

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

CHEROKEE MENTAL HEALTH INSTITUTE

1251 W. CEDAR LOOP. CHEROKEE, IOWA 51012

(RFB# 928300-02)

PROJECT TEAM

OWNER: DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS) 109 SE 13TH STREET DES MOINES, IA 50319 PH: (515) 322-2883	A/E DESIGN TEAM: KPE ARCHITECTURE-ENGINEERING-FORENSICS 3555 FARNAM STREET, SUITE 406 OMAHA, NE 68131 PH: (402) 291-1444	CONSTRUCTION MANAGER: DCI GROUP 220 SE 6TH STREET, SUITE 200 DES MOINES, IA 50309 PH: (515) 244-5043
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) 498-1391

SCHEDULE OF ALTERNATES

ALTERNATE NO. 1: PARKING LOT BASE BID: PROVIDE PAVING FOR ONLY THE ADA SPOTS AS SHOWN ON DRAWING C200. ALTERNATE: PROVIDE PARKING LOT DESIGN AS SHOWN ON DRAWING C200A.	ALTERNATE NO. 2: EXTERIOR ADA RAMP AND STAIR BASE BID: PROVIDE DESIGN FOR AN ALUMINUM EXTERIOR ADA RAMP AND STAIRS WITH FROST FOOTINGS AS SHOWN ON DRAWINGS S100 & S101. ALTERNATE: PROVIDE DESIGN FOR A CONCRETE EXTERIOR ADA RAMP AND STAIRS WITH FOUNDATIONS AND FOOTINGS AS SHOWN ON DRAWINGS S100A & S101A.	ALTERNATE NO. 3: KITCHENETTE BASE BID: PROVIDE NEW CASEWORK, MECHANICAL, AND ELECTRICAL IN KITCHEN 002A PER DRAWINGS. ALTERNATE: IN ADDITION TO WORK IN KITCHEN 002A, PROVIDE NEW WALL, CASEWORK, MECHANICAL, AND ELECTRICAL IN KITCHEN 013A PER DRAWINGS.	ALTERNATE NO. 4: TOILET ACCESSORIES BASE BID: PROVIDE TOILET ACCESSORIES PER DRAWINGS AND SPECIFICATION SECTION 102800 IN THE FOLLOWING ROOMS: 016, 017, 107, 108, 125, 140, 141, 152, 228, 229, 249, AND 250. ALTERNATE: PROVIDE TOILET ACCESSORIES PER DRAWINGS AND SPECIFICATION SECTION 102813.63 IN THE FOLLOWING ROOMS: 016, 017, 107, 108, 140, 141, 228, 229, 249, AND 250. PROVIDE TOILET ACCESSORIES PER DRAWINGS AND SPECIFICATION SECTION 102800 IN THE FOLLOWING ROOMS: 125 AND 152.
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STAMPS

I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL 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.

Signature: *Michael J. McLennan* Date: 03/22/24

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.

Signature: *Daniel Strain* Date: 3/22/24

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.

Signature: *Darin M. Ligtienberg* Date: 03/22/2024

Printed or typed name: Darin M. Ligtienberg

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.

Signature: *Mark A. Sornsin* Date: 22 March 2024

Printed or typed name: Mark A. Sornsin

License number: P25032

My license renewal date is: December 31, 2025

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.

Signature: *Craig G. German* Date: 3/22/24

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.

Signature: *Patrick D. Straatmann* Date: 3/22/24

Printed or typed name: Patrick D. Straatmann

License number: P21195

My license renewal date is: December 31, 2025

Pages or sheets covered by this seal: E Series

PROJECT LOCATION



SCHEDULE OF DRAWINGS

GENERAL G000 COVER SHEET G001 ABBREVIATIONS & GENERAL NOTES G002 CODE REVIEW INFORMATION G003 CODE REVIEW PLAN - BASEMENT LEVEL G004 CODE REVIEW PLAN - FIRST LEVEL G005 CODE REVIEW PLAN - SECOND LEVEL CIVIL C100 EXISTING CONDITIONS C101 SITE REMOVALS C102 STUMP AND ROOT REMOVALS C200 SITE PLAN - BASE BID C200A SITE PLAN - ALTERNATE C201 SANITARY SEWER PLAN AND PROFILE C202 GRADING PLAN - BASE BID C202A GRADING PLAN - ALTERNATE C300 FENCING LAYOUT C301 FENCING DETAILS ARCHITECTURAL AD110 DEMOLITION PLAN - BASEMENT LEVEL AD111 DEMOLITION PLAN - FIRST LEVEL AD112 DEMOLITION PLAN - SECOND LEVEL AD120 FLOOR FINISH DEMOLITION PLAN - BASEMENT LEVEL AD121 FLOOR FINISH DEMOLITION PLAN - FIRST LEVEL AD122 FLOOR FINISH DEMOLITION PLAN - SECOND LEVEL AD130 REFLECTED CEILING DEMOLITION PLAN - BASEMENT LEVEL AD131 REFLECTED CEILING DEMOLITION PLAN - FIRST LEVEL AD132 REFLECTED CEILING DEMOLITION PLAN - SECOND LEVEL A110 FLOOR PLAN - BASEMENT LEVEL A111 FLOOR PLAN - FIRST LEVEL A112 FLOOR PLAN - SECOND LEVEL A120 INTERIOR FINISH PLAN - BASEMENT LEVEL A121 INTERIOR FINISH PLAN - FIRST LEVEL A122 INTERIOR FINISH PLAN - SECOND LEVEL A130 REFLECTED CEILING PLAN - BASEMENT LEVEL A131 REFLECTED CEILING PLAN - FIRST LEVEL A132 REFLECTED CEILING PLAN - SECOND LEVEL A201 EXTERIOR BUILDING ELEVATION A202 WINDOW AND SECURITY SCREEN PLACEMENT ELEVATIONS A401 ENLARGED FLOOR PLANS A402 ENLARGED ELEVATOR PLANS A403 ELEVATOR SECTIONS A501 INTERIOR ELEVATIONS A601 DOOR & FRAME SCHEDULE A602 DOOR, SECURITY SCREENS & WINDOW FRAME DETAILS, ELEVATIONS & TYPES A603 WINDOW FRAME DETAILS A604 ROOM FINISH SCHEDULES STRUCTURAL S000 GENERAL STRUCTURAL NOTES S100 RAMP LAYOUT PLANS - BASE BID S100A RAMP LAYOUT PLANS - ALTERNATE S101 RAMP DETAILS - BASE BID S101A RAMP SECTIONS AND RAILING DETAILS - ALTERNATE S200 ELEVATOR ADDITION FLOOR PLANS AND SCHEDULES S201 ELEVATOR ADDITION ROOF PLANS AND SECTION S300 ELEVATOR ADDITION DETAILS S301 ELEVATOR ADDITION DETAILS	MECHANICAL MP001 GENERAL MECHANICAL NOTES AND SYMBOL LEGEND MD110 MECHANICAL DEMOLITION PLAN - BASEMENT LEVEL MD111 MECHANICAL DEMOLITION PLAN - FIRST LEVEL MD112 MECHANICAL DEMOLITION PLAN - SECOND LEVEL M110 MECHANICAL PLAN - BASEMENT LEVEL M111 MECHANICAL PLANS - FIRST LEVEL M112 MECHANICAL PLAN - SECOND LEVEL M201 MECHANICAL SCHEDULES AND DETAILS PLUMBING P110 PLUMBING WASTE AND VENT PLANS - BASEMENT LEVEL P111 PLUMBING WASTE AND VENT PLANS - FIRST LEVEL P112 PLUMBING WASTE AND VENT PLANS - SECOND LEVEL P210 PLUMBING SUPPLY PLANS - BASEMENT LEVEL P211 PLUMBING SUPPLY PLANS - FIRST LEVEL P212 PLUMBING SUPPLY PLANS - SECOND LEVEL P301 PLUMBING SCHEDULES AND DETAILS FIRE PROTECTION FP-01 FLOOR PLAN - BASEMENT LEVEL FP-02 FLOOR PLAN - FIRST LEVEL FP-03 FLOOR PLAN - SECOND LEVEL ELECTRICAL E001 GENERAL ELECTRICAL NOTES AND SYMBOL LEGEND E101 ONE LINE DIAGRAMS ED110 ELECTRICAL DEMOLITION PLAN - BASEMENT LEVEL ED111 ELECTRICAL DEMOLITION PLAN - FIRST LEVEL ED112 ELECTRICAL DEMOLITION PLAN - SECOND LEVEL E110 ELECTRICAL PLAN - BASEMENT LEVEL E111 ELECTRICAL PLAN - FIRST LEVEL E112 ELECTRICAL PLAN - SECOND LEVEL E113 LIGHTING PLAN - BASEMENT LEVEL E114 LIGHTING PLAN - FIRST LEVEL E115 LIGHTING PLAN - SECOND LEVEL E201 ELECTRICAL SITE PLAN E501 ELECTRICAL SCHEDULES E601 ELECTRICAL DETAILS ABATEMENT AB110 ABATEMENT PLAN - BASEMENT LEVEL AB111 ABATEMENT PLAN - FIRST LEVEL AB112 ABATEMENT PLAN - SECOND LEVEL
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DRAWN: MAM

DESIGNED: MAM

CHECKED: MAM

PROJ. MGR: MAM

BY

NO.

DATE

DESCRIPTION

These plans are specifically designed for construction by KPE Architecture, Engineering, and Forensics and are not to be used for any other purpose without the written consent of KPE. The use of these plans for any other purpose without the written consent of KPE is prohibited. The owner of these plans, to the best of their knowledge, is not responsible for any liability, demands, or costs arising out of or resulting from their unauthorized use. © KPE

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COVER SHEET

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WWW.KPE-INC.COM

DATE: 03-22-2024

JOB NUMBER: 257-014

SHEET: G000

DEGREE
POUND OR NUMBER
AND
AT
A
ANCHOR BOLT
ABOVE
ABOVE FINISH FLOOR
ACOUSTICAL TILE CEILING
ADJUSTABLE
AIR CONDITIONING
AIR HANDLING UNIT
ALIGN
ALTERNATE
ALUMINUM
ANCHOR
ANCHOR BOLT
APPROXIMATE(Y)
ARCHITECT(URAL)
AREA DRAIN
ASPHALT
B
BACK TO BACK
BACK OF CURB
BASE BID
BASEMENT
BEAM
BEARING
BENCHMARK
BLOCKING
BOARD
BOTTOM
BOTTOM OF
BOTTOM OF CURB
BOTTOM OF WALL
BRICK EXPANSION JOINT
BUILDING
BUILDING LINE
C
CABINET UNIT HEATER
CANTILEVER
CAPST
CAST IN PLACE
CAST IRON
CATCH BASIN
CAVITY
CEILING
CEMENT
CENTER
CENTER LINE
CENTER TO CENTER
CERAMIC TILE
CHALKBOARD
CLEAN OUT
CLEAR
CLEAR FLOAT GLASS
CLEAR TEMPERED
INSULATED GLASS
GLASS MIRROR GLASS
COLUMN
COMPRESSIBLE
CONCRETE
CONCRETE MASONRY UNIT
CONDITION
CONNECTION
CONSTRUCTION
CONTINUOUS
CONTRACTOR
CONTROL JOINT
CORNER GUARD
CORRIDOR
CUBICLE CURTAIN TRACK
D
DEAD LOAD
DEEP
DETAIL
DIAGONAL
DIAMETER
DIMENSION
DISPENSER
DOOR
DOWN
DOWNSPOUT
DRAIN TILE
DRAWING
DRINKING FOUNTAIN
E
EACH
EACH FACE
EACH WAY
ELECTRIC(AL)
ELECTRIC-WATER COOLER
ELEVATION
ELEVATOR
EQUAL
EQUIPMENT
EXCAVATE
EXISTING
EXISTING
EXISTING ROOF DRAIN
EXPANSION JOINT
EXPANSION JOINT COVER
EXPOSED
EXTERIOR
F
FABRIC WALL COVERING
FEET
FIBERGLASS REINFORCED PANEL
FINISH
FINISHED FLOOR
FINISH FLOOR ELEVATION
FINISH FLOOR
FIRE EXTINGUISHER
FIRE EXTINGUISHER CABINET
FIRE HOSE CABINET
FIRE HYDRANT
FIREPROOF(ING)
FIRE ROSE CABINET
FIRE RATED GLASS CERAMIC
FIRE RATED, SAFETY RATED
GLASS CERAMIC
FLASHING
FLEXIBLE
FLOOR
FLOOR DRAIN
FLOORING
FOLDING PANEL PARTITION
FOOTING
FOUNDATION
FRAME
FURNISHING
FLUID VERIFY
FIXTURE
G
GALVANIZED
GAUGE
GLASS FIBER REINFORCED
GYPSUM
GU-LAM BEAM
GRAB BAR
GRADE
GRANULAR
GROUND FACE CONCRETE
MASONRY UNIT
GUTTER
GYPSUM WALLBOARD
GYPSUM
H
HAND DRYER
HANDICAPPED
HARDWARE
HEIGHT
HEAVY CLEAR TEMPERED
GLASS
HIGH
HIGH POINT
HOLLOW CORE
HOLLOW METAL
HORIZONTAL
I
INCH
INFORMATION
INTERIOR DIAMETER
INSIDE FACE
INSULATION
INTERIOR
INVERT ELEVATION
INSULATED TRANSLUCENT

J	JANITOR	JAN.
#	JOINT	JT.
&	JOIST	JST.
@	JOIST BEARING	JST BRG.
K	KEYBOARD TRAY	K.B.
A.B.V	KEYED CONSTRUCTION JOINT	K.C.J.
A.F.F.F.	KITCHEN	KIT.
ATC		
ADJ.	L	
ANG	ANGLE	LO R
AHU	LANDSCAPE ARCHITECT	LOR
AL	LAVATORY	LAV.
ALT.	LAUNDRY	LT.
ALUM.	LIGHT WEIGHT	LT. WT.
LINE	LINEAL/LINEAR FOOT	LF.
AB	ASB	ASB
APPROX.	LOCATION	LOC.
ARCH.	LONG LEAF HORIZONTAL	L.L.H.
ASPH.	LONG LEAF VERTICAL	L.L.V.
	LOW POINT	LP
M		
B/B	MANAGEMENT	MGMT
B.C.	MANHOLE	M.H.
B.M.	MANUFACTURER	MANUF.
BSMT.	MARKERBOARD	M.B.
BM	MASONRY	MAS
BRIG.	MASONRY OPENING	M.O.
BKMG	MATERIAL	MATL.
BLK	MAXIMUM	MAX.
BD	MECHANICAL	MECH.
BOT.	METAL	MTL.
B.O.C.	MINIMUM	MIN.
B.O.C.	MIR	MIR
B.O.W.	MISCELLANEOUS	MISC.
B.E.J.	MOP/BROOM HOLDER	M.B.H.
BLDG.	MT	MT.
B.L.	MOUNTED	MTD.
	MULLION	MULL.
N		
CUH	NAPKIN DISPENSER	ND
CANT.	NAPKIN DISPOSAL	NDI.
CPI	NOMINAL	NOM.
CL	NOT IN CONTRACT	NIC
C.B.	NOT TO SCALE	NTS
CAV.	NUMBER	NO
C.O.S.		
CEN.	O	
CENT.	Occurring	OccURr
CL	OFFICE	OFF.
C/C	ON CENTER(S)	O.C.
C/O	ON CENTER EACH WAY	O.C.E.W.
CB	ON CENTER	O.C.
C.O.	OPENING	OPNG.
CLR	OPPOSITE	OPP.
CFG	OUTSIDE DIAMETER	O.D.
CTIG	OUTSIDE FACE	O.D.F.
CMG	OVERFLOW DRAIN	O.V.
COL.	OVERHEAD	OVHD
COMP.	P	
CONC.	PAINT	P
CMU	PAIR	PR.
CMO	PAPER	PNL.
CONN.	PAPER HOLDER	PH
CONST.	PAPER TOWEL DISPENSER	P.T.D.
CONT.	PAPER TOWEL RECEPTACLE	P.T.R.
CONTR.	PAVEMENT	PVN
C.J.	PERIMETER	PERIM.
FL CORR.	PLATE	PL. OR P.
C.C.T.	PLASTER	PLAS.
	PLASTIC LAMINATE	PLAM.
D.L.	PLYWOOD	P.L.Y.W.D.
D	POLISHED	PVC
D.E.T	POLYVINYL CHLORIDE	POLV.
DIAG.	PORELAN TILE	P.P.
DIA.	PRECAST CONCRETE	P.C.
D.W.	REFINISHED	RF.
DISP.	PROJECT (ION)	PROJ.
DN	PROPERTY	PROP.
D.S.		
DT	QUARRY TILE	Q.T.
DWG.		
DF	R	
	RADIUS	R.
EA.	RADIUS POINT	RP.
E.F.	RECESSED	REC.
ELEC.	REFERENCE	REF.
EWC	REFLECTED CEILING PLAN	R.C.P.
	REFLECTOR	REFL.
ELEV.	REINFORCING	REINF.
EQ	REMOVABLE	REM.
EQ.	REQUIRED	REQD.
EXIST.	RETURN AIR	RET.
EXC.	RETAINING	R.A.
EXG.	EQUIP-WAY	E.Q.W.
E.R.D.	RIM ELEVATION	RE
EJ	RISER	R.
E.J.C.	ROOF DRAIN	RD
EXP.	ROOF TOP UNIT	RTU
EXT.	ROOF HATCH	R.H.
	ROOM	RM
	ROUGH OPENING	R.O.
	RUBBER	RUB.
S		
FWC	SANITARY SEWER	SAN
FT.	SAW JOINT	S.J.
FRP	SCHEDULE	SCH.
FNK	SEALANT	SEAL
F.F.	SECTION	SECT.
F.F.E.	SERVICE	SERV.
F.A.	SHEET VINYL	S.V.
F.E.	SHEATHING	SHTHG.
F.E.C.	SHEET	SHET.
F.H.C.	SHIELD METAL	S.M.
FRFF	SLAB-ON-GRADE	S.O.G.
FROC	SOAP DISPENSER	SD
FRSROG	SPACE	SP.
	SPECIFICATIONS	SPEC.
FLASH.	SPECIFIED	SPEC'D.
FLEXG	SQUARE	SQ.
FL	STAIN	S.F.
FD	STAGGERED	STAG'D.
FLG.	STAIN	ST
F.P.P	STAINLESS STEEL	S.S.
F.T.G.	STANDARD	STD.
FDN.	STEEL	STL.
FR	STORAGE	STOR.
STRURG	STRUCTURAL GLAZ	STRUC.
F.V.	STRUCTURAL (REAL)	S.G.F.T.
FIXT.	FACING TILE	
	SURFACE	S.A.
GALV.	SURFACE	SURF.
GA	SUSPENDED	SYP.
G.F.R.G.	SYMMETRICAL	SYM.
T		
G.L.B.	TACKBOARD	TB
G.B.	TACK WALL	T.W.
GR	TELEPHONE	TEL.
GRAN.	TELEPHONE	TELE
FGCMU	TELEVISION	TV.
G	TEMPERATURE	TEMP.
GWB	THICK	THK.
GYP.	THICK	THK.
	THRESHOLD	THR.
H.D.	THROUGH WALL FLASHING	T.W.F.
HC	THROUGH	THRU
HDWE	TINTED INSULATING GLASS	TIIG
H.	TINTED TEMPERED LAMINATED INSULATING GLASS	TLIG
HT	TOP	T.T.
HCTG	TOLLET PAPER DISPENSER	T.P.D.
HP	TONGUE & GROOVE	T & G
HO	TOP OF	T.O.
HO	TOP OF CURB	T.O.C.
H.M.	TOP OF FOOTING	T.O.F.
HORIZ	TOP OF SLOPE	T.O.S.
	TOP OF STEEL	T.O.S.
IN.	TOP OF WALL	T.W.
INFO	TOPOGRAPHY	TO
ID	TOWEL BAR	TB
IF	TOWEL DISPENSER	TD
INSUL.	TOWEL DISPENSER/DISPOSAL	TDOL
INT.	TREAD	T.
IE	TUBE STEEL	T.S.
I.T.P.S.	TYP	TYP.

U	UNDERGROUND	UG
	UNDERGROUND ELECTRICAL	UGE
	UNDERGROUND TELEPHONE	UGT
	UNIT HEATER	UH
	UNLESS NOTED OTHERWISE	U.N.O.
	URNAL	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	WSC.
	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.

NON-FIRE RATED PARTITION WALL

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" O.C. BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.
A1	3-5/8" NON-LOAD BEARING METAL STUDS @ 16" O.C. BOTH SIDES UP TO STRUCTURE.
A6	6" NON-LOAD BEARING METAL STUDS @ 16" O.C. BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.
A7	6" NON-LOAD BEARING METAL STUDS @ 16" O.C. BOTH SIDES UP TO STRUCTURE.

1 THE TRADE CONTRACTOR SHALL PERFORM ALL TESTS AS SPECIFIED OR AS NECESSARY TO DEMONSTRATE COMPLETE AND
2 SATISFACTORY INSTALLATIONS OF ALL SYSTEMS PROVIDED UNDER THIS CONTRACT.

3 4. VERIFY MECHANICAL, PLUMBING AND ELECTRICAL CONDITIONS FOR SCOPE AND INTERFACE. TRADE CONTRACTOR SHALL
4 COORDINATE THE LOCATION OF ALL MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS WITH GENERAL CONSTRUCTION. REVIEW
5 ANY DISCREPANCIES WITH ARCHITECT PRIOR TO INSTALLATION AND/OR FABRICATION.

6 PRIOR TO BIDDING, TRADE CONTRACTOR SHALL VISIT THE SITE AND REVIEW CONDITIONS. TRADE CONTRACTOR SHALL FIELD
7 VERIFY THE SITE CONDITIONS AND PROVIDE A TIME SCHEDULE FOR THE PROJECT. VERIFIABILITY. TRADE CONTRACTOR
8 SHALL FIELD VERIFY DIMENSIONS PRIOR TO ORDERING RELATED MATERIALS OF CONSTRUCTION.

9 5. PROTECT ALL SITE LOCATIONS THAT ARE NOT DESIGNATED FOR REMOVAL. ANY DAMAGE CAUSED BY THE TRADE
10 CONTRACTOR SHALL BE REPAIRED AT THE TRADE CONTRACTOR'S EXPENSE.

11 TRADE CONTRACTOR SHALL CONTACT THE ARCHITECT THROUGH THE CM BY USING PROCORE, IN THE EVENT THAT
12 UNFORESEEN CONDITIONS ARE ENCOUNTERED.

13 6. PROVIDE WOOD BLOCKS, SCREWS, FINISH TRIM, BUILDING HARDWARE AND TOILET ACCESSORIES TO BE
14 MOUNTED ON WALLS. PROVIDE CONTINUOUS WOOD BLOCKING HORIZONTALLY AND VERTICALLY BEHIND ALL HUNG WALL
15 EQUIPMENT, ACCESSORIES, COUNTERS AND ANY OTHER BUILDING MATERIALS REQUIRING ANCHORING TO WALLS, CEILING
16 OR FLOOR. PROVIDE ALL NECESSARY MATERIALS TO FINISH THE STRUCTURE.

17 7. AREAS NOTED AS N.O.C. ARE NOT IN CONTRACT.

18 8. TRADE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL AREAS. PRESERVE THE STRUCTURE.

19 9. ALL MECHANICAL OPENINGS AND OTHER OPENINGS OR PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED TO
20 MAINTAIN RATINGS.

21 10. ALL WORK SHALL COMPLY WITH APPLICABLE CODES, REGULATIONS, AND ORDINANCES.

22 11. ALL STUDS SHALL BE HELD AT LEAST 1/4" AWAY FROM STRUCTURAL STEEL COLUMNS.

23 12. IN SOME INSTANCES, THERMAL AND SOUND BATT INSULATION HAS BEEN OMITTED FROM THE DETAILS FOR CLARITY. SEE
24 WALL TYPES.

25 13. ALL ANGLES ON PLAN ARE 90 DEGREES OR 45 DEGREES UNLESS NOTED OTHERWISE.

26 14. WHERE WALL TYPES ARE INDICATED ON LARGE SCALE PLAN DETAILS. NOT ALL STUDS AND/OR Furring ARE SHOWN ON THE
27 DETAILS. IN SOME INSTANCES, STUDS OR Furring ARE SHOWN USING AN UNNOTED FRAMING METHOD. TRADE CONTRACTOR SHALL ALSO
28 COMPLY WITH THOSE OUTLINED IN THE SPECIFICATIONS.

29 15. WHENEVER THE TRADE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN
30 ASBESTOS, THE CONTRACTOR SHALL STOP WORK AND IMMEDIATELY NOTIFY THE ARCHITECT. THE ARCHITECT SHALL CONTACT THE
31 ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. TRADE CONTRACTORS SHALL
32 AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER.

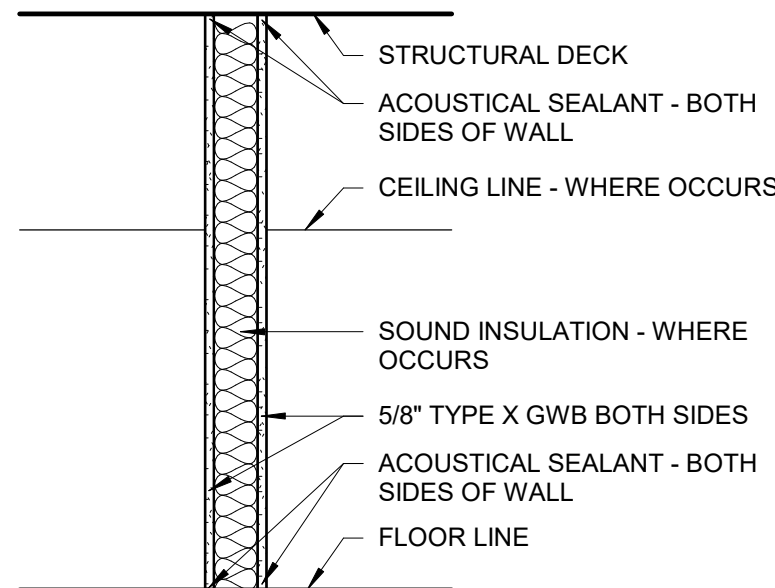
33 16. TRADE CONTRACTOR SHALL PROTECT ALL EXISTING WORK. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS
34 OF ALL EXISTING WORK WITH ARCHITECT AND CARRIER. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS
35 OF ALL EXISTING WORK WITH ARCHITECT AND CARRIER. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS
36 OF ALL EXISTING WORK WITH ARCHITECT AND CARRIER. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS
37 OF ALL EXISTING WORK WITH ARCHITECT AND CARRIER. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS
38 OF ALL EXISTING WORK WITH ARCHITECT AND CARRIER. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS
39 OF ALL EXISTING WORK WITH ARCHITECT AND CARRIER. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS
40 OF ALL EXISTING WORK WITH ARCHITECT AND CARRIER. PROVIDE CHASES IN CORNERS FOR VERTICAL RUNS. COORDINATE ACTUAL LOCATIONS

41 17. PROTECT ALL EXISTING SURFACES. MATERIALS AND EQUIPMENT SHOWN TO REMAIN. TRADE CONTRACTOR SHALL BE
42 RESPONSIBLE TO REPAIR / REPLACE ANY DAMAGED SURFACES, EQUIPMENT AND MATERIALS.

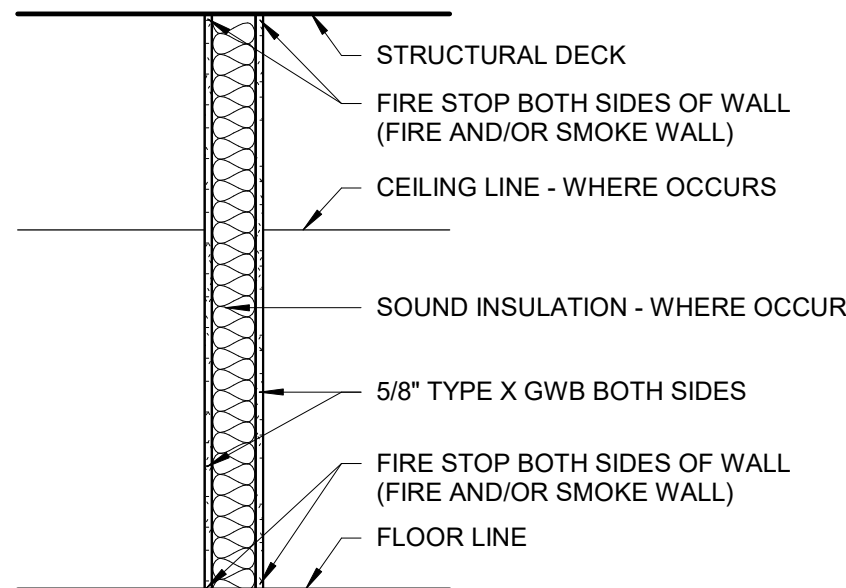
43 18. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL AREAS. PRESERVE THE STRUCTURE. MATERIALS. I.E. WHERE DRYWALL ABUTS
44 MASONRY, HOLLOW METAL FRAME PERIMETER AND AS SPECIFIED OR AS DETAILED.

45 IT IS THE INTENT OF THIS TRADE CONTRACT THAT ALL AREAS AFFECTED BY CONSTRUCTION BE A FINISHED AND COMPLETE
46 TRADE CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WORK AFFECTED OR DAMAGED BY DEMOLITION TO MATCH NEW
47 CONSTRUCTION. FINISH ALL SURFACES IN THEIR ENTIRETY. I.E. CORNER TO CORNER.

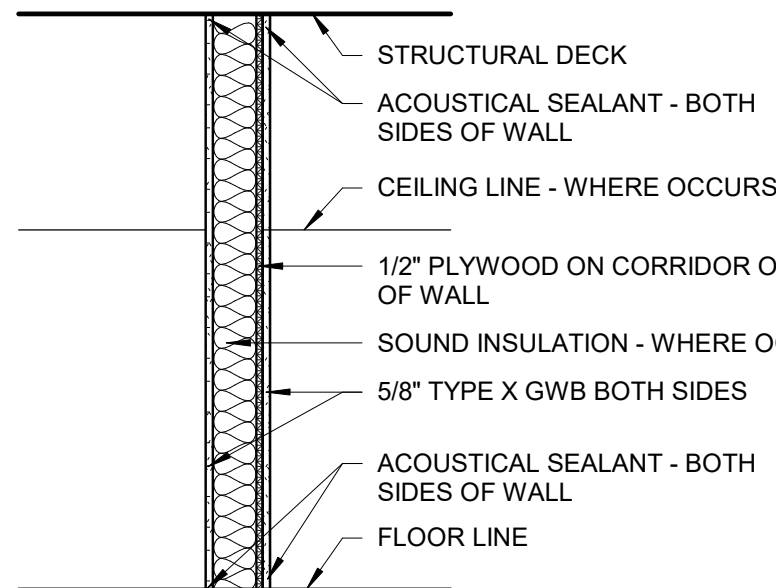
48 19. PROVIDE PROTECTIVE BOARDING AND GULLIES AT A MINIMUM OF 30 FEET IF THERE IS NO PERIMETER
49 RELIEF. IF THERE IS PERIMETER RELIEF, THE MAXIMUM SPACING CAN BE 50 FEET.



STC RATING - 48		TEST: RAL-TL-11-068
STC RATING - 40		TEST: USG-800808
	3-5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.	
	3-5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES UP TO STRUCTURE.	
	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.	
	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES UP TO STRUCTURE.	

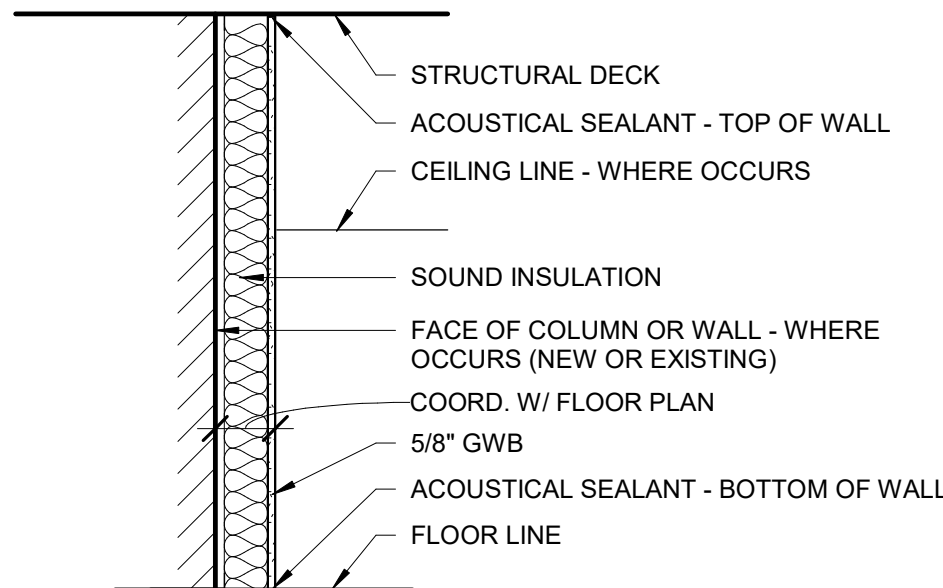


STC RATING - 49		TEST: SA-870-717
STC RATING - 40		TEST: USG-8600808
	3-5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.	
	3-5/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES UP TO STRUCTURE.	
	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES & SOUND INSULATION UP TO STRUCTURE.	
	6" NON-LOAD BEARING METAL STUDS @ 16" OC W/ 5/8" TYPE X GWB BOTH SIDES UP TO STRUCTURE.	

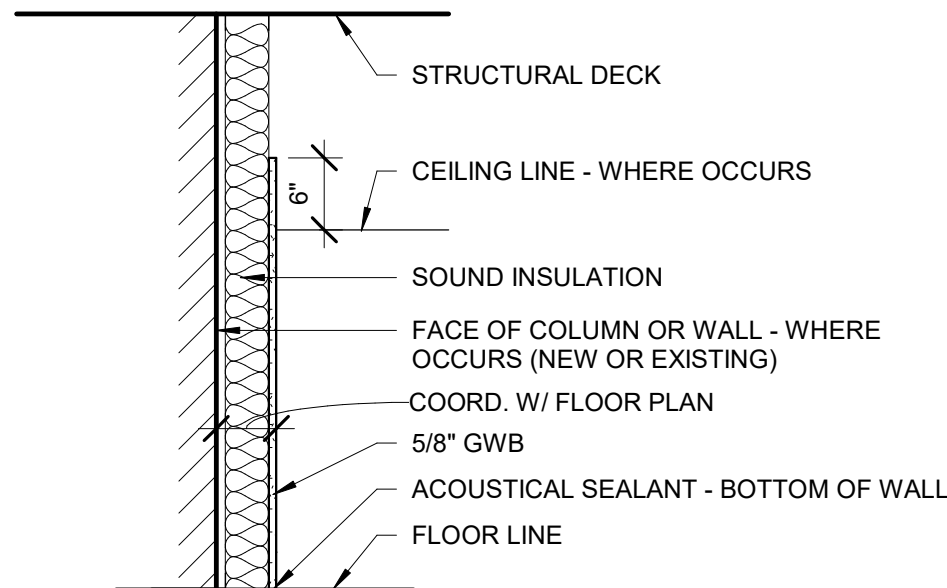


STC RATING - 49		TEST: SA-870-717
STC RATING - 40		TEST: USG-860808

	3/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ BOTH SIDES, 1/2" FIRE RATED PLYWOOD ON COR SIDE OF WALL & SOUND INSULATION UP TO STRUCTURE.
	3/8" NON-LOAD BEARING METAL STUDS @ 16" OC W/ BOTH SIDES, 1/2" FIRE RATED PLYWOOD ON COR SIDE OF WALL UP TO STRUCTURE.
	1" NON-LOAD BEARING METAL STUDS @ 16" OC W/ BOTH SIDES, 1/2" FIRE RATED PLYWOOD ON CORRIDOR WALL & SOUND INSULATION UP TO STRUCTURE.
	1" NON-LOAD BEARING METAL STUDS @ 16" OC W/ BOTH SIDES, 1/2" FIRE RATED PLYWOOD ON CORRIDOR WALL & SOUND INSULATION UP TO STRUCTURE.



	3-5/8" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE W/ SOUND INSULATION.
	3-5/8" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO B.O. CEILING W/ 5/8" GWB ONE SIDE & THERMAL INSULATION
	2-1/2" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE.
	6" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE W/ SOUND INSULATION.
	6" NON-LOAD BEARING METAL STUDS @ 16" OC UP TO STRUCTURE W/ 5/8" GWB ONE SIDE.



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.

DETAIL		detail number sheet where detail is found
ELEVATION		detail number sheet where detail is found
WALL SECTION REFERENCE		
BUILDING SECTION REFERENCE		
HEIGHT ELEVATION		T.O. MASONRY EL. = #'-#"
COLUMN LINE		
WALL TYPE		
ROOM NAME AND NUMBER		<u>ROOM NAME</u> <u>ROOM #</u>
NORTH ARROW		
DOOR OPENING		
EXISTING DOOR		
WINDOW OPENING		
SECURITY SCREEN		
KEYNOTE - SEE SHEET FOR DESCRIPTION		

		DRAWN	DESIGNED	CHECKED	PROJ.
EARTH					KPE
GRANULAR FILL					KPE
CONCRETE					BY
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					
GYPSSUM BOARD OR PLASTER					
CERAMIC OR QUARRY TILE					
ACOUSTICAL TILE					
CARPET					
MORTAR NET					

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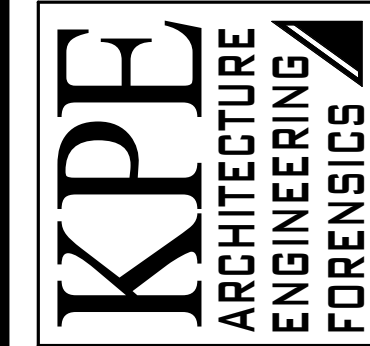
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DHS CHIMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

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

ABBREVIATIONS & GENERAL NOTES

3555 FARNAM ST., SUITE 406
OMAHA, NE 68131
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM



DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	G001

GENERAL INFORMATION:

OWNER:

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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 EXISTING BUILDING IS BEING DESIGNED AS A LEVEL 2 ALTERATION IN ACCORDANCE WITH THE 2015 (IEBC) INTERNATIONAL EXISTING BUILDING CODE AND CHAPTER 4, SECTION 408 OF THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)

*(THE ELEVATOR ADDITION IS BEING DESIGNED IN ACCORDANCE WITH THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)

*(THE EXISTING BUILDING HAS AN AUTOMATIC FIRE SPRINKLER SYSTEM AND FIRE ALARM SYSTEM, BOTH WILL BE MODIFIED TO MEET ALL CURRENT CODES.)

2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC):

TABLE C301.1:

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

TABLE C402.3:

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

*R-5.7 C.I. IS ALLOWED TO BE SUBSTITUTED WITH CONCRETE BLOCK WALLS COMPLYING WITH ASTM C90, UNROUTED OR PARTIALLY GROUDED AT 30 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-FI2)-F).

BELOW GRADE WALL: R-5.7 C.I.
UNWEATED SLABS: R-10 FOR 24 INCHES BELOW
OPAQUE DOORS (SWINGING): U = 0.37
VERTICAL FENESTRATION:
FIXED: U = 0.36
ENTRANCE DOORS: U = 0.77
SHGC: 0.40

*(THE ENERGY CODE REQUIREMENTS WILL BE FOR THE ELEVATOR ADDITION ONLY.)

2015 INTERNATIONAL EXISTING BUILDING CODE (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 CHAPTERS 5 THROUGH 15 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:

ALTERATIONS 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 TECHNICALLY 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 REQUIREMENTS 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 803.2.2 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 HANDRAIL ARE JUDGED TO BE IN DANGER OF COLLAPSING, 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 REQUIREMENTS 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 INTERNATIONAL 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 SEPARATION 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 ACCESSIBILITY 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 INTERNATIONAL BUILDING CODE (IBC):

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 2:

THIS OCCUPANCY CONDITION SHALL INCLUDE BUILDINGS IN WHICH FREE MOVEMENT IS ALLOWED FROM SLEEPING AREAS AND ANY OTHER OCCUPIED SMOKE COMPARTMENT TO ONE OR MORE OTHER SMOKE COMPARTMENTS. EGRESS TO THE EXTERIOR IS IMPEDED BY LOCKED EXITS.

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY (IBC CHAPTER 4):

SECTION 408 GROUP I-3:

408.3 MEANS OF EGRESS:

EXCEPT AS MODIFIED OR AS PROVIDED FOR IN THIS SECTION, THE MEANS OF EGRESS PROVISIONS OF CHAPTER 10 SHALL APPLY.

408.3.1 DOOR WIDTH:

DOORS TO RESIDENT SLEEPING UNITS SHALL HAVE A CLEAR WIDTH OF NOT LESS THAN 28 INCHES.

408.3.6 EXIT DISCHARGE:

EXITS ARE PERMITTED TO DISCHARGE INTO A FENCED OR WALLED COURTYARD, ENCLOSED YARDS OR COURTS, SHALL BE OF A SIZE TO ACCOMMODATE ALL OCCUPANTS, BE LOCATED NOT LESS THAN 50 FEET FROM THE BUILDING AND HAVE AN AREA OF NOT LESS THAN 15 SQUARE FEET PER PERSON.

408.3.7 SALLYPORTS:

A SALLYPORT SHALL BE PERMITTED IN A MEANS OF EGRESS WHERE THERE ARE PROVISIONS FOR CONTINUOUS AND UNOBSTRUCTED PASSAGE THROUGH THE SALLYPORT DURING AN EMERGENCY EGRESS CONDITION.

408.4 LOCKS:

EGRESS DOORS ARE PERMITTED TO BE LOCKED IN ACCORDANCE WITH THE APPLICABLE USE CONDITION. DOORS FROM A REFUGE AREA TO THE OUTSIDE ARE PERMITTED TO BE LOCKED WITH A KEY IN LIEU OF LOCKING METHODS DESCRIBED IN SECTION 408.4.1. THE KEYS TO UNLOCK THE EXTERIOR DOORS SHALL BE AVAILABLE AT ALL TIMES AND THE LOCKS SHALL BE OPERABLE FROM BOTH SIDES OF THE DOOR.

408.4.1 REMOTE RELEASE:

REMOTE RELEASE OF LOCKS ON DOORS IN A MEANS OF EGRESS SHALL BE PROVIDED WITH RELIABLE MEANS OF OPERATION, REMOTE FROM THE RESIDENT LIVING AREAS, TO RELEASE LOCKS ON ALL REQUIRED DOORS.

408.4.3 REDUNDANT OPERATION:

REMOTE RELEASE, MECHANICALLY OPERATED SLIDING DOORS OR REMOTE RELEASE, MECHANICALLY OPERATED LOCKS SHALL BE PROVIDED WITH A MECHANICALLY OPERATED RELEASE MECHANISM AT EACH DOOR, OR SHALL BE PROVIDED WITH A REDUNDANT REMOTE RELEASE CONTROL.

408.4.4 RELOCK CAPABILITY:

DOORS REMOTELY UNLOCKED UNDER EMERGENCY CONDITIONS SHALL NOT AUTOMATICALLY RELOCK WHEN CLOSED UNLESS SPECIFIC ACTION IS TAKEN AT THE REMOTE LOCATION TO ENABLE DOORS TO RELOCK.

408.5 PROTECTION OF VERTICAL OPENINGS:

ANY VERTICAL OPENING SHALL BE PROTECTED BY A SHAFT ENCLOSURE IN ACCORDANCE WITH SECTION 713.

408.6 SMOKE BARRIER:

OCCUPANCIES IN GROUP I-3 SHALL HAVE SMOKE BARRIERS COMPLYING WITH SECTIONS 408.7 AND 709 TO DIVIDE EVERY STORY OCCUPIED BY RESIDENTS FOR SLEEPING, OR ANY OTHER STORY HAVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS, INTO NO FEWER THAN TWO SMOKE COMPARTMENTS.

408.6.1 SMOKE COMPARTMENTS:

THE NUMBER OF RESIDENTS IN ANY SMOKE COMPARTMENT SHALL BE NOT MORE THAN 200. THE DISTANCE OF TRAVEL TO A DOOR IN A SMOKE BARRIER FROM ANY ROOM DOOR REQUIRED AS EXIT ACCESS SHALL BE NOT GREATER THAN 150 FEET. THE DISTANCE OF TRAVEL TO A DOOR IN A SMOKE BARRIER FROM ANY POINT IN A ROOM SHALL BE NOT GREATER THAN 200 FEET.

408.6.2 REFUGE AREA:

NOT LESS THAN 6 NET SQUARE FEET PER OCCUPANT SHALL BE PROVIDED ON EACH SIDE OF EACH SMOKE BARRIER FOR THE TOTAL NUMBER OF OCCUPANTS IN ADJOINING SMOKE COMPARTMENTS. THIS SPACE SHALL BE READILY AVAILABLE WHEREVER THE OCCUPANTS ARE MOVED ACROSS THE SMOKE BARRIER IN A FIRE EMERGENCY.

408.6.3 INDEPENDENT EGRESS:

A MEANS OF EGRESS SHALL BE PROVIDED FROM EACH SMOKE COMPARTMENT CREATED BY SMOKE BARRIERS WITHOUT HAVING TO RETURN THROUGH THE SMOKE COMPARTMENT FROM WHICH MEANS OF EGRESS ORIGINATES.

408.8 SUBDIVISION OF RESIDENT HOUSING AREAS:

SLEEPING AREAS AND ANY CONTIGUOUS DAY ROOM, GROUP ACTIVITY SPACE OR OTHER COMMON SPACES WHERE RESIDENTS ARE HOUSED SHALL BE SEPARATED FROM OTHER SPACES IN ACCORDANCE WITH SECTIONS 408.8.1 THROUGH 408.8.4.

408.8.3 OPENINGS IN ROOM FACE:

THE AGGREGATE AREA OF OPENINGS IN A SOLID SLEEPING ROOM FACE IN OCCUPANCY CONDITIONS 2, 3, 4, AND 5 SHALL NOT EXCEED 120 SQUARE INCHES. THE AGGREGATE AREA SHALL INCLUDE ALL OPENINGS INCLUDING DOOR UNDERCUTS, FOOD PASSES AND GRILLES. OPENINGS SHALL BE NOT MORE THAN 36-INCHES ABOVE THE FLOOR.

408.8.4 SMOKE-TIGHT DOORS:

DOORS IN OPENINGS IN PARTITIONS REQUIRED TO BE SMOKE TIGHT BY SECTION 408.8 SHALL BE SUBSTANTIAL, DOORS, OF CONSTRUCTION THAT WILL RESIST THE PASSAGE OF SMOKE, LATCHES AND DOOR CLOSURES ARE NOT REQUIRED ON CELL DOORS.

408.9 WINDOWLESS BUILDINGS:

FOR THE PURPOSES OF THIS SECTION, A WINDOWLESS BUILDING OR PORTION OF A BUILDING IS ONE WITH NON-OPERABLE WINDOWS, WINDOWLESS BUILDINGS OR PORTION OF A BUILDING WITH WINDOWLESS BUILDINGS SHALL BE PROVIDED WITH AN ENGINEERED SMOKE CONTROL SYSTEM TO BE PROVIDE A TENABLE ENVIRONMENT FOR EXITING FROM THE SMOKE COMPARTMENT IN THE AREA OF FIRE ORIGIN IN ACCORDANCE WITH SECTION 909 FOR EACH WINDOWLESS SMOKE COMPARTMENT.

*(IN DISCUSSIONS WITH THE BUILDING CODE OFFICIALS, SINCE WE ARE A CONDITION 2 AND THE OCCUPANTS ARE ALLOWED FREE EGRESS FROM ONE SMOKE COMPARTMENT TO ANOTHER, AN ENGINEERED SMOKE CONTROL SYSTEM WILL NOT BE REQUIRED.)

408.10 FIRE ALARM SYSTEM:

A FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907.2.6.3.

408.11 AUTOMATIC SPRINKLER SYSTEM:

GROUP I-3 OCCUPANCIES SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.6.

BUILDING HEIGHT AND AREAS (IBC CHAPTER 5):

BASIC ALLOWABLE (TABLE 503):

OCCUPANCY TYPE: I-3 / CONDITION 2
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)

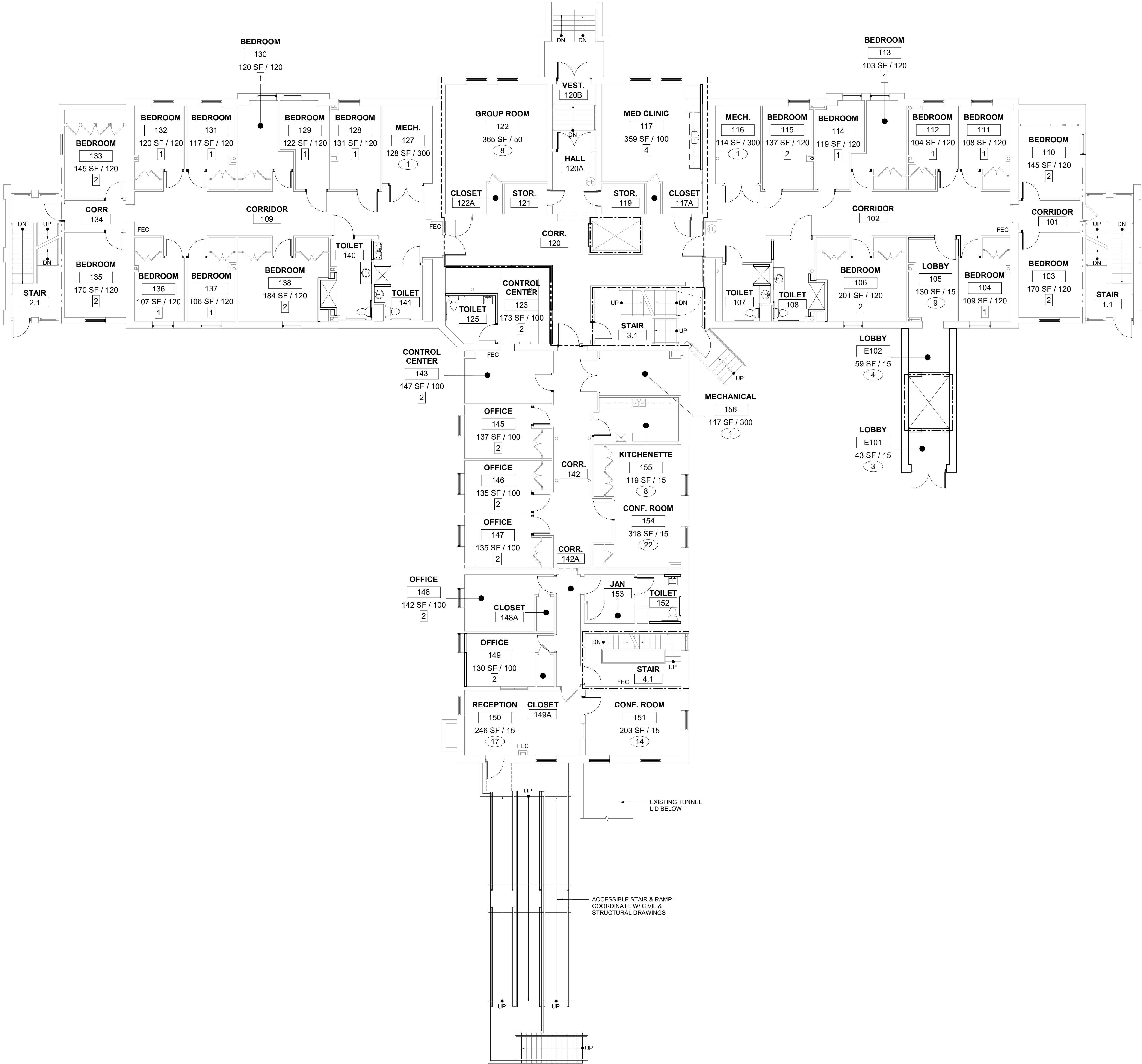
SECTION 506 BUILDING AREA MODIFICATIONS:

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

Aa = A1 + [Ns x I]
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*



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:

--- 2-HR EXISTING FIRE RATED WALL WITH 90 MINUTE RATED OPENINGS
--- 1-HR FIRE RATED WALL WITH 60 MINUTE RATED OPENINGS
--- SMOKE BARRIER WITH 20 MINUTE RATED OPENINGS
FEC FIRE EXTINGUISHER CABINET - WALL MOUNTED

0 0
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 2
CONSTRUCTION TYPE: V-B

*(THE EXISTING BUILDING IS BEING DESIGNED AS A LEVEL 2 ALTERATION IN ACCORDANCE WITH THE 2015 (IEBC) INTERNATIONAL EXISTING BUILDING CODE AND CHAPTER 4, SECTION 408 OF THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)

*(THE ELEVATOR ADDITION IS BEING DESIGNED IN ACCORDANCE WITH THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)

*(THE EXISTING BUILDING HAS AN AUTOMATIC FIRE SPRINKLER SYSTEM AND FIRE ALARM SYSTEM, BOTH 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)
11,888 SF (FIRST LEVEL)
11,888 SF (SECOND LEVEL)
35,735 SF
TOTAL ACTUAL BUILDING AREA: 11,888 SF (BASEMENT LEVEL)
11,888 SF (FIRST LEVEL)
11,888 SF (SECOND LEVEL)
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 ALLOWABLE 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 ALLOWABLE 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)
8'8" (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 HILO 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 SUBSTITUTE 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 HILO 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 SUBSTITUTE 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: MAM
DESIGNED: MAM
CHECKED: MAM
PROJ. MGR: MAM

DATE: 03-22-2024
BY: [Signature]
NO. 0
DESCRIPTION: BD SET

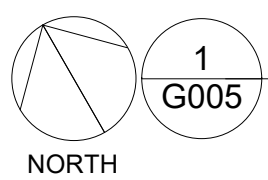
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CHEROKEE MENTAL HEALTH INSTITUTE
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ARCHITECTURE
ENGINEERING
FORENSICS

DATE: 03-22-2024
JOB NUMBER: 257-014
SHEET: G004



CODE REVIEW PLAN - SECOND LEVEL

1/8" = 1'-0"

APPLICABLE BUILDING CODES:

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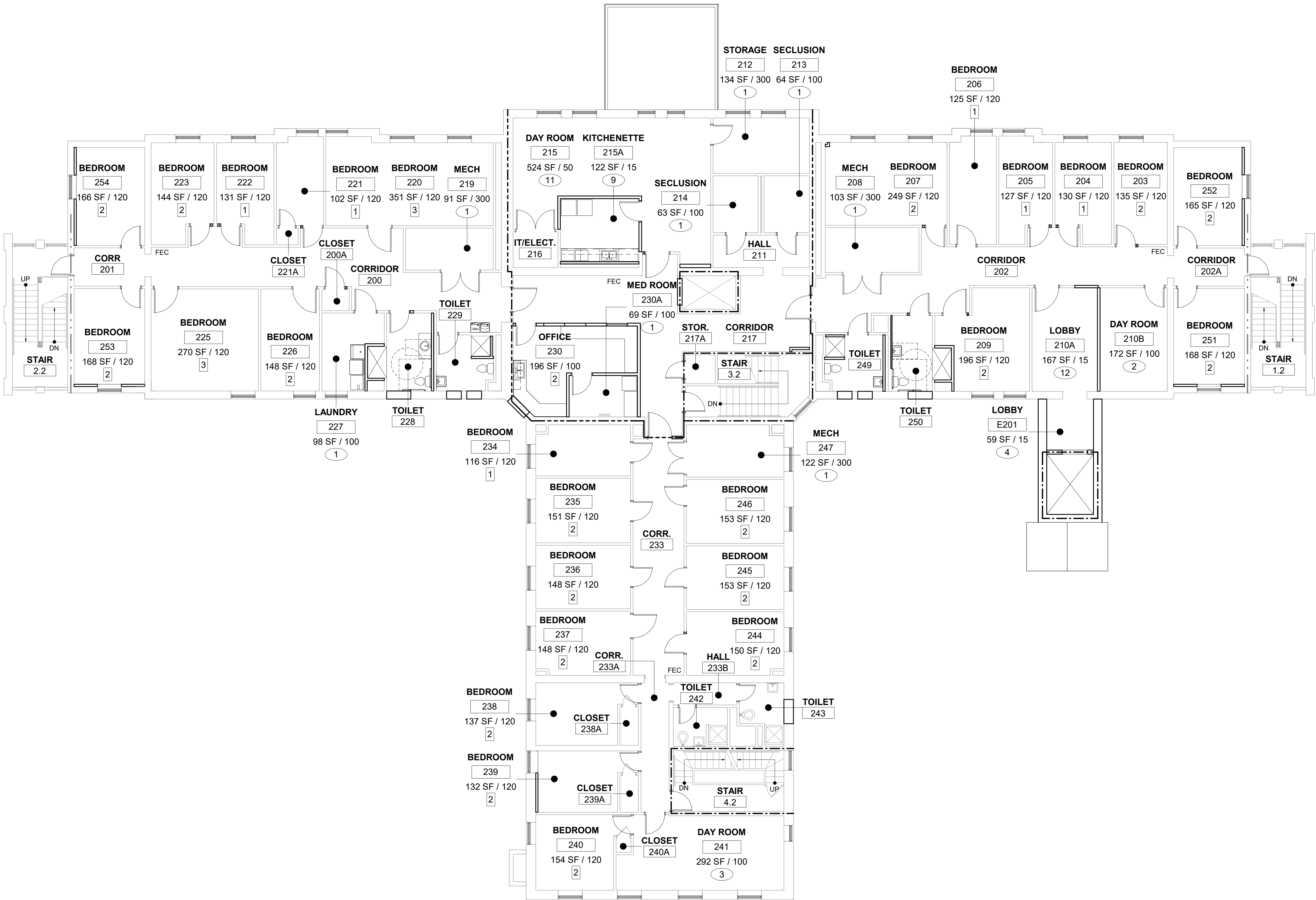
CODE REVIEW LEGEND:

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--- 1-HR FIRE RATED WALL WITH 60 MINUTE RATED OPENINGS
--- SMOKE BARRIER WITH 20 MINUTE RATED OPENINGS
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 2
CONSTRUCTION TYPE: V-B
*(THE EXISTING BUILDING IS BEING DESIGNED AS A LEVEL 2 ALTERATION IN ACCORDANCE WITH THE 2015 (IEBC) INTERNATIONAL EXISTING BUILDING CODE AND CHAPTER 4, SECTION 408 OF THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)
*(THE ELEVATOR ADDITION IS BEING DESIGNED IN ACCORDANCE WITH THE 2015 (IBC) INTERNATIONAL BUILDING CODE.)
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*(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) 11,869 SF (FIRST LEVEL)
TOTAL ACTUAL BUILDING AREA: 11,888 SF (SECOND LEVEL)
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 ALLOWABLE 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 ALLOWABLE 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)
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7" (SECOND LEVEL)
TOTAL: 13.8"
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EGRESS WIDTH PROVIDED: 128" (TOTAL OF 4 STAIRS)
48" (RAMP)
TOTAL: 176"
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PLUMBING FIXTURES (TABLE 422.1):
CORRECTIONAL FACILITIES OCCUPANT COUNT FOR PLUMBING FIXTURES: 69
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 HILO 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 SUBSTITUTE FOR THE DRINKING FOUNTAIN.)
MOP SINK: 1 1
EMPLOYEE OCCUPANT COUNT FOR PLUMBING FIXTURES: 15
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 HILO 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 SUBSTITUTE FOR THE DRINKING FOUNTAIN.)
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GENERAL EXISTING ELEVATOR NOTES:
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DRAWN:	MAM
DESIGNED:	MAM
CHECKED:	MAM
PROJ. MGR:	MAM
BY:	
DATE:	03-22-2024
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DESCRIPTION	BD SET

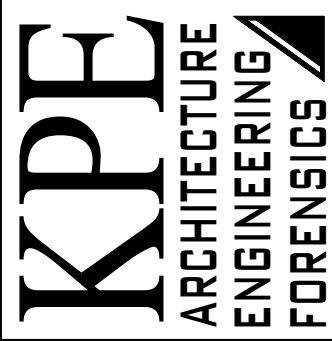
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CODE REVIEW PLAN - SECOND LEVEL

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DATE: 03-22-2024
JOB NUMBER: 257-014
SHEET: G005

REMOVE STUMP AND ROOTS -



1. OWNER TO REMOVE TREES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR REMOVING THE REMAINING STUMP AND ROOTS IN LOCATIONS SHOWN ON THE PLAN.
2. FILL HOLE FROM TREE REMOVAL WITH TOPSOIL AND SEED WITH SUDAS TYPE 1 SEED MIX.

