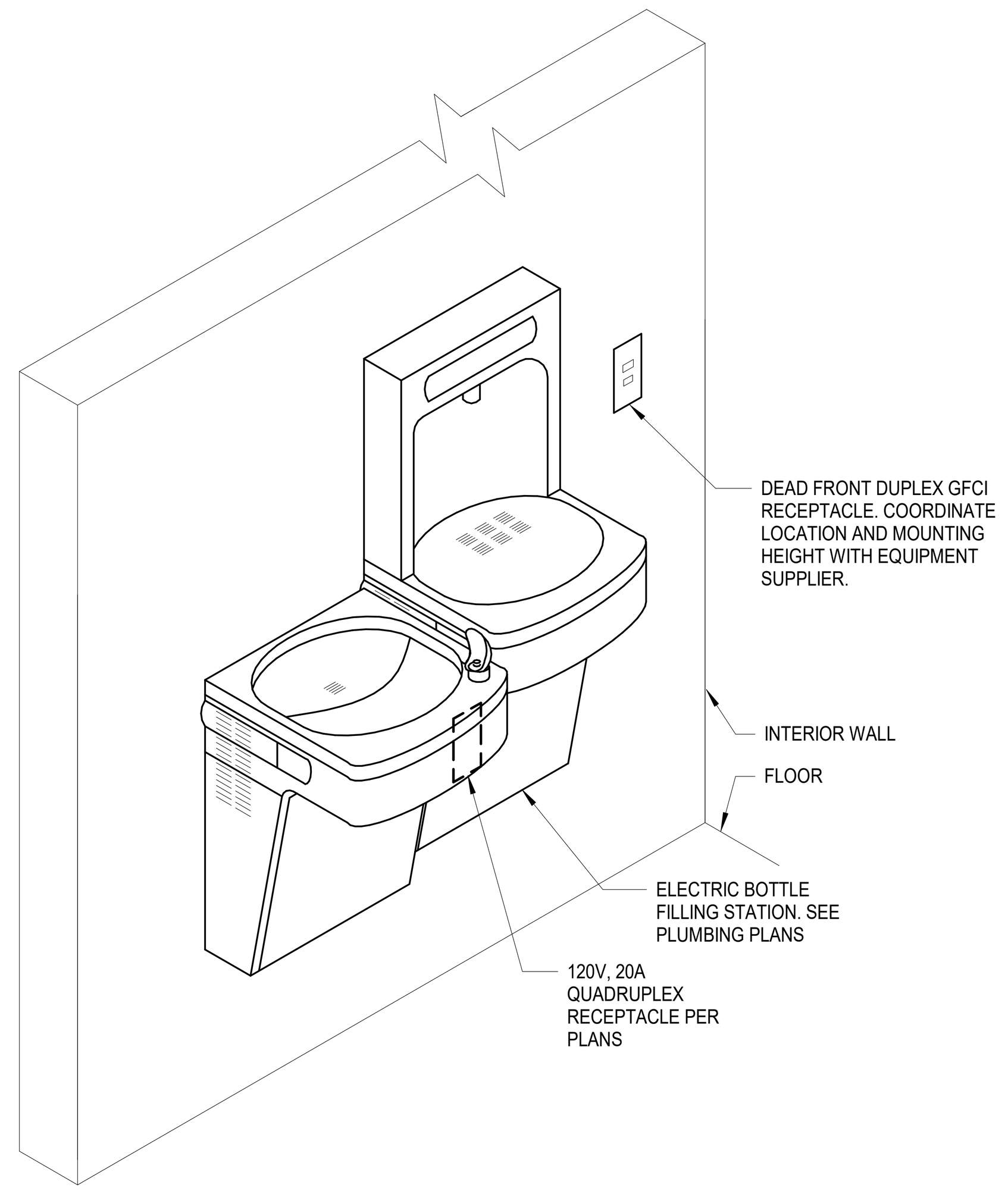
NOTE:
1.) TYPICAL DETAIL SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURERS INSTRUCTIONS AS REQUIRED.