[illegible]

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STUMP AND ROOT REMOVALS

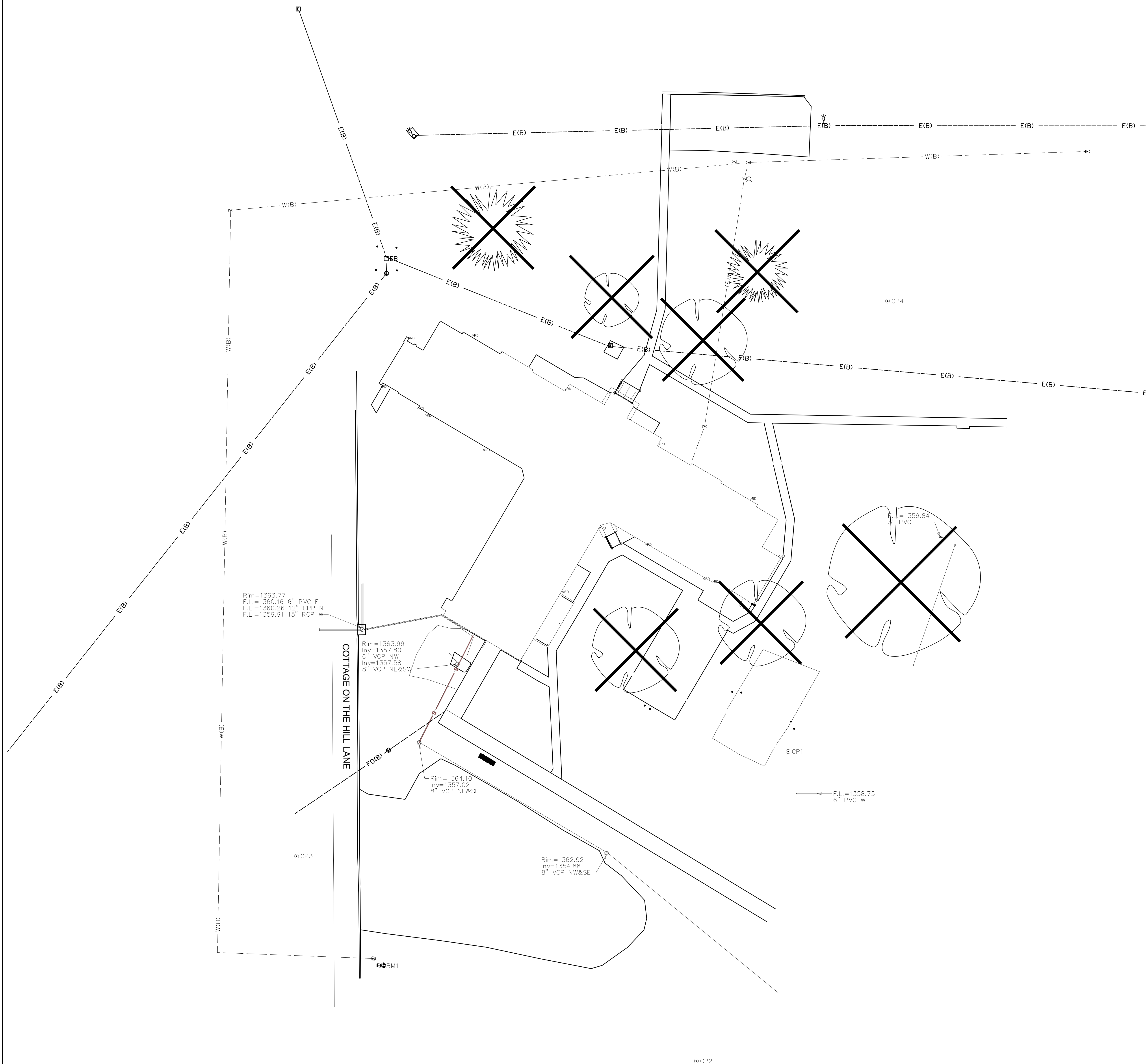
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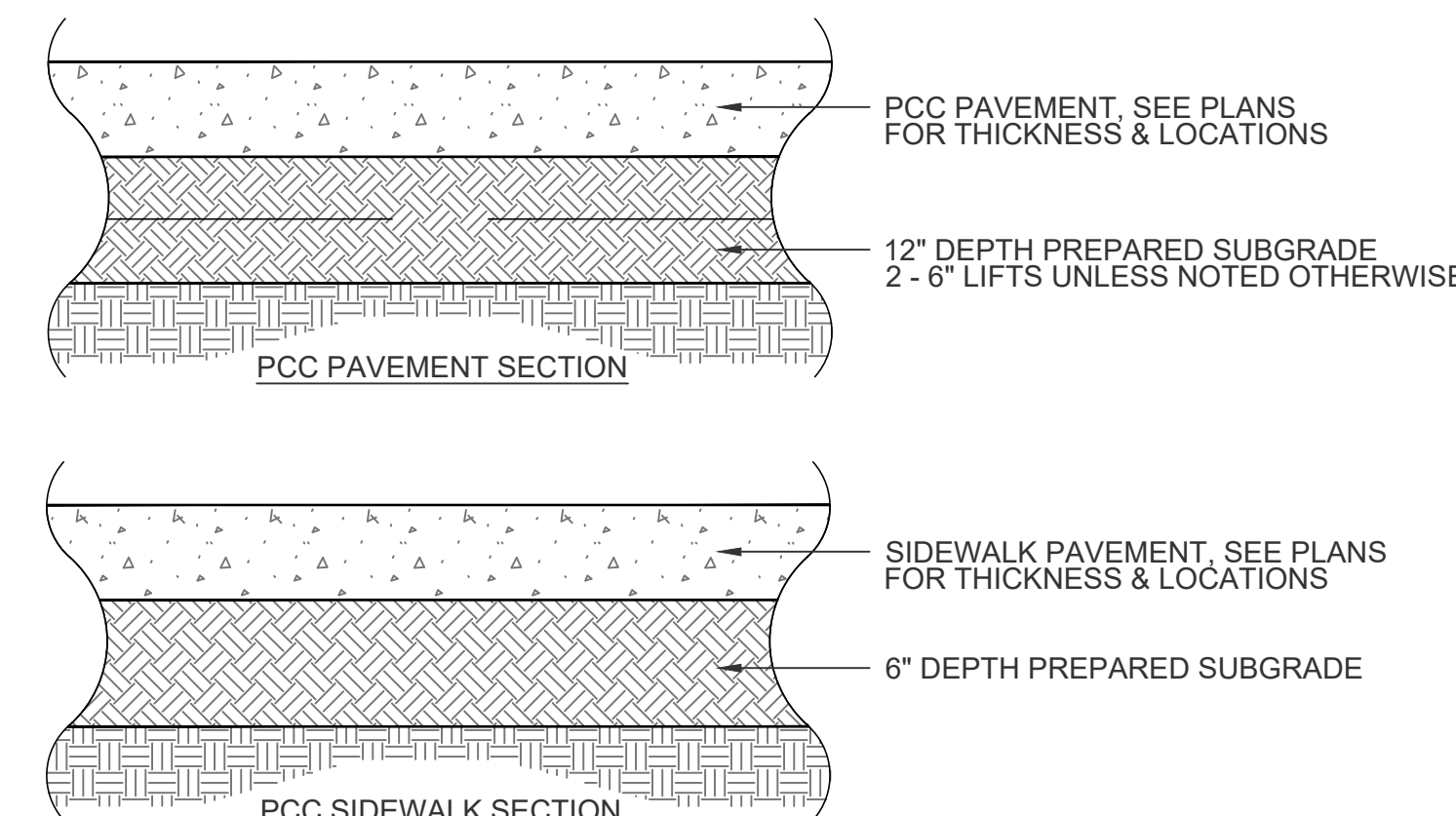
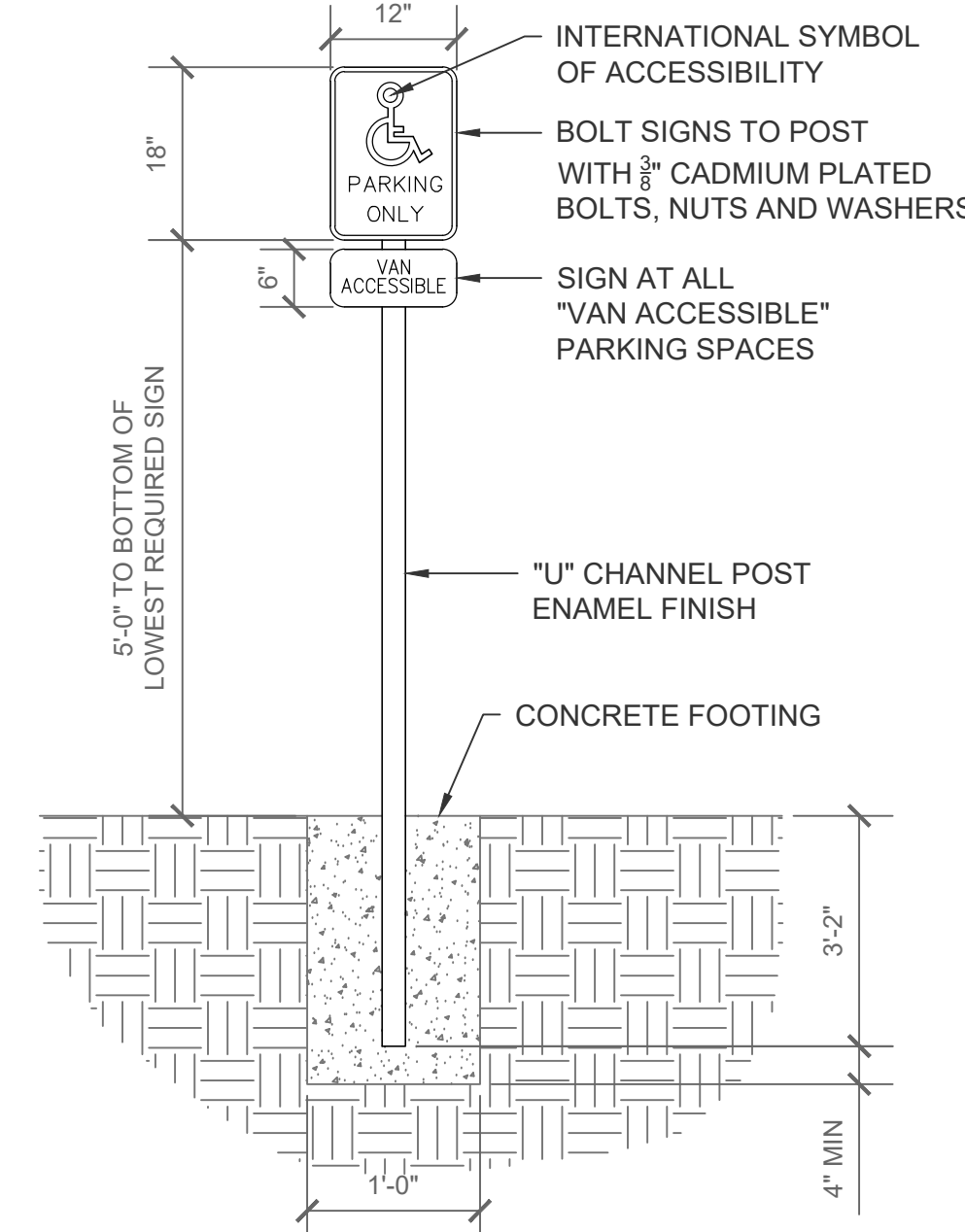
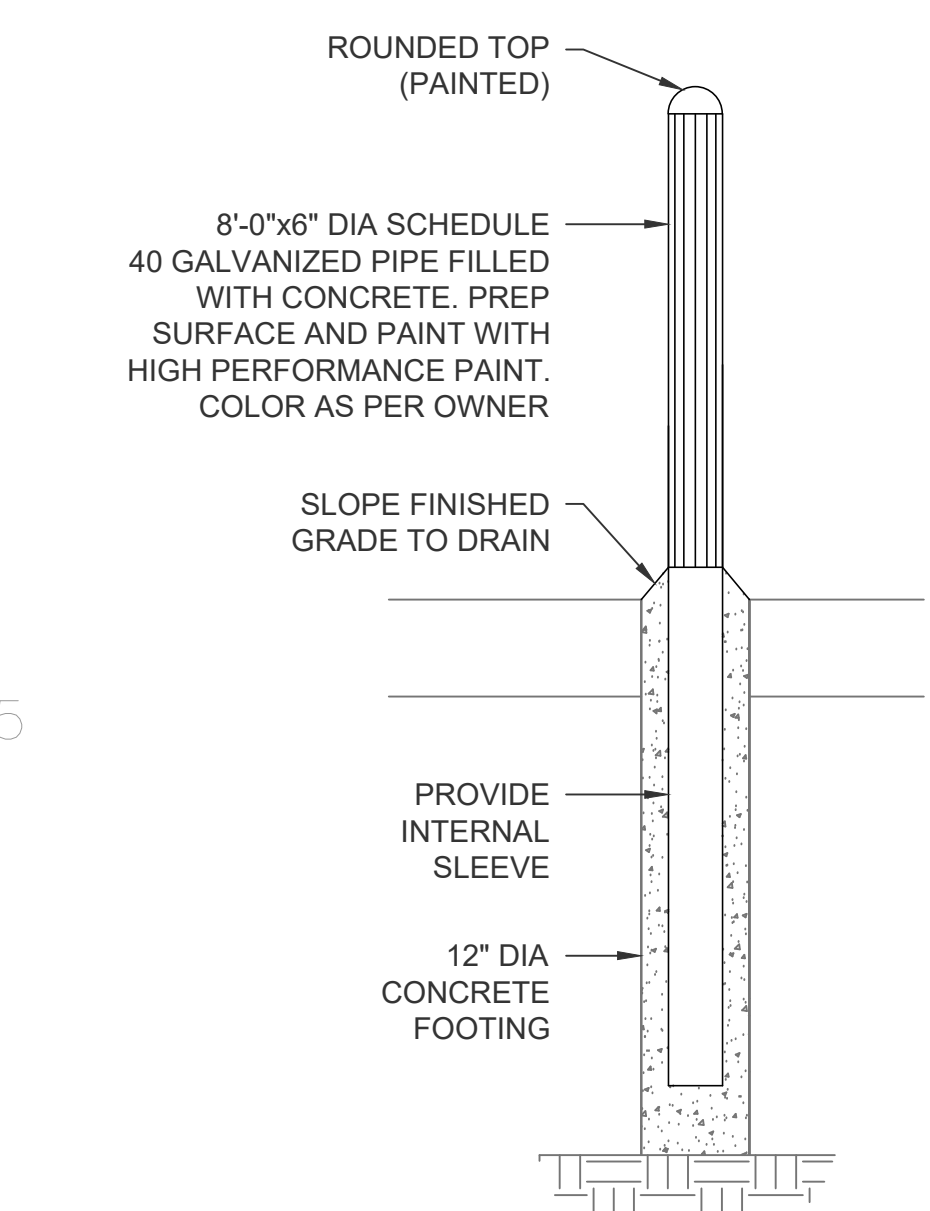
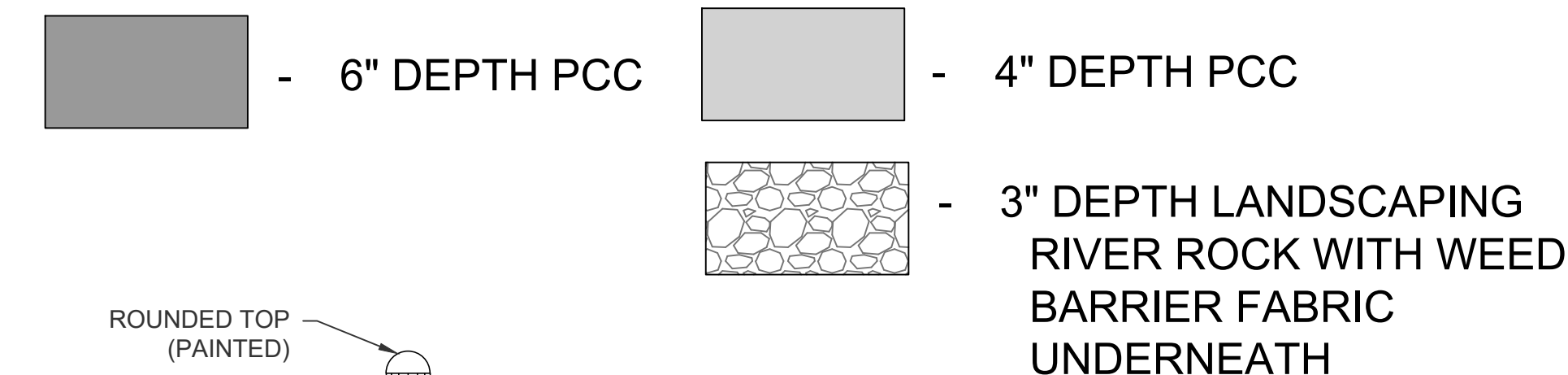
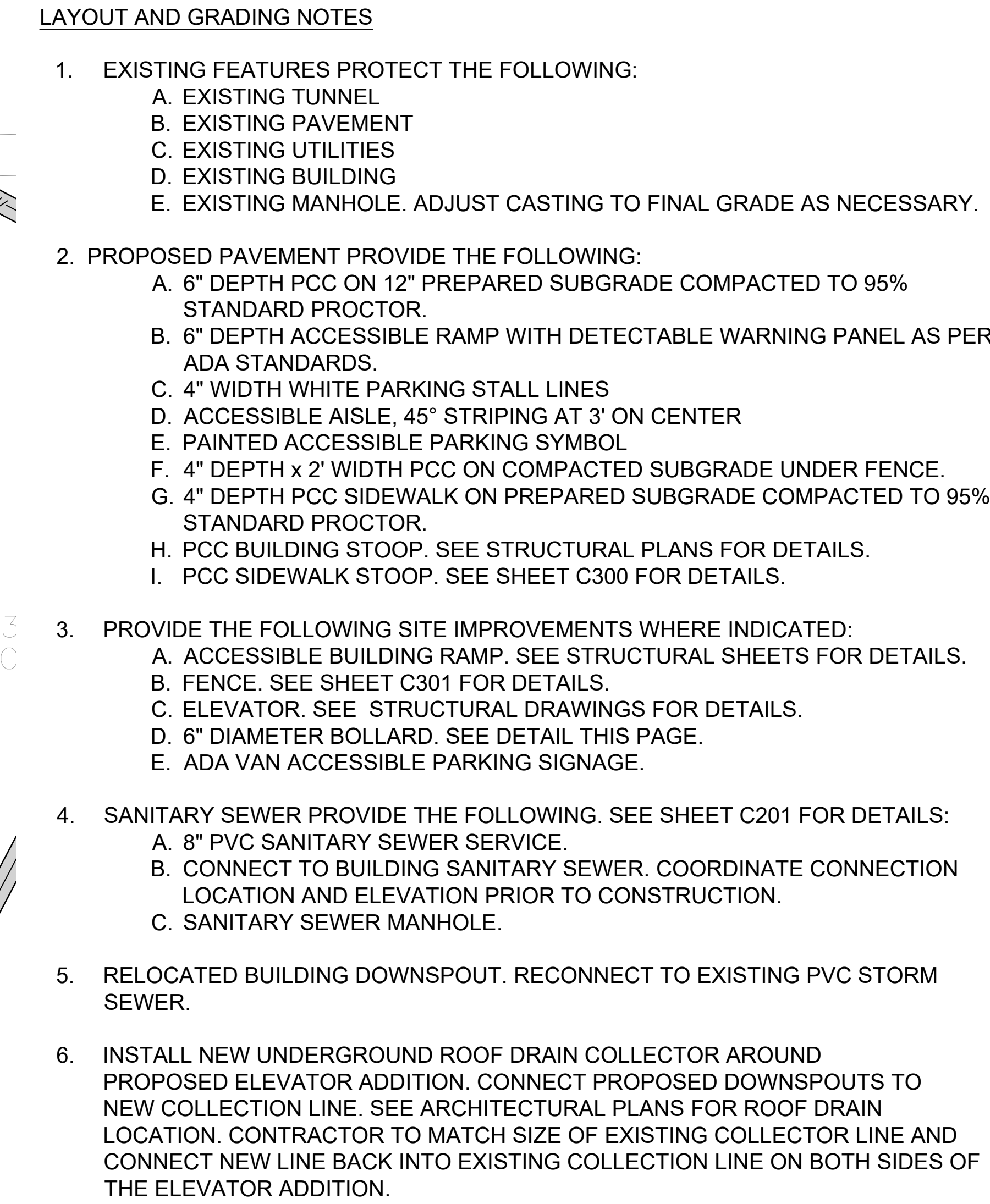


DATE: 03-22-2024

JOB NUMBER:
257-014

SHEET: **C102**





					DRAWN:	XXX
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					03-22-2024	

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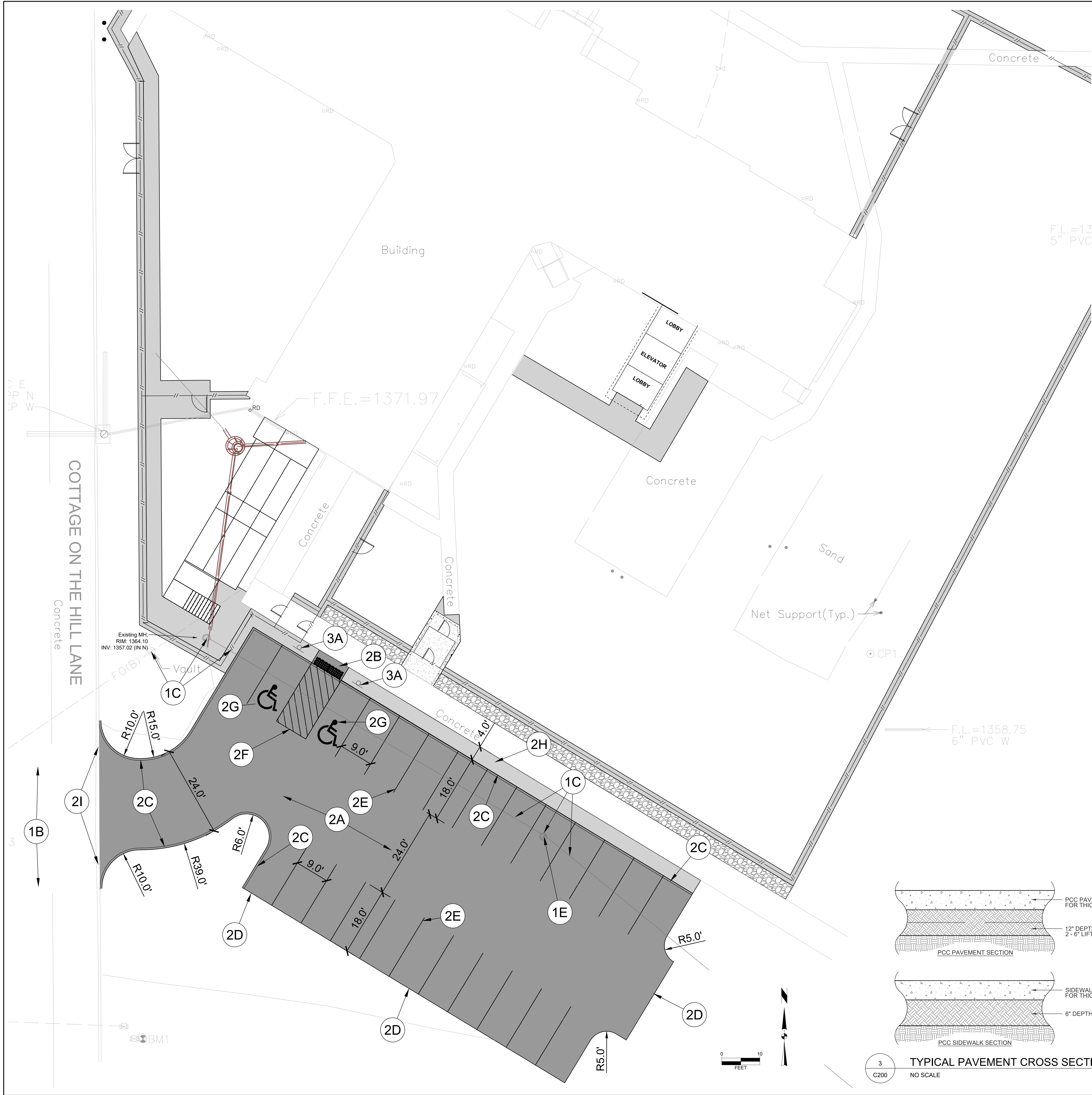
DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

SITE PLAN - BASE BID

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OMAHA, NE 68131
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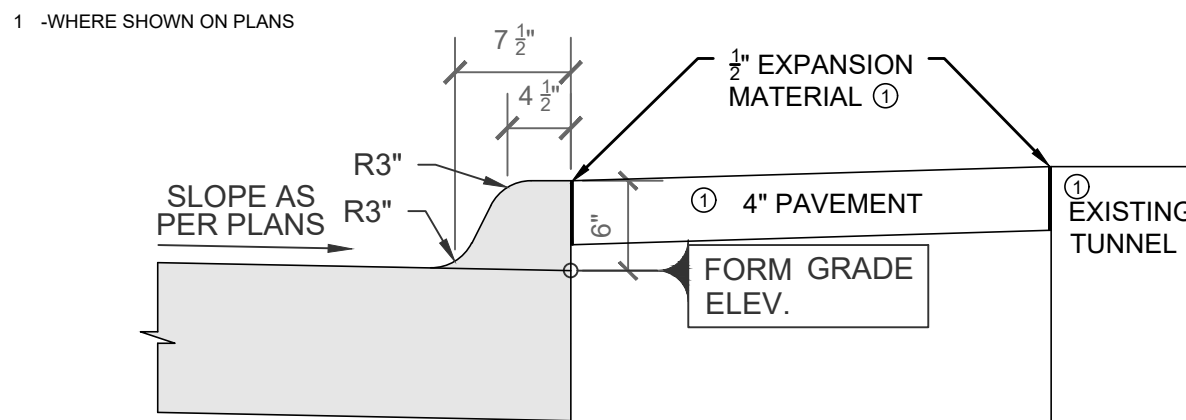
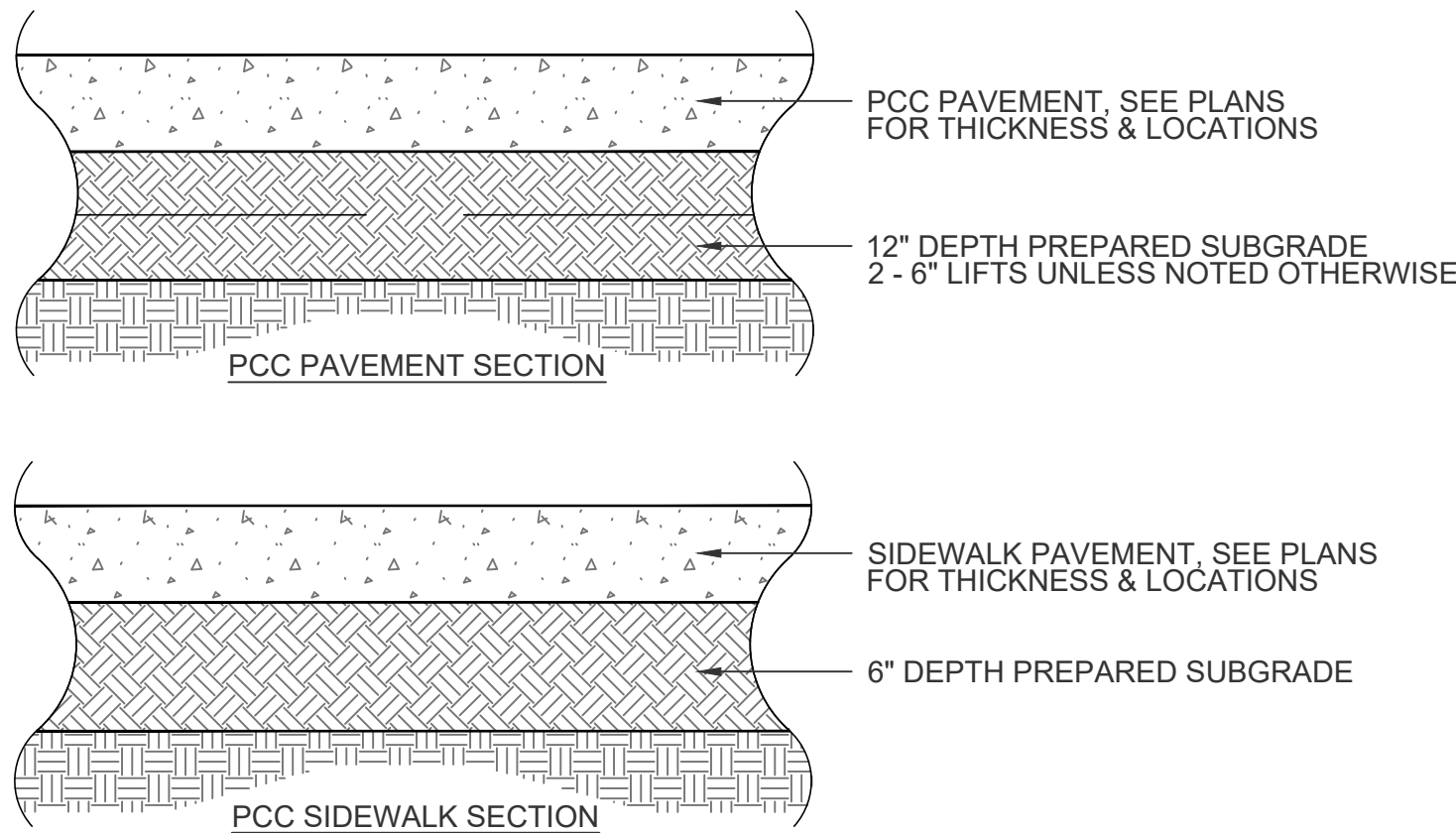
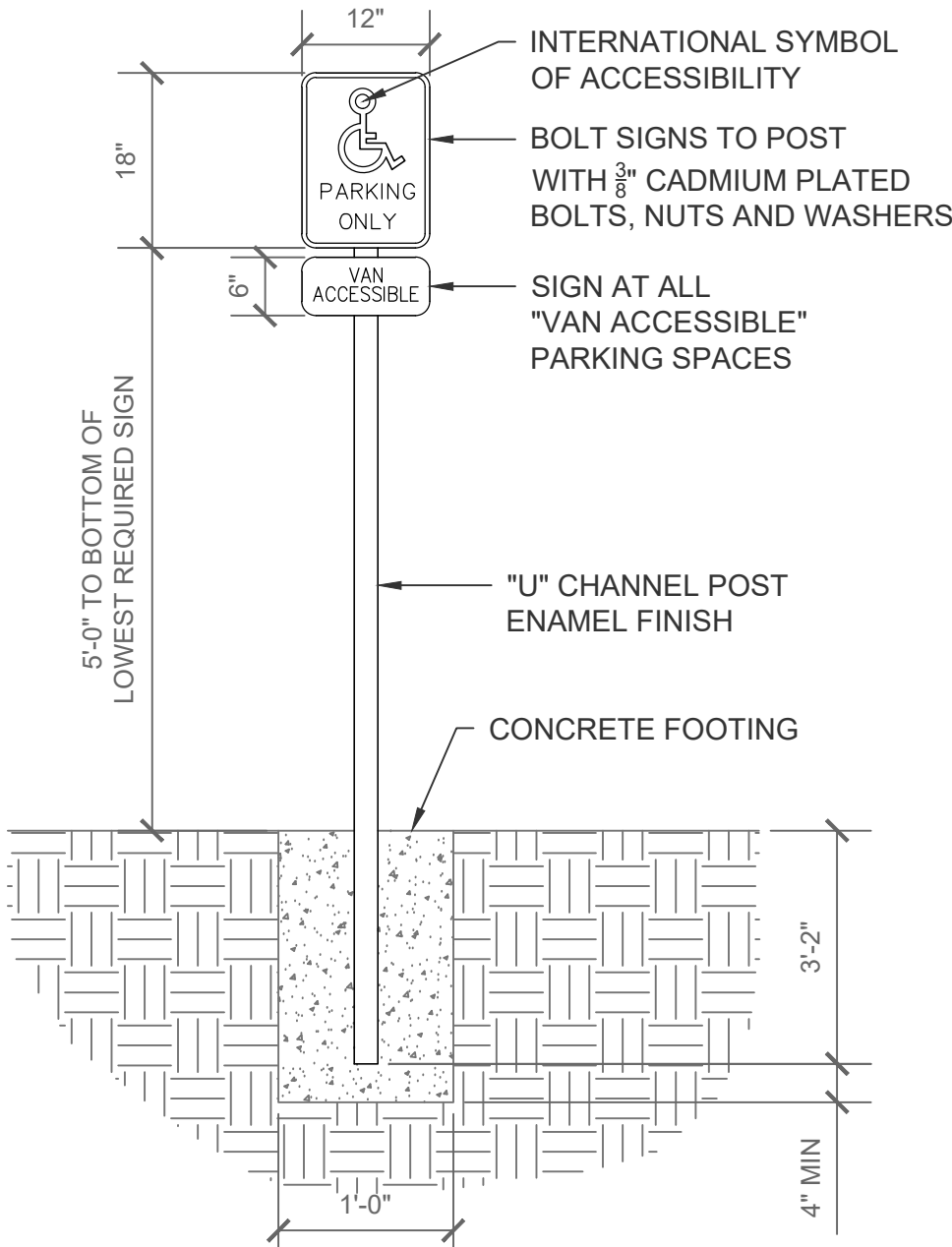
DATE:	03-22-2024
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- LAYOUT AND GRADING NOTES
- EXISTING FEATURES PROTECT THE FOLLOWING:
 - A. EXISTING TUNNEL
 - B. EXISTING PAVEMENT
 - C. EXISTING UTILITIES
 - D. EXISTING BUILDING
 - E. EXISTING MANHOLE. ADJUST CASTING TO FINAL GRADE AS NECESSARY.
 - 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. NO CURB
 - E. 4" WIDTH WHITE PARKING STALL LINES
 - F. ACCESSIBLE AISLE, 45° STRIPING AT 3' ON CENTER
 - G. PAINTED ACCESSIBLE PARKING SYMBOL
 - H. 4" DEPTH PCC ON COMPACTED SUBGRADE
 - I. CONNECT TO EXISTING DRIVEWAY OPENING WITH SUDAS TYPE A DRIVEWAY CONNECTION. (SEE SUDAS STANDARD SPECIFICATIONS DETAIL 7030.101)
 - PROVIDE THE FOLLOWING SITE IMPROVEMENTS WHERE INDICATED:
 - A. ADA VAN ACCESSIBLE PARKING SIGNAGE.

- PAVEMENT JOINTING NOTES
- PAVEMENT UNDER FENCE TO HAVE JOINTS SPACED AT 15'. SIDEWALK JOINTS TO BE SPACED EQUAL TO THE WIDTH OF THE SIDEWALK.
 - 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



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DESIGNED:
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CHECKED:
XXX
PROJ. MGR:
XXX

DATE
03-22-2024

NO.
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DESCRIPTION
BID SET

BY

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DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

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1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

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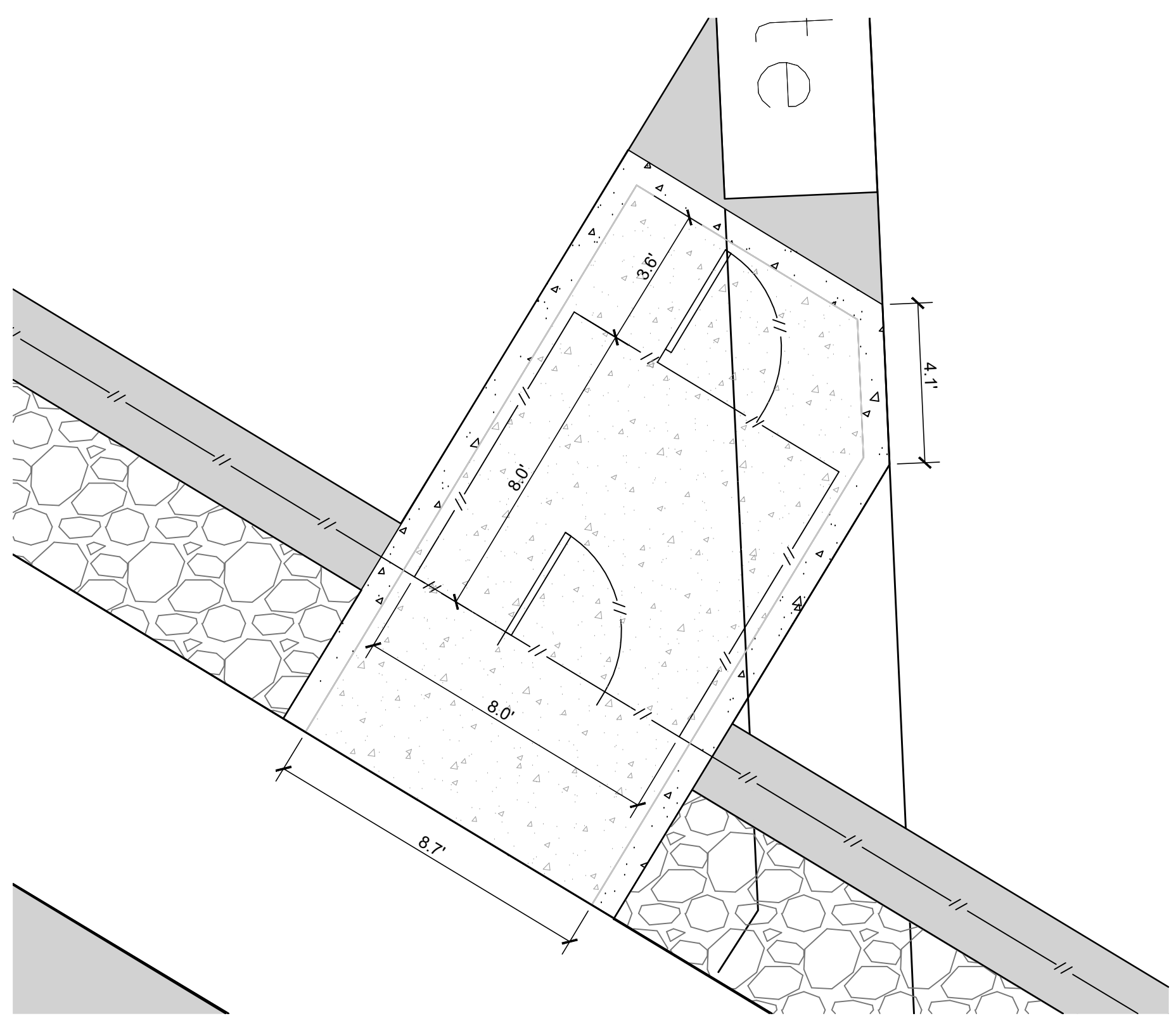
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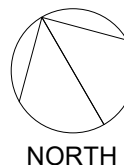
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JOB NUMBER:	257-014
SHEET:	C202A

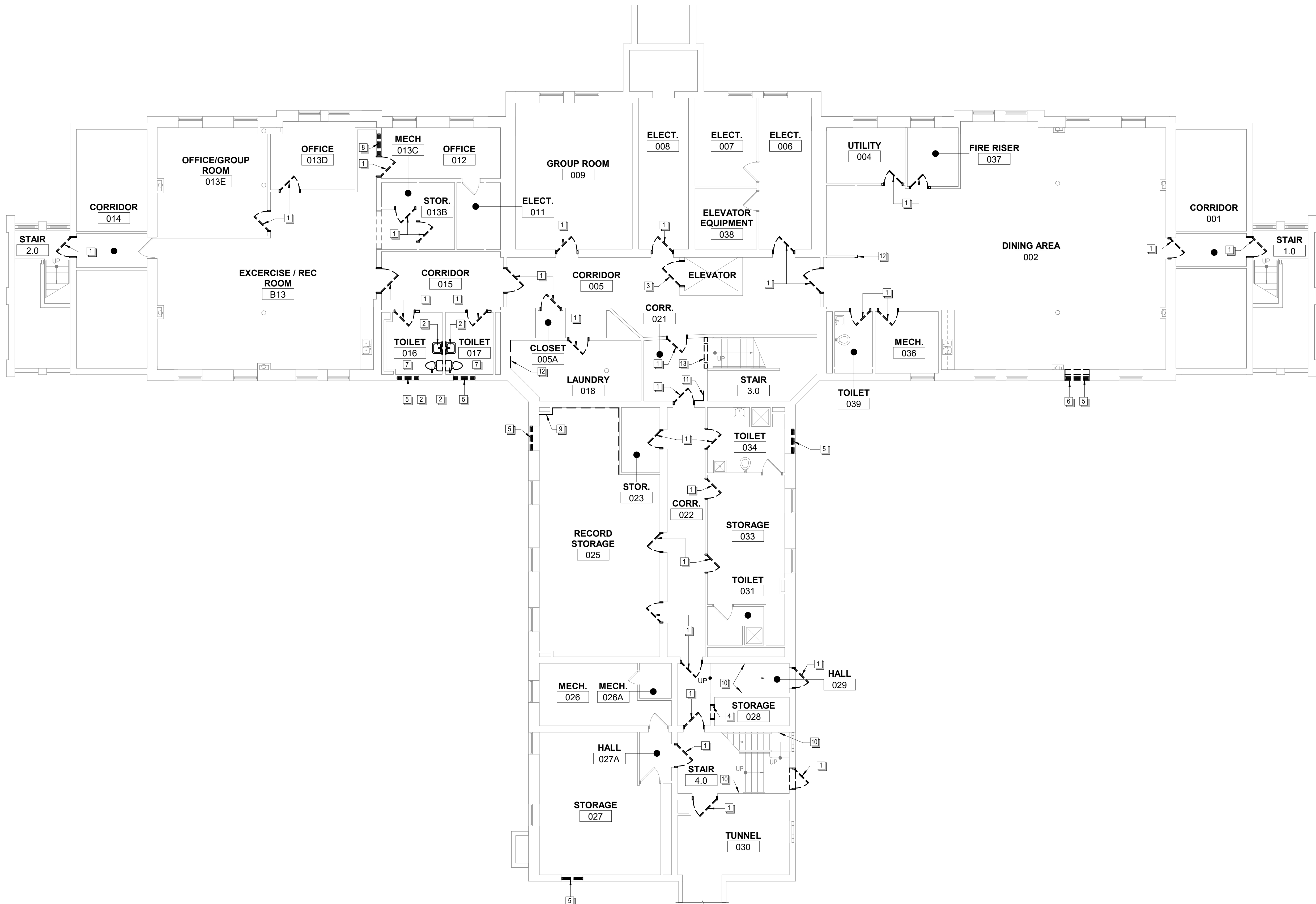




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AD110

DEMOLITION PLAN - BASEMENT LEVEL

1/8" = 1'-0"



GENERAL DEMOLITION NOTES

- 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 AGATEMENT CONTRACTOR.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 FLEED TO ACHIEVE UNIFORM TRANSITION.
- 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.
- CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST DURING THE ENTIRE CONSTRUCTION SCHEDULE. SEE SPECIFICATIONS FOR ADDITIONAL DUST CONTROL MEASURES.
- REMOVE EXISTING WORK AS INDICATED ON DEMOLITION PLANS AS REQUIRED TO INSTALL NEW WORK.
- 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.

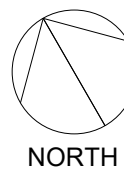
DEMOLITION LEGEND

- — — — — 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 FRAME IN ITS ENTIRETY. |
| 5 | REMOVE WINDOW, FRAME, SILL, TRIM AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY AS REQUIRED FOR NEW WORK. |
| 6 | SAWCUT MASONRY WALL AND REMOVE GWS/PLASTER WALL AND ASSOCIATED FRAMING AS NEEDED FOR NEW DOOR/WINDOW OPENING. |
| 7 | REMOVE EXISTING MIRROR AND ALL BATHROOM ACCESSORIES IN THEIR ENTIRETY. |
| 8 | REMOVE WINDOW AND FRAME IN ITS ENTIRETY. |
| 9 | SCRAPE PEELING PAINT FROM WALL SURFACE AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH. |
| 10 | REMOVE AND REPLACE ALL COMPONENTS FROM WALL, INCLUDING HARDWARE TO RETURN TO CODE COMPLIANT FUNCTIONING SPACE. |
| 11 | REPAIR WATER DAMAGED WALL AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH. |
| 12 | PATCH WALL AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH. |
| 13 | REMOVE PORTION OF WALL AS REQUIRED FOR NEW WORK. |

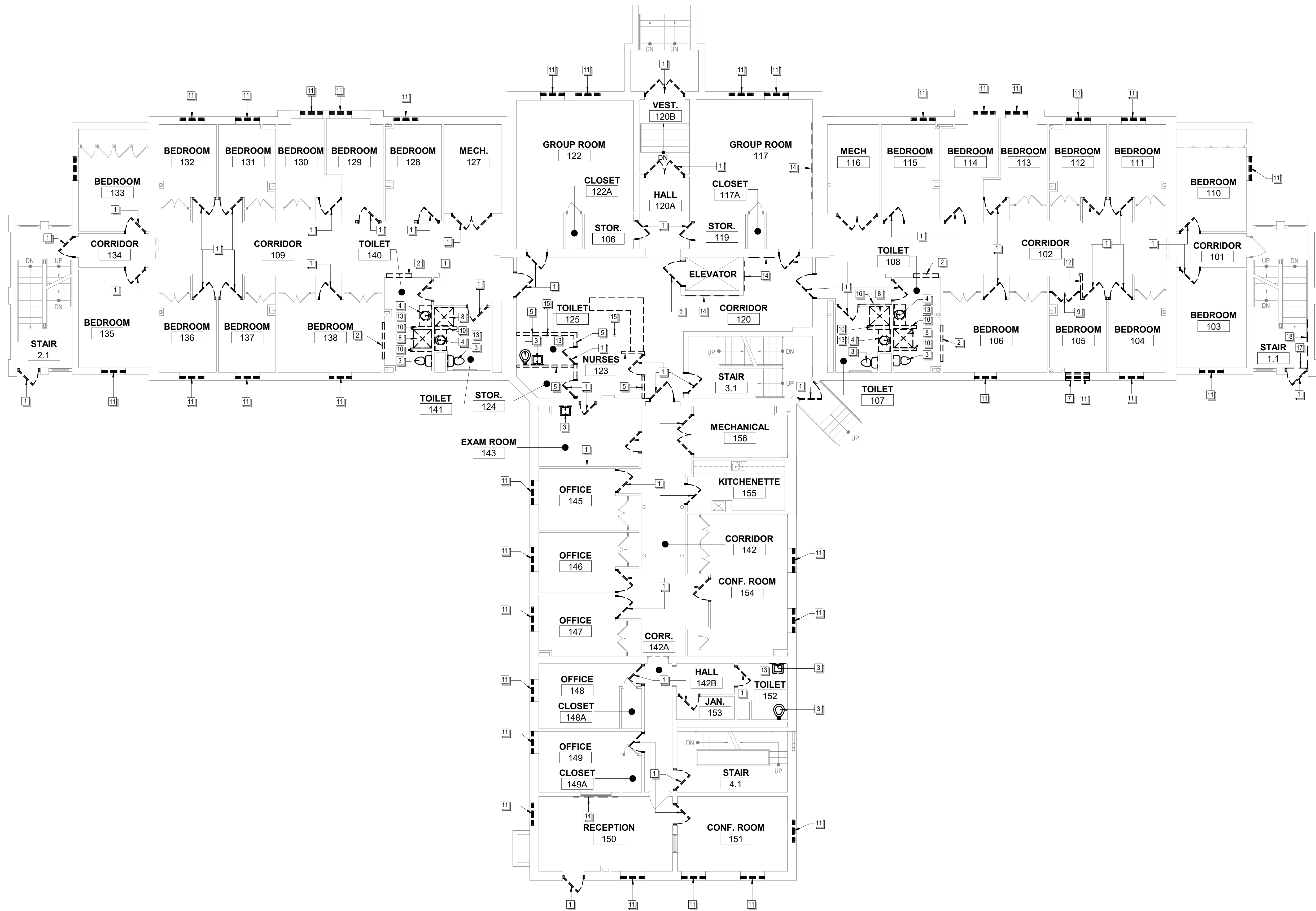
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DRWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MGR:	MJM
BY:	KPE
DATE:	03-22-2024
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DESCRIPTION	BD SET



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AD111

DEMOLITION PLAN - FIRST LEVEL

1/8" = 1'-0"



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 ASBESTOS REMOVAL 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 FLEED 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.

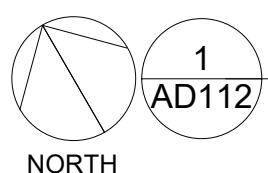
DEMOLITION LEGEND

- 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

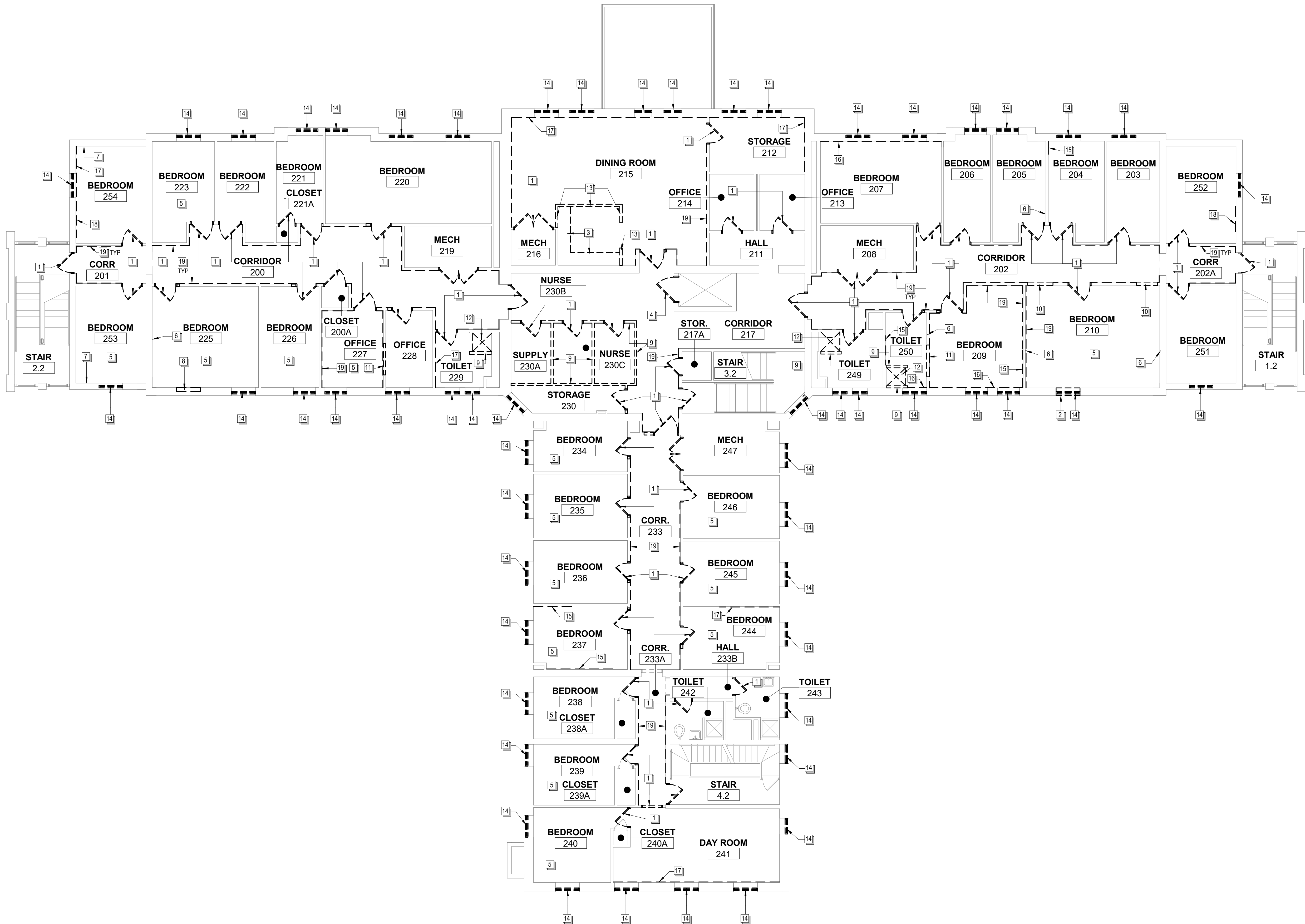
- | # | DESCRIPTION |
|----|---|
| 1 | REMOVE DOOR, FRAME AND HARDWARE IN ITS ENTIRETY. |
| 2 | REMOVE MASONRY AND STUD/GWB WALL IN ITS ENTIRETY, AS SHOWN ON PLAN, FOR NEW OPENING. HEIGHT OF MASONRY WALL IS APPROXIMATELY 9'-4" A.F.F. SEE GENERAL DEMOLITION NOTES. |
| 3 | REMOVE EXISTING PLUMBING FIXTURE. 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 DOOR, FRAME, ALL ASSOCIATED HARDWARE AND WALL CONTROL BUTTONS FOR THE ELEVATOR IN THEIR ENTIRETY. |
| 7 | SAWCUT MASONRY WALL AND REMOVE GWB/PLASTER WALL AND ASSOCIATED FRAMING AS NEEDED FOR NEW DOOR/WINDOW OPENING. |
| 8 | REMOVE EXISTING SHOWER IN ITS ENTIRETY. COORDINATE WITH PLUMBING DEMOLITION DRAWINGS. |
| 9 | REMOVE CLOSET IN ITS ENTIRETY. |
| 10 | REMOVE STUD/GWB WALL IN ITS ENTIRETY. |
| 11 | REMOVE WINDOW, FRAME, SILL, TRIM AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY AS REQUIRED FOR NEW WORK. |
| 12 | REMOVE INTERIOR MASONRY WALL AS REQUIRED FOR NEW WORK. HEIGHT OF MASONRY WALL IS APPROXIMATELY 9'-4" A.F.F. SEE GENERAL DEMOLITION NOTES. |
| 13 | REMOVE EXISTING MIRROR AND ALL BATHROOM ACCESSORIES IN THEIR ENTIRETY. |
| 14 | REMOVE WALL DECAL IN ITS ENTIRETY AND PREP WALL AS REQUIRED TO RECEIVE NEW PAINT FINISH. |
| 15 | EXISTING COLUMN TO REMAIN. |
| 16 | SCRAPE PEELING PAINT FROM WALL SURFACE AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH. |
| 17 | REMOVE AND REPAIR MOLD/WATER DAMAGED WALL AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH. |
| 18 | TUCK POINT BRICK/MASONRY WALL AS REQUIRED TO REPAIR WATER DAMAGE. |

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PROJ. MGR:	MAM
BY:	KPE
DATE:	03-22-2024
DESCRIPTION:	BD SET
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DEMOLITION PLAN - SECOND LEVEL

1/8" = 1'-0"



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 AGATEMENT CONTRACTOR.
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- 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 FILED 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 WALLPAPER IN ITS ENTIRETY AND PREP WALL TO RECEIVE NEW PAINT FINISH.
 - 6 REMOVE CHALK, MARKER, OR TACK BOARD IN ITS ENTIRETY.
 - 7 REMOVE EXISTING JOINT SEALANT IN ITS ENTIRETY AND PREP AS REQUIRED TO RECEIVE NEW SEALANT.
 - 8 REMOVE BUILT-IN SHELVEING IN ITS ENTIRETY.
 - 9 REMOVE STUD/GWB WALL IN ITS ENTIRETY.
 - 10 REMOVE PORTION OF STUD/GWB WALL FOR NEW DOOR AND/OR WINDOW OPENING.
 - 11 REMOVE PORTION OF WALL AS REQUIRED FOR NEW WORK.
 - 12 REMOVE EXISTING SHOWER IN ITS ENTIRETY. COORDINATE WITH PLUMBING DEMOLITION DRAWINGS.
 - 13 REMOVE STUD/WOOD WALL IN ITS ENTIRETY.
 - 14 REMOVE WINDOW, FRAME, SILL, TRIM AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY AS REQUIRED FOR NEW WORK.
 - 15 PATCH WALL AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH.
 - 16 REPAIR WATER DAMAGED WALL AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH.
 - 17 SCRAPE PEELING PAINT FROM WALL SURFACE AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH.
 - 18 TUCK POINT BRICK/MASONRY WALL AS REQUIRED TO REPAIR WATER DAMAGE.
 - 19 REMOVE EXISTING WOOD / VINYL BASE AND PREP WALL AS REQUIRED FOR NEW VINYL BASE INSTALLATION.

DRAWN:	MJM
DESIGNED:	MJM
CHECKED:	MJM
PROJ. MGR:	MJM
BY:	KPE
DATE:	03-22-2024
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DESCRIPTION	BD SET

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1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

DEMOLITION PLAN - SECOND LEVEL

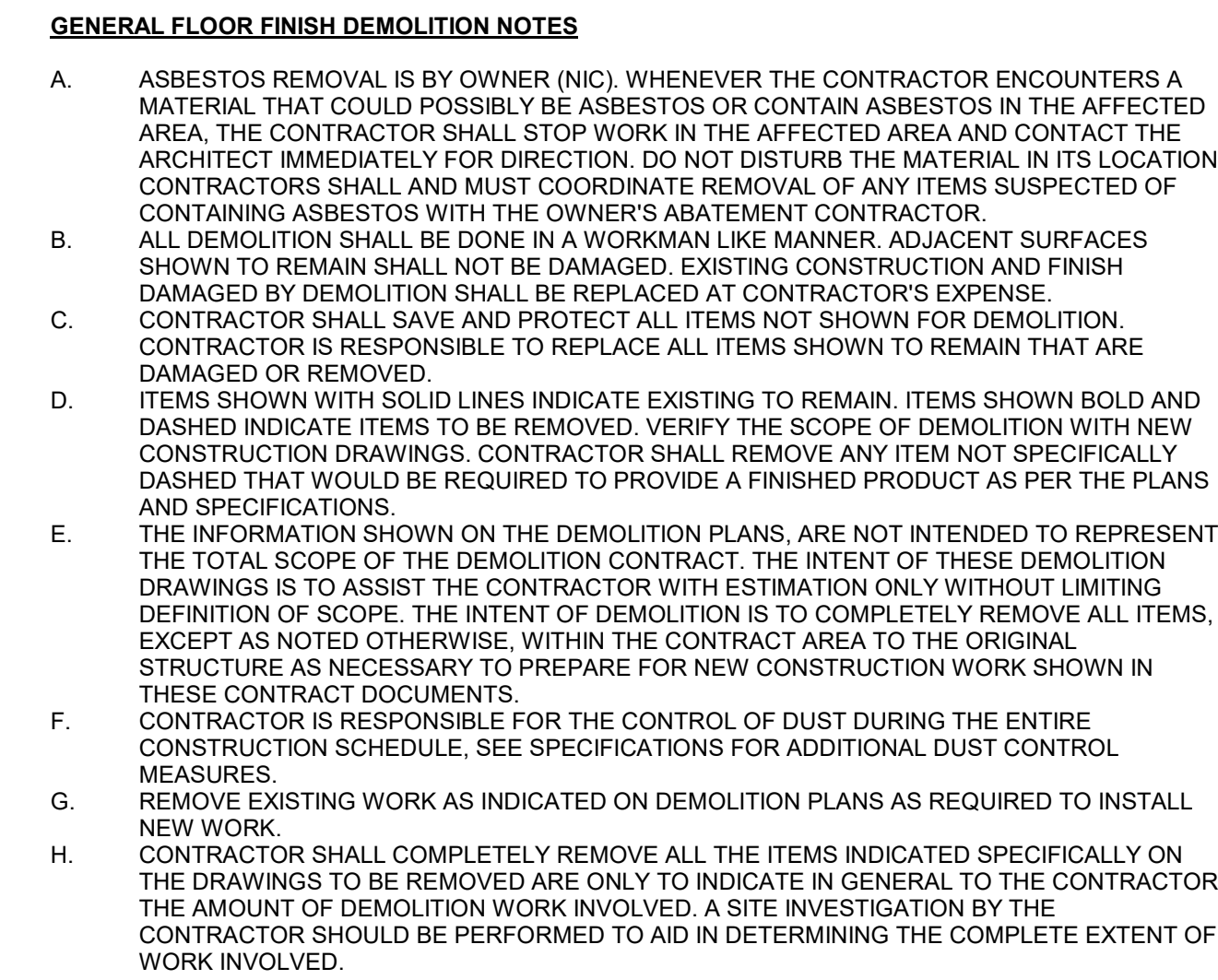
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----- ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED.
COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES,
SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

 AREA OF RESILIENT FLOORING AND BASE TO BE REMOVED

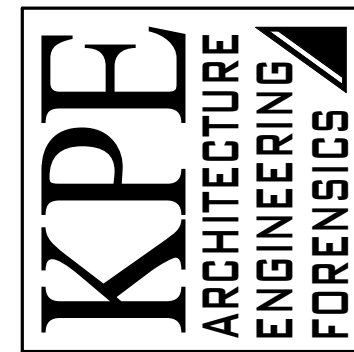
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DATE	NO.	DESCRIPTION		

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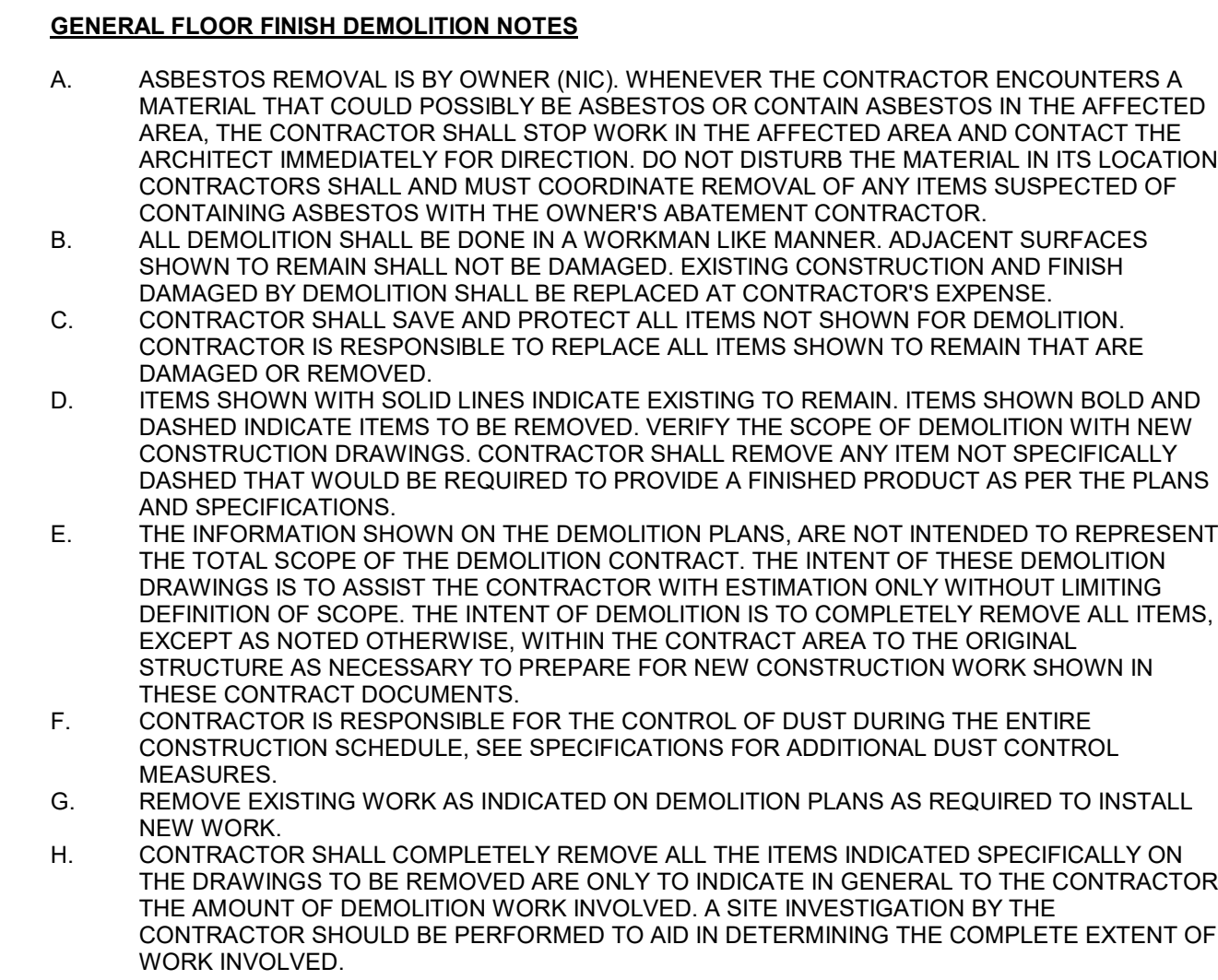
**CHEROKEE MENTAL HEALTH INSTITUTE
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FLOOR FINISH DEMOLITION PLAN - BASEMENT LEVEL

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----- 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 RESILIENT FLOORING AND BASE TO BE REMOVED

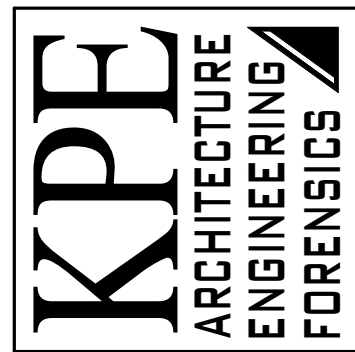
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		DESIGNED: M/M	
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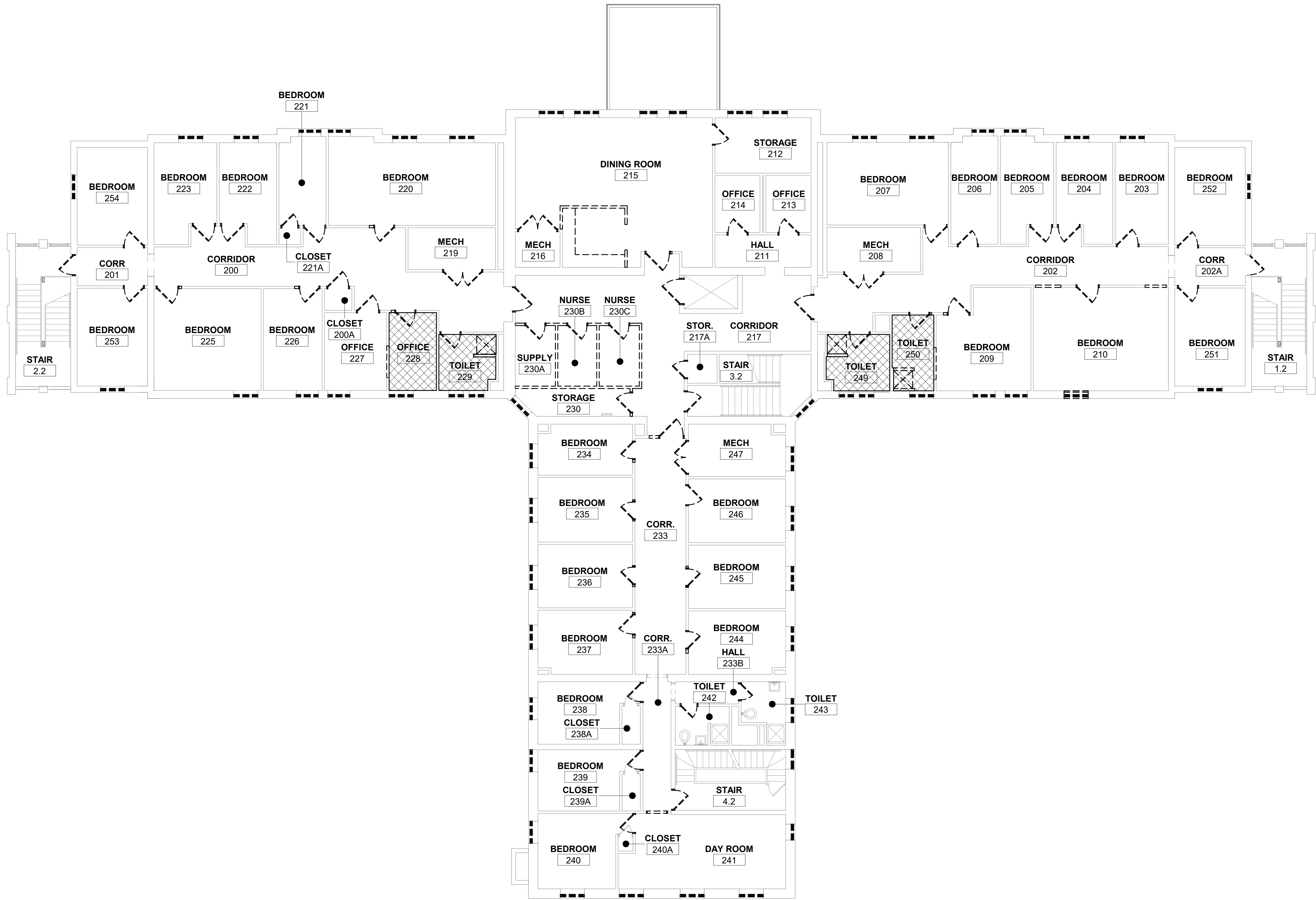
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FLOOR FINISH DEMOLITION PLAN - FIRST LEVEL

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SHEET:
AD121



GENERAL FLOOR FINISH DEMOLITION NOTES

- A. ASBESTOS REMOVAL IS BY OWNER (N/C). 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

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1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR FINISH DEMOLITION PLAN - SECOND LEVEL

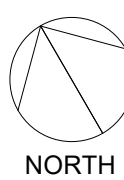
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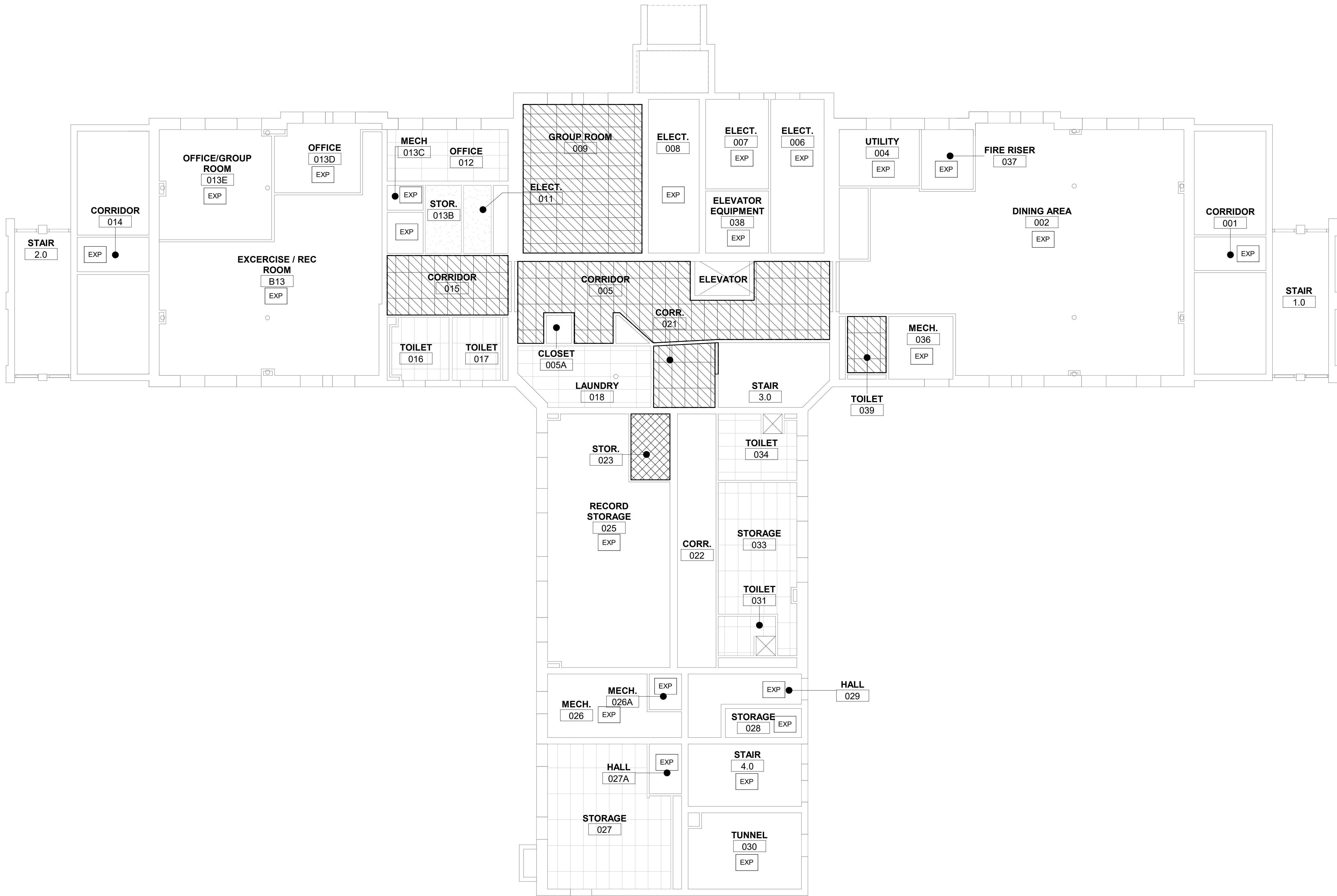
DATE:
03-22-2024

JOB NUMBER:
257-014

SHEET:
AD122



REFLECTED CEILING DEMOLITION PLAN - BASEMENT LEVEL



GENERAL CEILING DEMOLITION NOTES

- A. ASBESTOS REMOVAL IS BY OWNER (N/C). 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.

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

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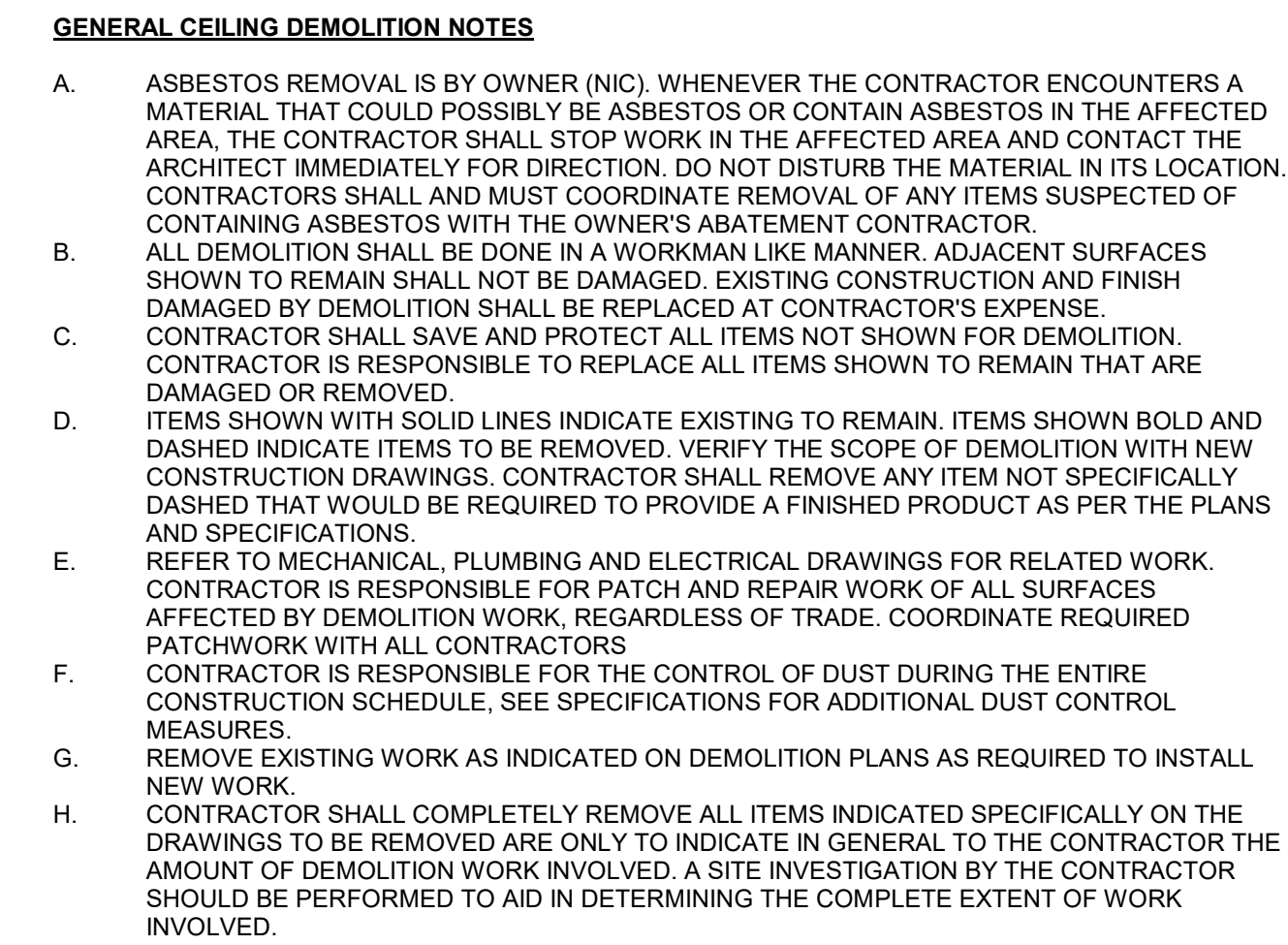
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			DESIGNED:
			DRAWN:

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SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

 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.

#	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.

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		DESIGNED: MM	
		CHECKED: MM	
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DATE	NO.	DESCRIPTION	BY

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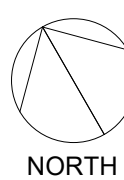
DHS CHMHI VOLDENG BUILDING RE
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REFLECTED CEILING DEMOLITION PLAN - FIRST LEVEL

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SHEET:	AD131



1
AD132

REFLECTED CEILING DEMOLITION PLAN -SECOND LEVEL

1/8" = 1'-0"

GENERAL CEILING DEMOLITION NOTES

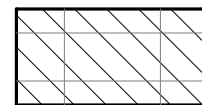
- A. ASBESTOS REMOVAL IS BY OWNER (NIC). WHENEVER THE CONTRACTOR ENCOUNTERS A MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS IN THE AFFECTED AREA, THE CONTRACTOR SHALL STOP WORK IN THE AFFECTED AREA AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS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

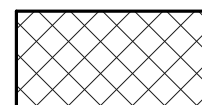
ALL LINES THAT ARE BOLD AND DASHED INDICATE ITEMS TO BE DEMOLISHED. COORDINATE ALL DEMOLITION WITH FLAG NOTES, GENERAL DEMOLITION NOTES, SPECS AND WORK ASSOCIATED WITH OTHER TRADES AND NEW CONSTRUCTION.

EXP

EXPOSED TO STRUCTURE ABOVE



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

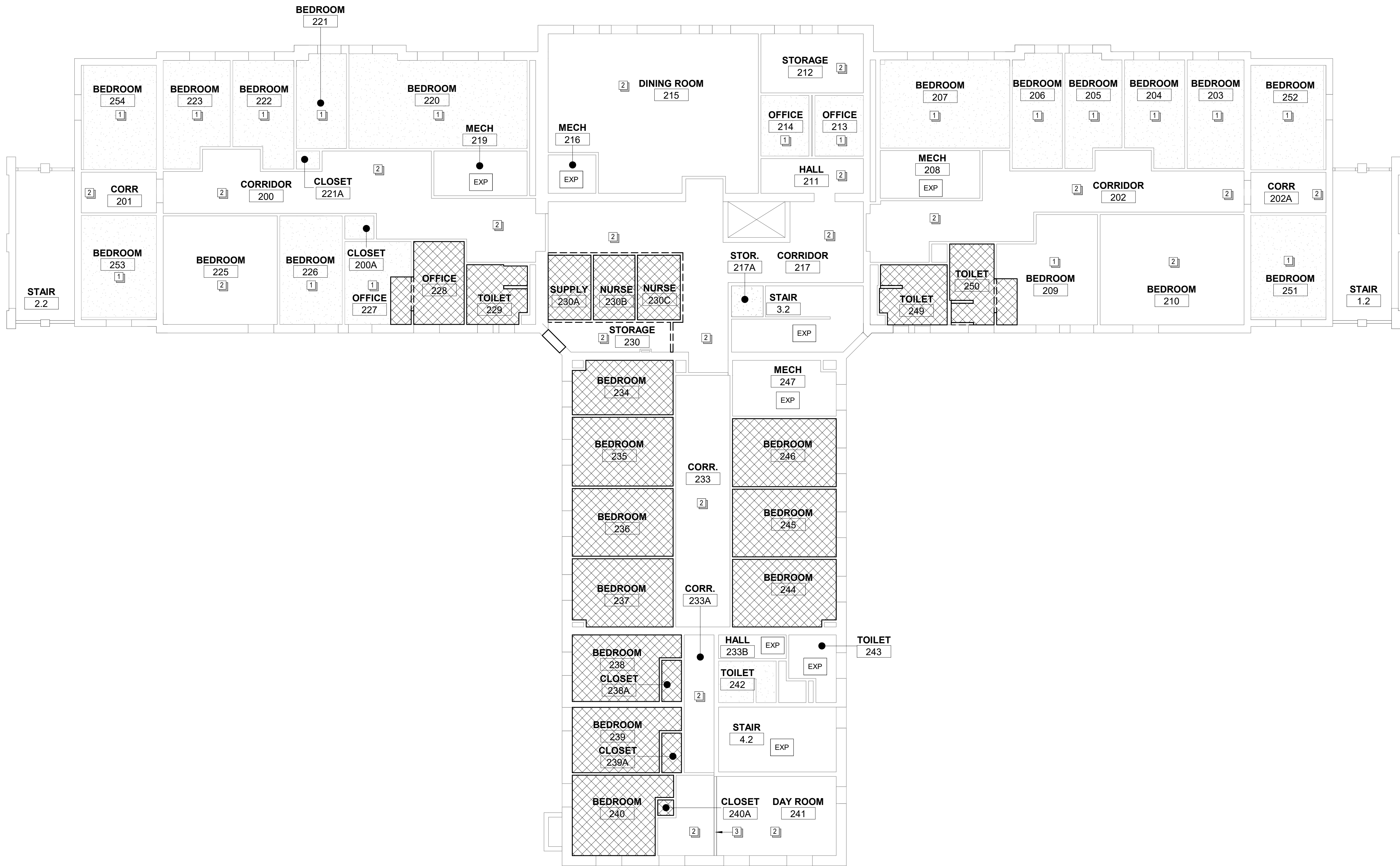


AREA OF GWB CEILING AND SUPPORTS TO BE REMOVED IN THEIR ENTIRETY.

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.
- 2 REMOVE EXISTING CEILING EDGE TRIM AND ALL SUPPORT WIRING IN ITS ENTIRETY.
- 3 EXISTING BULKHEAD TO REMAIN.



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DESIGNED:	MAM
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BY:	KPE
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REFLECTED CEILING DEMOLITION PLAN - SECOND LEVEL

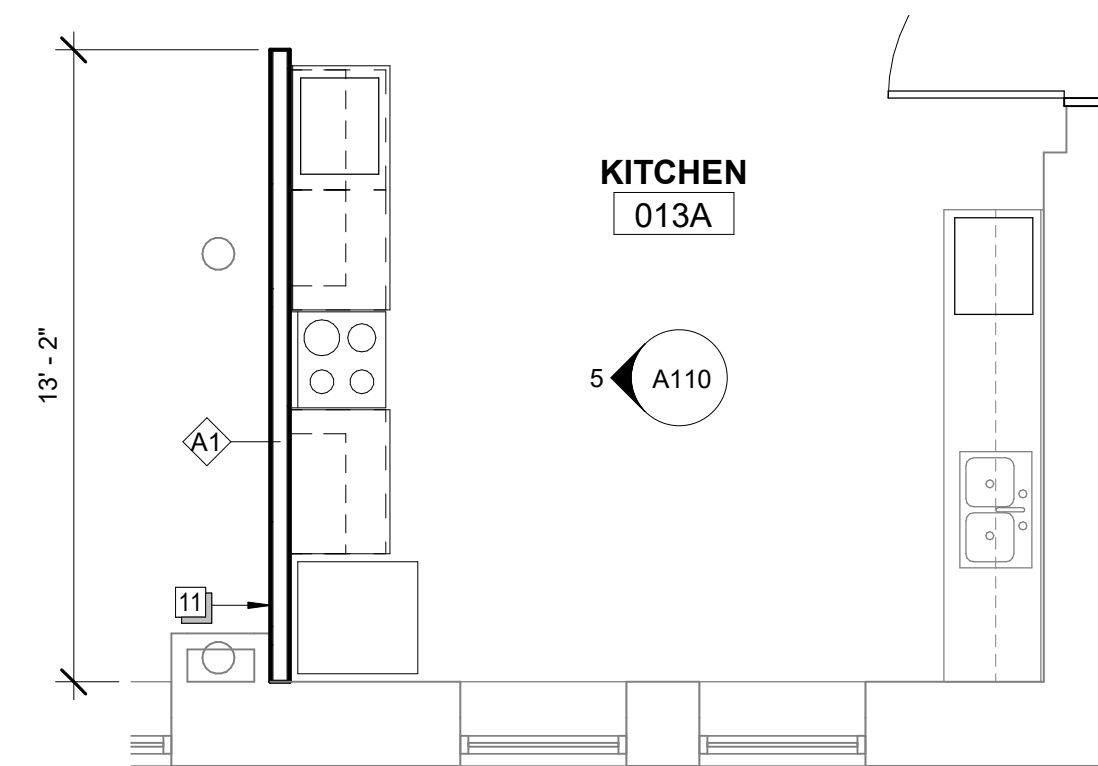
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03-22-2024

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SHEET:
AD132



- # NEW WINDOW TAG
- # NEW SECURITY SCREEN TAG

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING.
2. TO SELECT CODES, SYMBOLS AND ABBREVIATIONS. SEE WALL TYPE NOTES FOR INTERIOR WALL TYPE INFORMATION.
3. WALLS AND PARTITIONS ARE DIMENSIONED TO FACE OF GYPSUM WALL UNLESS NOTED OTHERWISE.
4. PROVIDE BLOCKING AS NECESSARY FOR OWNER'S FURNISHINGS OR EQUIPMENT AT DIMENSIONS DIRECTED.
5. MAINTAIN WALL RATINGS AS REQUIRED AT ALL EXISTING FIRE OR SMOKE RATED WALLS. PATCH AND REPAIR WALLS AS REQUIRED.
6. NEW DOOR OPERATING PARTS REQUIRED. PATCH AND REPAIR GYPSUM WALL BOARD AS REQUIRED FOR PREPARATION, INSTALLATION.
7. CEILING JOISTS, WALLS AND CEILING ARE TO BE SEALED TO BE SMOKE-TIGHT. THE CEILINGS OF BEDROOMS AND DAY ROOMS ARE TO BE SEALED TO BE SMOKE-TIGHT. CONTRACTOR TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING.
8. NEW DOOR / FRAME SIZES MAY DIFFER FROM EXISTING DOOR / FRAME SIZES.

#	DESCRIPTION
---	-------------

- 1 INFILL EXISTING OPENING, MATCH EXISTING WALL CONSTRUCTION, THICKNESS AND FINISHES.
- 2 INFILL EXISTING OPENING WITH STUDS/GWB AND MATCH EXISTING WALL THICKNESS. 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 RECEIVE 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 RECEIVE NEW PAINT FINISH. PREP AND PAINT (P-1) EXISTING EXPOSED COLUMN TO REMAIN.
- 7 EXISTING DOOR AND FRAME TO REMAIN.
- 8 EXISTING DOOR AND FRAME TO REMAIN. PAINT DOOR & FRAME P-3.
- 9 EXISTING GLASS BLOCK TO REMAIN.
- 10 EXISTING WALL WITH EXISTING WINDOW DOOR AND/OR FACE OF EXISTING WALL.
- 11 NEW DOUBLE SWING STAIR CASE. REFER TO DETAILS THIS SHEET.
- 12 INFILL EXISTING SIDLIGHT OPENING WITH STUDS AND 5/8" GWB. MATCH EXISTING WALL THICKNESS. PREP WALL AND PAINT (P-1).
- 13 PROVIDE 3/4" P-LAM WINDOW SILL & APRON. REFER TO SHEET A603 FOR WINDOW SILL DETAIL.
- 14 EXISTING DOOR AND FRAME TO REMAIN. PAINT DOOR & FRAME P-3. DO NOT PAINT OVER FIRE-RATED LABELS.
- 15 INFILL EXISTING TRANSOM OPENING AS REQUIRED FOR NEW DOOR AND FRAME INSTALLATION. REFER TO DETAIL 6F/A602.
- 16 EXISTING WOOD BASE. PAINT P-1 TO MATCH WALL.
- 17 INFILL AREA OF MISSING WOOD BASE WITH NEW WOOD BASE TO MATCH EXISTING PROFILE. PREP AND PAINT (P-1).
- 18 SKIM COAT WALL SURFACE AS REQUIRED AND PREP WALL TO RECEIVE NEW PAINT FINISH.

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				CHECKED:	MJM
				DESIGNED:	MJM
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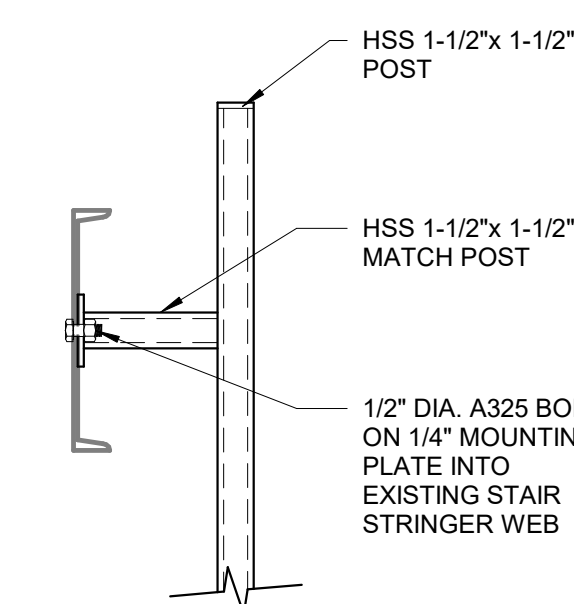
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FLOOR PLAN - BASEMENT LEVEL

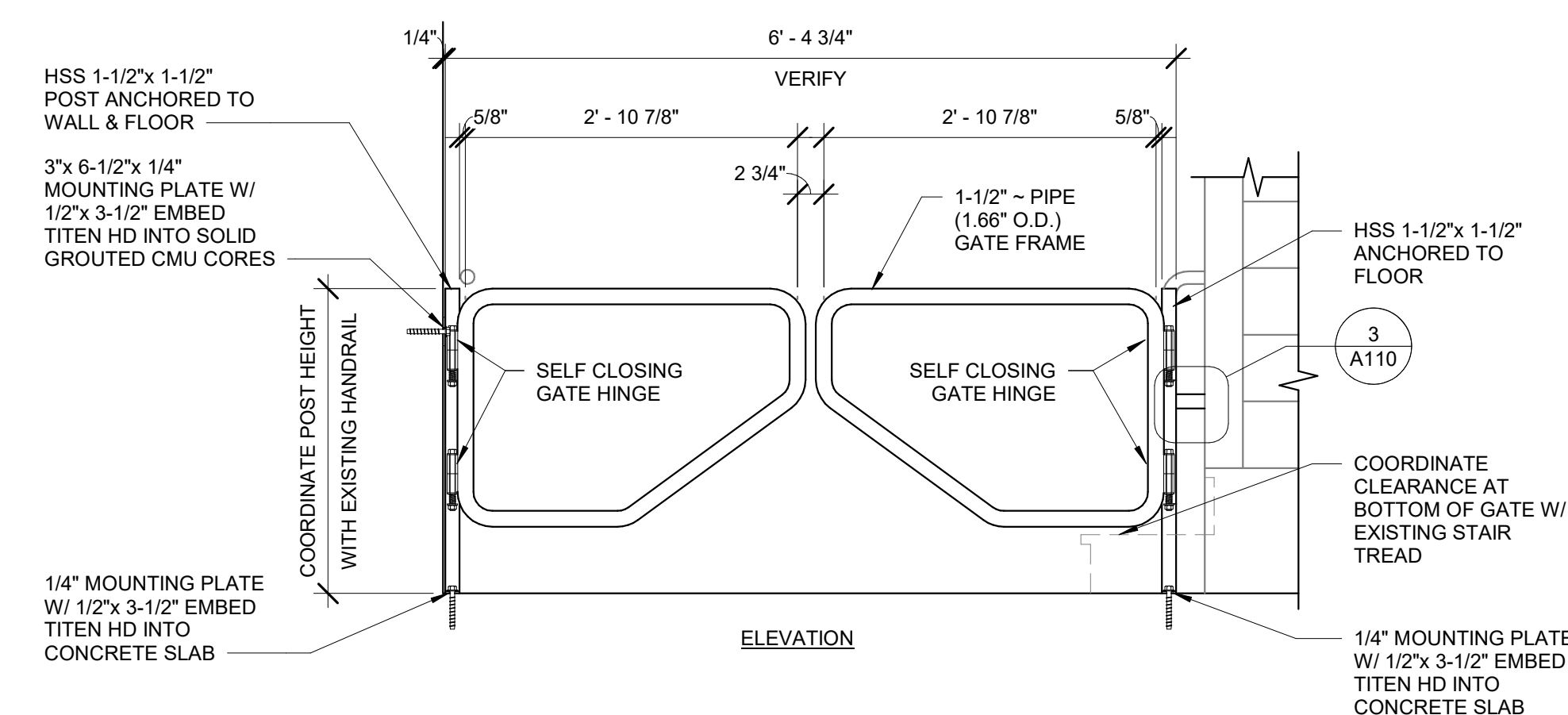
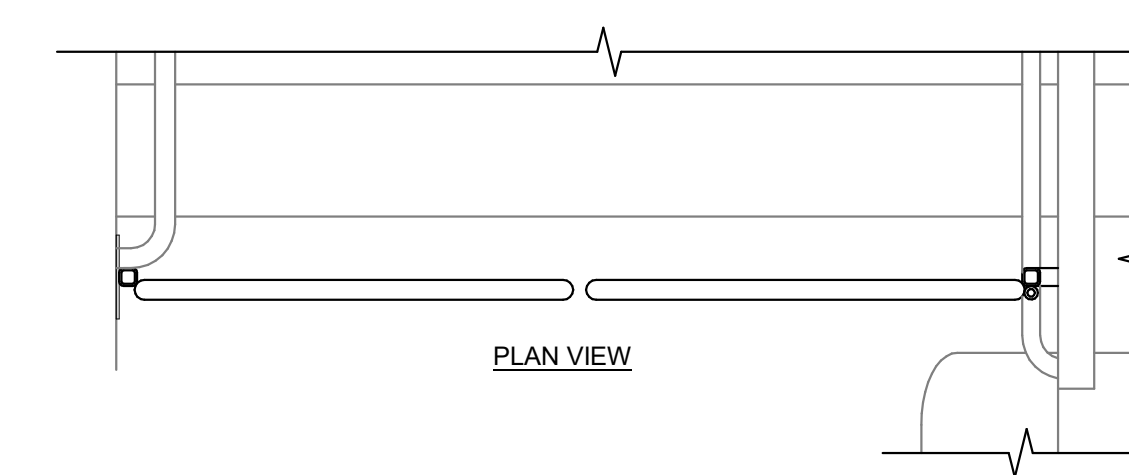
KPE
ARCHITECTURE
ENGINEERING
FORENSICS

SHEET:
A110

5 CASE
A110 1/4" = 1'-0"



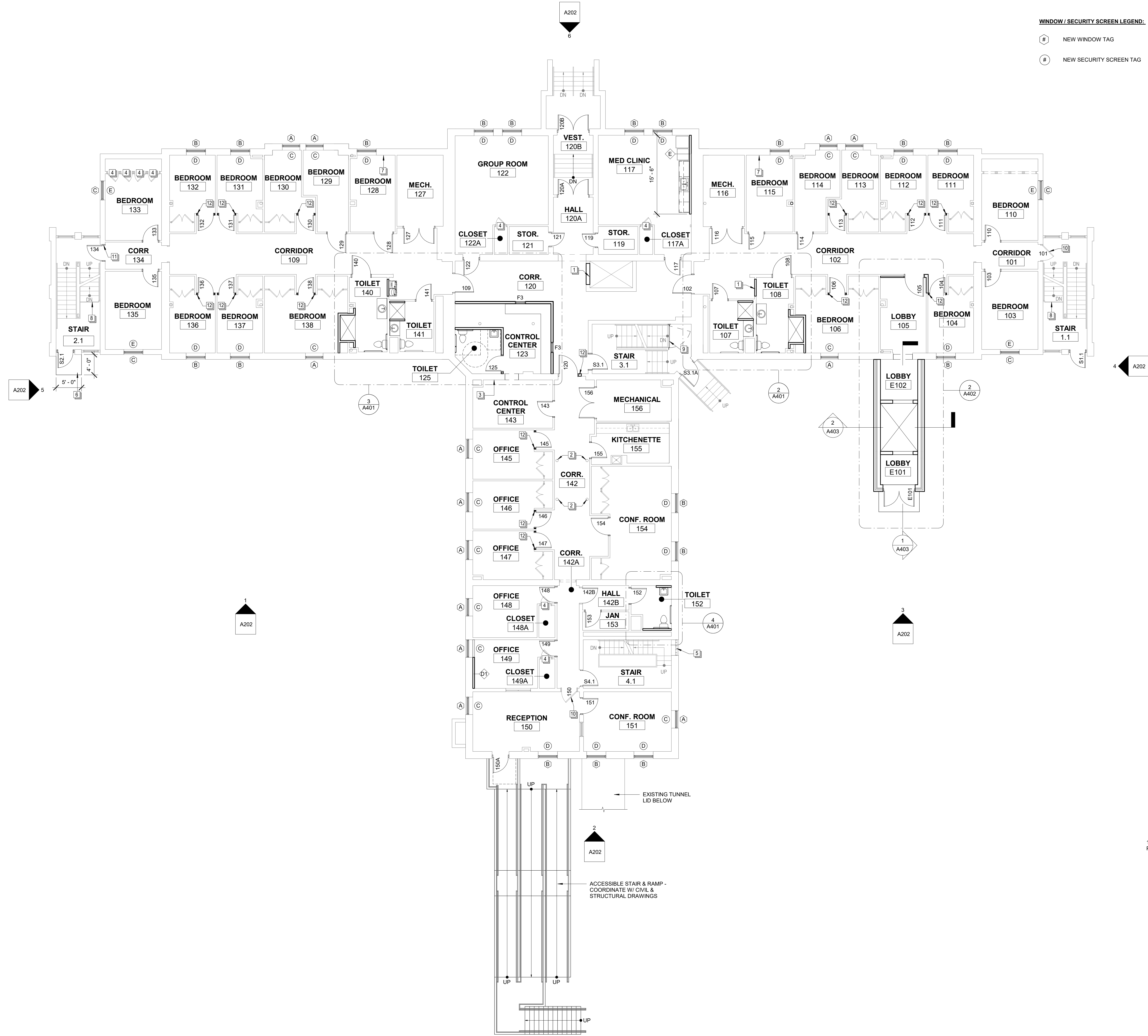
3 POST
A110 1 1/2" = 1"



2 STAIR
A110 3/4" = 1'-0"

1

NORTH



WINDOW / SECURITY SCREEN LEGEND:

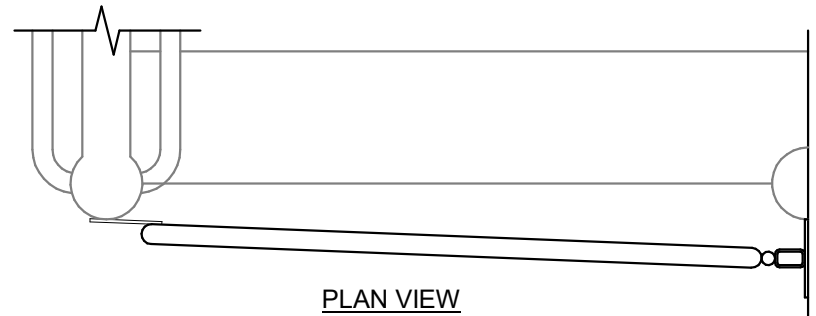
- # NEW WINDOW TAG
NEW SECURITY SCREEN TAG

FLOOR PLAN GENERAL NOTES:

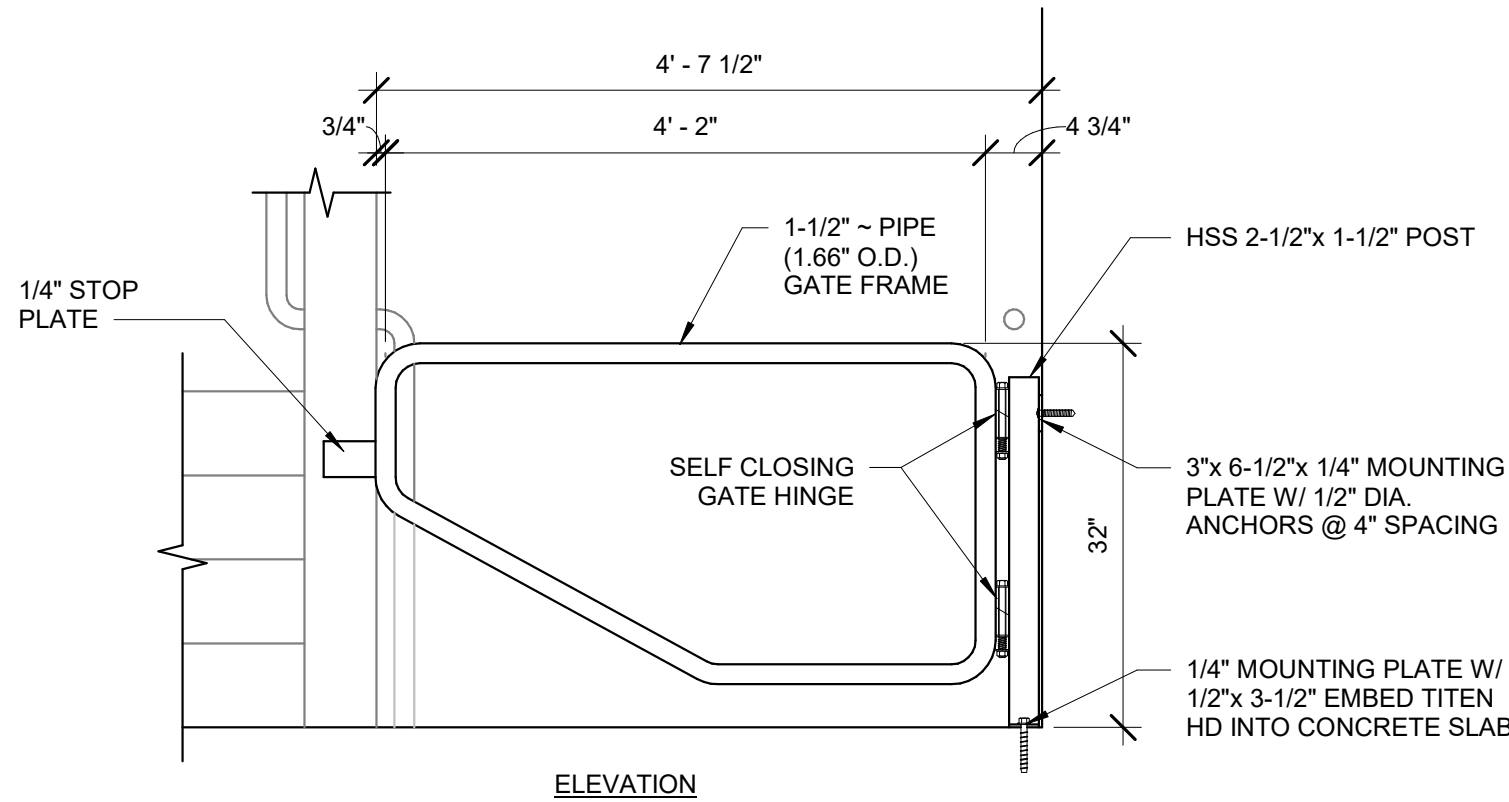
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING.
- REFER TO SHEET G001 FOR SYMBOLS AND ABBREVIATIONS. SEE WALL TYPE NOTES FOR SPECIFIC WALL TYPE INFORMATION.
- INTERIOR PARTITIONS ARE DIMENSIONED TO FACE OF GYPSUM WALL BOARD, UNLESS NOTED OTHERWISE.
- PROVIDE BLOCKING AS NECESSARY FOR OWNER'S FURNISHINGS OR EQUIPMENT AT LOCATIONS AS DIRECTED.
- MAINTAIN WALL RATINGS AS REQUIRED AT ALL EXISTING FIRE OR SMOKE RATED WALLS.
- PATCH AND REPAIR WALLS AS REQUIRED.
- AT NEW DOOR OPENINGS PATCH AND REPAIR GYPSUM WALL BOARD AS REQUIRED FOR PROPER INSTALLATION.
- THE CORRIDOR WALLS, DOORS AND CEILING ARE TO BE SEALED TO BE SMOKE-TIGHT. THE CEILINGS OF BEDROOMS AND DAY ROOMS ARE TO BE SEALED TO BE SMOKE-TIGHT.
- CONTRACTOR TO ADJUST EXISTING DOOR / FRAME OPENINGS AS REQUIRED, AS NEW DOOR / FRAME SIZES MAY DIFFER FROM EXISTING DOOR / FRAME SIZES.