6 E601 FIRESTOP THROUGH CONCRETE FLOOR DETAIL
NOT TO SCALE

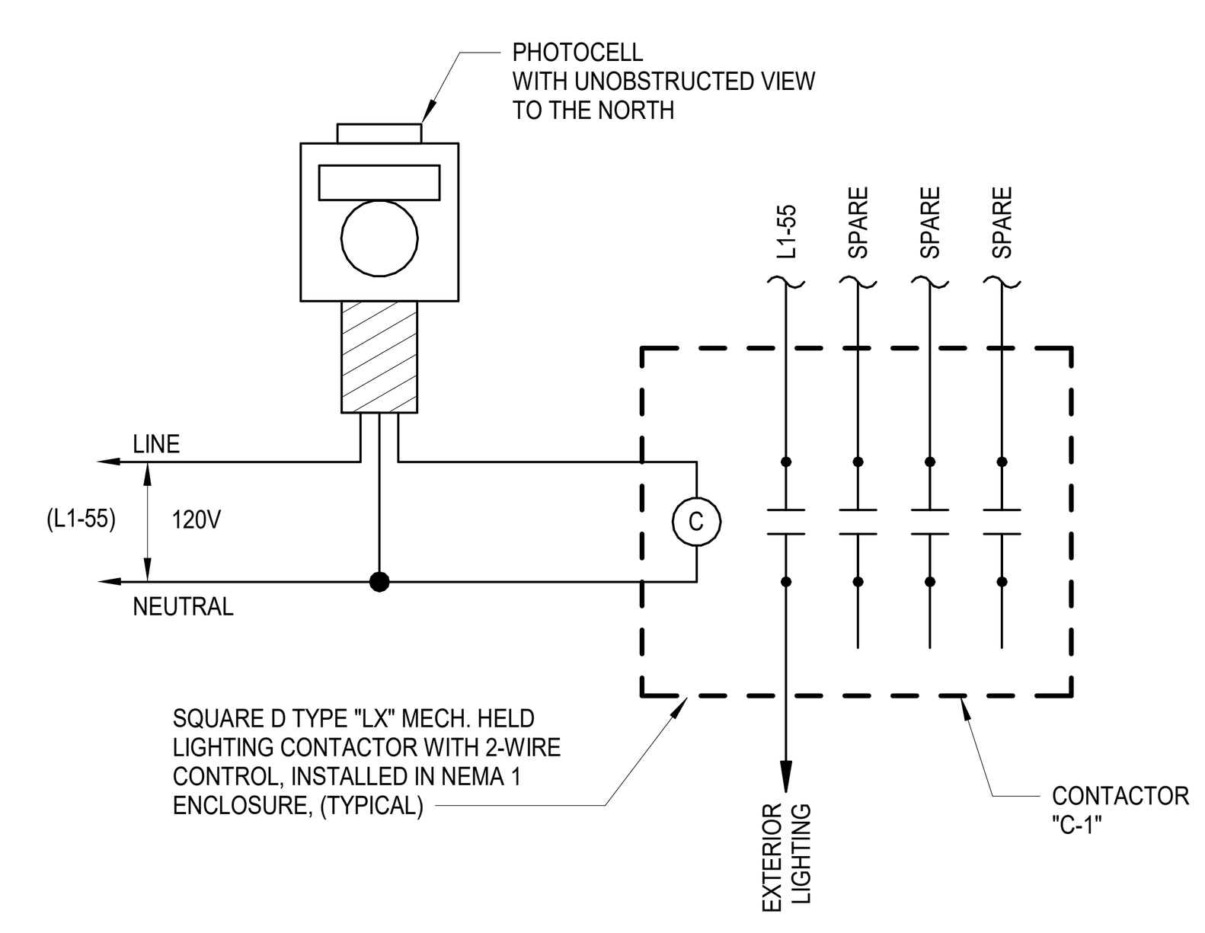


NOTE:
1.) TYPICAL DETAIL SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURERS INSTRUCTIONS AS REQUIRED.