KEYNOTES

- # DESCRIPTION
- INFILL EXISTING OPENING, MATCH EXISTING WALL CONSTRUCTION, THICKNESS AND FINISHES.
 - PREP AND PAINT (P-1) EXISTING EXPOSED COLUMN TO REMAIN.
 - PATCH WALL WITH GWB, WHERE PLUMBING FIXTURE WAS REMOVED. PREP AND PAINT WALL (P-1).
 - EXISTING DOOR AND FRAME TO REMAIN.
 - EXISTING GLASS BLOCK TO REMAIN.
 - REINFORCED CONCRETE STRUCTURAL STOOP - COORDINATE WITH CIVIL AND STRUCTURAL DRAWINGS. SLOPE STOOP A MAXIMUM OF A 1/4" PER FOOT AWAY FROM BUILDING.
 - ADHERE (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD TO THE EXTERIOR GLAZED TILE WALL AND RETURN BACK TO WINDOW. STOP GYPSUM BOARD A 1/4" FROM WINDOW AND PROVIDE CONTINUOUS SEALANT ON ALL SIDES OF WINDOW. PREP WALL TO RECEIVE NEW PAINT FINISH. COORDINATE WITH WINDOW DETAILS FOR SILL INFORMATION.
 - EXISTING STAIR GATE TO REMAIN.
 - NEW SINGLE SWING STAIR GATE. REFER TO DETAILS THIS SHEET.
 - EXISTING DOOR AND FRAME TO REMAIN. PAINT DOOR & FRAME P-3. DO NOT PAINT OVER FIRE-RATED LABELS.
 - INFILL EXISTING TRANSOM OPENING AS REQUIRED FOR NEW DOOR AND FRAME INSTALLATION. REFER TO DETAIL 6F/A602.
 - ADJUST EXISTING DOOR OPENING WIDTH / LOCATION AS REQUIRED FOR NEW DOOR AND FRAME INSTALLATION. REFER TO DETAIL 6J/A602.



PLAN VIEW



ELEVATION

2 A111 STAIR GATE - SINGLE SWING
3/4" = 1'-0"

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

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FLOOR PLAN - FIRST LEVEL

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DATE: 03-22-2024
JOB NUMBER: 257-014
SHEET: A111



- # NEW WINDOW TAG
- # NEW SECURITY SCREEN TAG

CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING.

2. ALL DOOR AND WINDOW SIZES AND ABBREVIATIONS. SEE WALL TYPE NOTES FOR SPECIFIC WALL TYPE INFORMATION.

3. ALL DOOR AND WINDOW SIZES 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 EXISTING WALLS AND CEILING AS REQUIRED.

7. AT NEW DOOR OPENINGS PATCH AND REPAIR GYPSUM WALL BOARD AS REQUIRED FOR PROPER INSTALLATION.

8. ALL WALLS, DOORS AND CEILING ARE TO BE SEALED TO BE SMOKE-TIGHT. THE CEILINGS OF BEDROOMS AND DAY ROOMS ARE TO BE SEALED TO BE SMOKE-TIGHT.

9. DOORS TO BE ADJUSTED TO PROPERLY CLOSE AND LATCH. AS NEW DOOR / FRAME SIZES MAY DIFFER FROM EXISTING DOOR / FRAME SIZES.

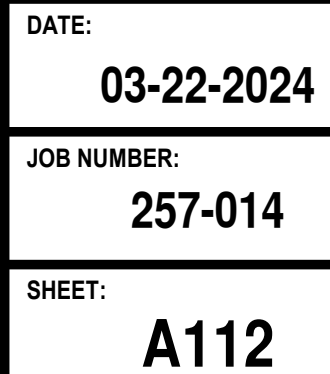
#	DESCRIPTION
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- 1 INFILL EXISTING OPENING, MATCH EXISTING WALL CONSTRUCTION, THICKNESS AND
- 2 FINISHES.
- 3 FIX WATER DAMAGE TO PLASTER/GYPSUM WALL, PREP WALL TO RECEIVE NEW PAINT FINISH.
- 4 FIX WATER DAMAGE TO MASONRY WALL, PREP WALL TO RECEIVE NEW PAINT FINISH.
- 5 FINISH EXISTING DRYWALL, PREP TO RECEIVE NEW PAINT FINISH.
- 6 INFILL OPENING WHERE BUILT-IN SHELVING WAS REMOVED WITH STUDS/GWB AND PAINT TO PAINT.
- 7 INFILL AREA OF MISSING WINDOW BASE WITH NEW WINDOW BASE TO MATCH EXISTING
- 8 WINDOW GROUNDLINE AND PAINT TO PAINT.
- 9 INFILL OPENING WHERE ELECTRICAL PANEL WAS REMOVED WITH STUDS/GWB AND PAINT TO PAINT.
- 10 PROVIDE 8" (W) X 8" (D) CHASE WITH CLEANOUT ABOVE EXISTING PIPE, CHASE TO BE 50"
- 11 FROM STUD TO STUD, RUN FROM FLOOR TO CEILING. PREP CHASE AND
- 12 PROVIDE 37" (W) X 1" (D) CHASE WITH CLEANOUT ABOVE EXISTING PIPE, CHASE TO BE 50"
- 13 FROM STUD TO STUD, RUN FROM FLOOR TO CEILING. PREP CHASE AND
- 14 PROVIDE 37" (W) X 1" (D) CHASE WITH PLUMBING DRAWINGS.
- 15 PROVIDE STRUCTURAL STEEL BRACING FOR EXISTING DUCTWORK OPENING IN EXISTING AND/OR
- 16 NEW WALL. CONTRACTOR TO VERIFY SIZE OF EXISTING DUCTWORK. COORDINATE WITH
- 17 STRUCTURAL STEEL S000 FOR GENERAL LISTED REQUIREMENTS.
- 18 PROVIDE JOINT SEALANT TO DETAIL, G/AM02.
- 19 PROVIDE TRANSOM OPENING AS REQUIRED FOR NEW DOOR AND FRAME
- 20 INSTALLATION, REFERENCE TO DETAIL, G/AM02.
- 21 ADJUST EXISTING DOOR OPENING WIDTH / LOCATION AS REQUIRED FOR NEW DOOR AND
- 22 FRAME INSTALLATION, REFERENCE TO DETAIL, G/AM02.
- 23 PROVIDE WINDOW BASE AS REQUIRED FOR NEW DOOR OPENING, PAINT P-1.
- 24 ADJUST EXISTING DOOR OPENING FOR NEW DOOR HEIGHT AS REQUIRED, REFERENCE TO
- 25 DETAIL, G/AM02.
- 26 EXISTING WINDOW BASE, PAINT P-1 TO MATCH WALL.

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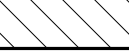
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A. REFERENCE INTERIOR ELEVATIONS FOR MATERIAL, FINISH LOCATIONS AND TRANSITIONS
B. REFERENCE REFLECTED CEILING PLAN FOR CEILING MATERIAL.
C. PAINT ALL CEILING SOFFITS ON ALL EXPOSED FACES, UNLESS NOTED OTHERWISE.
D. ALL EXPOSED STRUCTURE AND EXPOSED COLUMN, 1" UNO, 1" UNO
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 AND APRON.
G. MANUFACTURER'S SILL AND CASEWORK DETAILS, COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
H. WHERE NEW AND EXISTING FINISHES ABUT ONE ANOTHER AND ARE OF THE SAME MATERIAL, PATCH IN SURFACE TO MATCH EXISTING FINISH IN APPEARANCE. PAINT WALL SURFACE FROM FLOOR TO CEILING AND CORNER TO CORNER.
I. SCHEDULE FLOOR FINISHES ARE INTENDED TO RUN UP TO THE FIXED CASEWORK TOE.
J. FINISH INSIDE ALCOVES, ETC.
K. PREP FLOORS TO RECEIVE NEW FINISHES WITH THE DEMOLITION PLANS AS THE SUBSTRATES VARY.
L. PATCH PORTION OF FLOOR SMOOTH WITH ADJACENT FLOOR FINISH FOLLOWING DEMOLITION OF WALLS. COORDINATE WITH SHEETS AD10, AD11, AND AD12.

-  AREAS TO RECEIVE CARPET (CPT-1)
-  AREAS TO RECEIVE VINYL COMPOSITION TILE (VCT-1)
-  AREAS TO RECEIVE WALK-OFF CARPET (WCPT-1)
-  AREAS TO RECEIVE EPOXY FLOORING (EF-1)

[illegible]

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INTERIOR FINISH PLAN - BASEMENT LEVEL

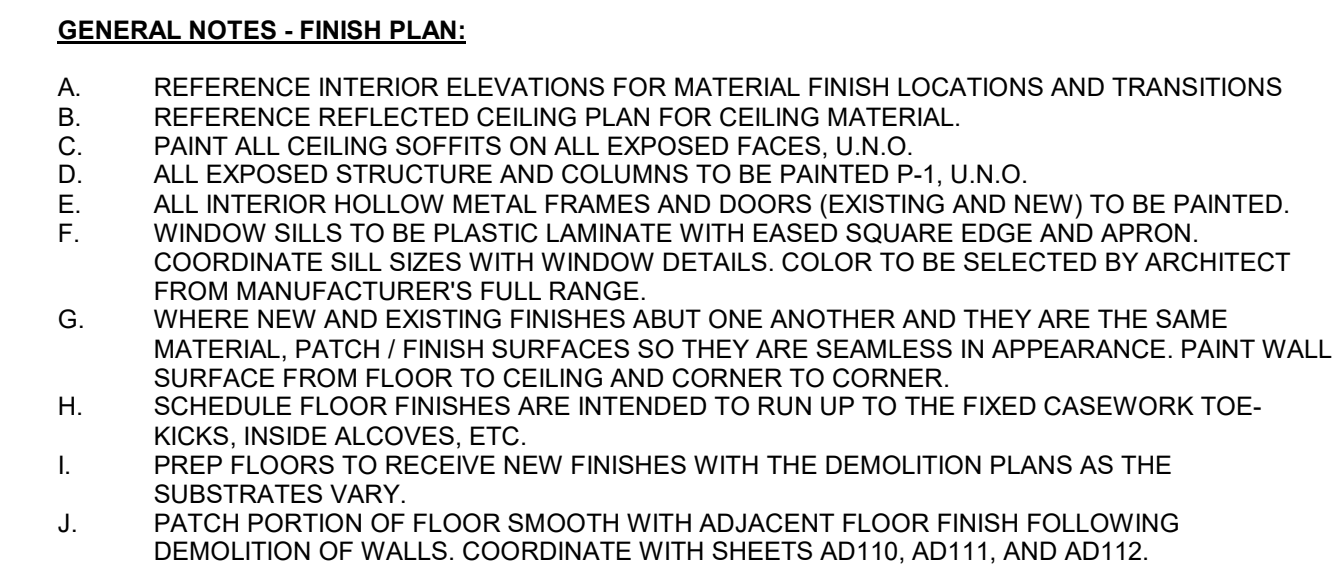
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DATE: 03-22-2024

JOB NUMBER:
257-014

SHEET: **A120**



- AREAS TO RECEIVE CARPET (CPT-1)
- AREAS TO RECEIVE VINYL COMPOSITION TILE (VCT-1)
- AREAS TO RECEIVE WALK-OFF CARPET (WCPT-1)
- AREAS TO RECEIVE EPOXY FLOORING (EF-1)

				DRAWN:	MJM
				DESIGNED:	MJM
				CHECKED:	MJM
03-22-2024	DATE	NO.	BID SET DESCRIPTION	YES PROJ./MGRS:	MJM
				BY	

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INTERIOR FINISH PLAN - FIRST LEVEL

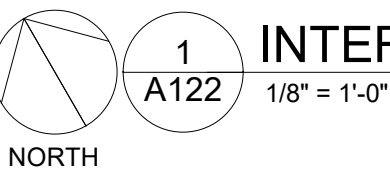
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SHEET: **A121**



DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

INTERIOR FINISH PLAN - SECOND LEVEL

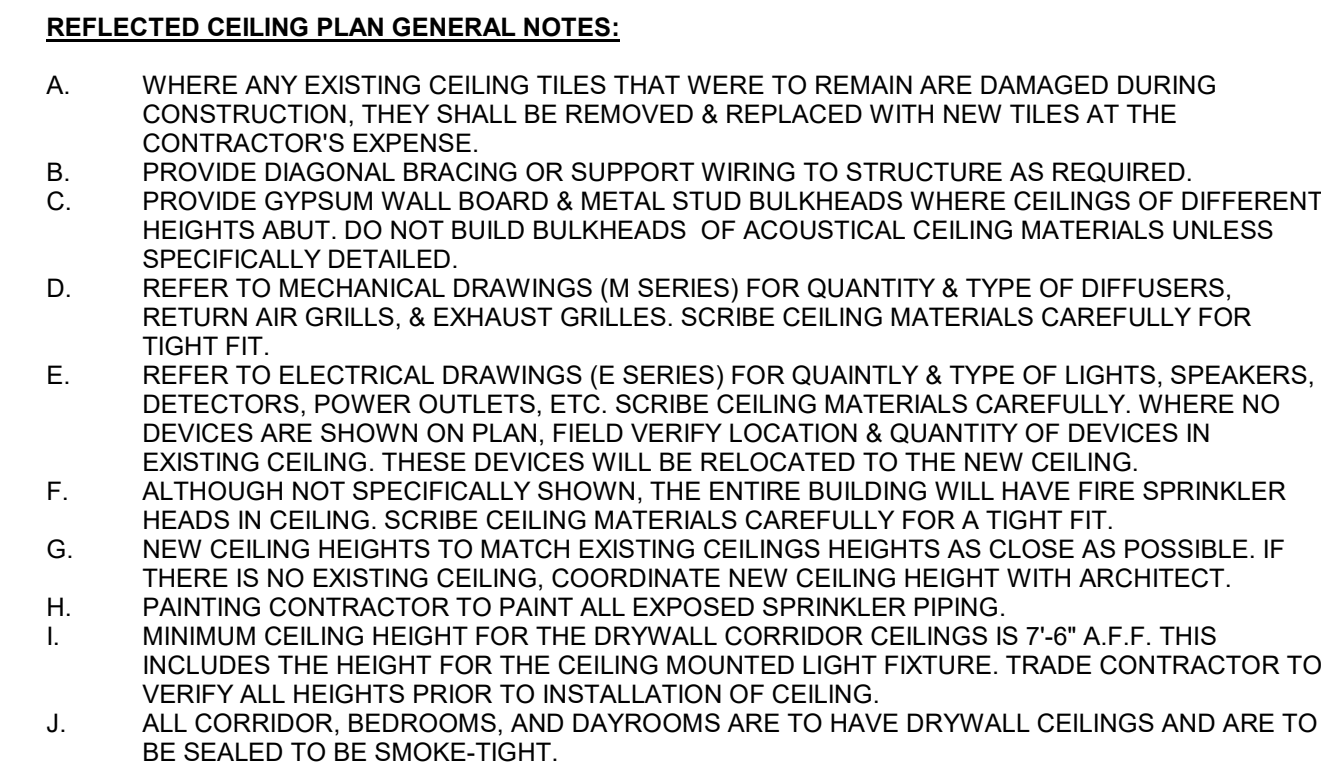
KPE
ARCHITECTURE
ENGINEERING
FORENSICS

SHEET: **A122**

-  AREAS TO RECEIVE CARPET (CPT-1)
-  AREAS TO RECEIVE VINYL COMPOSITION TILE (VCT-1)
-  AREAS TO RECEIVE WALK-OFF CARPET (WCPT-1)
-  AREAS TO RECEIVE EPOXY FLOORING (EF-1)

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		DESIGNED:	MJM
		CHECKED:	MJM
		KPE	BY
		BID SET	
		DESCRIPTION	
		NQ.	
		DATE	
		05-22-2024	

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	EXPPOSED TO STRUCTURE ABOVE
	2-4R EXISTING FIRE RATED WALL WITH 90 MINUTE RATED OPENINGS
	1-R FIRE RATED WALL WITH 60 MINUTE RATED OPENINGS
	SMOKE BARRIER WITH 20 MINUTE RATED OPENINGS
	PENDANT LIGHT
	RECESSED DOWN LIGHT
	WALL MOUNTED LIGHT
	1' X 4' LIGHT (EXISTING SHOWN HALF-TONED)
	2' X 4' LIGHT (EXISTING SHOWN HALF-TONED)
	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)

#	DESCRIPTION
1	PROVIDE A 24"x 24" ACCESS DOOR FOR DRYWALL CEILING IN THIS ROOM, SEE DETAIL 2/A131 FOR MORE INFORMATION. COORDINATE FINAL LOCATION WITH BUILDING MAINTENANCE STAFF.
2	CENTER LIGHT FIXTURE IN ROOM AND/OR CORRIDOR.

[illegible]

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REFLECTED CEILING PLAN - BASEMENT LEVEL

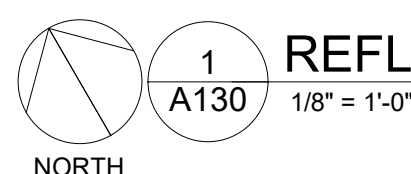
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DATE: 03-22-2024

JOB NUMBER:
257-014

SHEET: **A130**



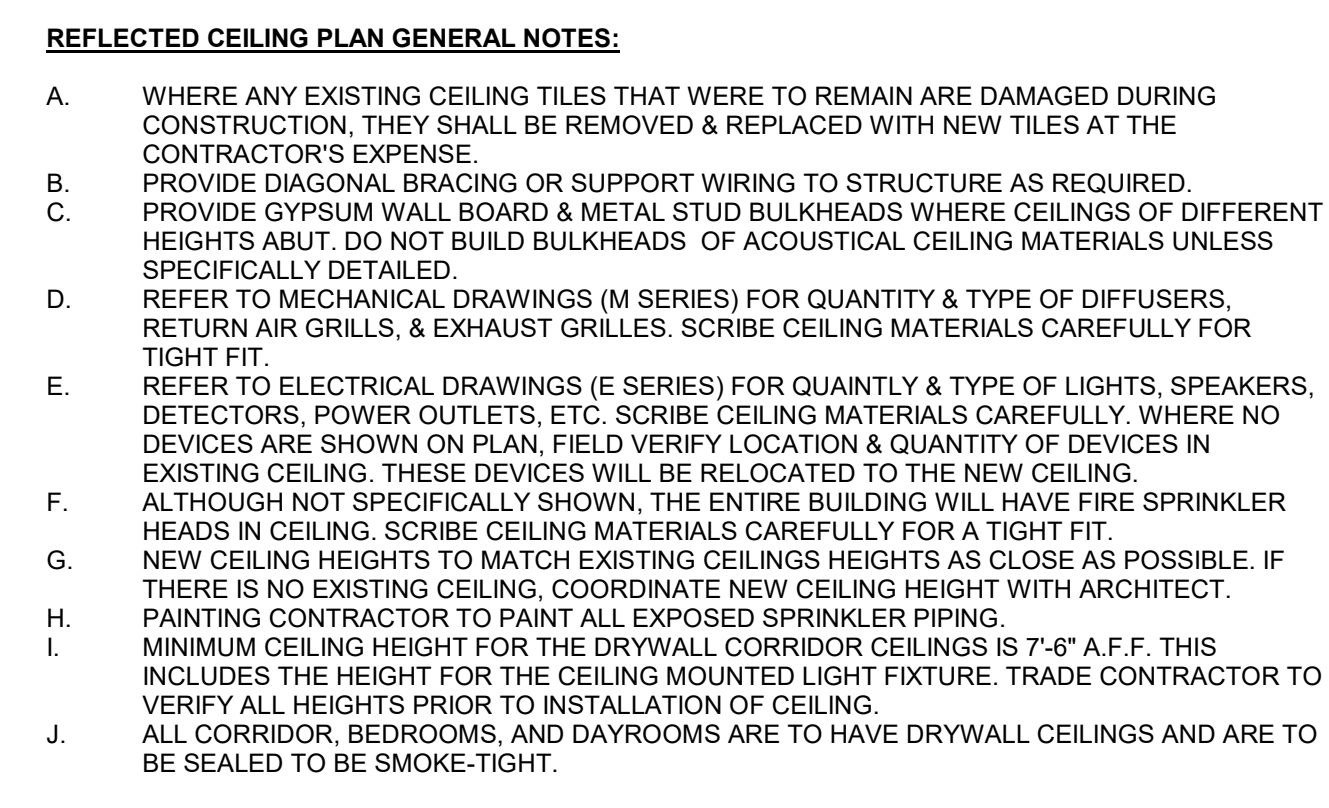
REFLECTED CEILING PLAN - BASEMENT LEVEL



KEYNOTES

#	DESCRIPTION
1	ADD (1) LAYER 5/8" TYPE "X" GYP BOARD ABOVE DOOR. CONTRACTOR TO VERIFY HEIGHT.
2	PROVIDE A 24" X 24" ACCESS DOOR FOR DRYWALL CEILING IN THIS CORRIDOR. SEE DETAIL 2/13/1 FOR MORE INFORMATION. SEAL PERIMETER OF DOOR SO IT IS SMOKE-TIGHT.
3	COORDINATE FINAL LOCATION WITH BUILDING MAINTENANCE STAFF.
4	REMOVE (1) LAYER 5/8" TYPE "X" GYP BOARD ABOVE DOOR FOR DRYWALL CEILING IN THIS CORRIDOR. SEE DETAIL 2/13/1 FOR MORE INFORMATION. SEAL PERIMETER OF DOOR SO IT IS SMOKE-TIGHT.
5	COORDINATE FINAL LOCATION WITH BUILDING MAINTENANCE STAFF.
6	REMOVE A 24" X 24" ACCESS DOOR FOR DRYWALL CEILING IN THIS ROOM. SEE DETAIL 2/13/1 FOR MORE INFORMATION. COORDINATE FINAL LOCATION WITH BUILDING MAINTENANCE STAFF.
7	DUE TO POSSIBLE CLEARANCE ISSUES ABOVE THE EXISTING CEILINGS IN THE CORRIDORS, THE DRYWALL CEILING NEEDS TO BE SUPPORTED BY A SUSPENDED SYSTEM. TRADE CONTRACTOR TO VERIFY AFTER DEMOLITION IF A CONVENTIONAL FRAMING SYSTEM COULD BE USED.
8	CENTER LIGHT FIXTURE IN ROOM AND/OR CORRIDOR.
9	CENTER LIGHT FIXTURE IN SHOWER.

DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	A131



	EXPPOSED TO STRUCTURE ABOVE
	2-HR EXISTING FIRE RATED WALL WITH 90 MINUTE RATED OPENINGS
	1-HR FIRE RATED WALL WITH 60 MINUTE RATED OPENINGS
	SMOKE BARRIER WITH 20 MINUTE RATED OPENINGS
	PENDANT LIGHT
	RECESSED DOWN LIGHT
	WALL MOUNTED LIGHT
	1' X 4' LIGHT (EXISTING SHOWN HALF-TONED)
	2' X 4' LIGHT (EXISTING SHOWN HALF-TONED)
	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)

DESCRIPTION

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

2 EXTEND WALL FRAMING UP TO ROOF CEILING. PROVIDE (1) LAYER 5/8" TYPE "X" GYP BOARD EACH SIDE TO UNDERSIDE OF ROOF DECK.

3 PROVIDE (1) LAYER 5/8" TYPE "X" GYP BOARD EACH SIDE OF EXISTING WALL FRAMING ABOVE CEILING.

4 CENTER LIGHT FIXTURE IN ROOM AND/OR CORRIDOR.

5 PROVIDE A 24" X 24" ACCESS DOOR FOR DRYWALL CEILING IN THIS CORRIDOR. SEE DETAIL 2/1315 FOR MORE INFORMATION. SEAL PERIMETER OF DOOR SO IT IS SMOKE-TIGHT. COORDINATE FINAL LOCATION WITH BUILDING MAINTENANCE STAFF.

6 PROVIDE FIVE (5) 24" X 24" ACCESS DOORS FOR DRYWALL CEILING IN THIS CORRIDOR. SEE DETAIL 2/1315 FOR MORE INFORMATION. SEAL PERIMETER OF DOOR SO IT IS SMOKE-TIGHT. COORDINATE FINAL LOCATION WITH BUILDING MAINTENANCE STAFF.

7 PROVIDE A 24" X 24" ACCESS DOOR FOR DRYWALL CEILING IN THIS ROOM. SEE DETAIL 2/1315 FOR MORE INFORMATION. COORDINATE WITH LOCATION WITH BUILDING MAINTENANCE STAFF.

8 DUE TO POSSIBLE CLEARANCE ISSUES ABOVE THE EXISTING CEILINGS IN THE CORRIDORS, THE NEW DRYWALL CEILING NEEDS TO BE SUPPORTED BY A SUSPENDED SYSTEM. TRADE CONTRACTOR TO VERIFY AFTER DEMOLITION IF A CONVENTIONAL FRAMING SYSTEM COULD BE USED.

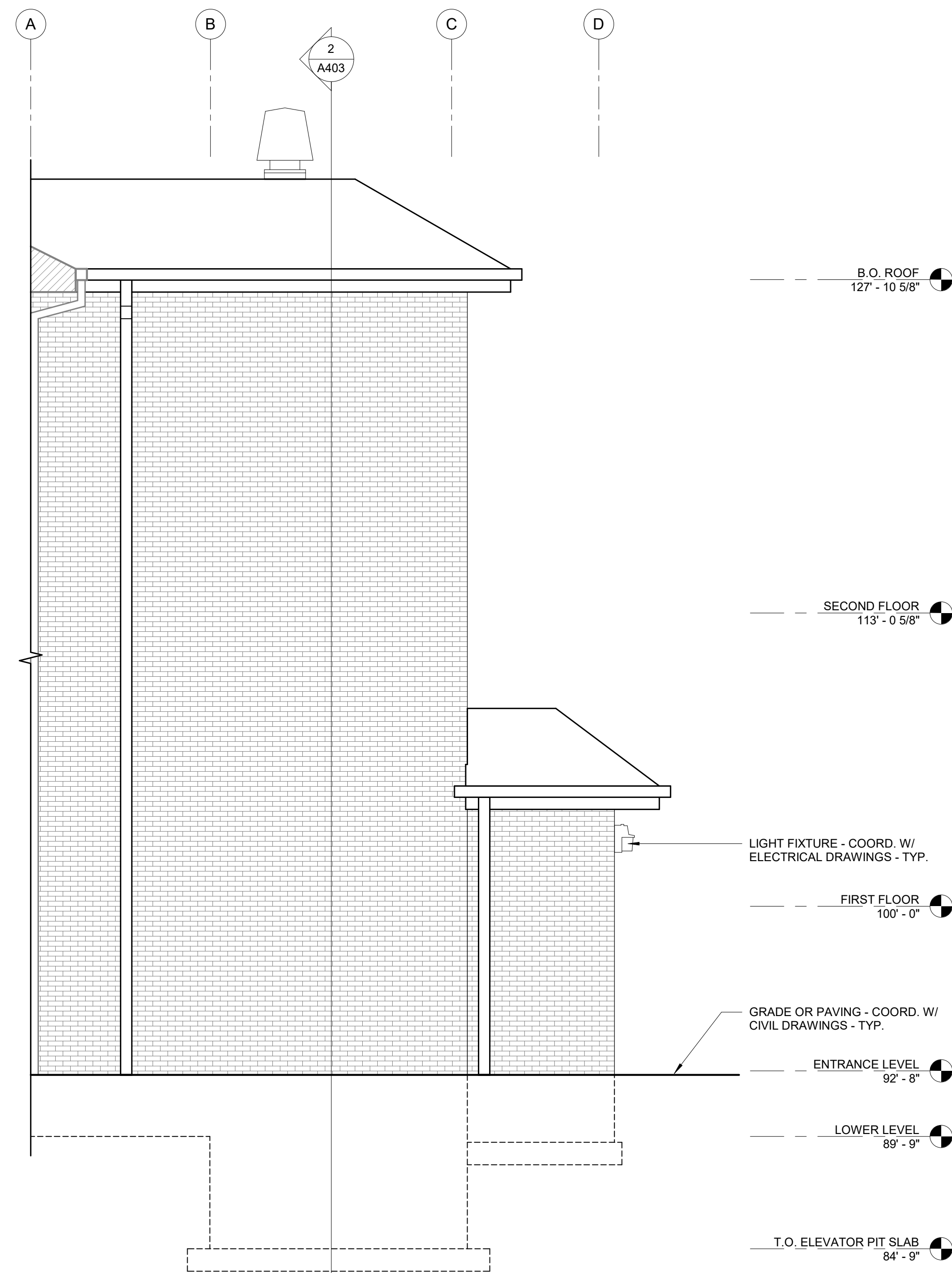
9 CENTER LIGHT FIXTURE IN SHOWER.

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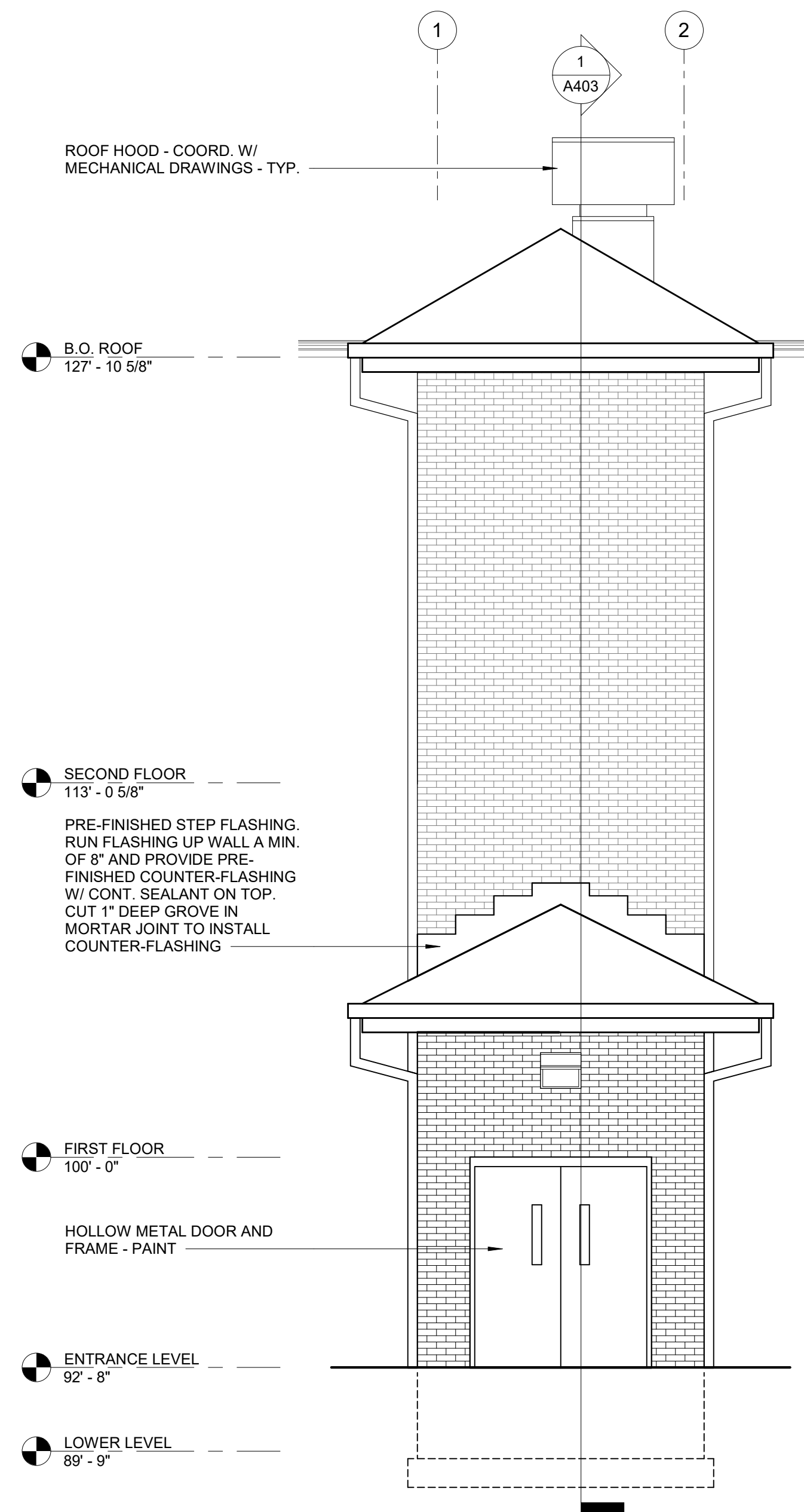
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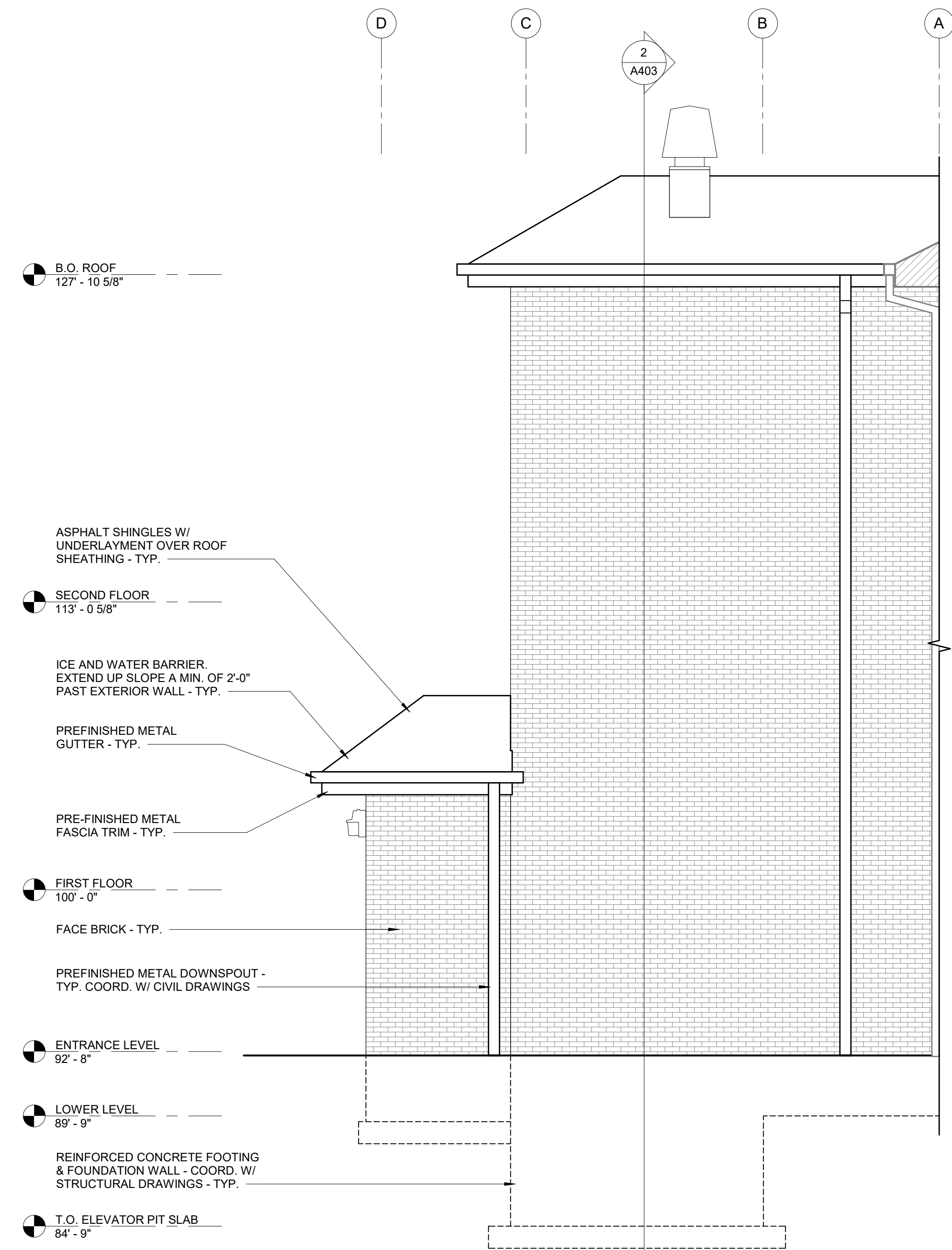
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JOB NUMBER:	257-014
SHEET:	A132



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"

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)		CHEROKEE MENTAL HEALTH INSTITUTE 1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012		3555 FARNAM ST., SUITE 406 OMAHA, NE 68131 PHONE: (402) 291-1444 TOLL FREE: (888) 484-4939 WWW.KPE-INC.COM		KPE ARCHITECTURE ENGINEERING FORENSICS		DATE: 03-22-2024		JOB NUMBER: 257-014		SHEET: A201							
EXTERIOR BUILDING ELEVATION																			
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												DATE		03-22-2024					

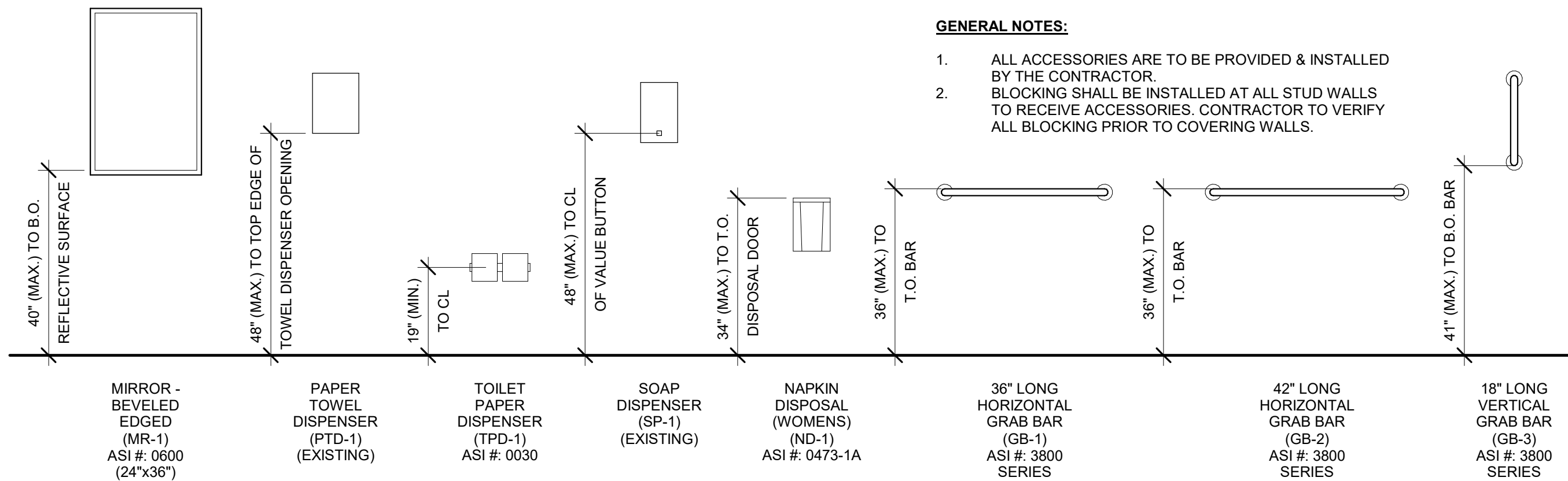
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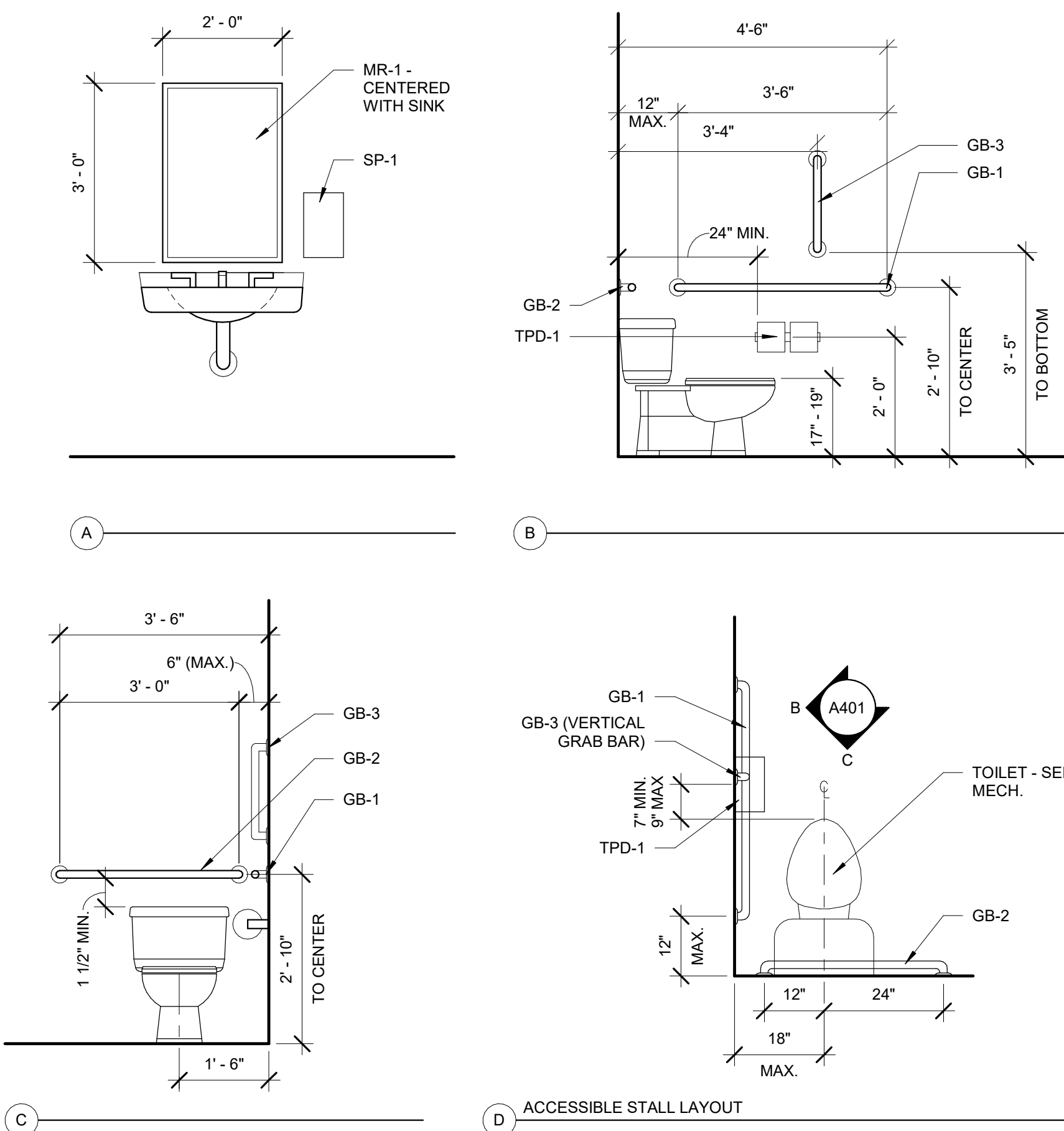
#	DESCRIPTION
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- 1 INFILL EXISTING OPENING WITH STUDS/GWB AND MATCH EXISTING WALL THICKNESS. PREP WALL AND PAINT (P-1).
2 NEW PRE-MANUFACTURED SHOWER UNIT. COORDINATE WITH PLUMBING DRAWINGS.
3 NEW 3/8" METAL STUD FRAMING.
4 NEW HM WINDOW AND TRANSOM DRAWER INSTALLED IN THE COUNTERTOP. COORDINATE WALL LOCATION WITH
5 ELECTRICAL DRAWINGS AND COORDINATE PLUMBING DRAWINGS WITH OWNER. COORDINATE WITH
6 HILLO DRINKING FOUNTAIN WITH BOTTLE FILLER ON ONE SIDE - COORDINATE WITH PLUMBING DRAWINGS. MOUNTING
7 HOOK TO MEET CURRENT ACCESSIBILITY CODE. PROVIDE CANE APRON.
8 PROVIDE FOUR (4) COUNTERTOP GROMMETS - REFER TO SPECIFICATIONS FOR MORE INFORMATION. COORDINATE WITH
9 ELECTRICAL DRAWINGS AND COORDINATE PLUMBING DRAWINGS WITH OWNER.
10 PROVIDE TWO (2) COUNTERTOP GROMMETS - REFER TO SPECIFICATIONS FOR MORE INFORMATION. COORDINATE WITH
11 ELECTRICAL DRAWINGS AND COORDINATE PLUMBING DRAWINGS WITH OWNER.
12 PROVIDE ONE (1) COUNTERTOP GROMMET - REFER TO SPECIFICATIONS FOR MORE INFORMATION. COORDINATE WITH
13 ELECTRICAL DRAWINGS AND COORDINATE PLUMBING DRAWINGS WITH OWNER.
14 OMNICEIL - PROVIDED BY OWNER. COORDINATE WITH ELECTRICAL DRAWINGS.
15 THE TRADE CONTRACTOR TO FIELD VERIFY THE CENTER LINE OF EXISTING TOILET FLANGE. IF THE CENTER LINE IS LESS
16 THAN 16" OR MORE THAN 16" FROM THE SIDE WALL, THE CONTRACTOR SHALL LET THE ARCHITECT KNOW.
17 INFILL OPENING EXISTING WALL WITH STUDS/GWB AND MATCH EXISTING WALL THICKNESS AND FINISHES.
18 ADJUST WALL LOCATIONS AS REQUIRED FOR SELECTED SHOWER MANUFACTURER'S REQUIREMENTS.
19 PROVIDE A COLLAPSIBLE SHOWER THRESHOLD WATER DAM FOR THE ENTIRE LENGTH OF THE SHOWER.
20 PREP AND PAINT (P-1) EXISTING EXPOSED COLUMN TO REMAIN.
21 TRADE CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING TOILET FLANGE TO MAKE SURE THAT THE NEW TOILET
22 WILL BE WITHIN THE EXISTING WALL LOCATIONS. IF THE LOCATIONS ARE 16" OR LESS THAN 16" OR MORE THAN 16" OFF THE
23 EXISTING WALL, IF THE EXISTING FLANGE DOES NOT MEET THESE REQUIREMENTS, THEN THE EXISTING WALL WILL NEED
24 TO BE FURRED OUT. COORDINATE WITH ARCHITECT.
25 WRAP OPENING WITH STAINLESS STEEL (ALL THREE SIDES), RETURN BACK ON BOTH SIDES OF THE WALL A MINIMUM OF

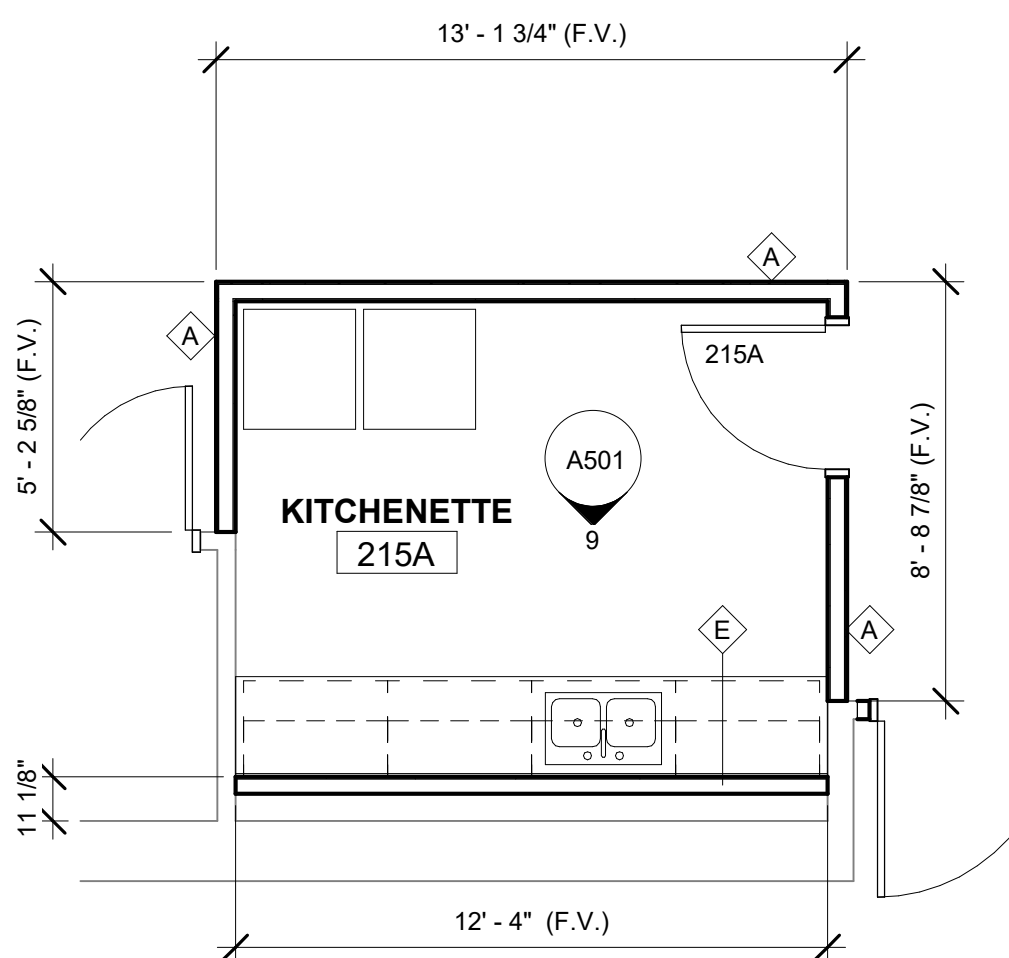
1. ALL ACCESSORIES ARE TO BE PROVIDED & INSTALLED BY THE CONTRACTOR.
2. BLOCKING SHALL BE INSTALLED AT ALL STUD WALLS TO RECEIVE ACCESSORIES. CONTRACTOR TO VERIFY ALL BLOCKING PRIOR TO COVERING WALLS.



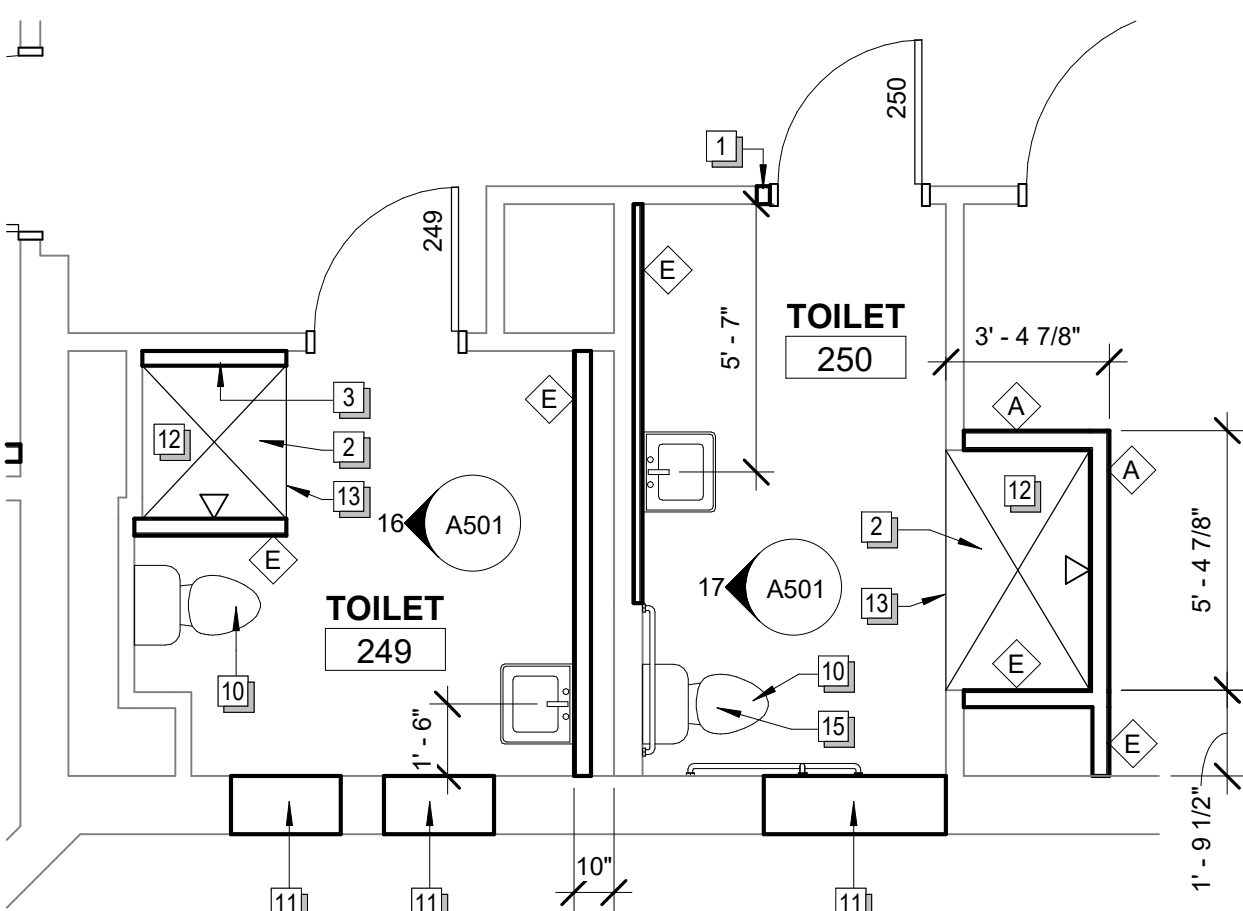
9 TOILET ACCESSORIES - MOUNTING HEIGHTS



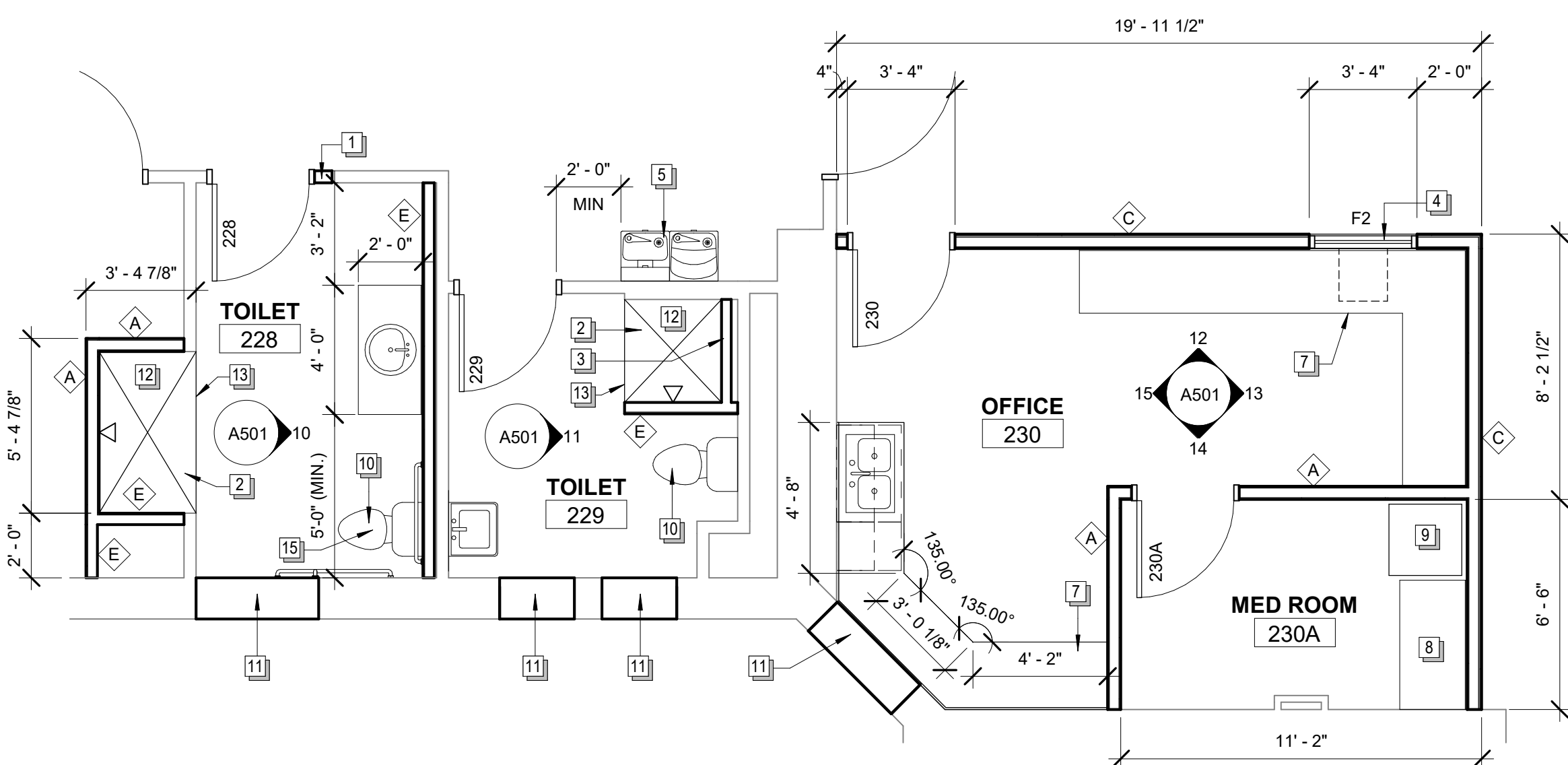
8 TYPICAL TANK TOILET ELEVATIONS / ACCESSORIES



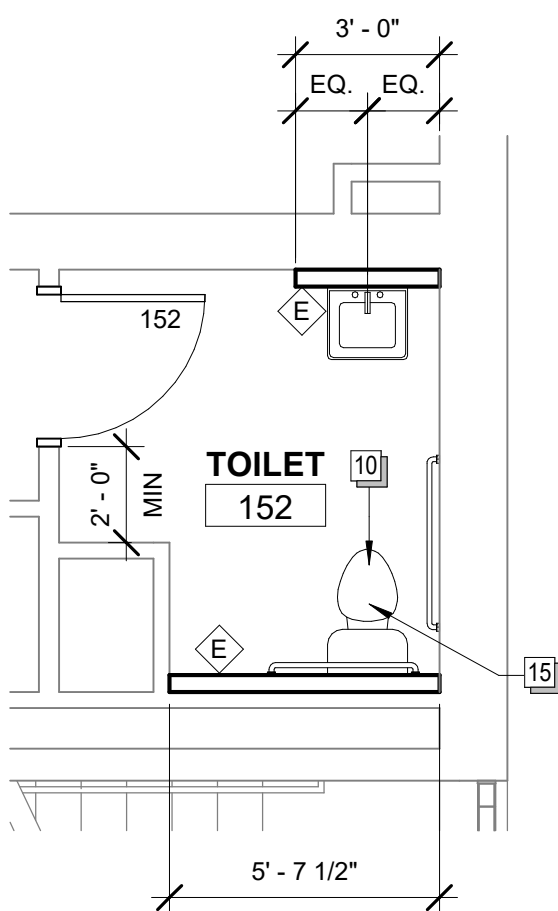
 **7** ENLARGED PLAN - KITCHENETTE 215A
A401 1/4" = 1'-0"



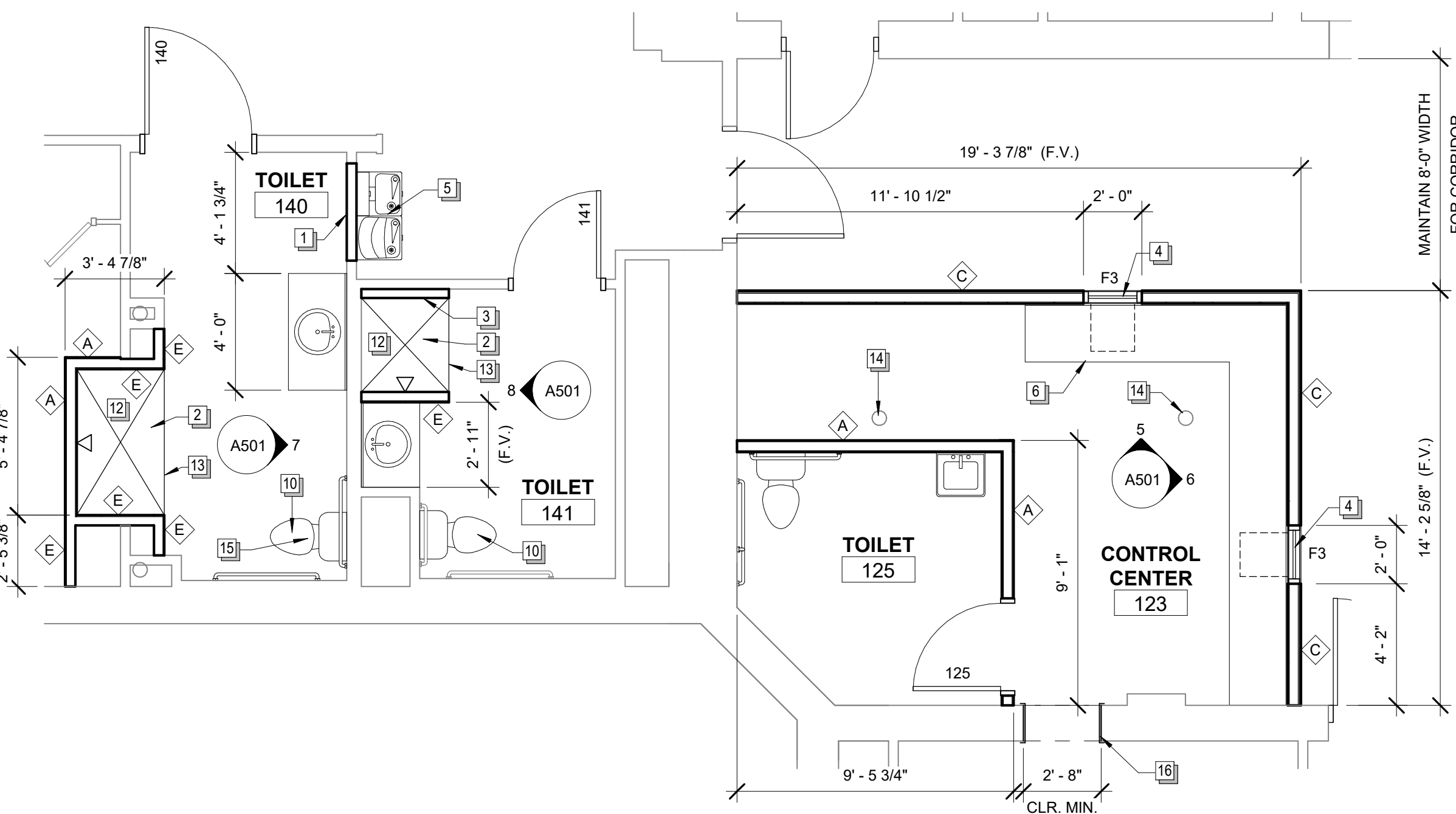
 **6** **ENLARGED PLAN - BATH 249 / 250**
A401 $1/4" = 1'-0"$
NORTH



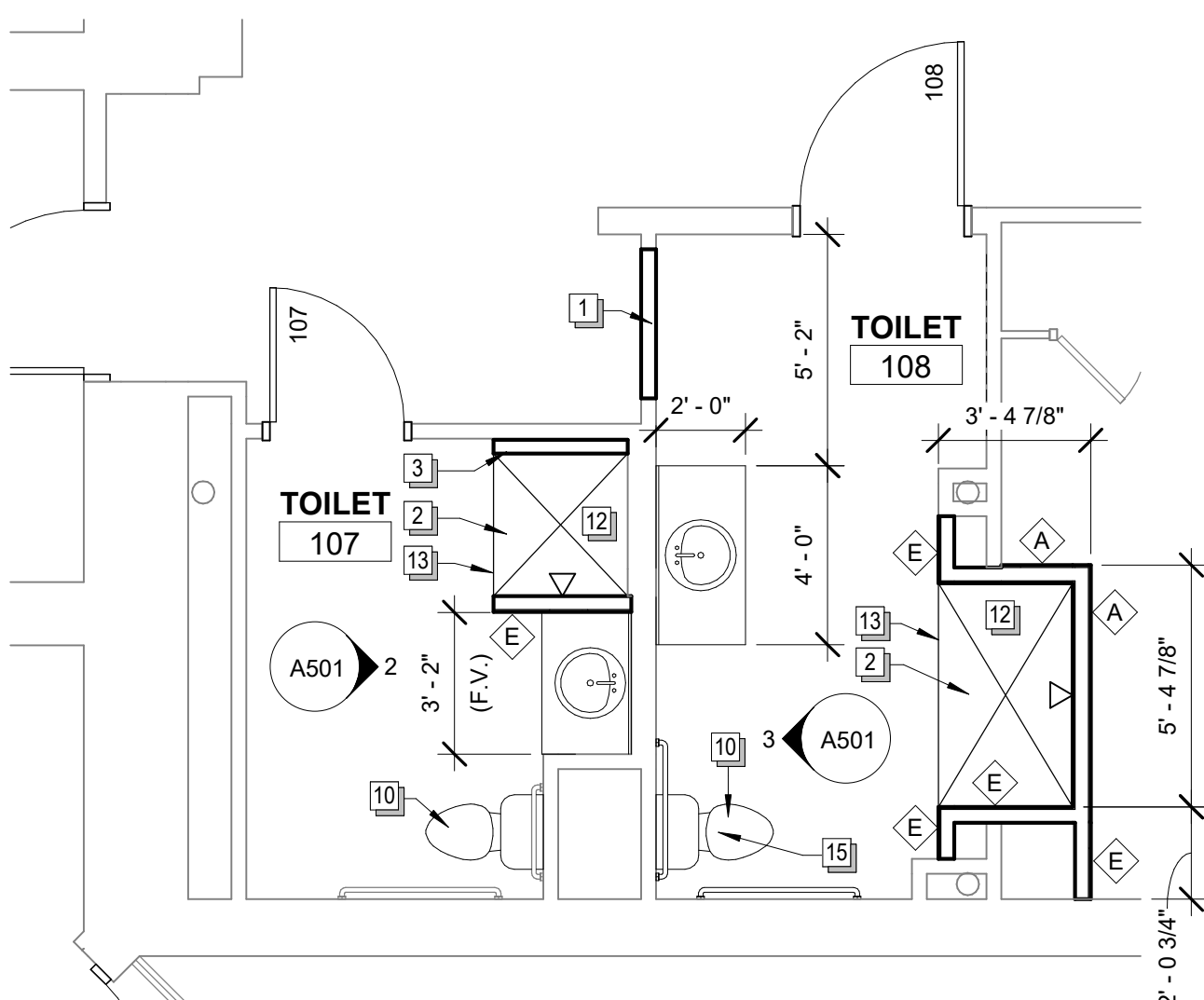
ENLARGED PLAN - BATH 228 / 229 / OFFICE 230 / MED ROOM 230A



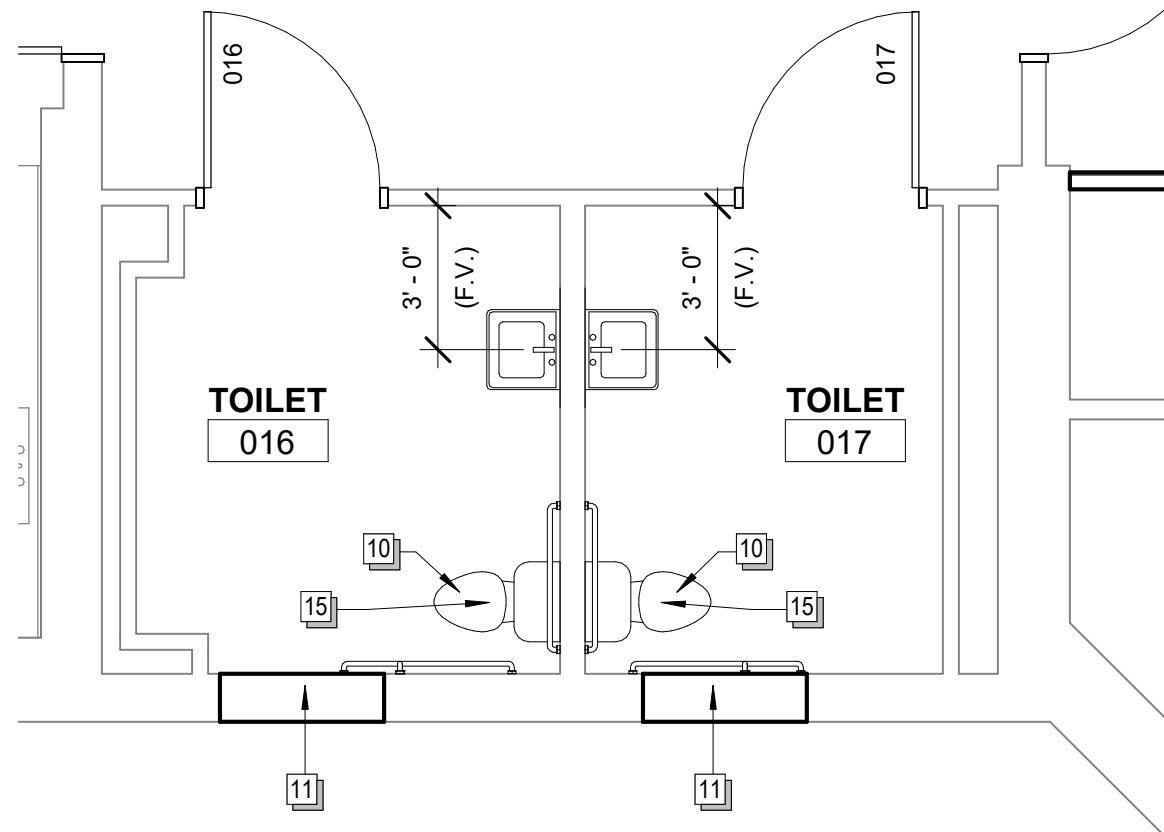
 **4** **ENLARGED PLAN - BATH 152**
A401 1/4" = 1'-0"



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



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



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



#	DESCRIPTION
---	-------------

- 2 INFILL EXISTING OPENING WITH STUDS/GWB AND MATCH EXISTING WALL THICKNESS. PREP WALL AND PAINT (P-1).
- 3 CENTER WALL ON BEAM ABOVE.
- 4 PREP AND PAINT (P-1) EXISTING EXPOSED COLUMN TO REMAIN.
- 5 WRAP OPENING WITH STAINLESS STEEL (ALL THREE SIDES), RETURN BACK ON BOTH SIDES OF THE WALL A MINIMUM OF 4"
- 6 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).
- 7 PREP EXISTING MASONRY WALL TO BE PAINTED (P-1).
- 8 REINFORCED CONCRETE FOOTING - COORDINATE WITH STRUCTURAL DRAWINGS.
- 9 PREFINISHED METAL GUTTER AND DOWNSPOUTS.
- 10 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.
- 11 LINE OF WALL BELOW.
- 12 THE TRADE CONTRACTOR TO FIELD VERIFY EXISTING ROOF ELEVATIONS AND SLOPES. NEW ROOF SLOPE SHOULD MATCH EXISTING.
- 13 MODIFY EXISTING GUTTERS FOR NEW WORK.
- 14 PRE-FINISHED METAL VALLEY FLASHING AND UNDERLAYMENT.
- 15 REMOVE EXISTING SHINGLES AND UNDERLAYMENT AS REQUIRED FOR NEW WORK.
- 16 ROOF HOOD - COORDINATE WITH MECHANICAL DRAWINGS.
- 17 PROVIDE A MIN. OF 96 SQUARE INCHES OF FREE AREA FOR ATTIC VENTILATION, CONTRACTOR TO VERIFY. VENT SHALL BE 40" ROOF OR SLANT BACK STYLE. COLOR TO MATCH EXISTING ROOF VENTS.
- 18 PROVIDE A MIN. OF 40 SQUARE INCHES OF FREE AREA FOR ATTIC VENTILATION, CONTRACTOR TO VERIFY. VENT SHALL BE 40" ROOF OR SLANT BACK STYLE. COLOR TO MATCH EXISTING ROOF VENTS.
- 19 THE TRADE CONTRACTOR TO FIELD VERIFY EXISTING ROOF ELEVATION AND SLOPE. COORDINATE WITH STRUCTURAL DRAWINGS AND ROOF TRUSS DRAWINGS.
- 20 REINFORCED CONCRETE STRUCTURAL STOOP - COORDINATE WITH CIVIL AND STRUCTURAL DRAWINGS. SLOPE STOOP A MAXIMUM OF A 1/4" PER FOOT AWAY FROM BUILDING.

			DRAWN:	MJM
			DESIGNED:	MJM
			CHECKED:	MJM
03-23-2024	0	BID SET	PROJ. MGRS:	MJM
DATE	NO.	DESCRIPTION		BY

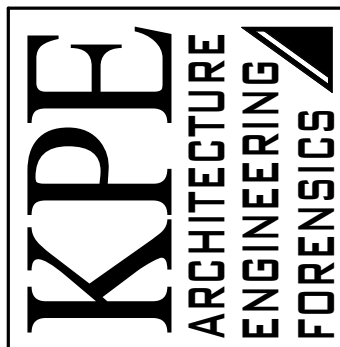
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ENLARGED ELEVATOR PLANS

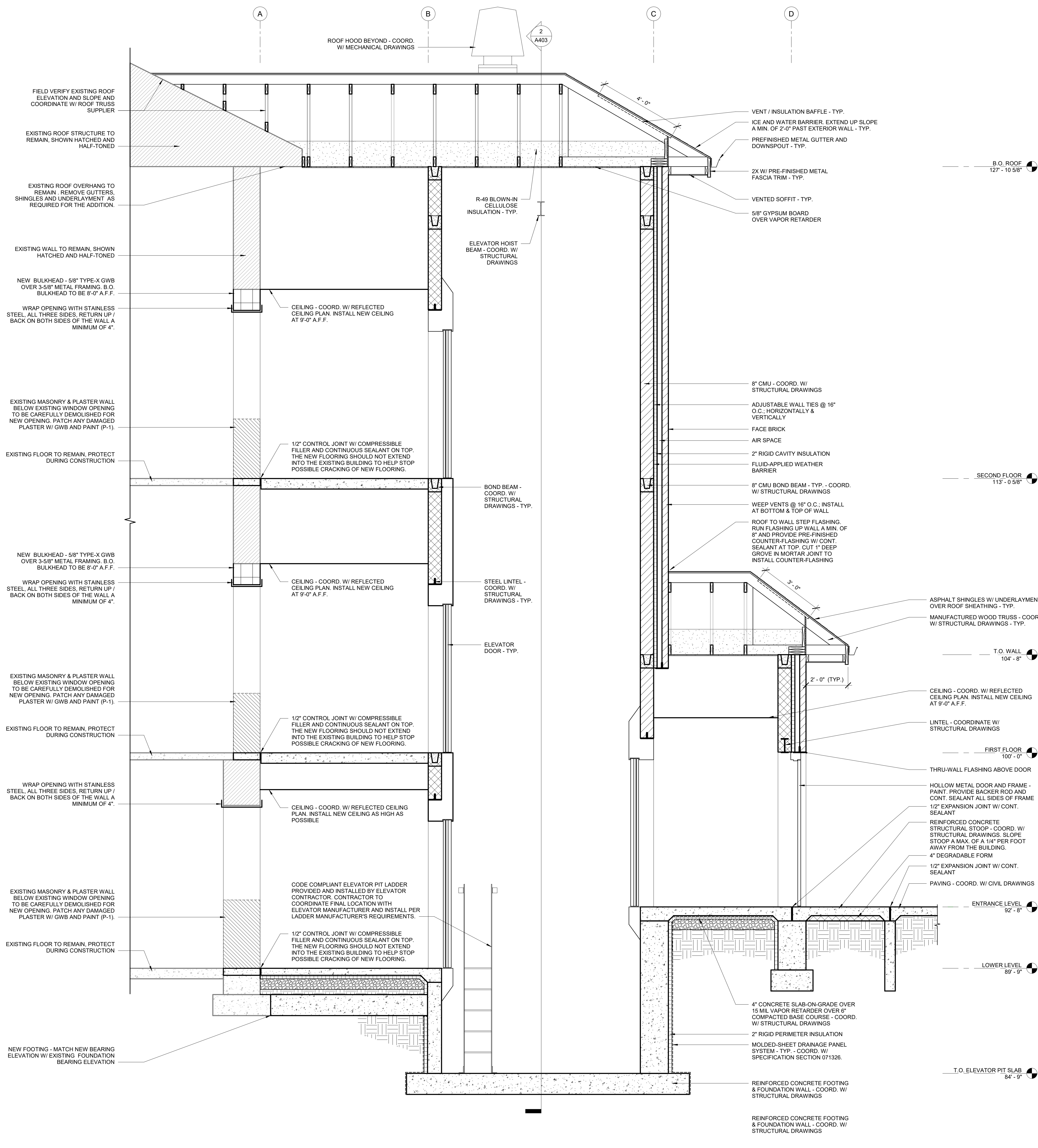
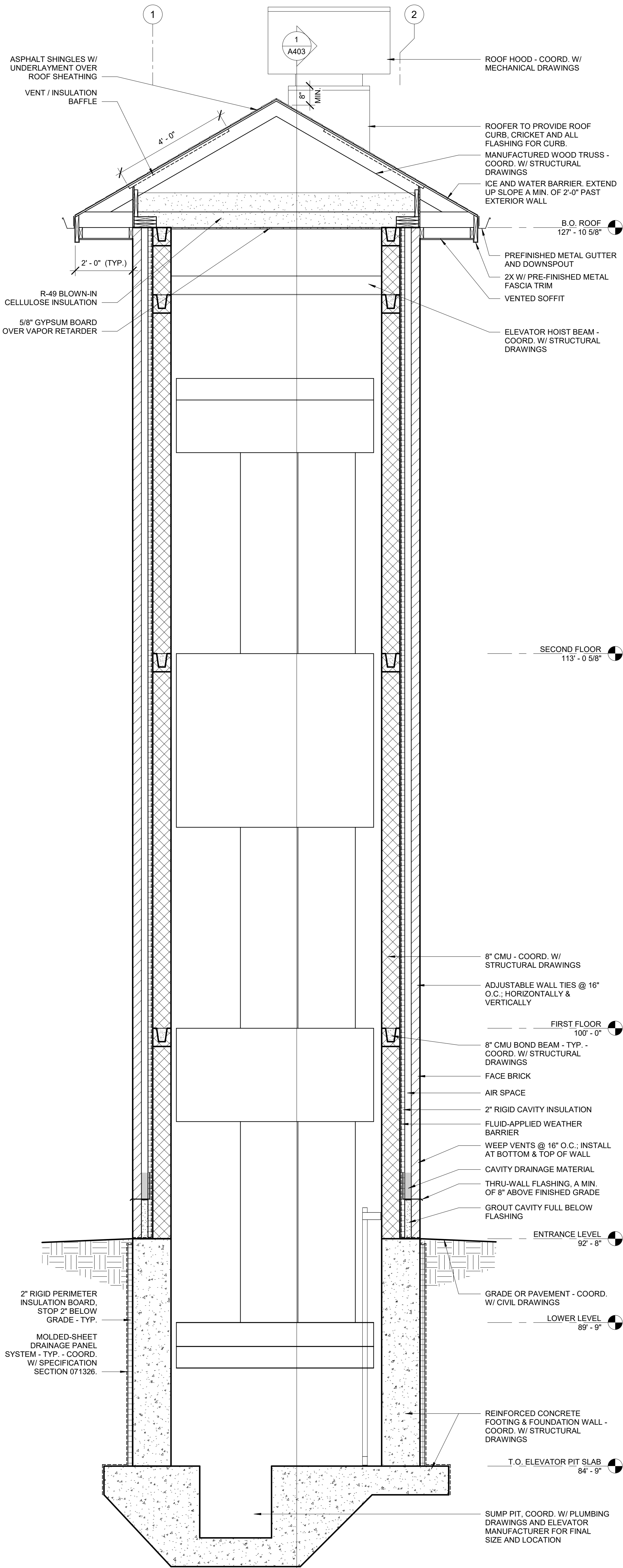
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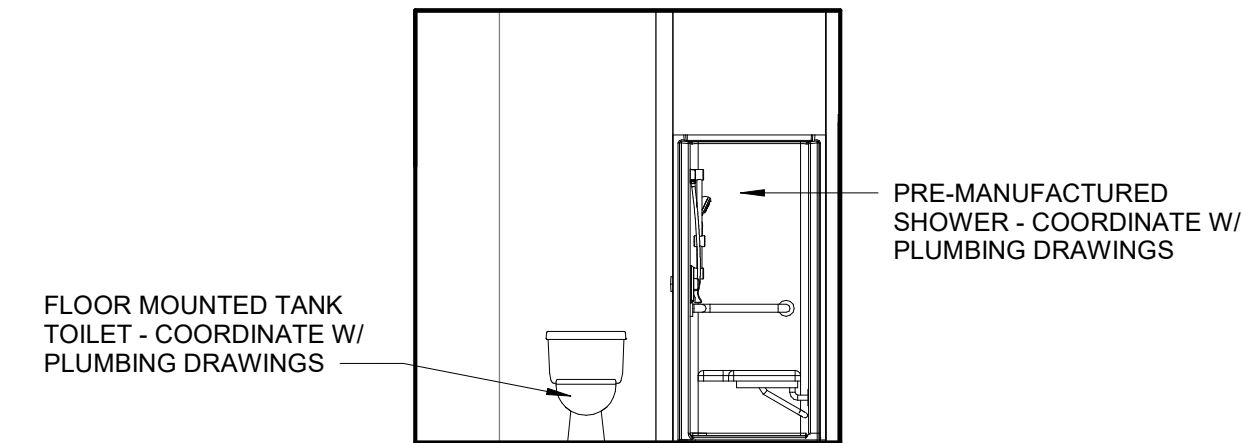
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JOB NUMBER:
257-014

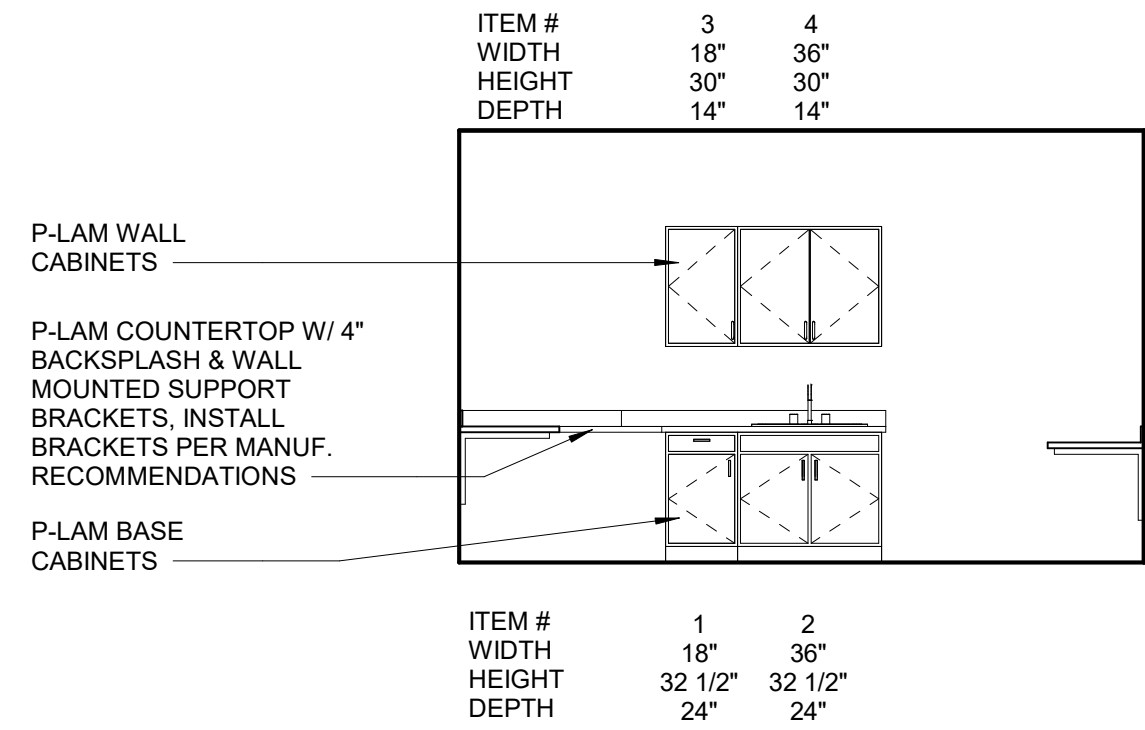
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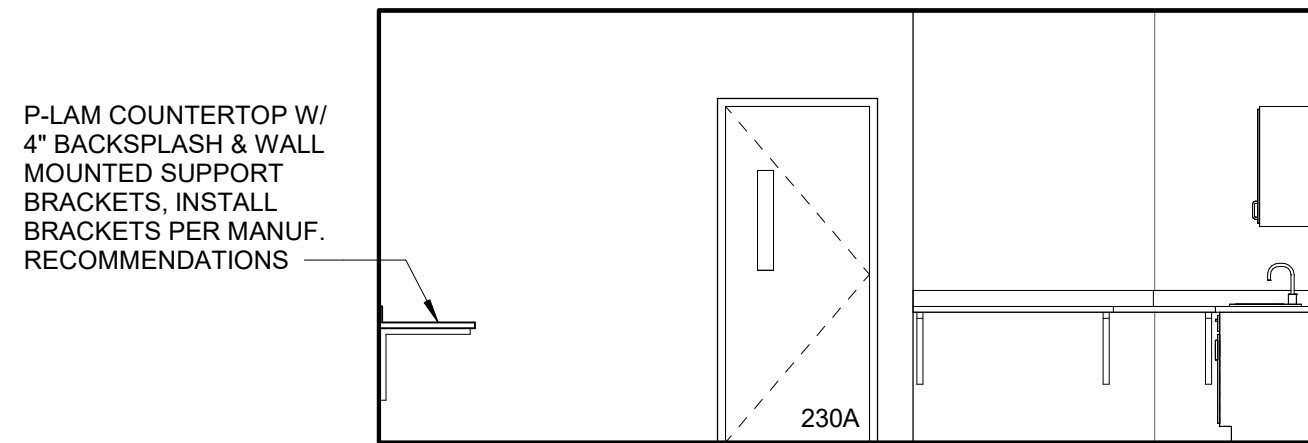
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DATE: 03-22-2024	NO. 0	BD SET	DESCRIPTION
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ELEVATOR SECTIONS			
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KPE ARCHITECTURE ENGINEERING FORENSICS			
DATE: 03-22-2024			
JOB NUMBER: 257-014			
SHEET: A403			



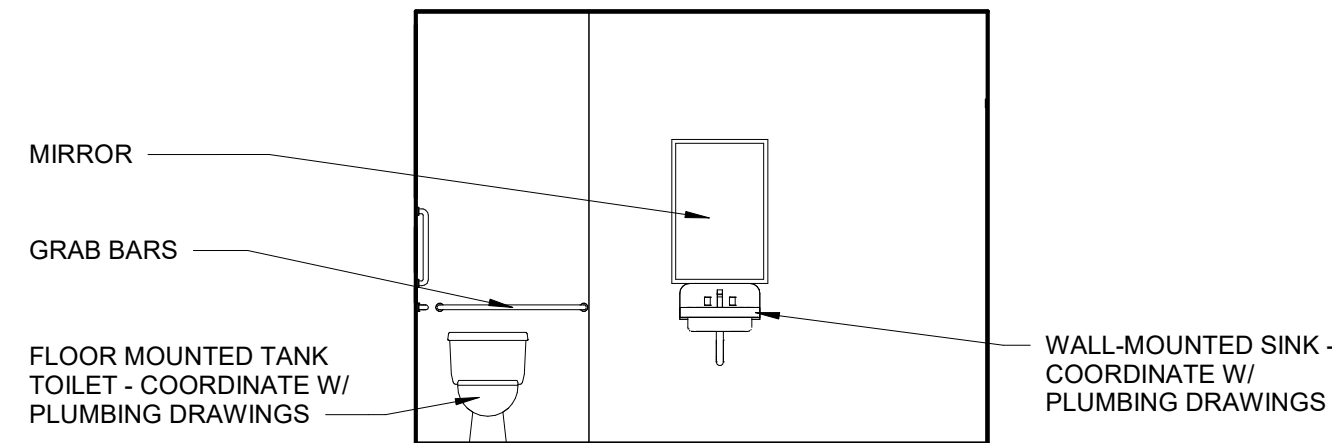
16
A501
SHOWER ELEVATION - TOILET 249
1/4" = 1'-0"



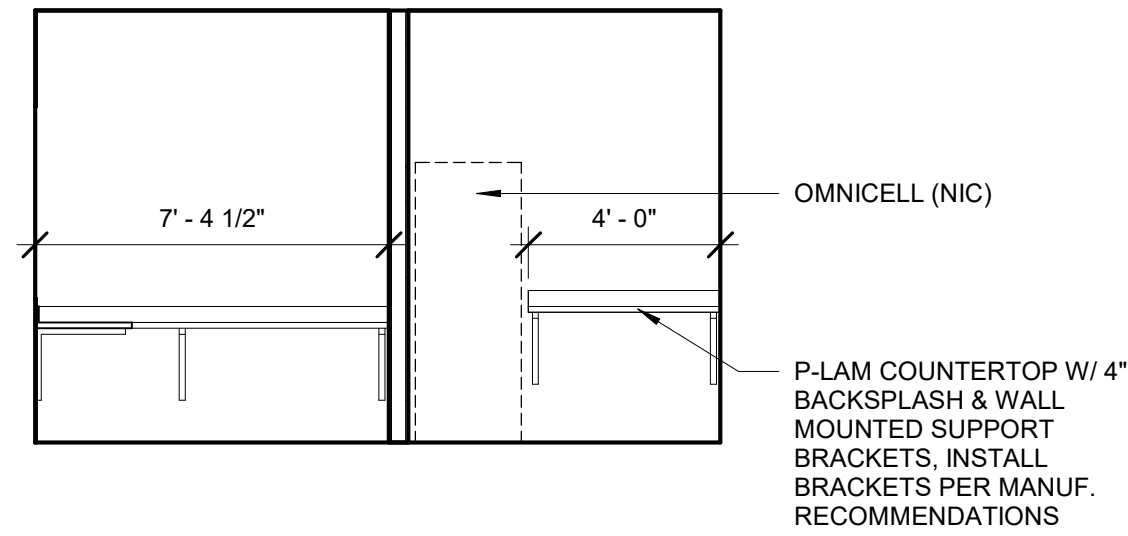
15
A501
CASEWORK WEST ELEVATION - OFFICE 230
1/4" = 1'-0"



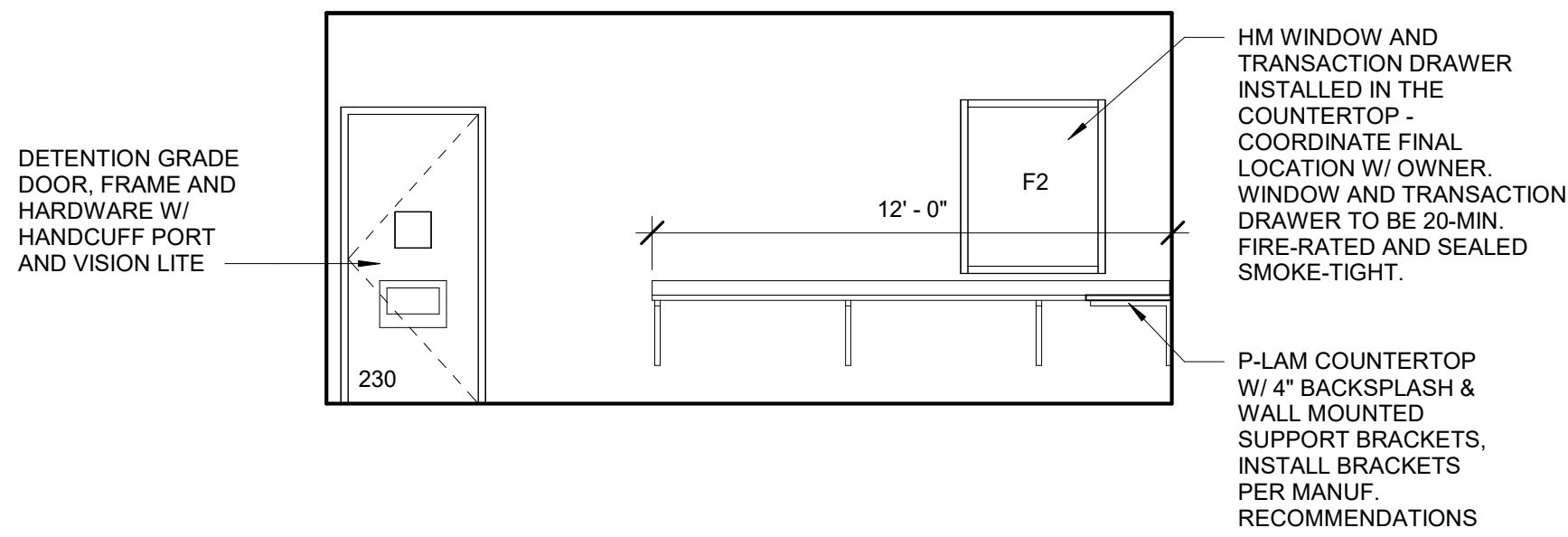
14
A501
CASEWORK SOUTH ELEVATION - OFFICE 230
1/4" = 1'-0"



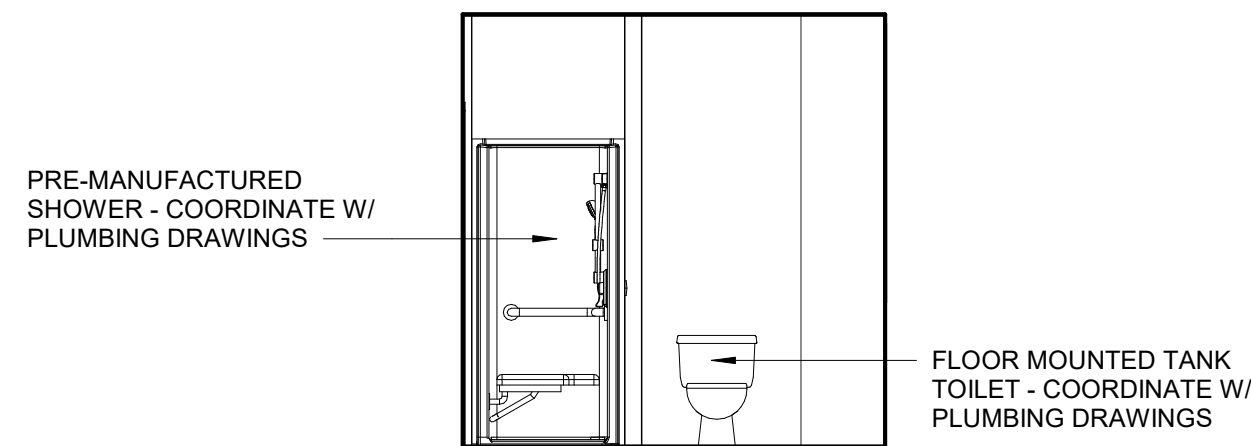
17
A501
CASEWORK ELEVATION - TOILET 250
1/4" = 1'-0"



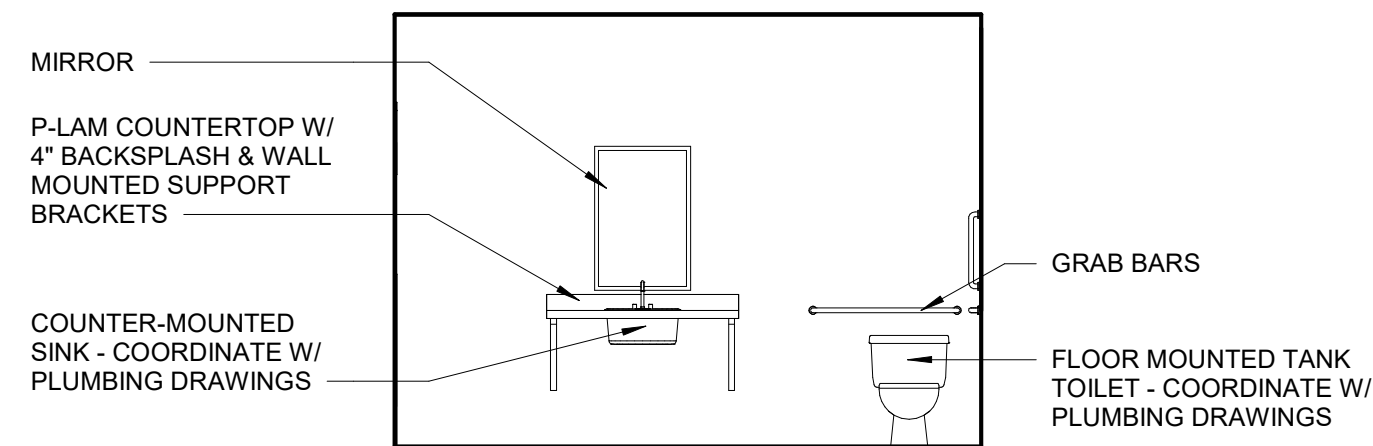
13
A501
CASEWORK EAST ELEVATION - OFFICE 230
1/4" = 1'-0"



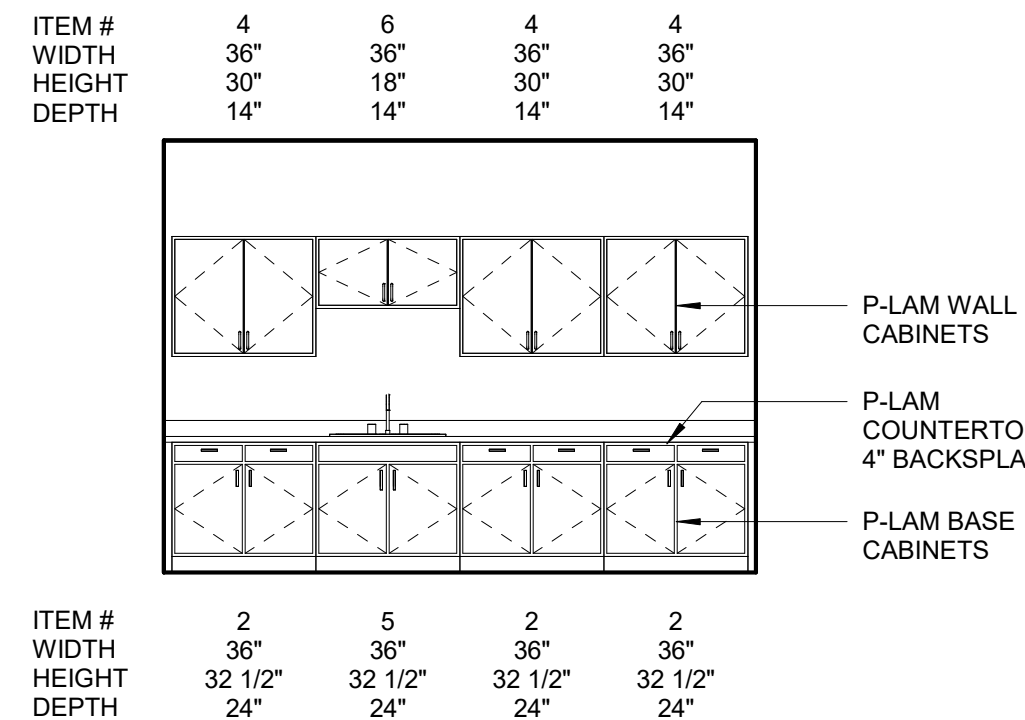
12
A501
CASEWORK NORTH ELEVATION - OFFICE 230
1/4" = 1'-0"



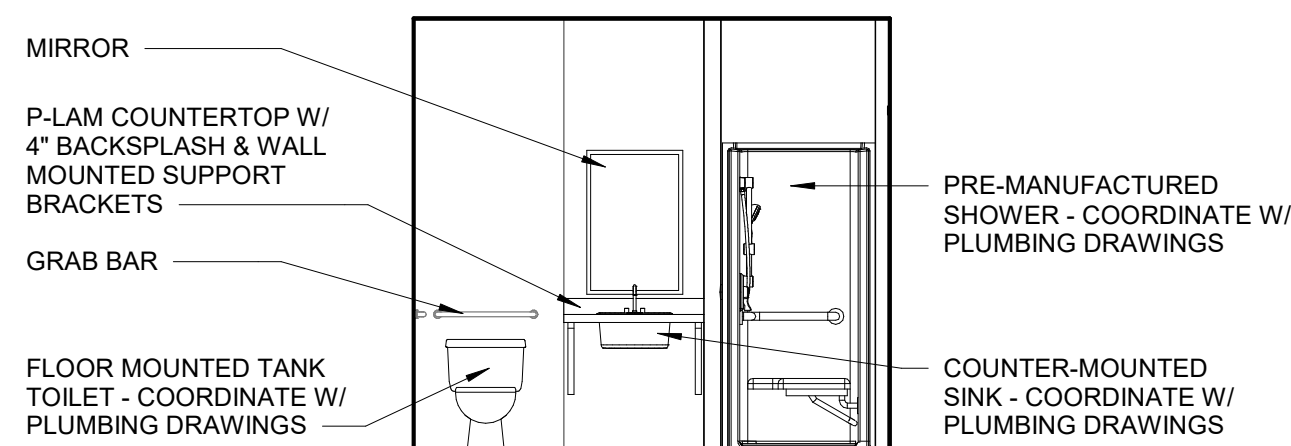
11
A501
SHOWER ELEVATION - TOILET 229
1/4" = 1'-0"



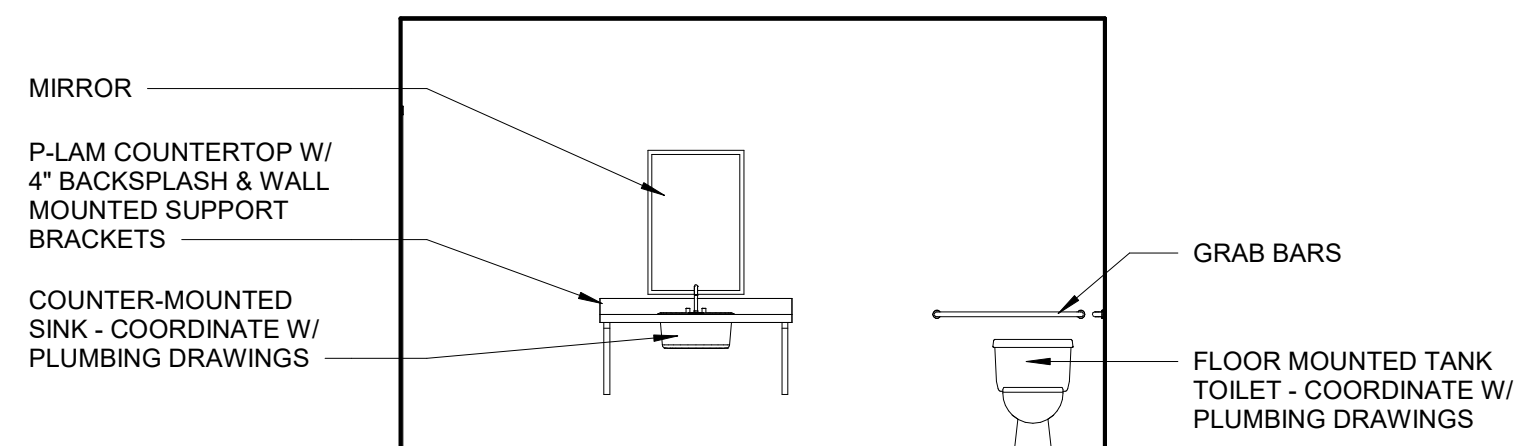
10
A501
CASEWORK ELEVATION - TOILET 228
1/4" = 1'-0"



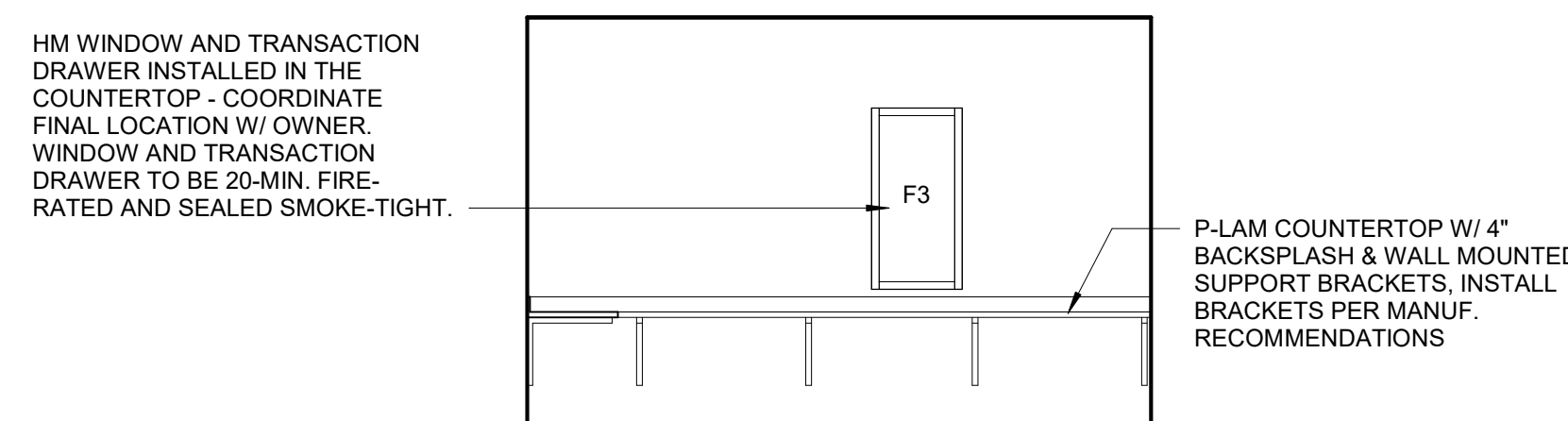
9
A501
CASEWORK ELEVATION - KITCHENETTE 215A
1/4" = 1'-0"



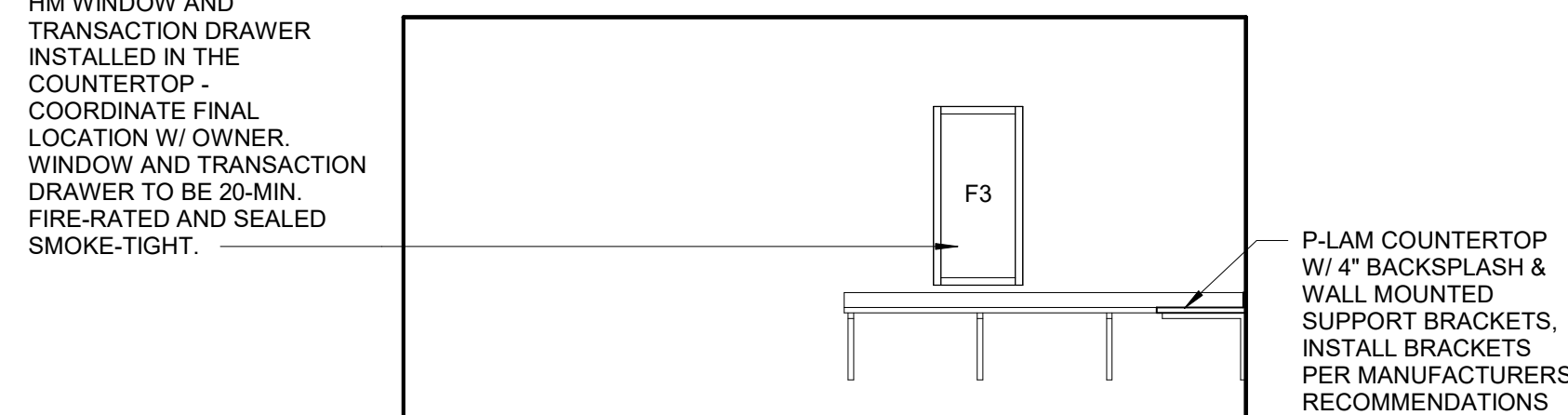
8
A501
CASEWORK ELEVATION - TOILET 141
1/4" = 1'-0"



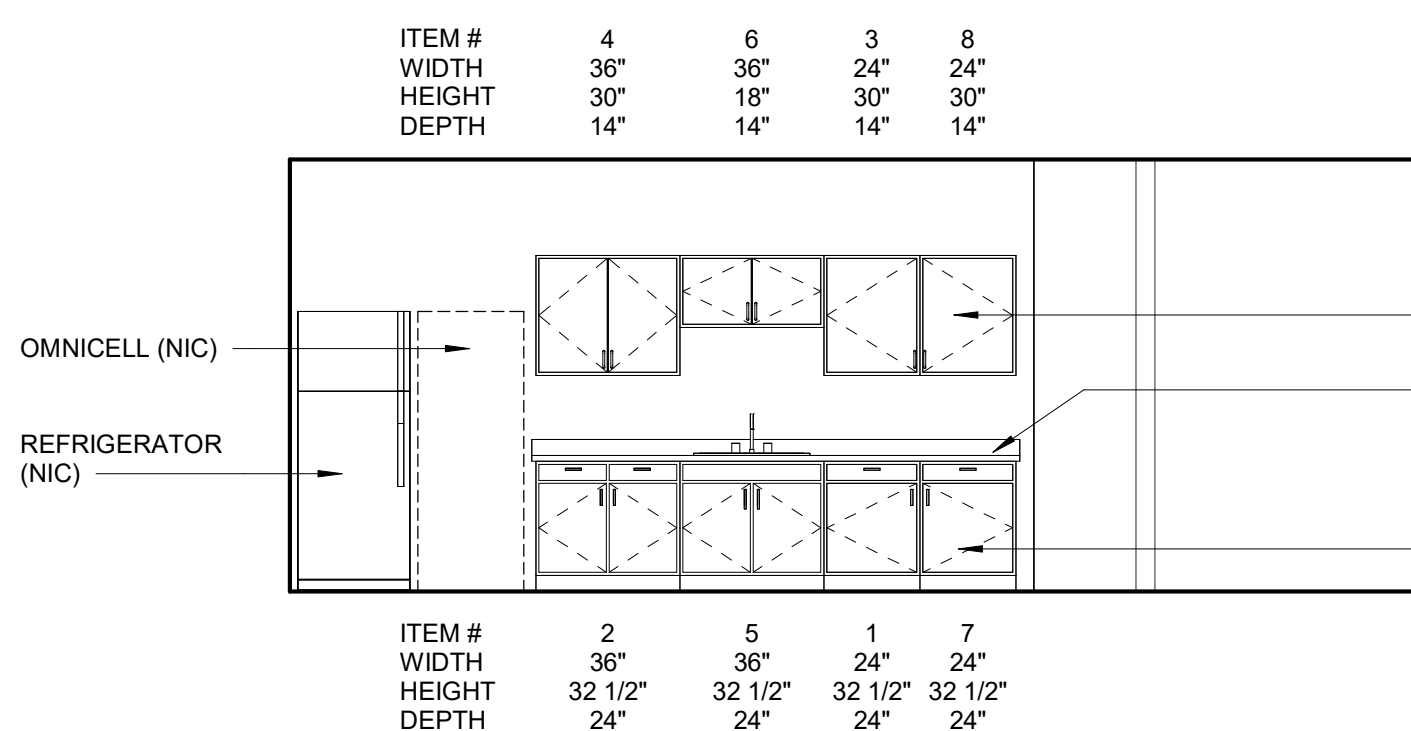
7
A501
CASEWORK ELEVATION - TOILET 140
1/4" = 1'-0"