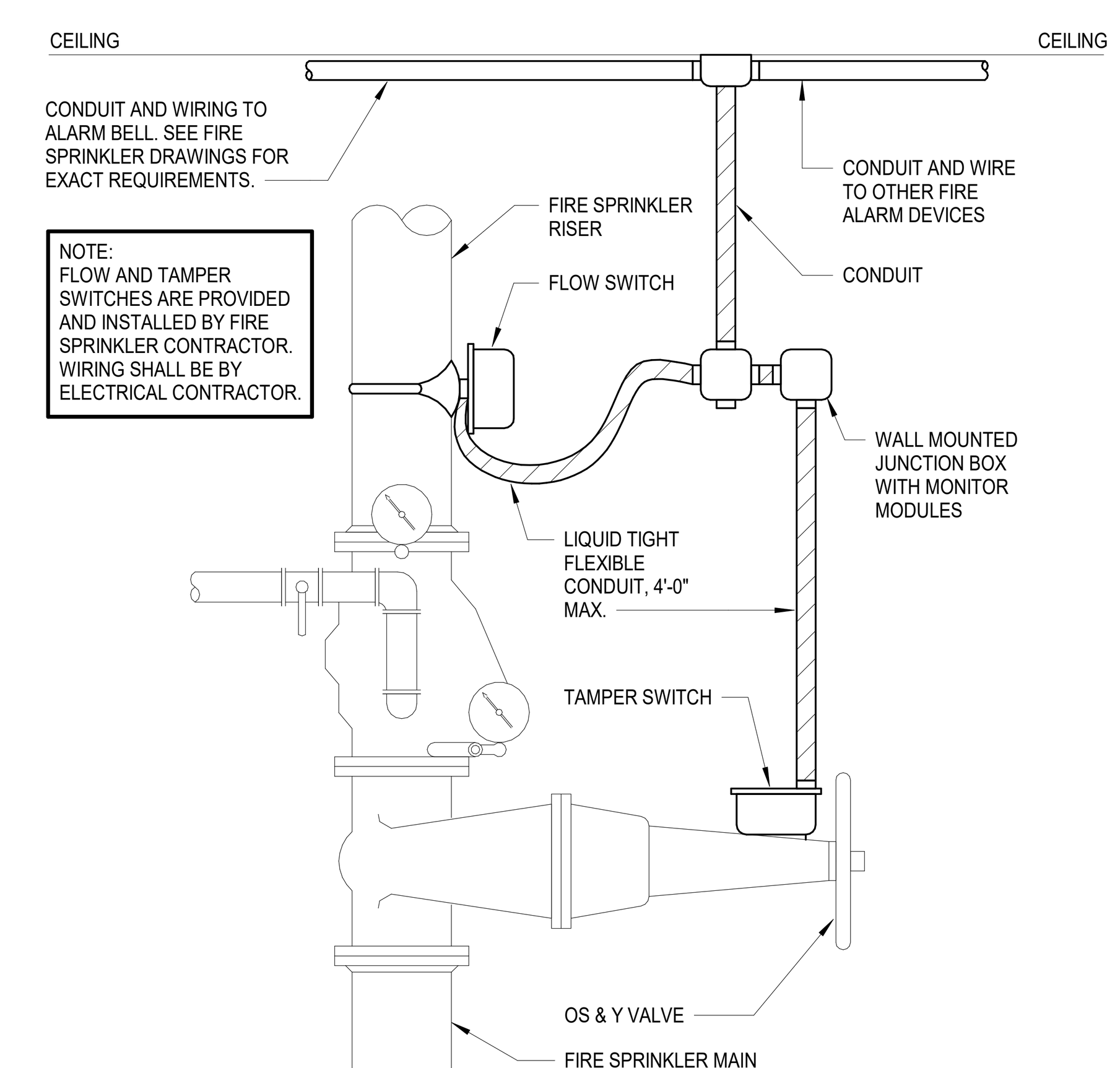
7 E601 FIRESTOP THROUGH GYPBOARD WALL DETAIL
NOT TO SCALE



8 E601 ELECTRIC BOTTLE FILLING STATION DETAIL
NOT TO SCALE



9 E601 EXTERIOR LIGHTING CONTROL DETAIL
NOT TO SCALE



10 E601 FIRE SPRINKLER RISER CONNECTION DETAIL
NOT TO SCALE

DRAWN:	JDS
DESIGNED:	JDS
CHECKED:	PDS