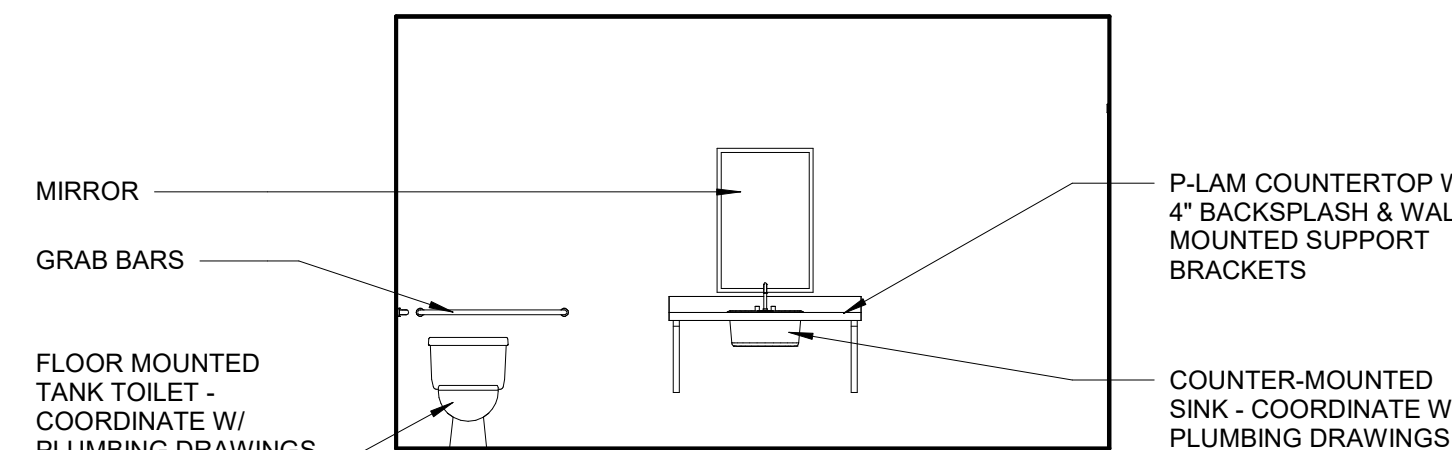
6
A501
CASEWORK EAST ELEVATION - CONTROL CENTER 123
1/4" = 1'-0"



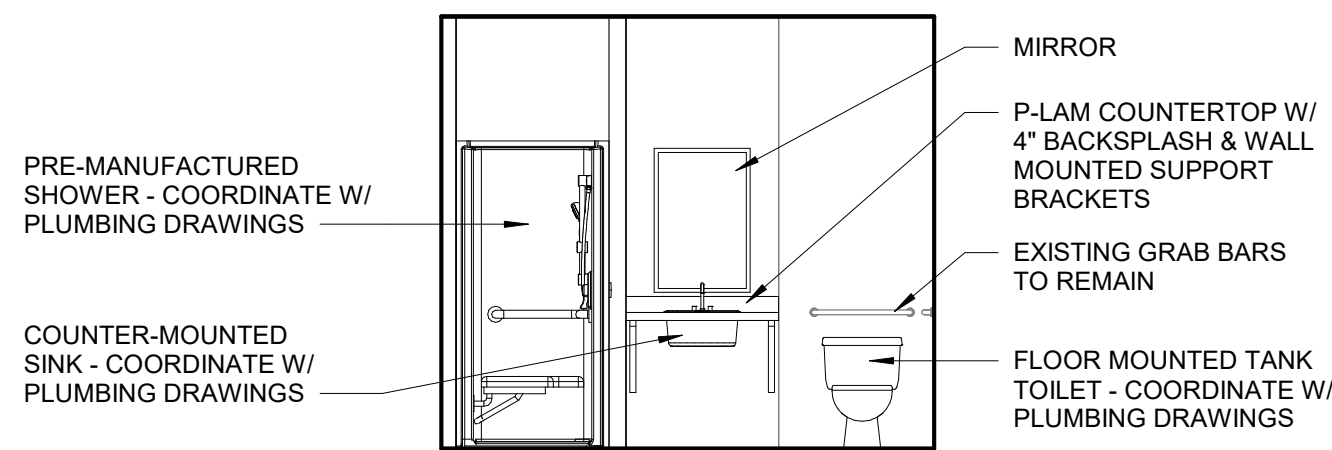
5
A501
CASEWORK NORTH ELEVATION - CONTROL CENTER 123
1/4" = 1'-0"



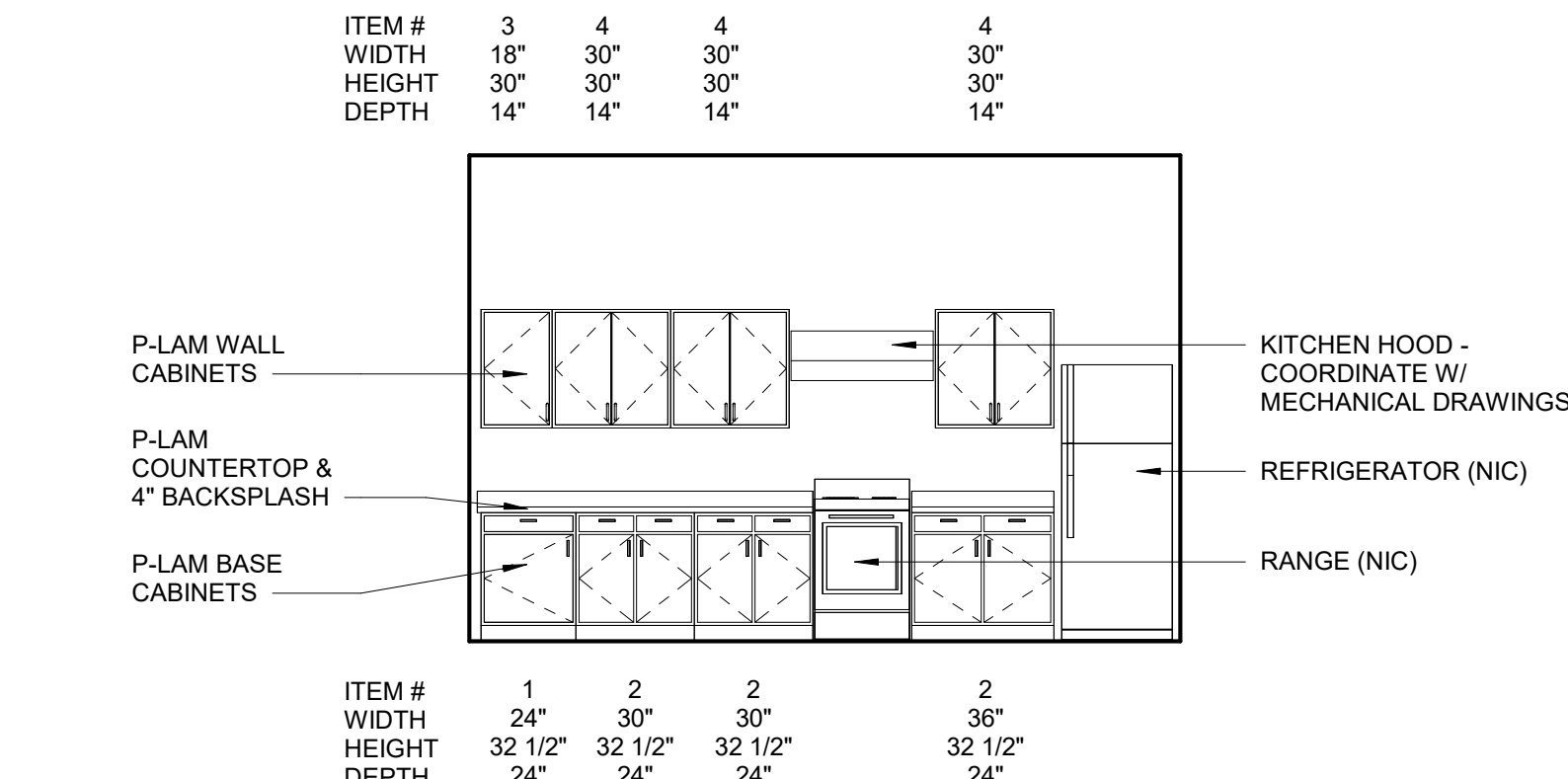
4
A501
CASEWORK ELEVATION - MED CLINIC 117
1/4" = 1'-0"



3
A501
CASEWORK ELEVATION - TOILET 108
1/4" = 1'-0"



2
A501
CASEWORK ELEVATION - TOILET 107
1/4" = 1'-0"



1
A501
CASEWORK ELEVATION - KITCHEN 002A
1/4" = 1'-0"

DOOR AND FRAME SCHEDULE - SECOND LEVEL																
DOOR NO.	DOORS				FRAMES				HDWR TYPE	LABEL	REMARKS	GLAZING TYPE	DOOR NO.			
	WIDTH	HEIGHT	TYPE	MAT.	FINISH	TYPE	DEPTH	MAT.						FINISH	HEAD	JAMB
200	3'-8"	7'-0"	C	HM	P-3	F1	6"	HM	P-3	6C/A602	6C/A602	20	20	1	FRG	200
200A	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6J/A602	29		1, 7		200A
202	3'-8"	7'-0"	C	HM	P-3	F1	6"	HM	P-3	6C/A602	6C/A602	20	20	1	FRG	202
203	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6J/A602	23		1, 3, 7	CTG	203
204	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6J/A602	18		1, 7	CTG	204
205	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6J/A602	18		1, 7	CTG	205
206	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	23		1, 3, 7	CTG	206
207	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6J/A602	18		1, 7	CTG	207
208	6'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	8		1, 2, 7	CTG	208
209	3'-8"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6J/A602	18.1		1, 7	CTG	209
210A	3'-8"	7'-0"	C	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	16		1, 7	CTG	210A
210B	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	23.1		1, 3, 7	CTG	210B
212	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	42		1, 7	CTG	212
213	3'-0"	7'-0"	E	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	19		1, 5, 7	CTG	213
214	3'-0"	7'-0"	E	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	19		1, 5, 7	CTG	214
215	3'-8"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6J/A602	20		1, 7	CTG	215
215A	3'-0"	7'-0"	B	HM	P-3	F1	5 3/4"	HM	P-3	6A/A602	6C/A602	40		1, 7	CTG	215A
216	6'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	8		1, 2	CTG	216
217A	2'-7"	7'-0"	A	HM	P-3	F1	7"	HM	P-3	6H/A602	6C/A602	29		1, 7	CTG	217A
219	6'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	6		1, 2, 7		219
220	3'-8"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	18.1		1, 7	CTG	220
221	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6J/A602	18		1, 7	CTG	221
221A	2'-8"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6A/A602	6C/A602	35		1		221A
222	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6J/A602	18		1, 7	CTG	222
223	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6J/A602	18		1, 7	CTG	223
225	3'-8"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	23		1, 7	CTG	225
226	3'-8"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	23.1		1, 7	CTG	226
227	3'-4"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	20		1, 7	CTG	227
228	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	23		1, 3, 7	CTG	228
229	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	23		1, 3, 7	CTG	229
230	3'-0"	6'-8"	F	HM	P-3	F1	6 3/8"	HM	P-3	6A/A602	6B/A602	26		1, 7, 8	CTG	230
230A	3'-0"	7'-0"	C	HM	P-3	F1	5 3/4"	HM	P-3	6A/A602	6B/A602	34		1, 7	CTG	230A
233	3'-8"	7'-0"	C	HM	P-3	F1	6"	HM	P-3	6C/A602	6J/A602	20	20	1	FRG	233
234	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	18		1, 7	CTG	234
235	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	18		1, 7	CTG	235
236	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	18		1, 7	CTG	236
237	3'-8"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	18.1		1, 7	CTG	237
238	2'-10"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	23		1, 3, 7	CTG	238
239	2'-10"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	23		1, 3, 7	CTG	239
240	2'-10"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	23		1, 3, 7	CTG	240
241	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	23		1, 3, 7	CTG	241
242	2'-6"	6'-8"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	31		1, 7	CTG	242
243	2'-6"	6'-8"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	31		1, 7	CTG	243
244	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	18		1, 7	CTG	244
245	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	18		1, 7	CTG	245
246	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	18		1, 7	CTG	246
247	6'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	29		1, 2, 7	CTG	247
249	3'-0"	6'-8"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	31.1		1, 7	CTG	249
250	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6J/A602	31.2		1, 7	CTG	250
251	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	23		1, 3, 7	CTG	251
252	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	23		1, 3, 7	CTG	252
253	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	23		1, 3, 7	CTG	253
254	3'-0"	7'-0"	G	HM	P-3	F1	5 1/2"	HM	P-3	6H/A602	6C/A602	23		1, 3, 7	CTG	254

DOOR, FRAME, AND GLASS GENERAL NOTES

- SEE DETAILS 5/A602 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.
- ALL DOORS SHALL BE 1-3/4" THICK, U.N.O.
- ALL FRAMES ARE TO BE VIEWED FROM THE EXTERIOR SIDE, U.N.O.
- SEE DOOR AND FRAME SCHEDULE FOR ACTUAL DOOR SIZES. COORDINATE FRAME DIMENSIONS WITH DOOR SIZES.
- COORDINATE LINTELS AT DOOR HEADS WITH STRUCTURAL WHERE REQ'D.
- SEE SPECIFICATION SECTION 08800 FOR DESCRIPTION OF GLASS TYPES SHOWN ON DOOR AND FRAME SCHEDULE (I.E. CTG).
- CONTRACTOR TO FIELD VERIFY ALL EXISTING DOOR AND FRAME SIZES PRIOR TO SUBMITTING SHOP DRAWINGS. ANY DISCREPANCIES WITH DOOR SCHEDULE SHALL BE NOTED ON SHOP DRAWINGS FOR REVIEW BY ARCHITECT PRIOR TO APPROVAL AND ORDERING OF NEW DOORS AND FRAMES.
- 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.
- CAULK ALL JOINTS BETWEEN INTERSECTING FRAME MEMBERS THAT ARE NOT WELDED, WITH A PAINTABLE CAULK TO PROVIDE A SMOOTH AND UNIFORM APPEARANCE WHEN PAINTED.
- THE PERIMETER OF ALL FRAMES SHALL BE CAULKED AT BOTH THE EXTERIOR AND INTERIOR FACES. PROVIDE CONTINUOUS BACKER ROD OR SHIM BLOCKING AS REQUIRED.
- SET ALL EXTERIOR FRAMES AND THRESHOLDS IN A CONTINUOUS BEAD OF CAULK AT SILLS.
- PROVIDE AND INSTALL THRUWALL FLASHING AND WEEP HOLES ABOVE ALL EXTERIOR FRAME OPENINGS.
- SEE 6/A602 FOR DETAILS LISTED IN THIS SCHEDULE, U.N.O.
- CONTRACTOR TO ADJUST EXISTING DOOR / FRAME OPENINGS AS REQUIRED, AS NEW DOOR / FRAME SIZES MAY DIFFER FROM EXISTING DOOR / FRAME SIZES.

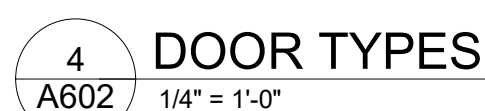
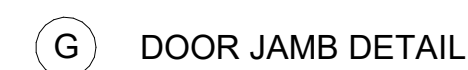
LEGEND - DOOR SCHEDULE

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

DOOR AND FRAME SCHEDULE REMARKS:

- FIELD VERIFY EXISTING WALL DEPTH AND CONSTRUCTION. ADJUST FRAME THICKNESS AS REQUIRED.
- PAIR OF DOORS.
- SPECIALTY DOOR - BEHAVIORAL HEALTHCARE PATIENT ROOM ACCESS DOOR.
- DETENTION GRADE DOOR, FRAME, HARDWARE, AND VISION LITE.
- HANDCUFF / FOOD PORT. DOOR HARDWARE TO BE ANTI-LIGATURE.
- FRAME TO HAVE A 4" HEAD.
- DOOR AND FRAME TO BE SMOKE TIGHT.
- DETENTION GRADE DOOR, FRAME, HARDWARE, VISION LITE, AND HANDCUFF / FOOD PORT.
- EXISTING DOOR AND FRAME ARE RATED 90 MINUTES.
- EXISTING FRAME IS RATED 90 MINUTES.

DOOR AND FRAME SCHEDULE - BASEMENT LEVEL																	
DOOR NO.	Width	DOORS				FRAMES				HDWR TYPE	LABEL	REMARKS	GLAZING TYPE	DOOR NO.			
		HEIGHT	TYPE	MAT.	FINISH	TYPE	DEPTH	MAT.	FINISH						HEAD	JAMB	
001	3'-0"	7'-0"	C	HM	P-3	F1	7 1/8"	HM	P-3	6F/A602	6G/A602	14	90		FRG	001	
002	3'-8"	7'-0"	C	HM	P-3	F1	7"	HM	P-3	6D/A602	6C/A602	20	20	1	FRG	002	
003	3'-0"	7'-0"	A	HM	P-3	F1	5 3/4"	HM	P-3	6A/A602	6B/A602	30	60	1		003	
004	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6D/A602	6D/A602	12		1, 7		004	
005A	3'-0"	7'-0"	A	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6D/A602	29		1, 7		005A	
006	3'-2"	7'-0"	A	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6D/A602	9		7		006	
008	3'-2"	7'-0"	A	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6D/A602	9		7		008	
009	3'-2"	7'-0"	B	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6C/A602	22		7	CTG	009	
012	3'-0"	7'-0"	B	HM	P-3	F1	10 5/8"	HM	P-3	6C/A602	6J/A602	38		1		CTG	012
013A	3'-8"	7'-0"	C	HM	P-3	F1	6"	HM	P-3	6C/A602	6C/A602	20		1, 7		CTG	013A
013B	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	38		1			013B
013C	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	41		1			013C
013D	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	38		1		CTG	013D
013E	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	36		1		CTG	013E
014	3'-0"	7'-0"	EXIST.	EXIST.	P-3	EXIST.	EXIST.	EXIST.	P-3	EXIST.	EXIST.	EXIST.		9			014
015	3'-8"	7'-0"	C	HM	P-3	F1	7"	HM	P-3	6C/A602	6C/A602	20		20	1	FRG	015
016	3'-8"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	32		1, 7		CTG	016
017	3'-8"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	32		1, 7		CTG	017
018	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6D/A602	6C/A602	21		1, 7		CTG	018
021	3'-0"	7'-0"	B	HM	P-3	F1	5 3/4"	HM	P-3	6A/A602	6B/A602	16		60	1	FRG	021
022	3'-0"	7'-0"	C	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6D/A602	15		60		FRG	022
023	2'-8"	7'-0"	A	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6D/A602	24		7			023
024	3'-0"	7'-0"	A	HM	P-3	F1	5 3/4"	HM	P-3	6A/A602	6B/A602	37					024
025	3'-0"	7'-0"	A	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6D/A602	24		7			025
027A	3'-4"	7'-0"	A	HM	P-3	F1	5 3/4"	HM	P-3	6F/A602	6G/A602	26		60		FRG	027A
028	2'-0"	7'-0"	A	HM	P-3	F1	8 3/4"	HM	P-3	6C/A602	6C/A602	24			1, 7		028
029A	3'-0"	7'-0"	C	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6D/A602	12		60		FRG	029A
030	3'-8"	7'-0"	C	HM	P-3	F1	5 3/4"	HM	P-3	6D/A602	6D/A602	26		60		FRG	030
033	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	24			1, 7		033
034	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6B/A602	33			1, 7		034
036	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	39					036
037	3'-0"	7'-0"	A	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	39					037
039	3'-0"	7'-0"	B	HM	P-3	F1	5 1/2"	HM	P-3	6C/A602	6C/A602	31.2		1		CTG	039

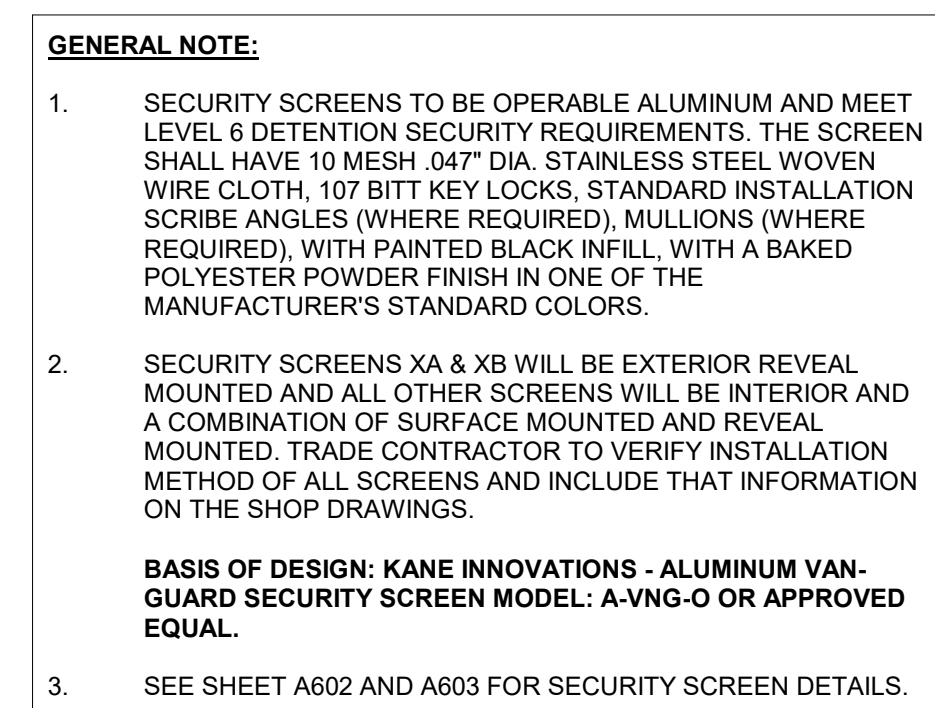


GENERAL NOTE:

1. WINDOWS TO BE PRE-FINISHED THERMALLY BROKEN / ENHANCED ALUMINUM WITH 1" CLEAR TEMPERED INSULATED GLASS WITH A LOW-E COATING. SEE SPECIFICATION SECTIONS 084113 AND 088000 FOR MORE INFORMATION.

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

2. SEE SHEETS A602 AND A603 FOR WINDOW DETAILS.



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

DOOR, SECURITY SCREENS & WINDOW FRAME DETAILS, ELEVATIONS & TYPES

3555 FARNAM ST., SUITE 406
OMAHA, NE 68131
PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
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DATE:
03-22-2024

JOB NUMBER:
257-014

SHEET:
A602



	DRAWN:	MGB
	DESIGNED:	MJM
	CHECKED:	MJM
03-22-2024 DATE	BID SET NO.	RPE BY

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DATE: 03-22-2024

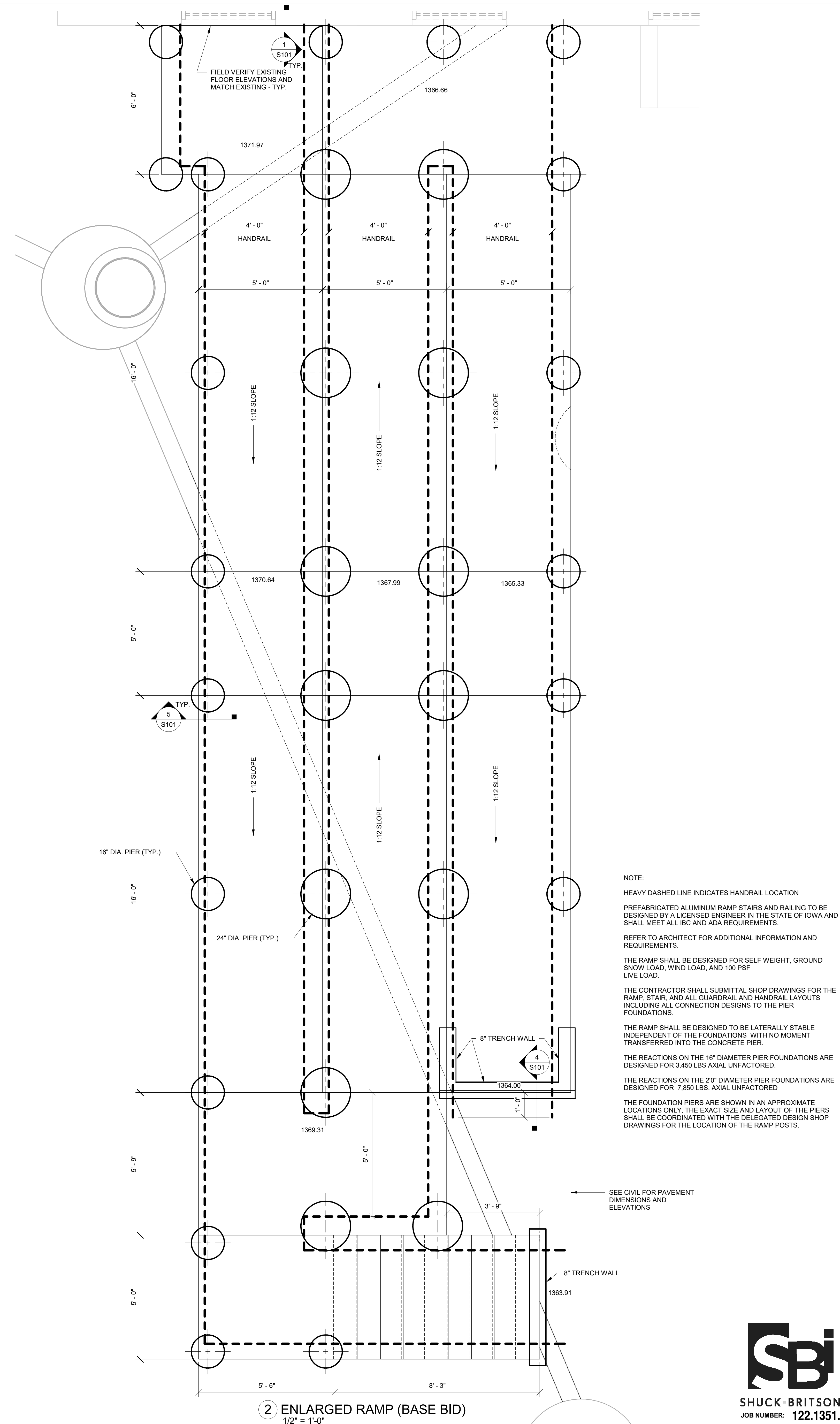
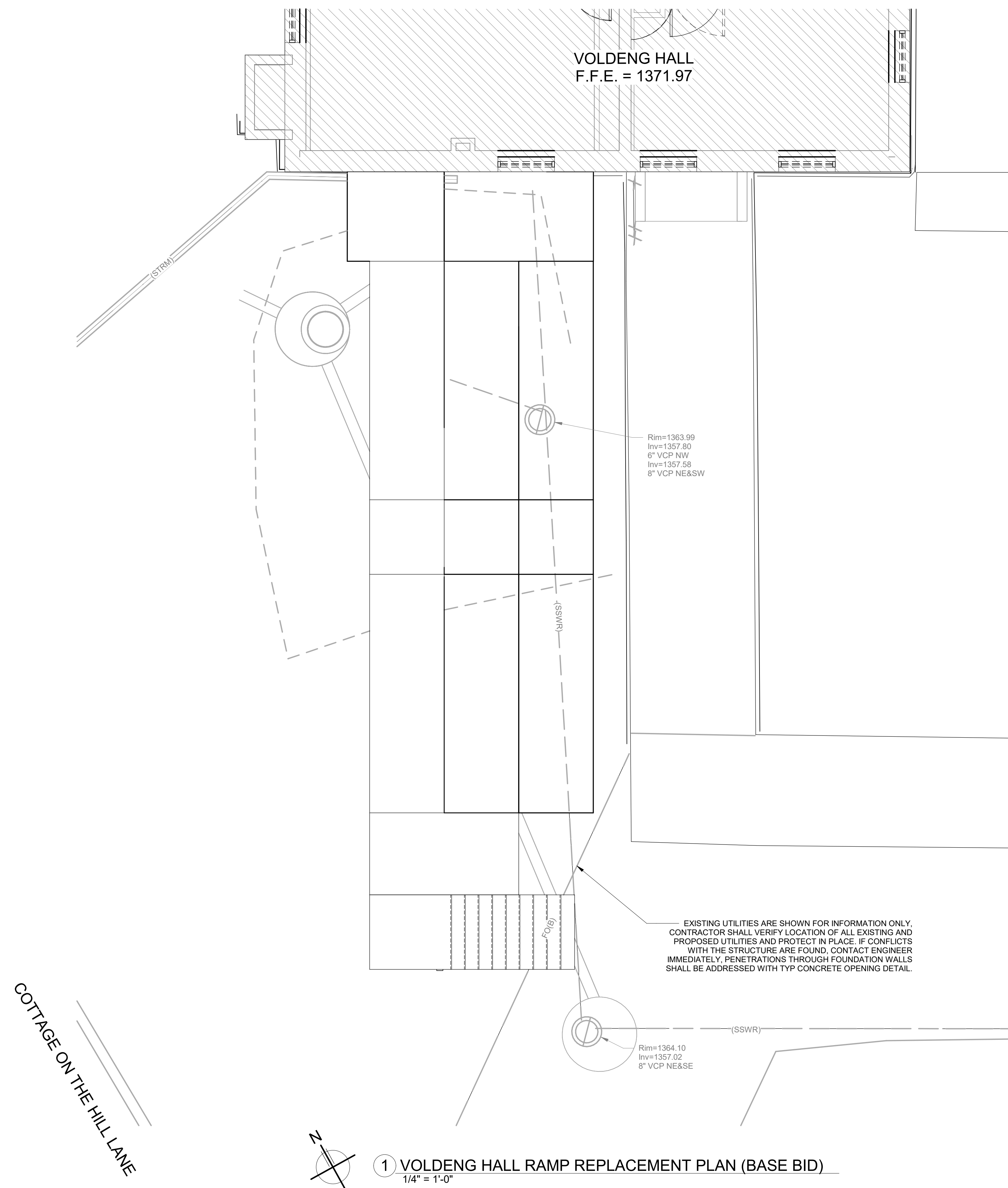
JOB NUMBER:
257-014

SHEET:
A603

ROOM FINISH SCHEDULE - BASEMENT LEVEL											
ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CLG MATERIAL	REMARKS		ROOM NO.
				NORTH	EAST	SOUTH	WEST				
001	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXP.			001
002	DINING AREA	EF-1	EXIST. / VB-1	P-1	P-1	P-1	P-1	EXP.		1, 2	002
002A	KITCHEN	EF-1	EXIST. / VB-1	P-1	P-1	P-1	P-1	EXP.		1, 2	002A
003	ELEVATOR EQUIPMENT	EXIST.	EXIST. / VB-1	P-1	P-1	P-1	P-1	EXP.		1, 2	003
004	UTILITY	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	004
005	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC			005
005A	CLOSET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	005A
006	ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	006
007	ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	007
008	ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	008
009	GROUP ROOM	OPT-1	VB-1	P-1	P-1	P-1	P-1	ATC		16	009
011	ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	011
012	OFFICE	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. ATC			012
013	EXERCISE / REC ROOM	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXP.		2	013
013A	KITCHEN	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXP.		2	013A
013B	STOR.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP. GWB			013B
013C	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	013C
013D	OFFICE	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXP.		2	013D
013E	OFFICE/GROUP ROOM	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXP.		2	013E
014	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXP.		2	014
015	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC		16	015
016	TOILET	EXIST.	EXIST.	EP-1	EP-1	EP-1	EP-1	EXIST. ATC			016
017	TOILET	EXIST.	EXIST.	EP-1	EP-1	EP-1	EP-1	EXIST. ATC			017
018	LAUNDRY	EXIST.	EXIST.	EP-1	EP-1	EP-1	EP-1	EXIST. ATC			018
021	SECURE VESTIBULE	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC		16	021
022	CORR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC			022
023	STOR.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	GWB		2, 16	023
024	IT EQUIPMENT	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXP.		2	024
025	RECORD STORAGE	EXIST.	EXIST. / VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		1, 3, 4	025
026	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	026
026A	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	026A
027	STORAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC		3	027
027A	HALL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	027A
028	STORAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	028
029	HALL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	029
030	TUNNEL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	030
031	TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC		3	031
033	STORAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC		3	033
034	TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC		3	034
036	MECHANICAL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	036
037	FIRE RISER	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	037
038	ELEVATOR EQUIPMENT	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	038
039	TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC		3	039

ROOM FINISH SCHEDULE - FIRST LEVEL											
ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CLG MATERIAL	REMARKS		ROOM NO.
				NORTH	EAST	SOUTH	WEST				
101	CORRIDOR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	101
102	CORRIDOR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	102
103	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	103
104	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	104
105	LOBBY	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC		16	105
106	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 5, 13	106
107	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 16	107
108	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 16	108
109	CORRIDOR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	109
110	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	110
111	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	111
112	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	112
113	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	113
114	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	114
115	BEDROOM	EXIST.	EXIST.	EXIST.	EXIST.	P-1	P-1	EXIST. GWB		2, 7, 13	115
116	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	116
117	MED CLINIC	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB			117
117A	CLOSET	VCT-1	VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB		3	117A
119	STOR.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	119
120	CORR.	VCT-1	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	120
120A	HALL	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 12, 13	120A
120B	VEST.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. ATC			120B
121	STOR.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	121
122	GROUP ROOM	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	122
122A	CLOSET	OPT-1	VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB		3	122A
123	CONTROL CENTER	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC		14	123
125	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 14	125
127	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	127
128	BEDROOM	EXIST.	EXIST.	EXIST.	P-1	P-1	P-1	EXIST. GWB		2, 7, 13	128
129	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	129
130	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	130
131	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	131
132	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	132
133	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	133
134	CORR.	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	134
135	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	135
136	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	136
137	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	137
138	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 5, 13	138
140	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 16	140
141	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 16	141
142	CORR.	OPT-1	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	142
142A	CORR.	OPT-1	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	142A
142B	HALL	VCT-1	VB-1	EXIST.	P-1	P-1	EXIST.	EXIST. ATC		7	142B
143	CONTROL CENTER	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2	143
145	OFFICE	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2	145
146	OFFICE	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2	146
147	OFFICE	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2	147
148	OFFICE	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2	148
148A	CLOSET	OPT-1	VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB		2	148A
149	OFFICE	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2	149
149A	CLOSET	OPT-1	VB-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB			149A
150	RECEPTION	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. ATC			150
151	CONF. ROOM	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. ATC			151
152	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	EXIST. ATC			152
153	JAN	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. ATC		3	153
154	CONF. ROOM	OPT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2	154
155	KITCHENETTE	VCT-1	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2	155
156	MECHANICAL	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	156

ROOM FINISH SCHEDULE - SECOND LEVEL											
ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CLG MATERIAL		REMARKS	ROOM NO.
				NORTH	EAST	SOUTH	WEST				
200	CORRIDOR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	200
200A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2	200A
201	CORR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	201
202	CORRIDOR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	202
202A	CORRIDOR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	202A
203	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	203
204	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	204
205	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	205
206	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	206
207	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 9, 13	207
208	MECH	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	208
209	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 13	209
210A	LOBBY	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC			210A
210B	DAY ROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 13	210B
211	HALL	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 12, 13	211
212	STORAGE	EXIST.	EXIST.	P-1	P-1	P-1	P-1	ATC			212
213	SECLUSION	EXIST.	EXIST.	FRP / P-1	FRP / P-1	FRP / P-1	FRP / P-1	EXIST. GWB		2, 8, 13	213
214	SECLUSION	EXIST.	EXIST.	FRP / P-1	FRP / P-1	FRP / P-1	FRP / P-1	EXIST. GWB		2, 8, 13	214
215	DAY ROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 13, 16	215
215A	KITCHENETTE	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC		10, 16	215A
216	IT/ELECT.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.			216
217	CORRIDOR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	217
217A	STOR.	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2	217A
219	MECH	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	219
220	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	220
221	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	221
221A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2	221A
222	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	222
223	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	223
225	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	225
226	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	226
227	LAUNDRY	EXIST.	VB-1	EP-1	EP-1	EP-1	EP-1	EXIST. GWB		2, 5, 13	227
228	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 16	228
229	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 16	229
230	OFFICE	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC			230
230A	MED ROOM	VCT-1	VB-1	P-1	P-1	P-1	P-1	ATC		14	230A
233	CORR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	233
233A	CORR	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	233A
233B	HALL	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 12, 13	233B
234	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	234
235	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	235
236	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	236
237	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	237
238	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	238
238A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 16	238A
239	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 13, 16	239
239A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 16	239A
240	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 16	240
240A	CLOSET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	240A
241	DAY ROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	241
242	TOILET	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST. GWB			242
243	TOILET	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 16	243
244	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	244
245	BEDROOM	EXIST.	EXIST.	P-1	P-1	P-1	P-1	GWB		2, 13, 16	245
246	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	GWB		2, 13, 16	246
247	MECH	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXP.		3	247
249	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 16	249
250	TOILET	VCT-1	VB-1	EP-1	EP-1	EP-1	EP-1	GWB		2, 16	250
251	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	251
252	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 9, 13	252
253	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	253
254	BEDROOM	EXIST.	VB-1	P-1	P-1	P-1	P-1	EXIST. GWB		2, 13	254



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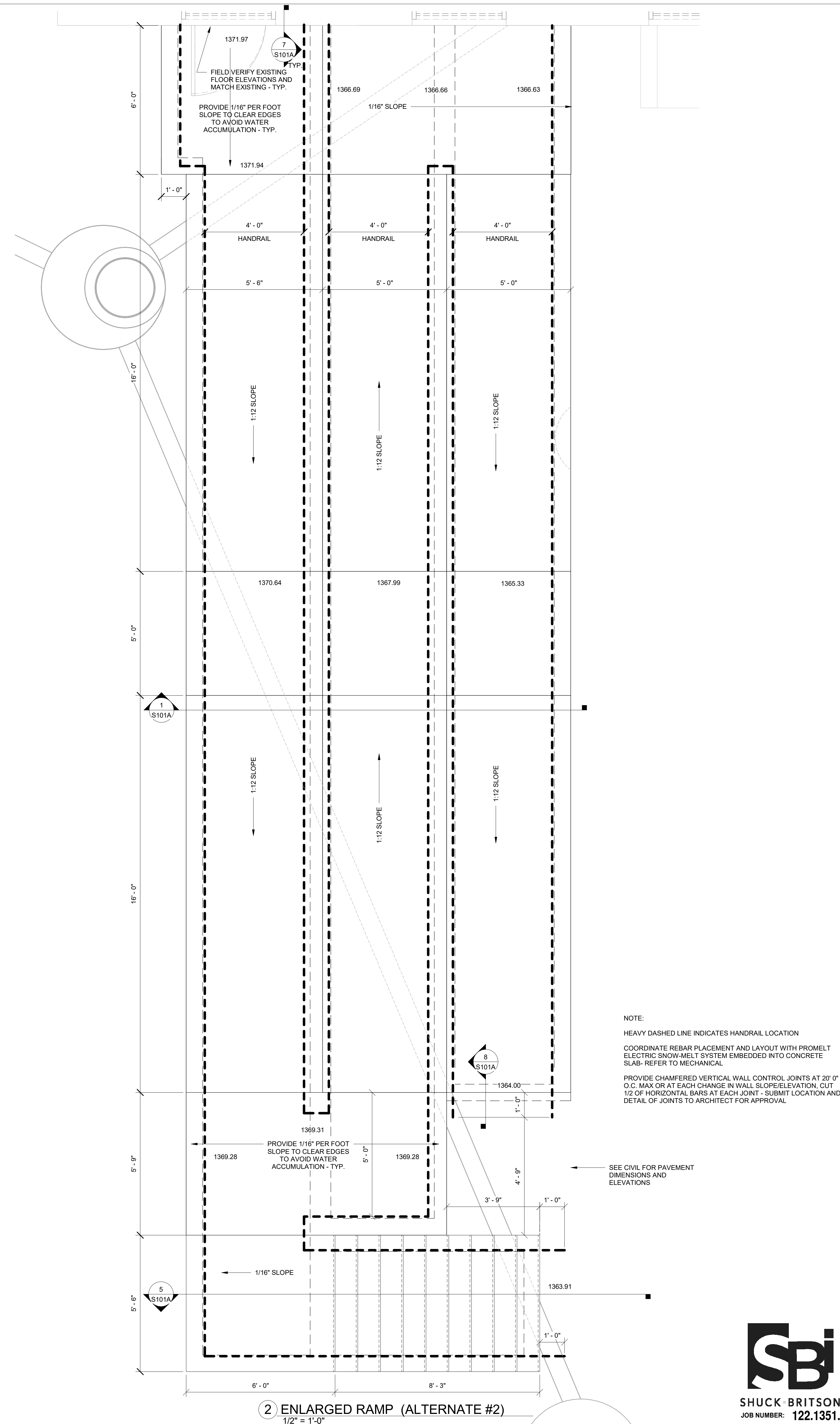
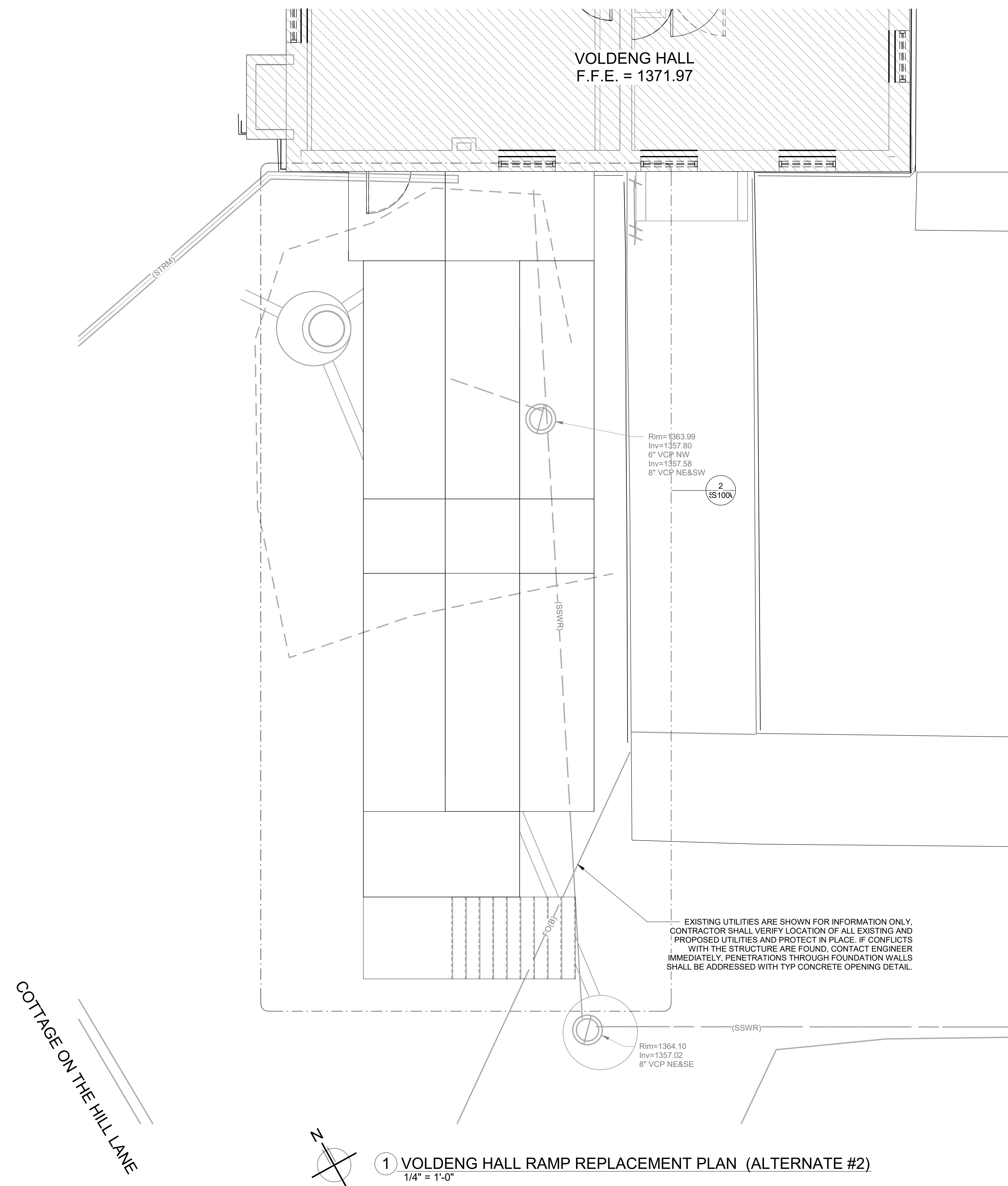
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		CHECKED:	BDM
		PROJ. MNGR:	CGG
		KPE BY	
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	0	BID NO.	
03-22-2024	DATE		



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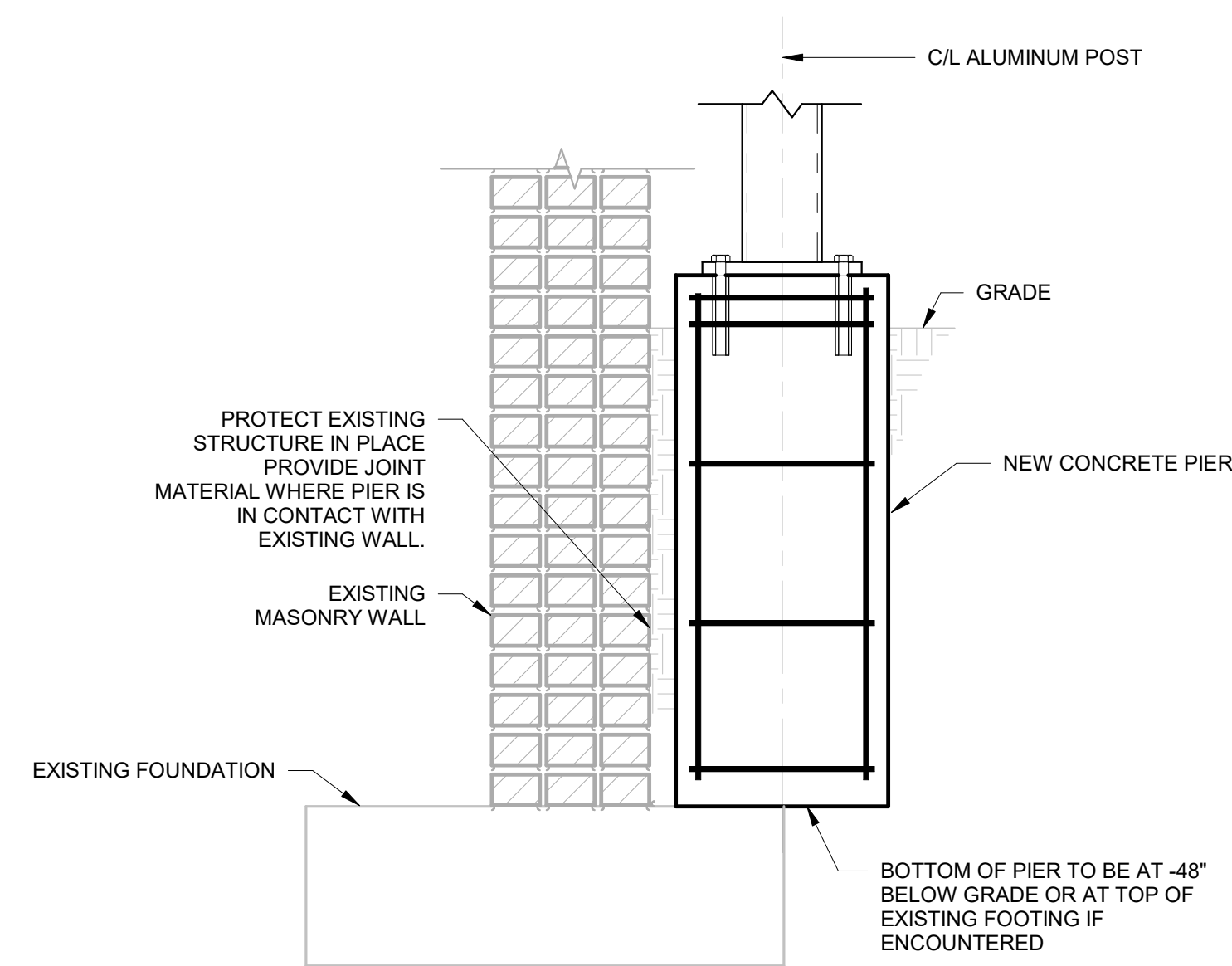
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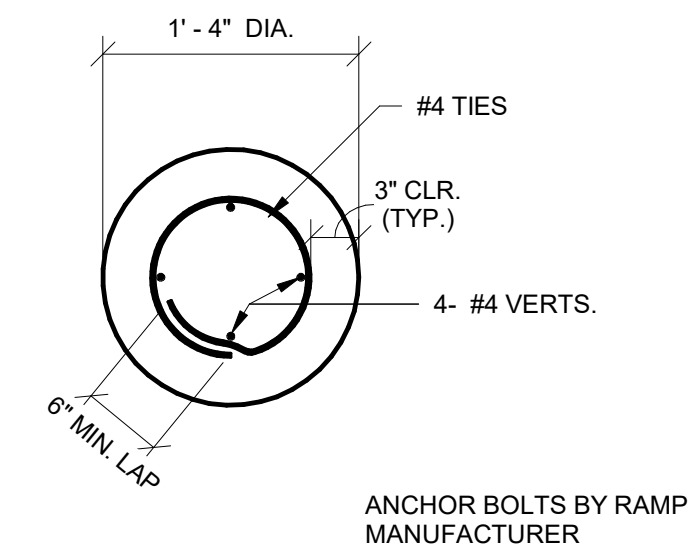
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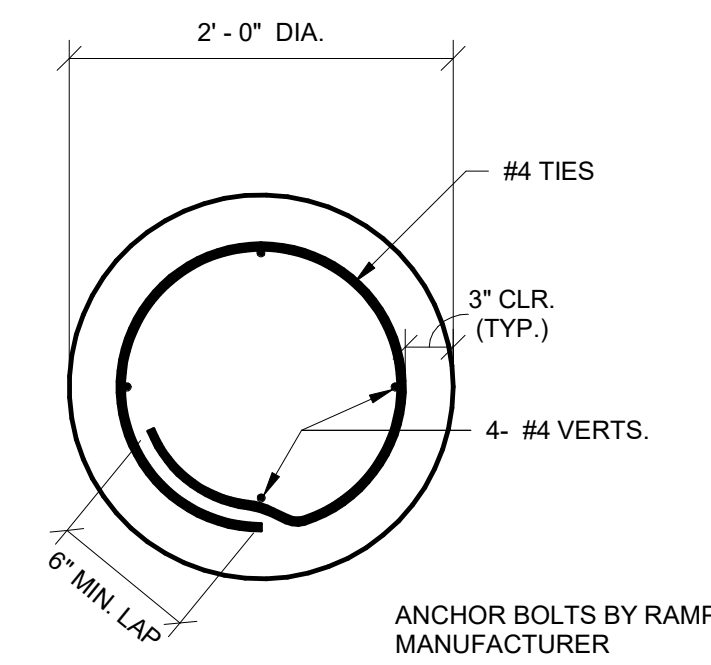
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03-22-2024	0	KPE	
DATE	NO.	BID SET DESCRIPTION	BY



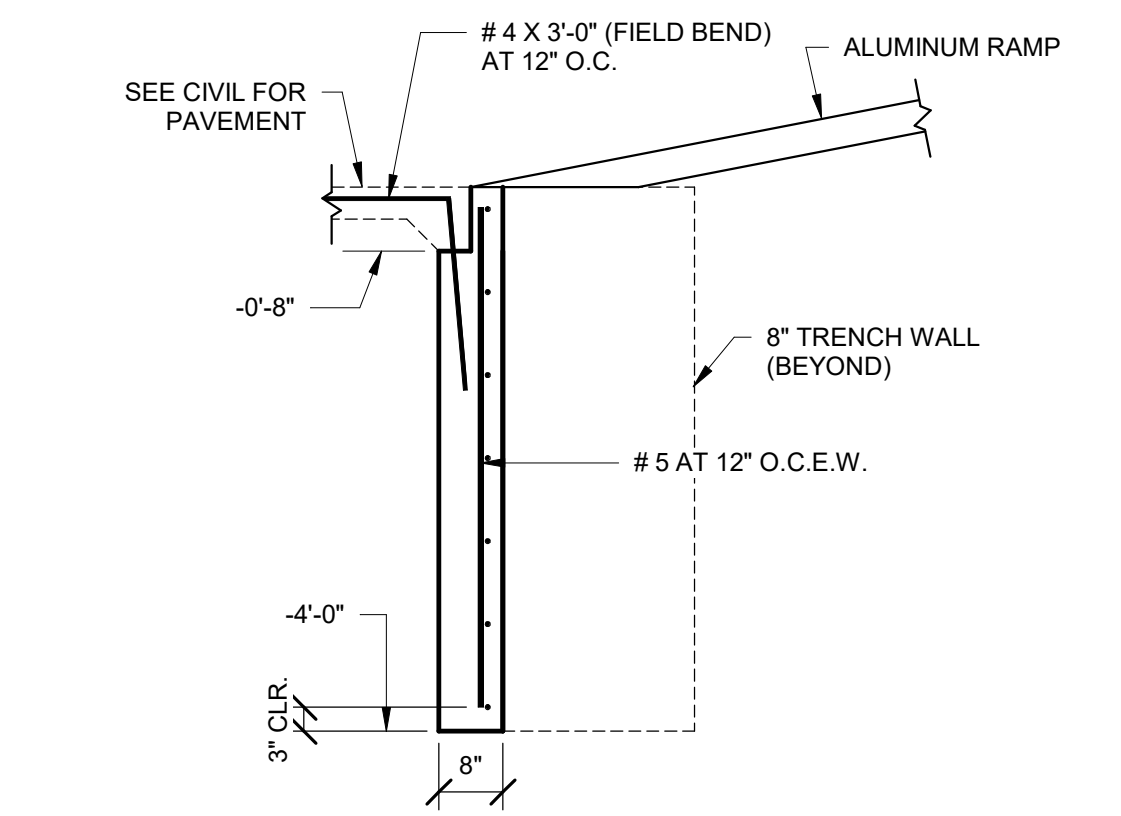
1 EXISTING TO NEW FOUNDATION DETAIL
1" = 1'-0"



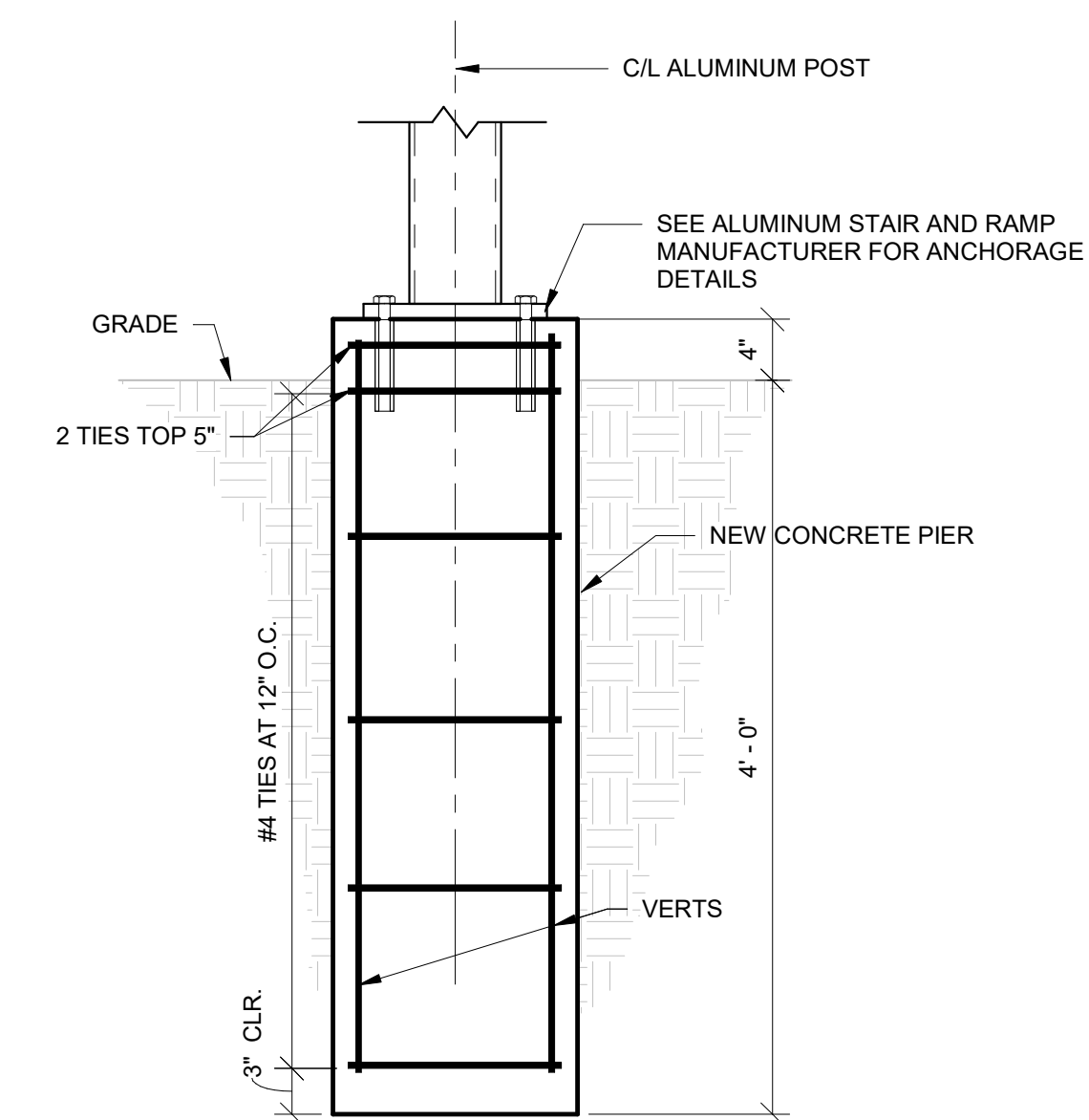
2 16" PIER PLAN VIEW
1" = 1'-0"



3 24" PIER PLAN VIEW
1" = 1'-0"



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



5 PIER SECTION
1" = 1'-0"

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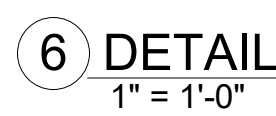
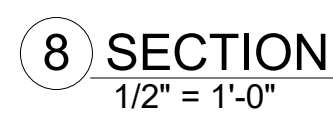
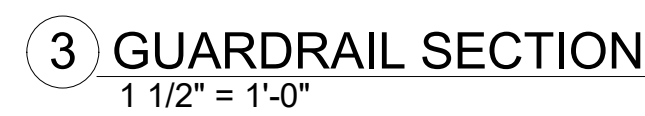
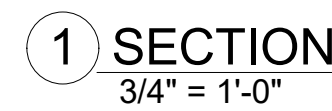
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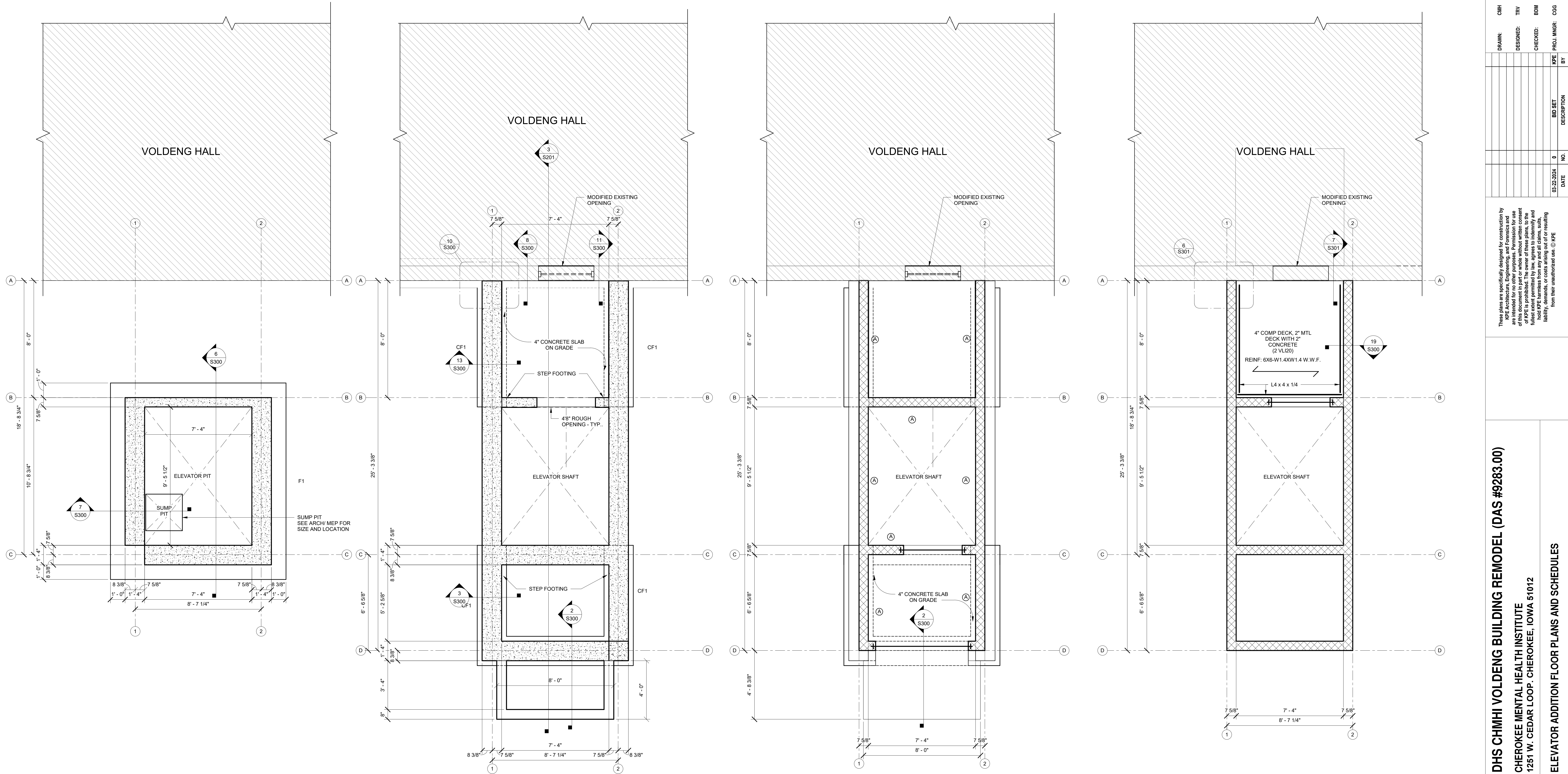
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257-014

SHEET: **S101**



SHUCK-BRITSON
JOB NUMBER: 122.1351.40





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: #5 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
(A)	8"	#5 AT 32" O.C. VERT.

4 VOLDENG HALL ELEVATOR AT 1ST 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 2VL120 METAL DECKING
W/ 2" CONCRETE REINF. 6X6-W1.4XW1.4 W.W.F.
FOR DIMENSIONS AND ELEVATIONS NOT SHOWN SEE ARCHITECTURAL
SEE S300 FOR UNTEL SCHEDULE

CMH

DRAWN:

TRV

DESIGNED:

BDM

CHECKED:

CGG

PROJ. MNGR:

03-22-2024

DATE

0

BID SET

NO.

DESCRIPTION

BY

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ELEVATOR ADDITION FLOOR PLANS AND SCHEDULES

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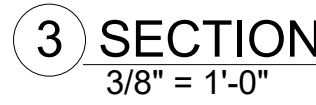
S200

SHUCK-BRITSON

JOB NUMBER: 122.1351.40



SEE S000 FOR LINTEL SCHEDULE



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ELEVATOR ADDITION ROOF PLANS AND SECTION

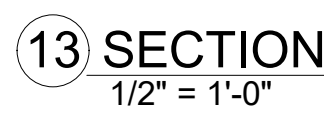
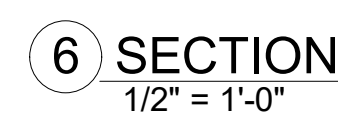
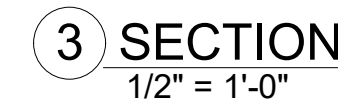
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DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	S201



"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.



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.



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ELEVATOR ADDITION DETAILS



DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	S300



SHUCK BRITSON
JOB NUMBER: 122.1351.

DRAFTING SYMBOLS

**PLAN/DETAIL
TITLE**

SCALE: XXX

**DRAWING NO. THAT THIS VIEW RESIDES
ON. (TYPICAL)**

SECTION

SCALE: 1/4"= 1'-0"

ELEVATION

**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)**

PHOTO REFERENCE CALLOUT

NORTH

NORTH ARROW

XXX
EL. = XXX-X"

ELEVATION INDICATOR

BUILDING COLUMN

REVISION DELTA

TO-BE-DEMOLISHED (BOLD) / TO-REMAIN (LIGHT)

EXISTING WORK (LIGHT) / NEW WORK (BOLD)

**REDUCED SIZE
PRINT**

SCALE: X = X

GRAPHICSCALE

VALVES AND FITTINGS			
SYMBOL	DESCRIPTION		DESCRIPTION
	SHUTOFF VALVE		CONCENTRIC REDUCER
	CHECK VALVE		ECCENTRIC REDUCER
	BALANCING VALVE		CAP
	THROTTLING VALVE		BUSHING
	QUICK CONNECT		HOSE COUPLING / THREAD
	2-WAY CONTROL VALVE		UNION
	3-WAY CONTROL VALVE		ORIFICE PLATE
	PRESSURE REDUCING VALVE		EXPANSION JOINT
	RELIEF VALVE (SEE SPECS FOR TYPE)		SLEEVE
	HOSE BIB		ELBOW DOWN OR AWAY
	BOILER DRAIN		ELBOW UP OR TOWARDS
	STRAINER		TEE UP OR TOWARDS
	SIGHT GLASS		TEE DOWN OR AWAY
	STEAM TRAP		DIRECTION OF FLOW
	FLEXIBLE CONNECTION		VENT TO ATMOSPHERE
	EXPANSION JOINT		INDICATOR: FLOW, TEMPERATURE, PRESSURE
	PIPE GUIDE		DRAIN VALVE
	PIPE ANCHOR		
	PRESSURE-TEMPERATURE TEST PLUG		TO FLOOR DRAIN
	AIR VENT: MANUAL / AUTOMATIC		

VALVE OPERATOR ACTION			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FAIL OPEN		LOCKED OPEN
	FAIL CLOSED		LOCKED CLOSED
	NORMALLY OPEN		
	NORMALLY CLOSED		

PLUMBING		
	DESCRIPTION	INSULATION CATEGORY
	SANITARY DRAIN (ON THIS LEVEL)	AMBIENT
	SANITARY DRAIN (BELOW THIS LEVEL)	AMBIENT
	VENT LINE	NONE
	STORM DRAIN (ON THIS LEVEL)	COLD
	STORM DRAIN (BELOW THIS LEVEL)	COLD
	STORM OVERFLOW DRAIN	COLD
	INDIRECT DRAIN	AMBIENT
	SANITARY FORCE MAIN (ON LEVEL)	AMBIENT
	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
	TEMPERED WATER (POTABLE)	HOT
	NON-POTABLE WATER	COLD
	DIRECT VENT INTAKE	COLD
	DIRECT VENT EXHAUST	NONE
	NATURAL GAS	NONE
	INLINE PUMP	--
	TO FLOOR DRAIN	--
	CLEAN OUT	--
	DOUBLE GRADE CLEAN OUT	--
	FLOOR DRAIN SIZE - TYPE	--
	ROOF DRAIN SIZE - TYPE	--
	HOSE BIB	--
	WALL HYDRANT	--
	SANITARY VENT THRU ROOF ON RISER	--

GENERAL MECHANICAL			
SYMBOL		DESCRIPTION	
	RISE UP / DROP DOWN		BAR GRATING SPAN
	FIELD DISCONNECTION		SLOPE DIRECTION (DOWN)
	FIELD CONNECTION		KEYNOTE
EQ.#	EQUIPMENT MARK NUMBER (WITHOUT ELECT. CONNECTION)		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)

FIRE SUPPRESSION		
	DESCRIPTION	INSULATION CATEGORY
F	FIRE LINE	NONE
SP	FIRE SPRINKLER LINE	NONE
S	MAIN SUPPLIES SPRINKLER	NONE
	BRANCH AND HEAD SPRINKLER	--
	OS&Y VALVE	--
	POST INDICATOR VALVE	--
	ALARM CHECK VALVE	--
	TAMPER SWITCH	--
	FLOW SWITCH	--
	SMOKE DETECTOR	--
	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 (less than 15 PSIG)	VERY HOT
----- LPR -----	LOW PRESSURE RETURN (0 PSIG)	VERY HOT

HVAC - AIR SIDE				
SYMBOL (1 - LINE)	SYMBOL (2 - LINE)	DESCRIPTION	SYMBOL	DESCRIPTION
		ROUND DUCT SIZE - DIAMETER	SIZE TYPE XXX CFM 	DIFFUSER (CEILING MOUNTED)
		RECTANGULAR DUCT SIZE - 1ST NUMBER IS DIMENSION OF SIDE SHOWING		RISER OR END OF DUCT - SUPPLY AIR (SA)
		LINED DUCT (RECTANGULAR / ROUND) (ALSO SEE SPECIFICATIONS FOR LINING REQUIREMENTS - LINING MAY NOT BE SHOWN ON DRAWINGS)	SIZE TYPE XX CFM 	RETURN OR EXHAUST REGISTER OR GRILLE (CEILING MOUNTED)
		FLAT-OVAL DUCT SIZE - 1ST NUMBER IS DIMENSION OF SIDE SHOWING		RISER OR END OF DUCT - RETURN AIR (RA) OR EXHAUST AIR (EA)
		CHANGE OF DUCT ELEVATION R - RISE, D - DROP		RISER OR END OF DUCT - OUTSIDE AIR (OA)
		MOTORIZED DAMPER		SUPPLY REGISTER OR GRILLE (WALL MOUNTED)
		SPLITTER	SIZE TYPE XXX CFM 	RETURN OR EXHAUST REGISTER OR GRILLE (WALL MOUNTED)
		TRANSITION - SIZE CHANGE (RECTANGULAR, ROUND, OR FLAT-OVAL)		POWER OR GRAVITY ROOF EXHAUST
		TRANSITION - RECTANGULAR TO ROUND, OR RECTANGULAR TO FLAT-OVAL		POWER OR GRAVITY ROOF VENTILATOR SUPPLY
		RECTANGULAR DUCT TAKE-OFF		VOLUME DAMPER
		ROUND-DUCT CONICAL TAKE-OFF FROM RECTANGULAR OR ROUND		BACKDRAFT DAMPER
		SQUARE-THROAT 90° ELBOW: PROVIDE TURNING VANES WHETHER OR NOT VANES ARE ILLUSTRATED		LINED TRANSFER DUCT THROUGH WALL (ABOVE CEILING UNLESS INDICATED OTHERWISE)
		R=1.0x90° ELBOW: PROVIDE TURNING VANES WHETHER OR NOT VANES ARE ILLUSTRATED		DAMPER IN LINED TRANSFER DUCT THROUGH WALL (ABOVE CEILING UNLESS INDICATED OTHERWISE)
		R=1.5x90° ELBOW - TURNING VANES ARE NOT REQUIRED		FIRE DAMPER
		FLEXIBLE DUCT CONNECTION		COMBINATION FIRE/SMOKE DAMPER
		SQUARE-THROAT TEE: PROVIDE TURNING VANES WHETHER OR NOT VANES ARE ILLUSTRATED		SMOKE DAMPER
		R=1.5x ROUND TEE - TURNING VANES ARE NOT REQUIRED		THERMOSTAT / HUMIDISTAT
				SENSOR: TEMPERATURE, HUMIDITY, PRESSURE
				DIRECTION OF AIRFLOW

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
I.E. IE.	INVERT ELEVATION
KG	GREASE EA DUCT (TYPE I KITCHEN HOOD)
KV	KITCHEN VAPOR (NON-GREASE) EA DUCT
MR, NR (OA-RA)	MIXED NR (OA-RA)
NC, 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
SP	SUPPLY FAN
SWH	SERVICE WATER HEATER
TA	TRANSFER AIR
TOD	TOP OF DUCT
TP	TYPICAL
VVA	VENTILATION AIR
VTR	VENT THROUGH ROOF (SANITARY SEWER)
WI	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 THEY WERE OMALED OUT 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 DETAILS IS NOT PRESENTED, DRAWINGS ARE DIAGRAMMATIC, BECAUSE OF THE SMALL SCALE. THEY DO NOT SHOW EVERY DETAIL, BEND OR SLOPE 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. CAMOUFLAGE 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 DETAILS. INSTALL INTO OPERATION AND CALIBRATED UNDER OPERATING CONDITIONS.
5. INSTALL EQUIPMENT IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S WRITTEN RECOMMENDATIONS. PROVIDE INSTALLED TIGHTENINGS, 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 RESPONSE. ACTION SUBMITTALS MAY BE REJECTED FOR NOT COMPLYING WITH REQUIREMENTS. INFORMATION SUBMITTALS INCLUDE COORDINATION DRAWINGS, WELDING CERTIFICATES, QUALIFICATION DATA, INSTALLER CERTIFICATES, MANUFACTURER PRODUCT TEST REPORTS, PRODUCT CERTIFICATIONS, MATERIAL TEST REPORTS, MATERIAL TEST REPORTS, PRODUCT TEST REPORTS, FIELD TEST REPORTS, OPERATION AND MAINTENANCE DATA, MANUFACTURERS INSTRUCTIONS, MANUFACTURERS FIELD REPORTS, INSURANCE CERTIFICATES AND BONDS, MATERIAL SAFETY DATA SHEETS AND RECOMMENDED SPARE PARTS LISTS.
3. FURNISH, ORDER AND DELIVER TO ON-SITE STORAGE IN ORIGINAL FACTORY PACKAGING.
4. INSTALL, UNLOAD, 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).

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. FOR EXAMPLE, COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR THE CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, REFRIGERATION, AND ELECTRICAL WORK. WHERE CONFLICTS OCCUR, RESOLVE THEM FIRST FOR PRIORITY 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 ORGANS, 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 OF EQUIPMENT IN SPACE, ALLOW FOR MINIMUM CLEARANCE WITH ANY DEPENDENCY 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 REVISIONS 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 THE EXISTING BUILDING.
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 NOTINGS DIRECTLY ABOVE ELECTRICAL-PANEL FOOTPRINTS. PROVIDE CLEAR, FULL-WIDTH 4-FIT ZERO-INCH-DEEP BY 6-FIT 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 ELEVATOR.
11. REVIEW CONSTRUCTION DOCUMENTS EQUIPMENT AND SYSTEM SCHEMATICS AND DIAGRAMS FOR CONNECTIONS AND ARRANGEMENTS OF MECHANICAL DEVICES AND EQUIPMENT. PROVIDE VALVE FITTINGS, SENSORS, 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. PROVIDE SUPPORTS FOR EQUIPMENT LOADS LESS THAN 10 LBS. MAKE SURE THE STEEL ROOF DECK IN CASES WHEN HANGING FROM THE STEEL ROOF DECK CANNOT BE ADVISED. THE ATTACHMENT METHOD SHALL VARY THE LOAD ACROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.
14. INSTALL FLOOR-MOUNTED EQUIPMENT ON CONCRETE PADS WITH A MINIMUM THICKNESS OF 4 INCHES. FOR FLOOR-MOUNTED EQUIPMENT, PROVIDE 12 INCHES THICKNESS 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 WUTTING AT BOTH THE PIPE HANGER AND THE HANGER ROD ATTACHMENT TO STRUCTURE.

17. CEILING SPACERS WILL BE USED AS AIR PLenums. PRELIMINARY DESIGN INSPECTION REVEALED A COMPLIANT SPACE (NO COMBUSTIBLES). WATCH FOR COMBUSTIBLES DURING CONSTRUCTION AND IMMEDIATE RECOVERY 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 DISBURSORS 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 AS REFERENCE TO MAINTENANCE OR REPAIR, TRADES SHALL ALSO NUMBER AND LABEL SUCH OR THE LIKE, IF IT IS 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 DESCRIPTION, 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 REPAIR. ACCESS PANELS SHALL BE NOT REQUIRED WHERE ACCESS IS READILY ACCESSIBLE THROUGH NORMALLY REMOVABLE FEATURES SUCH AS LAY-IN CEILING 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.

[illegible]



A photograph of a room with a white wall. A black and white striped awning-like structure hangs from the ceiling. A sign on the wall reads "The JACKSON GROUP Synergy Center Entrance". A wooden desk in the foreground has papers and blocks on it. A blackboard is visible in the background.

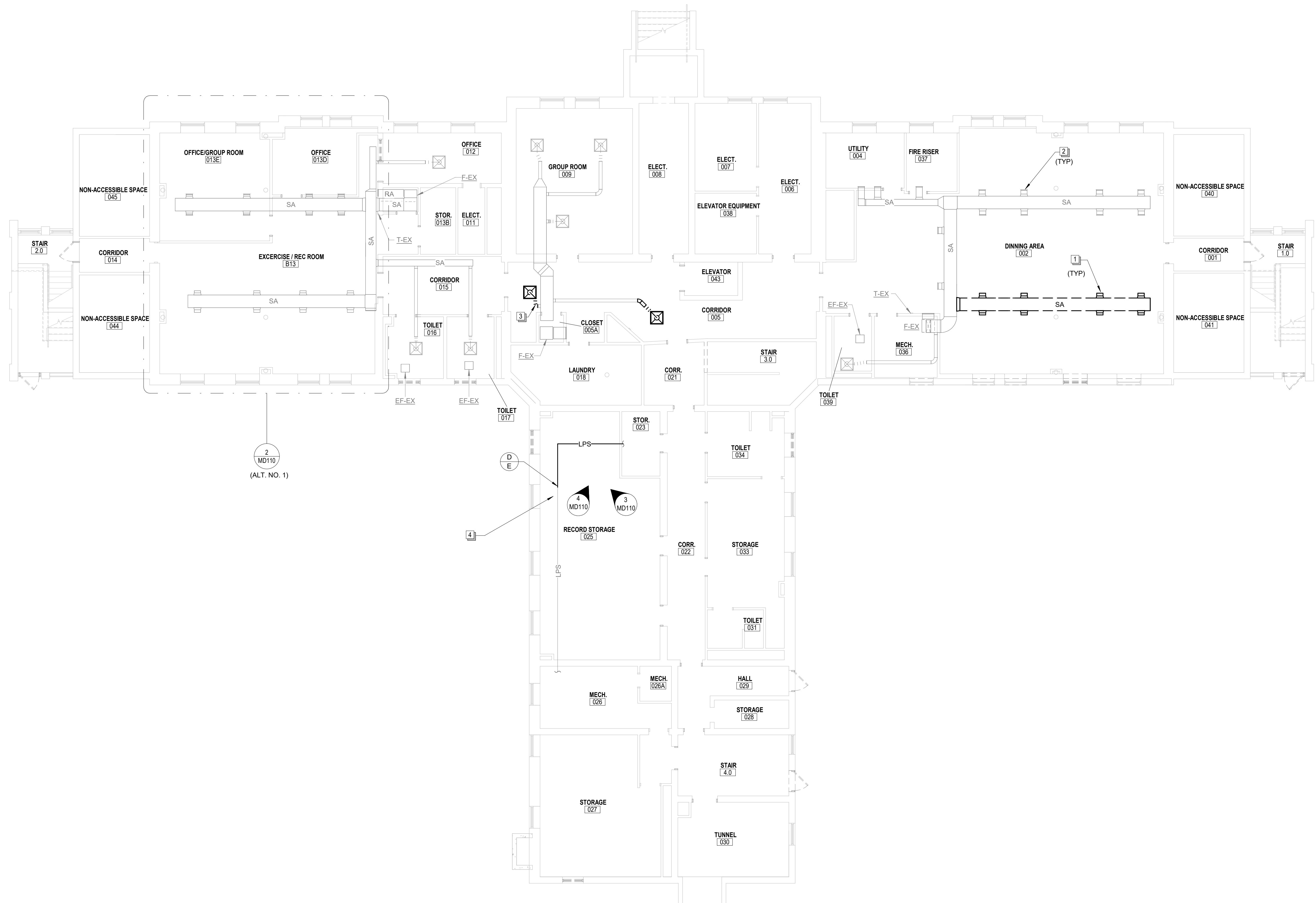
4
MD110

A photograph of a room corner. On the left, a white sign with black text reads "MICKSON CENTER for the ARTS". The sign is leaning against a white wall. To the right, a wooden desk is visible, with some papers and small wooden blocks on it. A black cable runs diagonally across the upper part of the frame. The wall is white and has a small, light-colored rectangular object mounted on it.

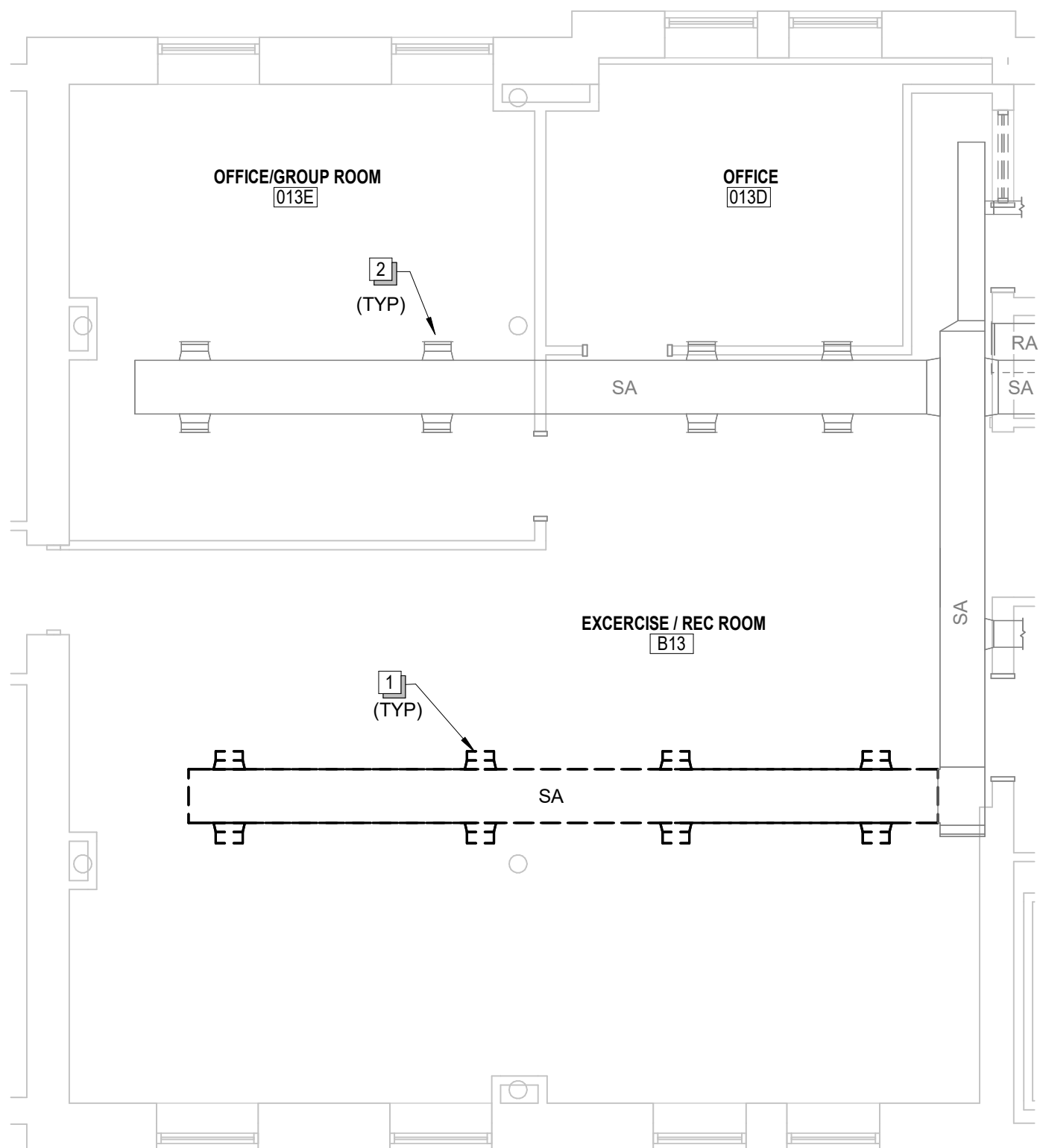
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHEN ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S 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.

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.
4. COORDINATE WITH OWNER PRIOR TO DEMOLITION WORK WITHIN THIS ROOM.

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[illegible]

NORTH



DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

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

MECHANICAL DEMOLITION PLAN - BASEMENT LEVEL

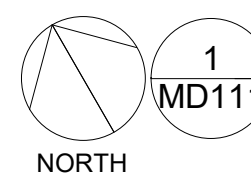
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DATE: 03-22-2024

JOB NUMBER:
257-014

SHEET:
MD110



1) $1/8'' = 1'-0''$

SHEET:
MD111



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 REMOVING, 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.

- 1 DEMOLISH SUPPLY DIFFUSER IN ITS ENTIRETY. PREPARE DUCTWORK FOR NEW DIFFUSER. DEMOLITION WORK 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 DEMOLISH RETURN DUCTWORK AS REQUIRED FOR NEW CEILING WORK. COORDINATE WITH CEILING DEMOLITION.
- 5 DEMOLISH EXISTING DUCTWORK SERVING THIS ROOM. DEMOLITION WORK AS REQUIRED. FIELD VERIFY LOCATION AND SIZE.
- 6 DEMOLISH EXISTING FIN TUBE HEATER FOR NEW WORK. DEMOLISH PIPING AS REQUIRED. FIELD VERIFY LOCATION AND SIZE.
- 7 DEMOLISH EXISTING FIN TUBE HEATER AND PREPARE FOR NEW UNIT IN SAME SPACE. MINIMUM PIPING AS REQUIRED. FIELD VERIFY LOCATION AND SIZE.
- 8 DISCONNECT AND SHUT-INS ALL SPLIT UNITS. UNITS ARE TO BE REINSTALLED AFTER NEW ROOM. COORDINATE WITH WINDOWWALL DEMOLITION WORK.
- 9 DEMOLISH EXISTING EXHAUST LOUVER IN ITS ENTIRETY. COORDINATE WITH WINDOW DEMOLITION. PREPARE EXISTING EXHAUST DUCT FOR NEW CONNECTION.
- 10 DEMOLISH EXISTING DUCTWORK ROUTED THROUGH CEILING INTO ATTIC SPACE. FIELD VERIFY ROUTING AND LOCATION.
- 11 DISCONNECT EXHAUST FAN AND REMOVE FOR CEILING WORK. UNIT IS TO BE SALVAGED AND REINSTALLED. FIELD VERIFY LOCATION, COORDINATE WITH CEILING WORK.

				DRAWN:	AJL
				DESIGNED:	AJL
				CHECKED:	DMS
				PROJ. MNGR:	NJM
03-22-2024	0	BID SET	RFE		
DATE	NO.	DESCRIPTION	BY		

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1 MECHANICAL DEMOLITION PLAN - SECOND LEVEL

1/8" = 1'-0"

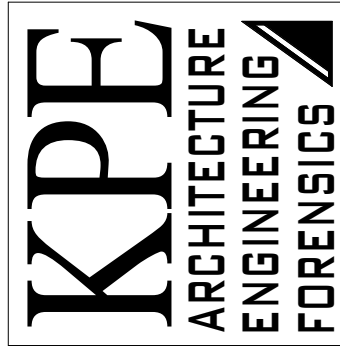
DHS CHIMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

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MECHANICAL DEMOLITION PLAN - SECOND LEVEL

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DATE: 03-22-2024

JOB NUMBER:
257-014

SHEET: **MD112**

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 $\pm 5\%$ 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-TUBE 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.

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 ROOM AND CONNECT INTO EXISTING DRAIN WASTE LINE. FIELD VERIFY LOCATION AND ROUTING. BOTTOM OF UNIT SHALL BE MOUNTED AT 7'-0" AFF.
3. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE/SMOKE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE/SMOKE WALL LOCATIONS.
4. COORDINATE ROUTING WITH EXISTING LIGHTS AND SPRINKLER PIPING. FIELD VERIFY FINAL LOCATION.
5. 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.
6. REBALANCE AIRFLOW. FIELD VERIFY LOCATION.
7. AIRFLOW FOR UNIT SHALL BE REBALANCED TO MEET TAB SPECIFICATION SECTION 230593.
8. PROVIDE CAP ON DUCTWORK. FIELD VERIFY LOCATION.
9. PER ALT. NO. 4. PROVIDE NEW REGISTER D-2 AS LISTED ON M201.

				DRAWN:	AJL
				DESIGNED:	AJL
				CHECKED:	DMS
				PROJ. MNGR:	MJM
03-22-2024	0	BID SET	KPE	BY	
DATE	NO.	DESCRIPTION			

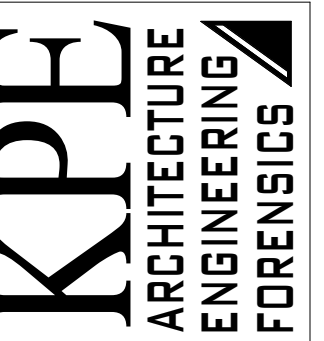
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MECHANICAL PLAN - BASEMENT LEVEL

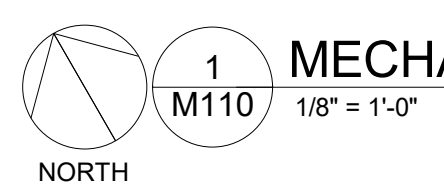
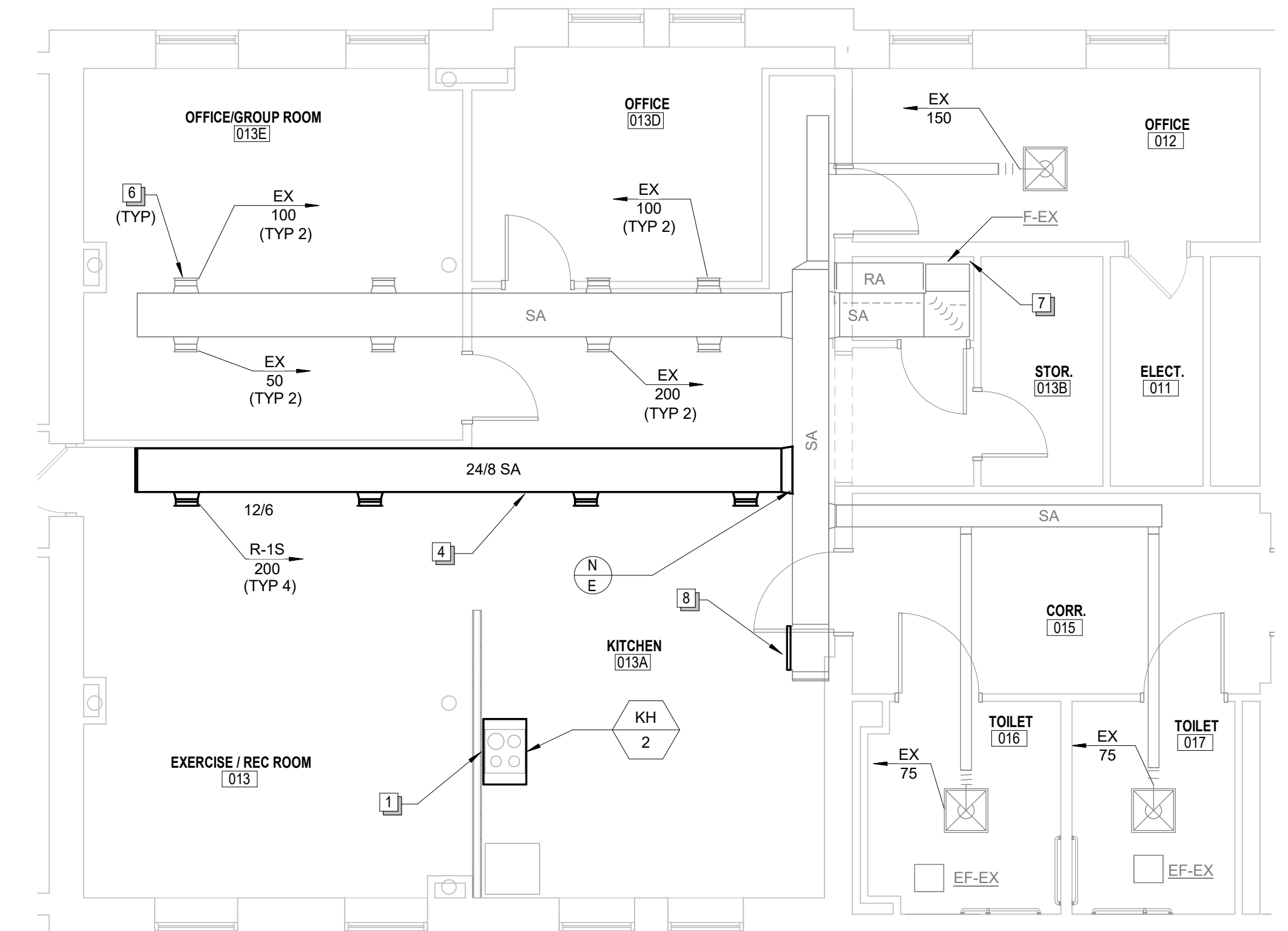
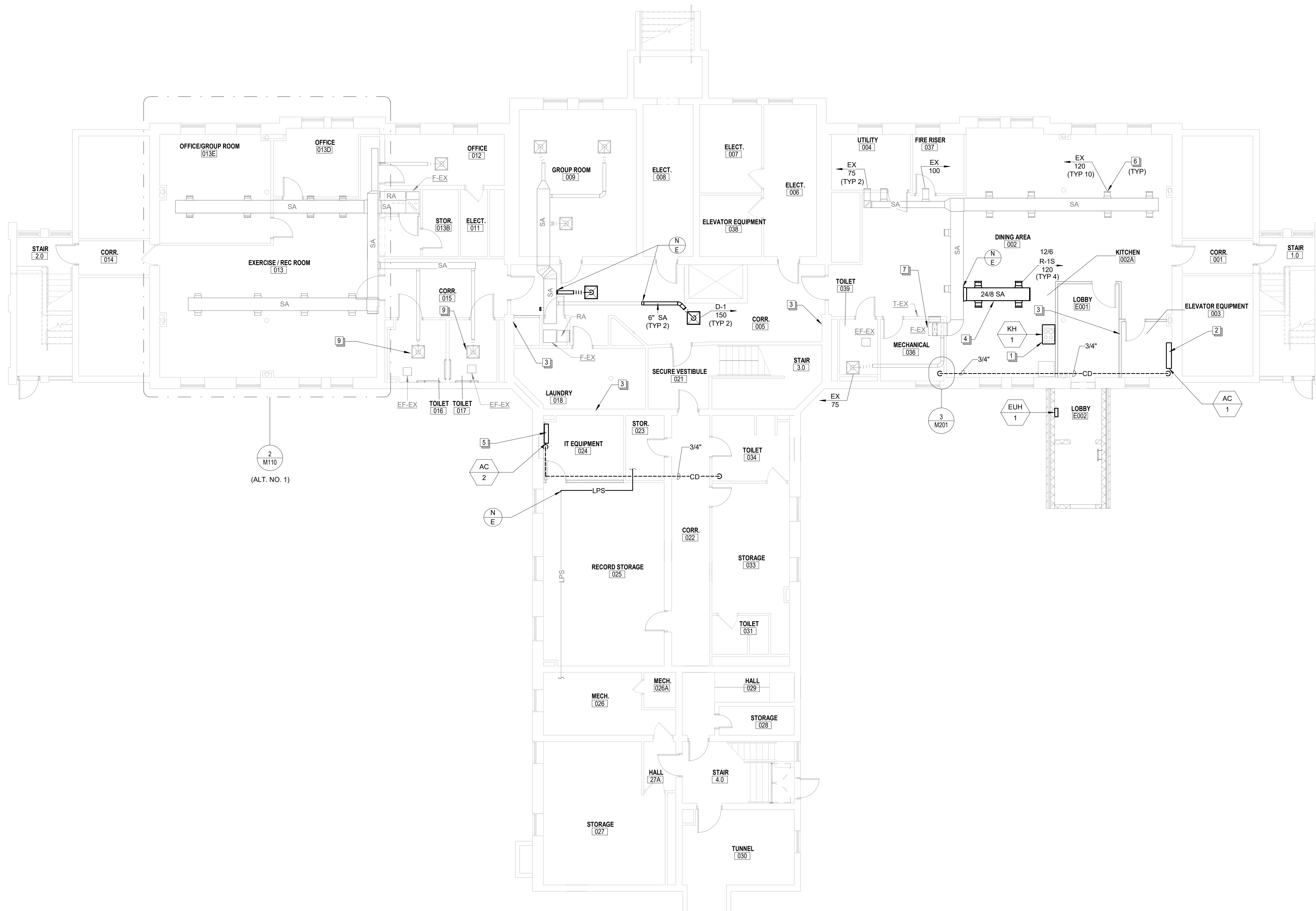
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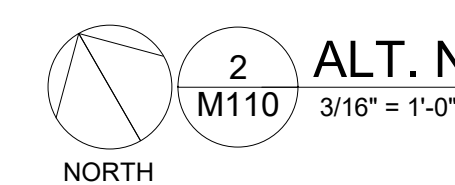
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MECHANICAL PLAN - BASEMENT LEVEL



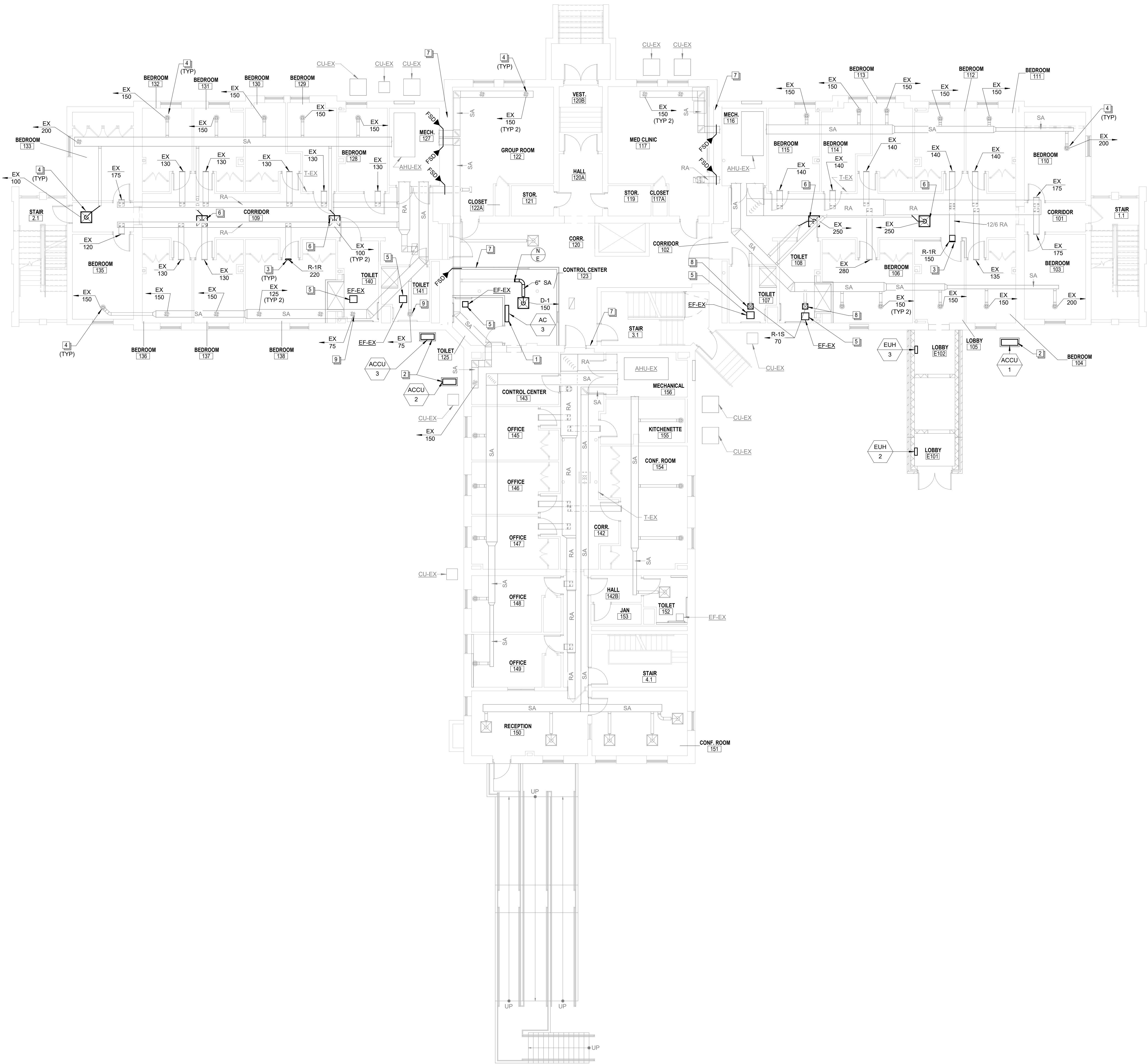
ALT. NO. 1: ENLARGED MECHANICAL PLAN - BASEMENT LEVEL



1
M111

MECHANICAL PLAN - FIRST LEVEL

1/8" = 1'-0"



GENERAL NOTES:

- SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
- FIRE DAMPERS SHOWN ARE 1-1/2 HOUR UNLESS OTHERWISE NOTED.
- 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.
- 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.
- DUCT DIMENSIONS SHOWN ON CONSTRUCTION DOCUMENTS ARE CLEAR, INSIDE DIMENSIONS UNLESS INDICATED OTHERWISE. INCREASE OUTSIDE DUCT DIMENSIONS TO ACCOMMODATE INDICATED THICKNESS OF DUCT LINER.
- CONSTRUCT DUCTWORK IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA STANDARDS EXCEPT PROVIDE TURNING VANES IN SQUARE-THROAT ELBOWS.
- 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.
- MOUNT ROOM SENSORS AT A HEIGHT APPROVED BY APPLICABLE CODE OR REGULATIONS. IF NOT REGULATED, MOUNT ROOM SENSORS FOUR FEET ABOVE FINISHED FLOOR LEVEL.
- TAKE SPECIAL CARE TO MOUNT EXPOSED DEVICES SQUARELY AND IN A COMPLEMENTARY MANNER TO ROOM FINISHES.
- COORDINATE LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- PROVIDE CEILING RADIATION DAMPERS FOR ANY DIFFUSERS LOCATED IN FIRE RATED CEILING.
- 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

- 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.
- CONDENSER SHALL BE MOUNTED ON GROUND. PROVIDE CONCRETE EQUIPMENT PAD. FIELD VERIFY LOCATION.
- PROVIDE NEW RETURN GRILLE IN WALL. REBALANCE TO EXISTING AIRFLOW. FIELD VERIFY LOCATION.
- REBALANCE AIRFLOW. FIELD VERIFY LOCATION.
- REINSTALL EXISTING EXHAUST FAN. FIELD COORDINATE WITH EXISTING STRUCTURE.
- RELOCATED DIFFUSER. COORDINATE WITH LIGHTS.
- PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE/SMOKE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE/SMOKE WALL LOCATIONS.
- PROVIDE NEW SUPPLY REGISTER. COORDINATE WITH LIGHTS AND EXHAUST FAN. PER ALT. NO. 4, REGISTER SHALL BE D-2 AS LISTED ON M201.
- PER ALT. NO. 4, PROVIDE NEW REGISTER D-2 AS LISTED ON M201.

DATE	NO.	DESCRIPTION	BY
03-22-2024	0		

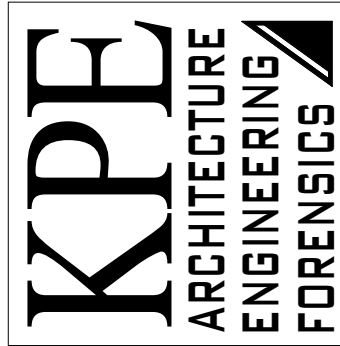
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1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
2. FIRE DAMPERS SHOWN ARE 1-1/2 HOUR UNLESS OTHERWISE NOTED.
3. PROVIDE VOLUME DAMPERS IN DUCT BRANCHES TO THE AIR QUANTITIES. PROVIDE NECESSARY DAMPERS TO BALANCE THE AIR DISTRIBUTION SYSTEM TO 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 AIR-OUTLET. AN AIR-TEST PORT IN 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.
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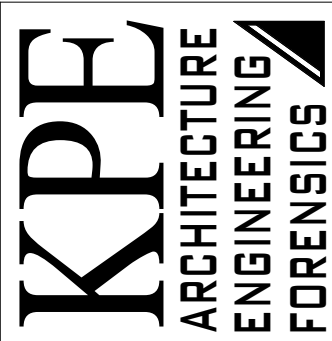
1. ROOF DRYER EXHAUST DUCTWORK TO EXTERIOR WALL AND TERMINATE INTO WALL CAP. WALL CAP SHALL BE AROUND BUILT IN BACKDRAFT DAMPER. FIELD VERIFY FIELD LOCATION WITH CONSTRUCTION MANAGER.
2. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE/SMOKE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE/SMOKE WALL LOCATIONS.
3. ROOF DUCT SHALL BE 2" MIN. SIZE. 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 DETECTED.
4. 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" MIN. IN SIZE AND BE EGROGATE TYPE EX: TITUS 50R OR APPROVED EQUAL DRAWN FOR CLARITY.
5. REINSTALL EXISTING MIN 2" SPILT IN SIZE IN SAME LOCATION AS PREVIOUS. COORDINATE WITH NEW EXHAUST DUCT WORK.
6. PROVIDE WALL CAP WITH BUILT IN BACKDRAFT DAMPER, CONNECT EXISTING EXHAUST DUCT INTO WALL CAP. FIELD VERIFY LOCATION. COORDINATE WITH NEW WALL INFILL.
7. DUCT OPENING SHALL BE PATCHED. COHERE SIPS. COHERE SIPS TO EITHER SIDE OF THE OPENING AND FILL. THE OPENING WITH THE WOOD. FIELD VERIFY LOCATION.
8. REINSTALL EXISTING EXHAUST FAN. FIELD COORDINATE WITH EXISTING STRUCTURE.
9. PROVIDE NEW SUPPLY REGISTER. COORDINATE WITH LIGHTS AND EXHAUST FAN. PER ALT. NO. 4.
10. PER ALT. NO. 4, PROVIDE NEW REGISTER D-2 AS LISTED ON N201.