PROJ. MNGR:	MJM

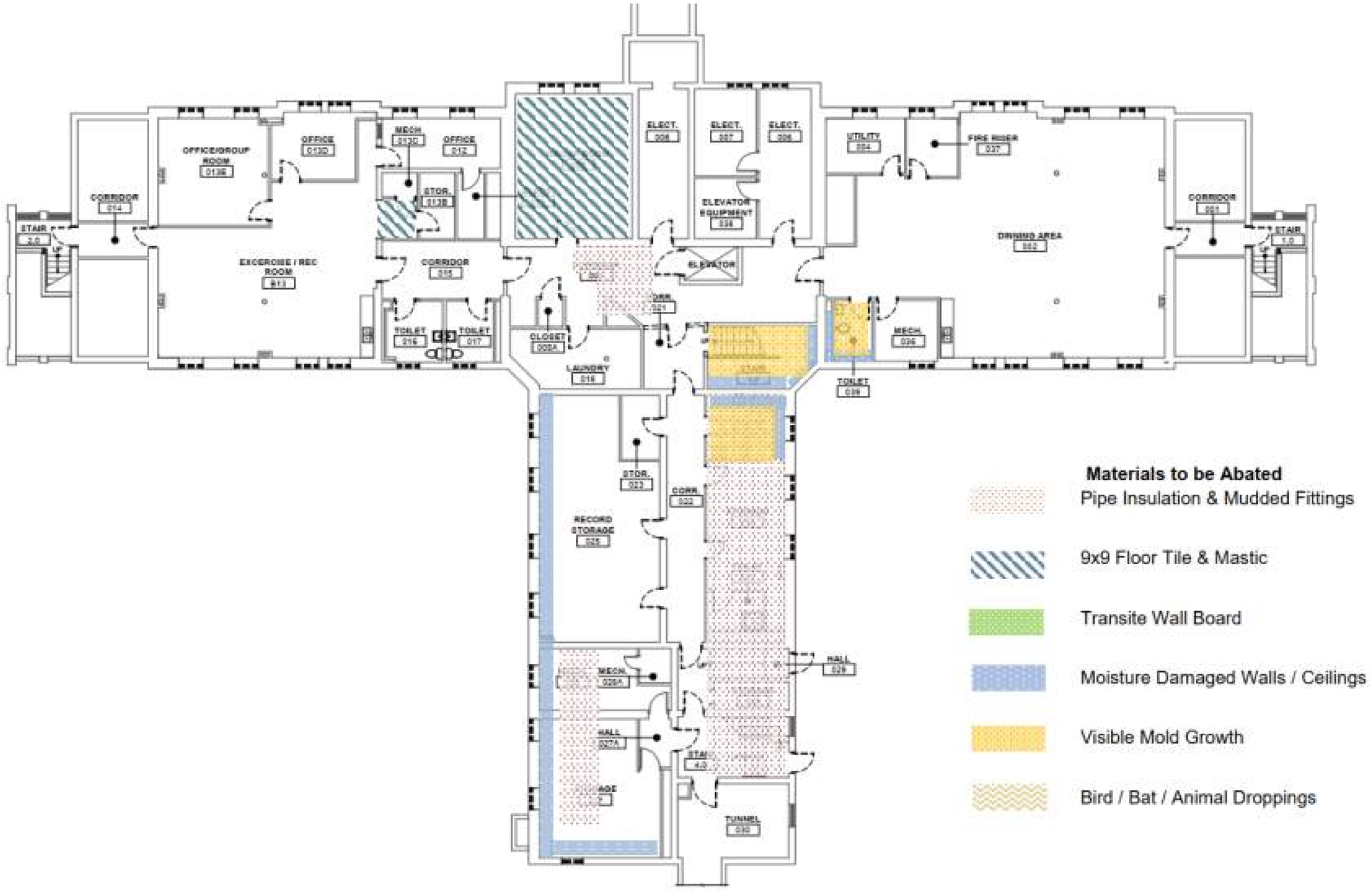
NO.	DATE	DESCRIPTION	BY
0	09-01-2023	BID SET	KPE

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ELECTRICAL DETAILS

1016 LEAVENWORTH ST.
OMAHA, NE 68102
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM
KPE ARCHITECTURE ENGINEERING FORENSICS

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: E601



1 AB110 ABATEMENT PLAN - BASEMENT LEVEL
1/8" = 1'-0"
NORTH

DRAWN:	XXX
DESIGNED:	XXX
CHECKED:	XXX
PROJ. MNGR:	XXX

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE		
09-01-2023		

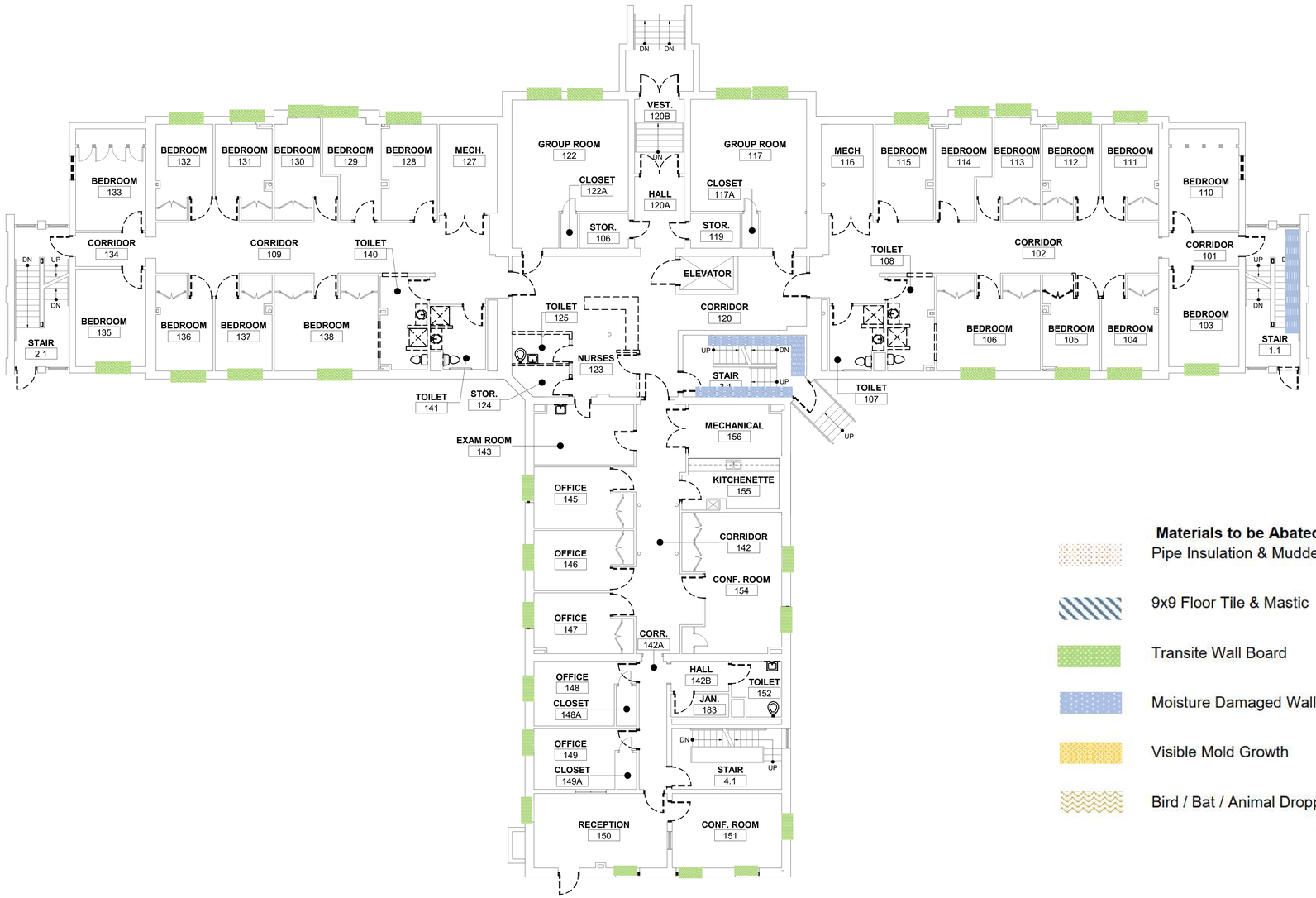
Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ABATEMENT PLAN - BASEMENT LEVEL

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AB110



Materials to be Abated

- Pipe Insulation & Mudded Fittings
- 9x9 Floor Tile & Mastic
- Transite Wall Board
- Moisture Damaged Walls / Ceilings
- Visible Mold Growth
- Bird / Bat / Animal Droppings

1 AB111 ABATEMENT PLAN - FIRST LEVEL
1/8" = 1'-0"
NORTH

	DRAWN:	DESIGNED:	CHECKED:	PROJ. MNGR:
	XXX	XXX	XXX	XXX

NO.	DESCRIPTION	BY
0	BID SET	KPE
09-01-2023	DATE	

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ABATEMENT PLAN - FIRST LEVEL

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AB111

Materials to be Abated

- Pipe Insulation & Mudded Fittings
- 9x9 Floor Tile & Mastic
- Transite Wall Board
- Moisture Damaged Walls / Ceilings
- Visible Mold Growth
- Bird / Bat / Animal Droppings

1 AB112 ABATEMENT PLAN - SECOND LEVEL
1/8" = 1'-0"

NORTH

DRAWN: XXX
DESIGNED: XXX
CHECKED: XXX
PROJ. MNGR: XXX

NO.	DESCRIPTION	BY
0	BID SET	KPE
DATE: 09-01-2023		

Tim Jacobsen
Atlas Technical Consultants
Iowa Asbestos Project Designer #23-9651

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

ABATEMENT PLAN - SECOND LEVEL

DATE: 09-01-2023
JOB NUMBER: 257-014
SHEET: AB112