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

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MECHANICAL PLAN - SECOND LEVEL

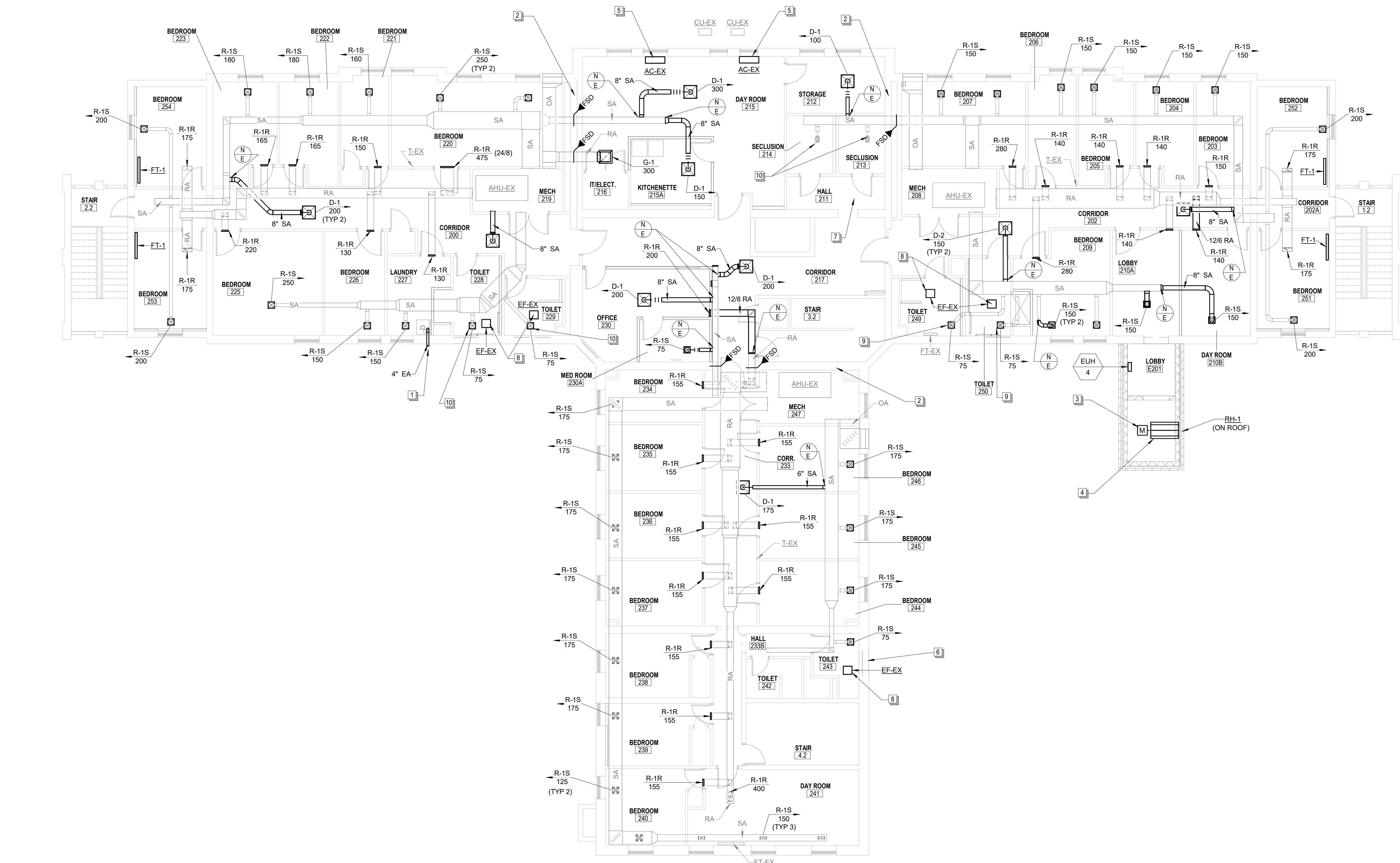
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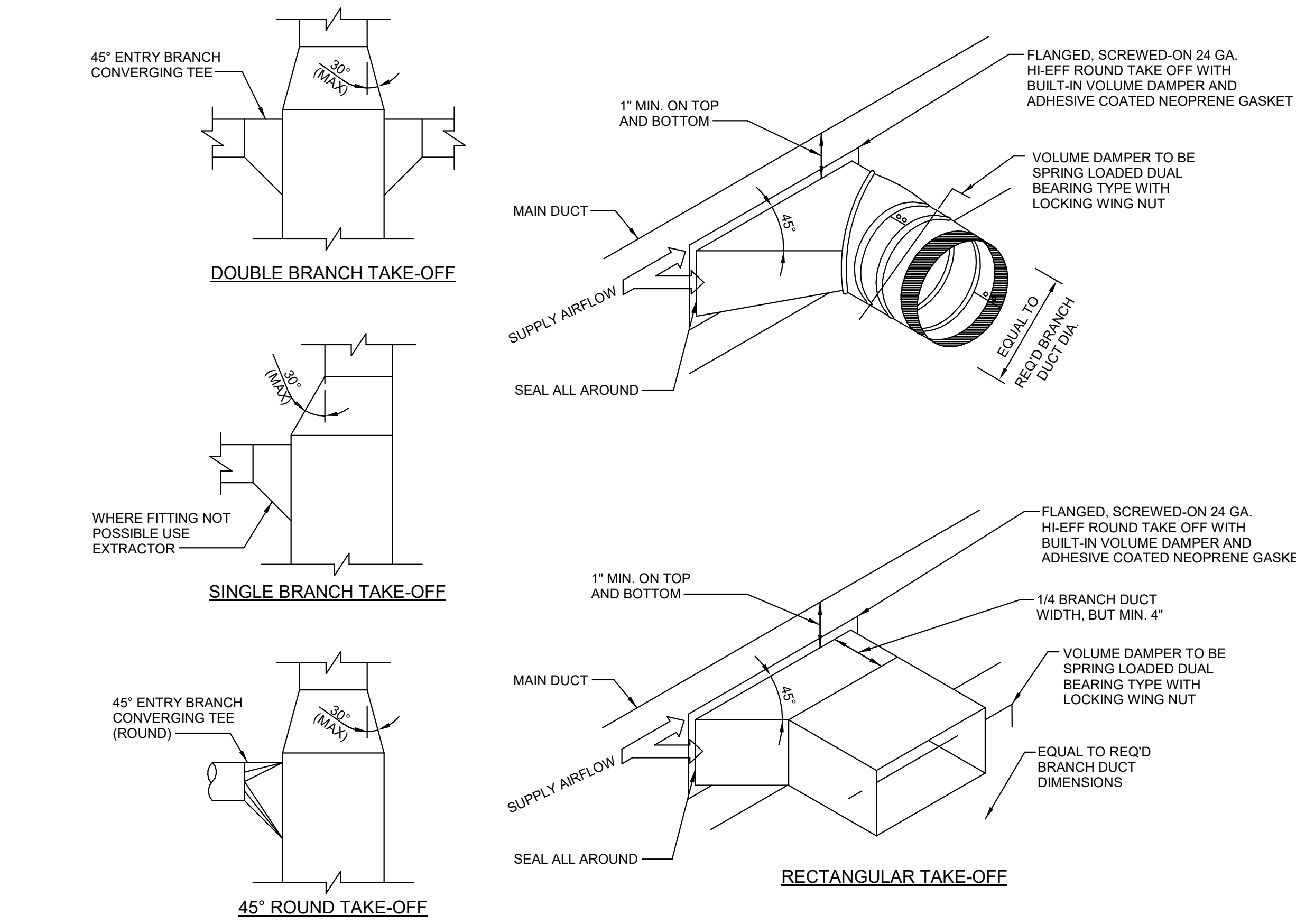
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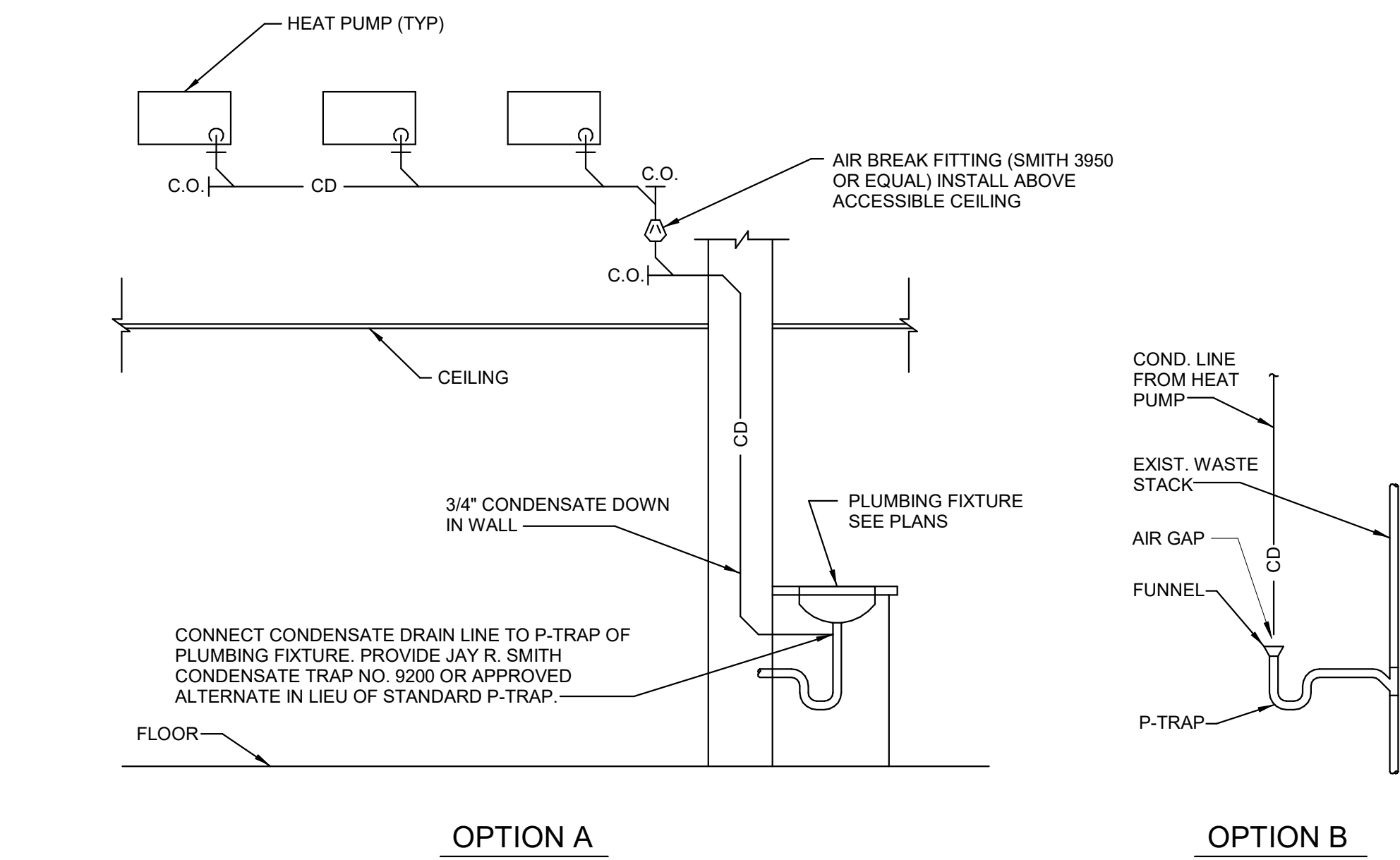
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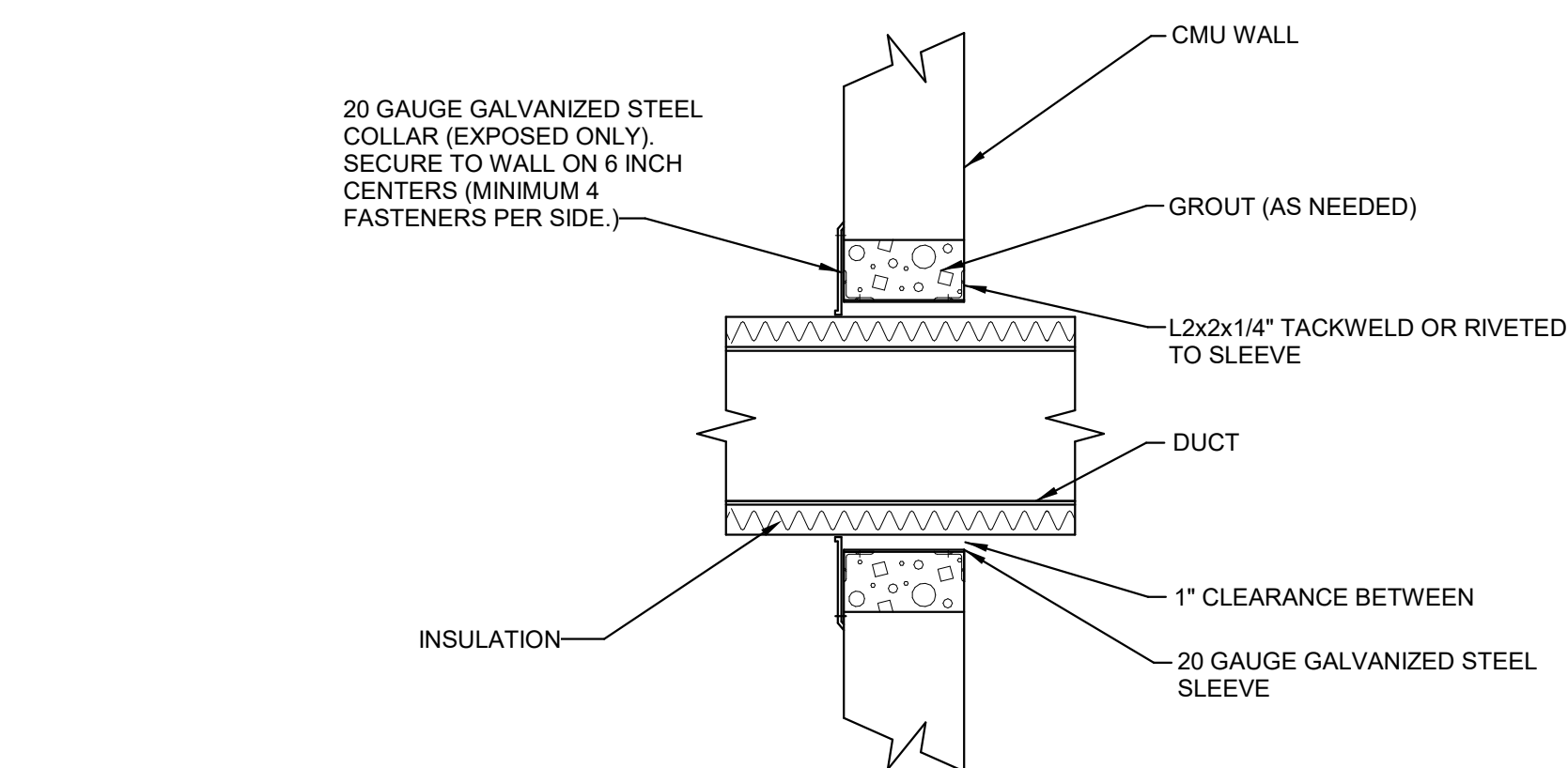
1 MECHANICAL PLAN - SECOND LEVEL



1 TYPICAL ROUND & RECTANGULAR BRANCH TAKE-OFF FITTING DETAIL
M201 NO SCALE

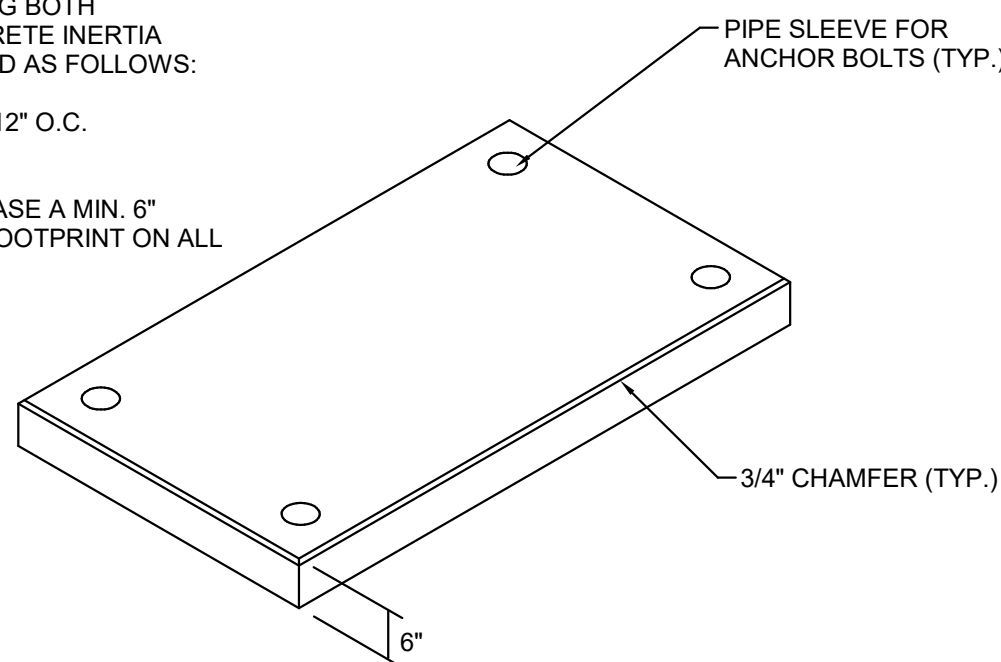


3 AIR BREAK FITTING DETAIL
M201 NO SCALE



5 DUCT PENETRATION THROUGH WALL
M201 NO SCALE

- NOTES:
- FLOOR UNDER BASE SHALL BE ROUGHED, BASE SHALL BE DOWELED TO FLOOR, ADJUST BASE SIZE AS REQUIRED FOR INDIVIDUAL EQUIPMENT INSTALLED.
 - ALL BASES SUPPORTING BOTH EQUIPMENT & A CONCRETE INERTIA PAD TO BE REINFORCED AS FOLLOWS:
 - PROVIDE #5 REBAR @ 12" O.C. BOTH WAYS IN BASE.
 - EXTEND EQUIPMENT BASE A MIN. 6" BEYOND EQUIPMENT FOOTPRINT ON ALL SIDES.



6 TYPICAL CONCRETE PAD DETAIL
M201 NO SCALE

CONDENSING UNIT SCHEDULE													
MARK	SERVES	TOTAL CAPACITY (MBH) (COOLING/HEATING)	EER	COMPRESSOR DATA			CONDENSER DATA			ELECTRICAL DATA			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			1
ACCU-2	AC-2	10.6 / 13.4	11.5	1	1	R-410A	1	1	95	SEE ME CONN SCHEDULE			1
ACCU-3	AC-3	12 / --	8.5	1	1	R-410A	1	1	95	SEE ME CONN SCHEDULE			1

NOTES:

- 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)	DIRECTION	THROW PATTERN	DISTANCE (NOTE 4)	DAMPER (Y/N)	MATERIAL	COLOR/ FINISH	BASIS OF DESIGN (NOTE 3)
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
D-2	.05	35	12 X 12	SEE PLANS	SEE PLANS	N/A	HORIZONTAL	4-WAY	4-7-11	NO	STEEL	WHITE	TITUS SG
G-1	0.1	30	24x24	SEE PLANS	SEE PLANS	N/A	N/A	N/A	N/A	NO	STEEL	WHITE	TITUS 50R
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 33RL
R-1S	0.1	30	12x12	120 CFM WITH 6-IN DIA NECK	6	3/4 DOUBLE	ADJUSTABLE	2-WAY	VARIES	NO	STEEL	WHITE	TITUS 300RS

- NOTES:
- NOISE CRITERIA VALUES ARE BASED ON A ROOM ABSORPTION OF 10 db, re 10-12 WATTS.
 - PROVIDE FRAMES APPROPRIATE FOR MOUNTING REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.
 - SEE PLANS FOR NECK SIZE AND CFM.
 - INDICATED THROWS ARE A GENERAL GUIDELINE TO SHOW DESIGN INTENT. THROWS ARE AT VELOCITIES OF 150-100-50 FEET PER MINUTE, RESPECTIVELY.
 - 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).
 - PRODUCT SHALL BE ANTI-LIGATURE AND BE SECURITY RATED.
 - PROVIDE WITH DAMPER TO BALANCE AIRFLOW.
 - 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 TOTAL CAP (MBH)	MOTOR DATA			FILTER DATA		
				TOTAL CAP (MBH)	EAT DB (DEG F)	REFG (TYPE)		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
AC-2	360	SEE MFG	WALL MOUNTED	10.6	80	R-410A	13.4	SEE ME CONN SCHEDULE			WASHABLE	MFG STANDARD	1
AC-3	360	SEE MFG	WALL MOUNTED	12	80	R-410A	--	SEE ME CONN SCHEDULE			WASHABLE	MFG STANDARD	1

- NOTES:
- REFRIGERANT PIPE QUANTITIES AND SIZE TO BE PER MANUFACTURER'S PIPING SCHEMATIC.
 - 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:
- 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.
 - 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 CONFIGURATION	WEIGHT (LBS)	BASIS OF DESIGN
				AMPS	V	PH			
EUH-1	LOBBY E002	100	1.5	SEE ME CONN SCHEDULE			WALL MOUNTED	25	QMARK AWH
EUH-2	LOBBY E101	100	1.5	SEE ME CONN SCHEDULE			WALL MOUNTED	25	QMARK AWH
EUH-3	LOBBY E102	100	1.5	SEE ME CONN SCHEDULE			WALL MOUNTED	25	QMARK AWH
EUH-4	LOBBY E201	100	1.5	SEE ME CONN SCHEDULE			WALL MOUNTED	25	QMARK AWH

- NOTES:
- FINISH / COLOR SHALL BE STANDARD WHITE.
 - PROVIDE PILOT LIGHT TO INDICATE "ENERGIZED".
 - PROVIDE BUILT IN T-STAT.

RANGE HOOD SCHEDULE							
MARK	HOOD TYPE	EXHAUST		HOOD SIZE (L x W x H) (IN)		HOOD MATERIAL	WEIGHT (LBS)
		CFM	SP (IN.WC)	CFM	SP (IN.WC)		
KH-1	UL 300A	500	SEE MFG	36 X 23.5 X 12	STAINLESS STEEL	95	GREENHECK GRRS
KH-2	UL 300A	500	SEE MFG	36 X 23.5 X 12	STAINLESS STEEL	95	GREENHECK GRRS

- NOTES:
- MOUNT HOOD'S BOTTOM UP AT MANUFACTURER'S RECOMMENDATION.
 - HOOD TO BE UL RATED FOR EXHAUST RATE SHOWN.
 - STAINLESS STEEL CONSTRUCTION.
 - UNIT SHALL HAVE LOCALIZED FIRE SUPPRESSION (CHEMICAL) WITHIN THE HOOD.
 - PROVIDE WITH MOUNTED LIGHT AND FAN SWITCHES. FINAL CONNECTIONS BY ELECTRICAL CONTRACTOR.
 - PROVIDE WITH RELAY TO FIRE ALARM SYSTEM.
 - HOOD SHALL BE RECIRCULATION TYPE.
 - PROVIDE UNDER BID ALTERNATE NO. 1 ONLY.

FIN-TUBE UNIT SCHEDULE									
MARK	ENCLOSURE HEIGHT	ENCLOSURE DEPTH	ELEMENT TYPE	TUBE SIZE	TUBE MATL	FIN SIZE	FINS PER FT	BASIS OF DESIGN	NOTES
FT-1	9-7/8"	3-1/2"	H-3	3/4"	COPPER	2-3/4" x 2-1/2" x 0.01"	60	SLANT FIN 350 SERIES	

- NOTES:
- BASED ON ENTERING AIR TEMP OF 65 DEG. F.
 - BASED ON ENTERING STEAM TEMP OF 215 DEG. F.
 - PERFORMANCE TO BE RATED FOR STEAM.
 - VERIFY LENGTH WITH FIELD CONDITIONS.
 - PROVIDE ENCLOSURE BRACKETS, TRIM, ENDPieces FOR INSTALLATION SHOWN ON DRAWINGS.
 - PROVIDE 2-WAY CONTROL VALVE.
 - PROVIDE WALL MOUNT TEMPERATURE SENSOR.

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 OCSP SIZE (MOCSP)	NAMEPLATE VOLTAGE	PHASE	FEDDER (SEE CONDUCTOR & CONDUIT SCHEDULE)	AVAILABLE AC (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
AC-1/ACCU-1	-	-	10.5	13.2	20	208	1	A20		30/2	3R	E	U	NF	-	3R	X	U	INT				
AC-2/ACCU-2	-	-	6.2	7.7	15	208	1	A20		30/2	3R	E	U	NF	-	3R	X	U	INT				M
AC-3/ACCU-3	-	-	6.2	7.7	15	208	1	A20		30/2	3R	E	U	NF	-	3R	X	U	INT				M
EUH-1	-	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	-	1	X	U	INT				M
EUH-2	-	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	-	1	X	U	INT				M
EUH-3	-	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	-	1	X	U	INT				M
EUH-4	-	1.5	12.5	15.7	20	120	1	A20		20A	1	X	U	TS	-	1	X	U	INT				M
SP-1	-	-	.5	0.6	15	120	1	A20		20A	1	X	U	CP	-	1	X	U	INT				M

- GENERAL NOTES:
- RESPONSIBILITY PROVISIONS: E = BY ELECTRICAL; M = BY MECHANICAL; X = BY MANUFACTURER.
 - LOCATION DESIGNATIONS: U = INTEGRAL OR NEAR UNIT; R = REMOTE LOCATION, SEE ADDITIONAL NOTES.
 - ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS FOR ALL 120V CONTROL DEVICES. MECHANICAL CONTRACTOR TO FURNISH AND COORDINATE ALL CONNECTIONS OF DEVICES.

- SCHEDULE NOTES:
- 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).
 - DISCONNECT SWITCH TYPE CODE DESIGNATORS: F = FUSED; NF = NON-FUSED; PF = PLUG FUSE BOX COVER UNIT; CP = CORD AND PLUG; CB = CIRCUIT BREAKER; TS = MOTOR-RATED TOGGLE SWITCH; CDS = COMBINATION MOTOR STARTER.
 - 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.
 - MECHANICAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE EQUIPMENT CONNECTION AND CONTROL REQUIREMENTS.

DATE:	BY:
03-22-2024	
JOB NUMBER:	DESCRIPTION:
257-014	
SHEET:	NO.
M201	

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MECHANICAL SCHEDULES AND DETAILS

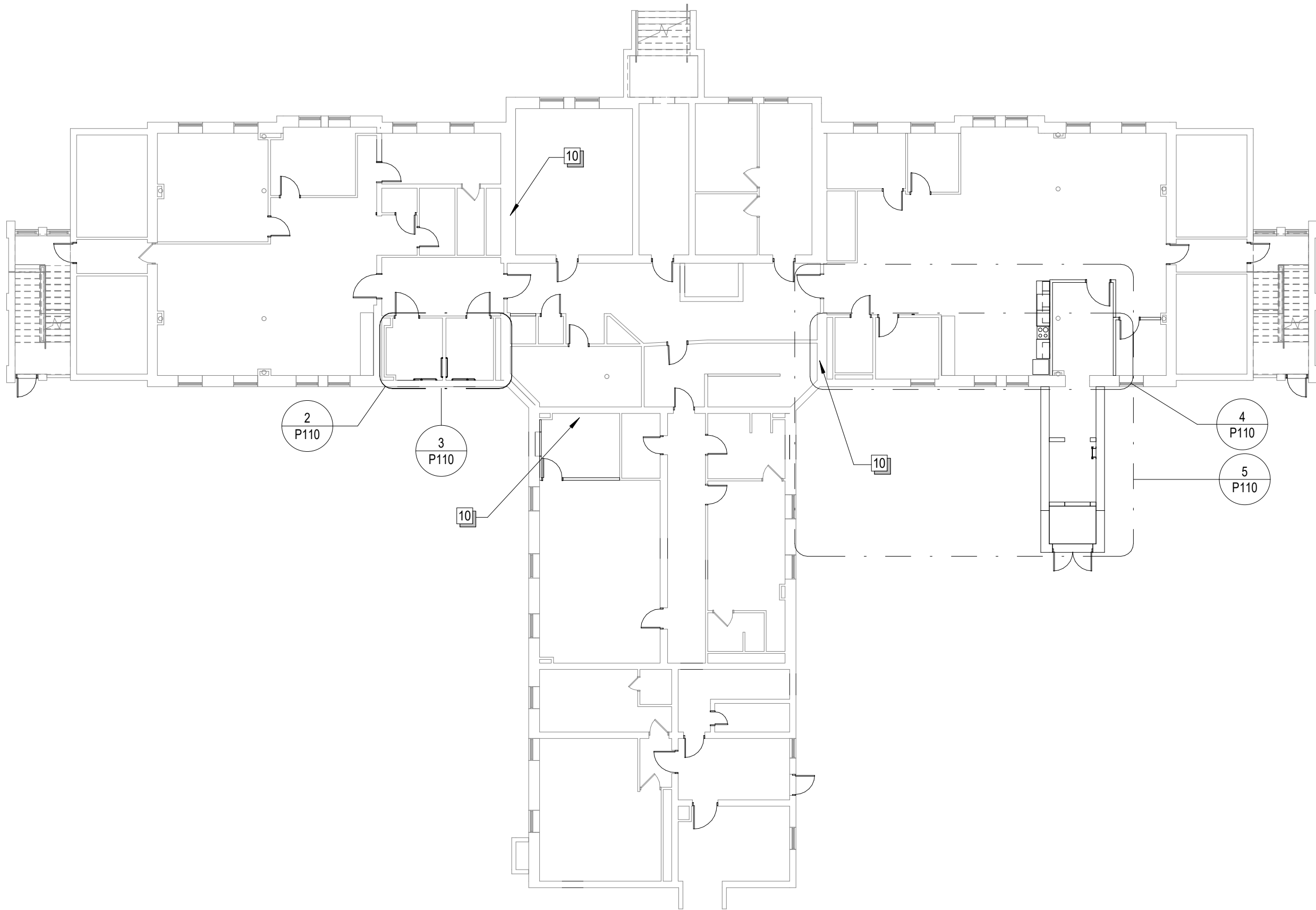
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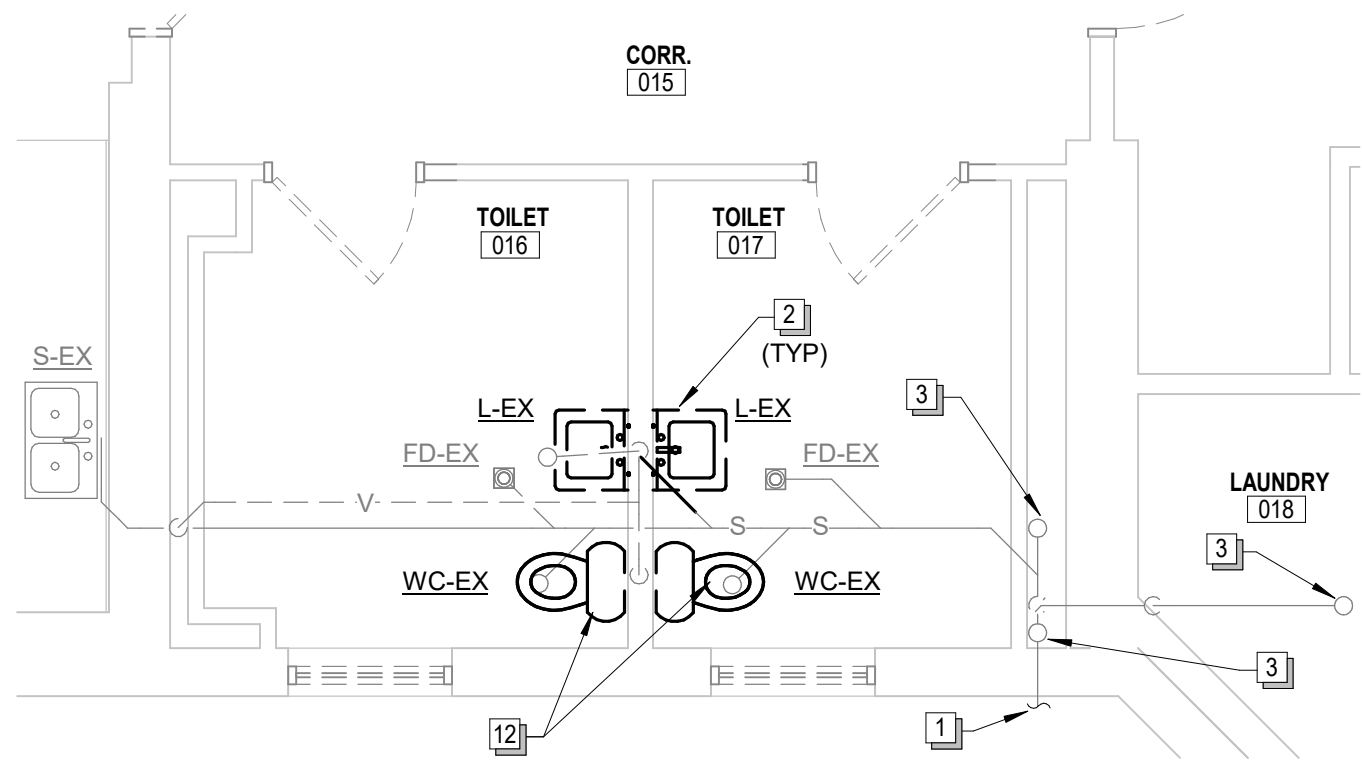
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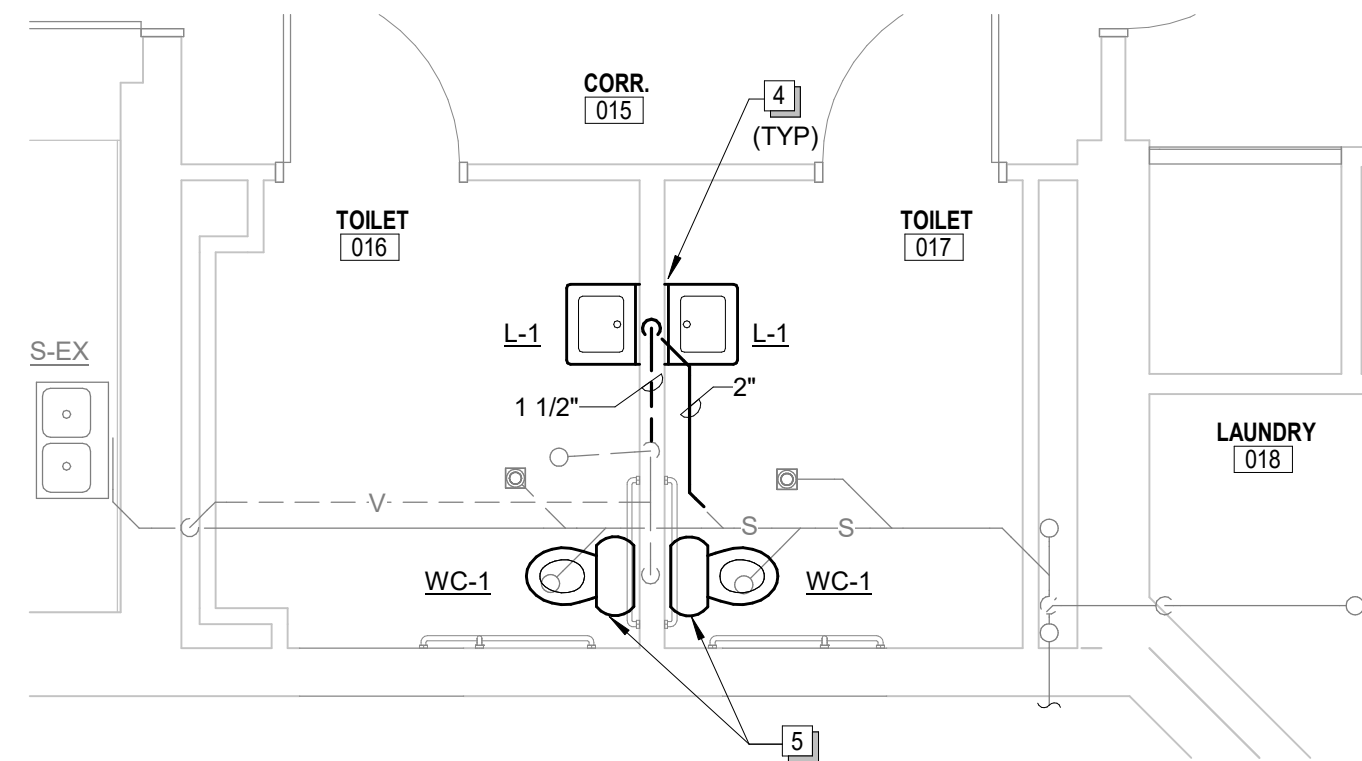
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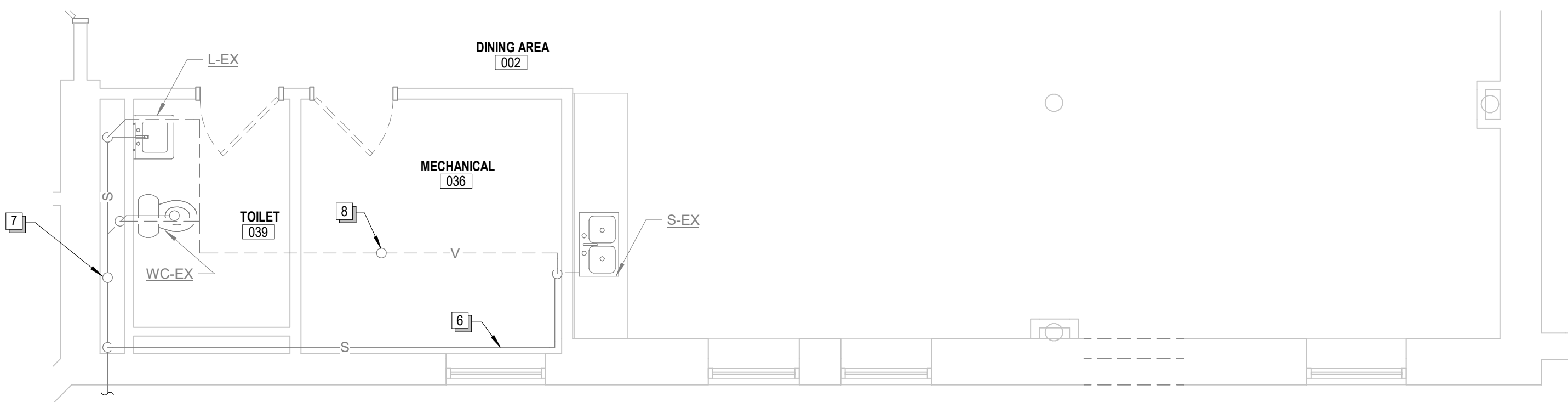
1
P110 1/16" = 1'-0"
NORTH



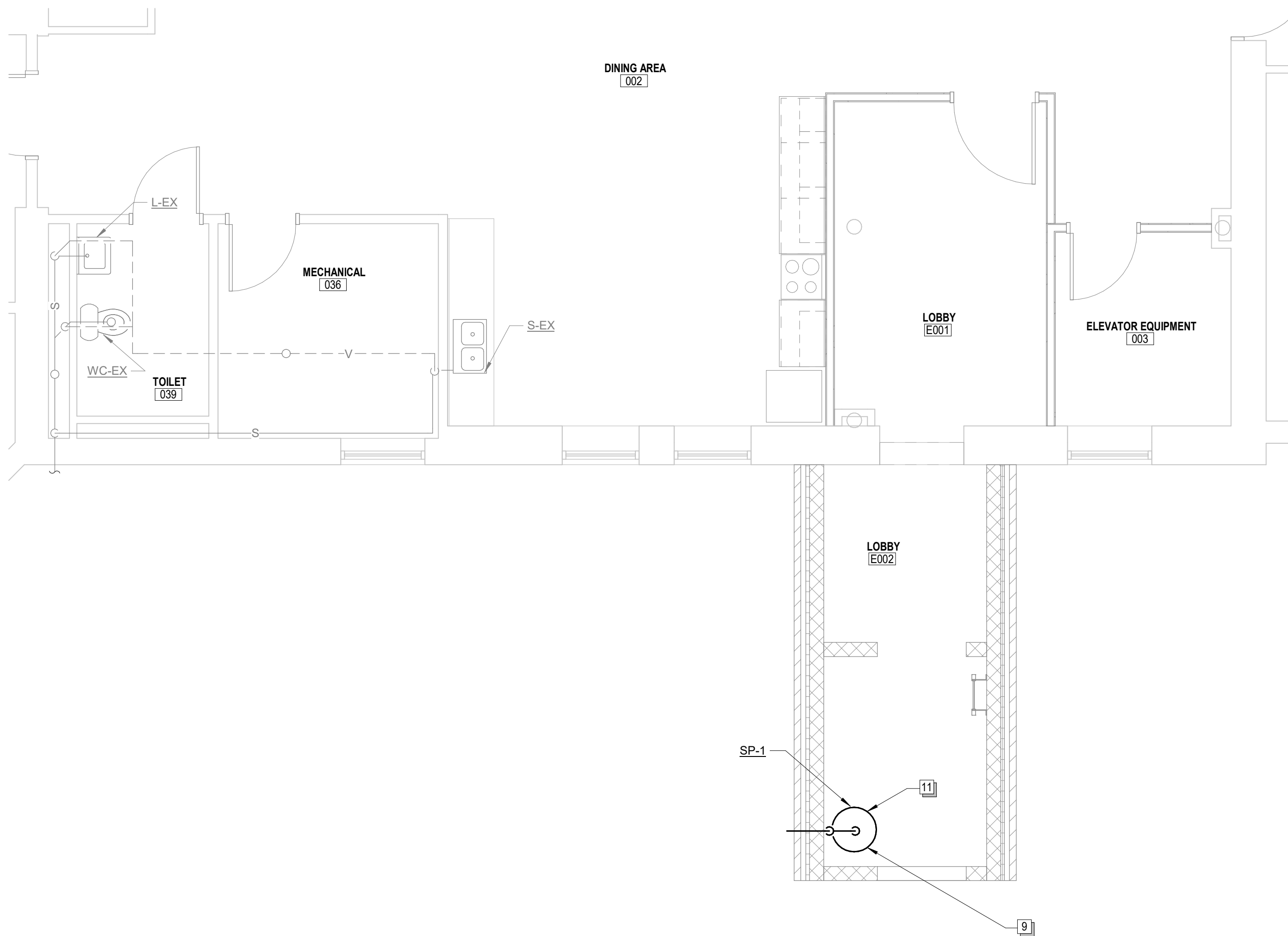
2
P110 1/4" = 1'-0"
NORTH



3
P110 1/4" = 1'-0"
NORTH



4
P110 1/4" = 1'-0"
NORTH



5
P110 1/4" = 1'-0"
NORTH

GENERAL DEMOLITION NOTES

- SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
- COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTIONS.
- 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.
- PROTECT EXISTING STRUCTURES AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
- COORDINATE DEMOLITION WORK SO THAT ELECTRICAL CONNECTIONS ARE REMOVED PRIOR TO MECHANICAL DEMOLITION.
- REPAIR AREAS AFFECTED BY DEMOLITION TO THEIR ORIGINAL CONDITION OR BETTER.
- 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.
- DARK LINED ITEMS ARE TO BE REMOVED, LIGHT LINED ITEMS ARE EXISTING TO REMAIN.

GENERAL NOTES:

- SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
- PROVIDE CLEANOUTS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES. LOCATE FLOOR CLEANOUTS OUT OF TRAFFIC AREAS.
- SEE "PLUMBING FIXTURE SCHEDULE" FOR FIXTURE TYPE AND SIZES OF INDIVIDUAL WASTES, VENTS AND DOMESTIC WATER PIPING CONNECTIONS TO FIXTURES.
- 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.
- INSTALL 4-INCH AND LARGER SANITARY PIPING AT 1/8-INCH PER FOOT SLOPE. INSTALL SMALLER SIZES AT 1/4-INCH PER FOOT SLOPE. INSTALL VENT PIPING SO IT WILL DRAIN.
- PROVIDE 2-INCH MINIMUM WASTE PIPING BELOW GRADE.
- COORDINATE EXACT LOCATION OF FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS.
- 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.)
- PIPE AND FITTINGS EXPOSED TO VIEW IN FINISHED SPACES SHALL BE CHROME PLATED BRASS.
- 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

- SANITARY WASTE PIPING ROUTED TO MAIN LOCATED OUTSIDE OF BUILDING. FIELD VERIFY LOCATION AND ROUTING.
- DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT.
- WASTE PIPING ROUTED TO FLOOR ABOVE.
- PROVIDE NEW WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURES. DRAWN FOR CLARITY.
- PROVIDE NEW WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURES AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL, DRAWN FOR CLARITY.
- WASTE PIPING IS EXPOSED AND ROUTED ALONG EXTERIOR WALL. PREPARE PIPING FOR NEW CONNECTION.
- EXISTING WASTE STACK, EXISTING TO REMAIN, FOR REFERENCE ONLY.
- VENT STACK ROUTED TO FLOOR ABOVE. FIELD VERIFY LOCATION.
- 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 36 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.
- PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE/SMOKE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE/SMOKE WALL LOCATIONS.
- ROUTE SUMP PUMP DISCHARGE PIPING UP ELEVATOR SHAFT AND THROUGH WALL TO TERMINATE AT GRADE. FIELD COORDINATE ROUTING WITH ELEVATOR. DRAWN FOR CLARITY.
- DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURE LAYOUT AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.

DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	P110
DATE:	03-22-2024
NO.	0
DESCRIPTION	BY
PROJ. MGR.	M.M.
CHECKED:	DMS
DESIGNED:	A.J.L.
DRAWN:	A.J.L.

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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.

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 FLUSHMETER VALVES AND ELSEWHERE WHERE 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 1/4-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 DEAD END 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.

- 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 FUTURE LAYOUT.
- 4 SANITARY WASTE PIPING SHOWING 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" VENT LINE. VENT PIPING SHALL CONNECT TO NEAREST 2" VENT LINE ON THIS LEVEL. FIELD VERIFY LOCATION AND ROUTING.
- 8 PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE/SMOKE WALLS.
- 9 VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE/SMOKE WALL LOCATIONS.
- 10 VENT LOCATED BELOW CEILING SHALL BE DEMOLISHED. PREPARE VENT PIPING TO BE REROUTED ABOVE CEILING.
- 11 VERTICAL WASTE PIPING SHALL BE DEMOLISHED BELOW FLOOR. PIPING SHALL BE MODIFIED AS REQUIRED FOR NEW PIPING. SEE NEW WORK.
- 12 WASTE PIPING IS LOCATED BELOW FLOOR. CONNECT INTO EXISTING VERTICAL WASTE PIPING LOCATED BELOW FLOOR. DRAWN FOR CLARITY. FIELD VERIFY LOCATION AND ROUTING.
- 13 FIELD VERIFY WASTE STACK ROUTING AND PLUMBING FIXTURES IT IS SERVING.
- 14 VENT PIPING TO REROUTED ABOVE CEILING. VENT PIPING TO EXISTING VENT PIPE ON FIRST LEVEL. DRAWN FOR CLARITY. SEE NEW WORK.
- 15 REROUTED VENT PIPING SERVING EXISTING BASEMENT PLUMBING FIXTURES. FIELD VERIFY LOCATION AND ROUTING.
- 16 FIELD VERIFY PLUMBING WASTE PIPING LOCATED BELOW FLOOR AND PREPARE FOR NEW CONNECTION.
- 17 DEMOLISH WASTE AND VENT PIPING AS REQUIRED FOR NEW FUTURE LAYOUT AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.
- 18 PROVIDE NEW WASTE AND VENT PIPING AS REQUIRED FOR NEW FIXTURES AND ADA REQUIREMENTS. COORDINATE WITH ARCHITECTURAL. DRAWN FOR CLARITY.
- 19 FLOOR DRAIN TO BE REROUTED TO NEW FLOORING. FIELD VERIFY LOCATION AND COORDINATE WITH NEW FLOORING.



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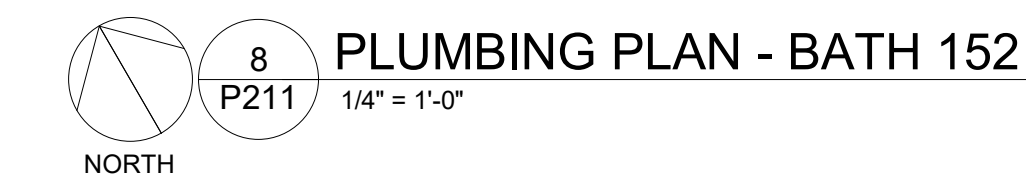


- ## GENERAL DEMOLITION NOTES
1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
 2. COORDINATE DEMOLITION WITH OWNER TO ELIMINATE DISRUPTION OF FACILITY'S FUNCTION.
 3. REMOVE AND DISPOSE OF ITEMS INDICATED TO BE DEMOLISHED. BEFORE REMOVAL, COORDINATE WITH THE OWNER WHICH ITEMS THE OWNER WISHES TO KEEP. COORDINATE DELIVERY OF OWNER'S CHOSEN ITEMS TO OWNER. DISPOSE OF ITEMS THE OWNER DOES NOT CHOOSE TO KEEP.
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- 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 CLEANSOUTS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES AND LOCAL ORDINANCES 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 ARRESTERS (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 FULL 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 THRU FIRE/SMOKE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE/SMOKE 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.
 8. SEE MEDIUM RISE MECHANICAL FOR FURTHER DETAILS.

[illegible]



SHEET: **P211**



1. SEE ALSO SYMBOLS, ABBREVIATIONS, AND NOTES SHEET.
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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.
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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 PIPING LOCATIONS NEAR BY-FLUSHMETER VALVES AND FLOWMETER PIPING. PROVIDE WATER HAMMER ARRESTORS SMALLER THAN 1/2" WITH DISBURSED PIPING MANUFACTURE.
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 DEAD END WITHIN A MAXIMUM OF 10 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.

1. SUPPLY PIPING SERVING THE 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 TO SERVICE SPACE.
5. PROVIDE NEW SUPPLY PIPING TO SERVE NEW SINK. FIELD VERIFY LOCATION AND ROUTING.
6. EXISTING SUPPLY PIPING FOR CLOTHES WASHER SHALL BE REMOVED TO BELOW FLOOR AND CAPPED. FIELD VERIFY LOCATION.
7. PROVIDE SHUTOFF VALVES FOR BATHROOM. SHUTOFF VALVES SHALL BE INSTALLED IN CORRIDOR AND BE ACCESSIBLE. DRAWN FOR CLARITY, FIELD VERIFY FINAL LOCATION. DEMOLISH EXISTING SHOWER. SEE NEW WORK.
8. PROVIDE 2" X 2" ACCESS PANEL FOR EXISTING PLUMBING SHUTOFF VALVES. FIELD VERIFY LOCATION. EX. IN SYSTEM DRAWING.
9. PROVIDE FIRE SEALANT AROUND PIPE PENETRATIONS THROUGH FLOOR. FIELD VERIFY LOCATION AND SIZE.
10. PROVIDE FIRE SEALANT AROUND ANY PENETRATION THROUGH FIRE/SMOKE WALLS. FIELD VERIFY LOCATION AND SIZE. SEE ARCHITECTURAL PLANS FOR FIRE/SMOKE WALL LOCATIONS.

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PLUMBING SUPPLY PLANS - SECOND LEVEL

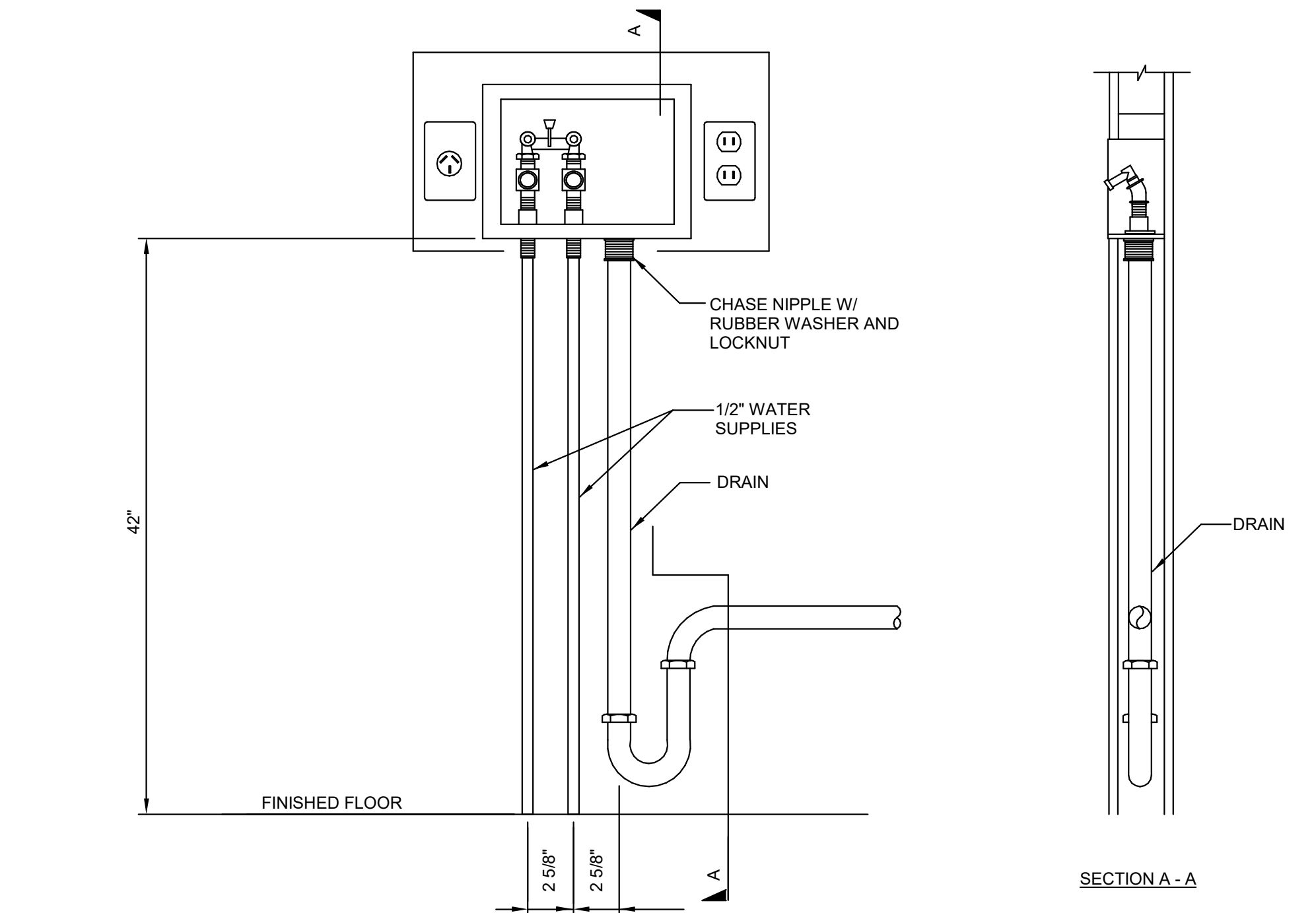
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DATE: 03-22-2024

JOB NUMBER:
257-014

SHEET: **P212**



1 PLUMBING ROUGH-IN MEASUREMENTS FOR WASHING MACHINE DETAIL
P301 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:		
EW-C-1: FIXTURE: SELF-CONTAINED, ELECTRIC REFRIGERATED, BI-LEVEL, WALL-MOUNTED WATER COOLER DESIGNED FOR READY ACCESSIBILITY BY THE HANDICAPPED. PROVIDE STAINLESS STEEL PANELS AND PUMP/UNIT ACTIVATED, VANDAL-RESISTANT BUBBLER. UNIT SHALL PROVIDE 8 GPM OF 50 DEG F WATER WITH 80 DEG F INLET WATER AT 90 DEG 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 1/2" X 18", MOUNT AT ADA HEIGHT. EXAMPLE: AMERICAN 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 4-3/8" 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 4-3/8" 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 PRIOR 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 1363BFS-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. FIXTURE: ELKAY LRA2 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 3-1/2" WITH 8" BACKSPLASH FOR MOUNT OF FAUCET. EXAMPLE: ELKAY WELBOLT WNSF OR PRE-APPROVED EQUIVALENT FAUCET: 8" CENTERSET DECKWALL MOUNT FAUCET WITH 8" SPAT AND 2-INCH LEVERS, CHROME PLATED BRASS, QUARTER TURN VALVES, AND 2 FAUCET HOLES. EXAMPLE: ENCORE KLS4 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		

DATE:
03-22-2024

JOB NUMBER:
257-014

SHEET:
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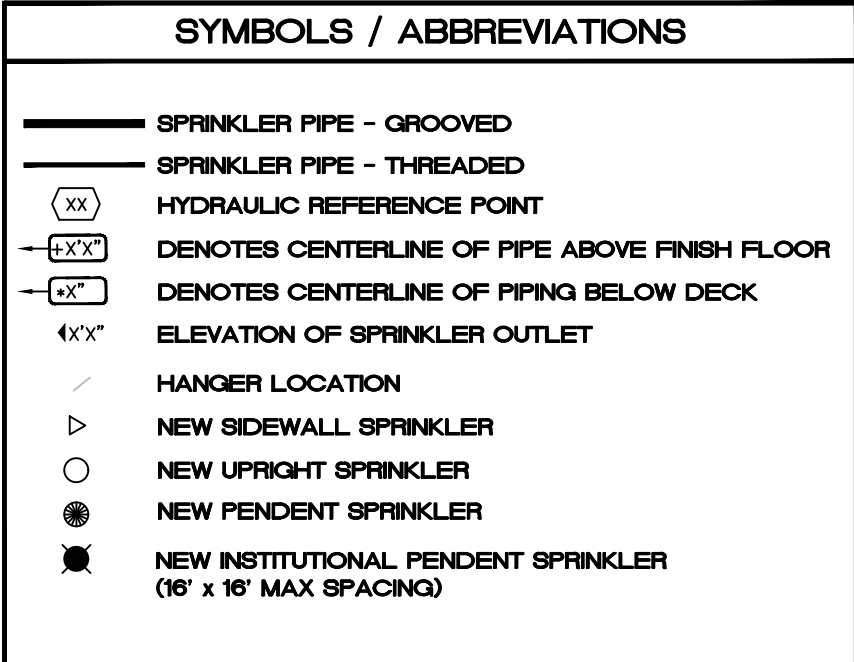
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PLUMBING SCHEDULES AND DETAILS

DRAWN: A.J.L.
DESIGNED: A.J.L.
CHECKED: DMS
PROJ. MGR: M.M.

BY: KPE
DESCRIPTION: BD SET
NO. 0
DATE: 03-22-2024

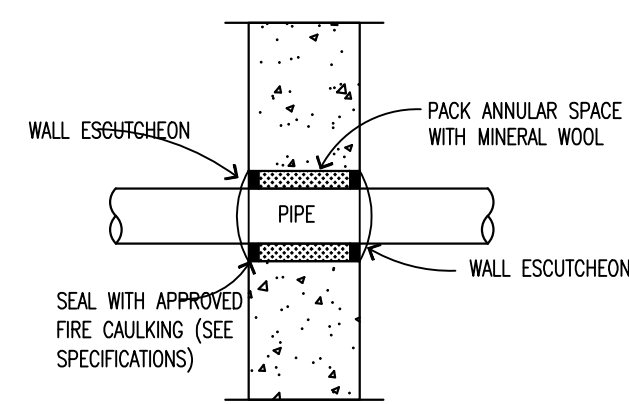
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KEY NOTES

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.

NORTH

A circular compass rose with a black border. It features four white arrows pointing towards the cardinal directions: North (top), South (bottom), East (right), and West (left). The word "NORTH" is printed in black capital letters above the North arrow.

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



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. VERIFY 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.
14. NO SPRINKLER PROTECTION IS TO BE INSTALLED WITHIN THE ENTRY VESIBULE E101 FOR THE NEW ELEVATOR. TO SPRINKLER IT WOULD REQUIRE ROUTING PIPING THROUGH THE ELEVATOR SHAFT. TO AVOID THIS CONFLICT AND BECAUSE THIS AREA IS OF NONCOMBUSTIBLE CONSTRUCTION PROTECTION IS BEING OMITTED.

HAZARD CLASSIFCATIONS (PER NFPA 13)

LIGHT HAZARD: PER NFPA 13 PLUS 100GPM HOSE STREAM

ORDINARY HAZARD GROUP 1: PER NFPA 13 PLUS 250GPM HOSE STREAM

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	RPT	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"	—	—	—

DHS CHIMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

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

FLOOR PLAN - BASEMENT LEVEL

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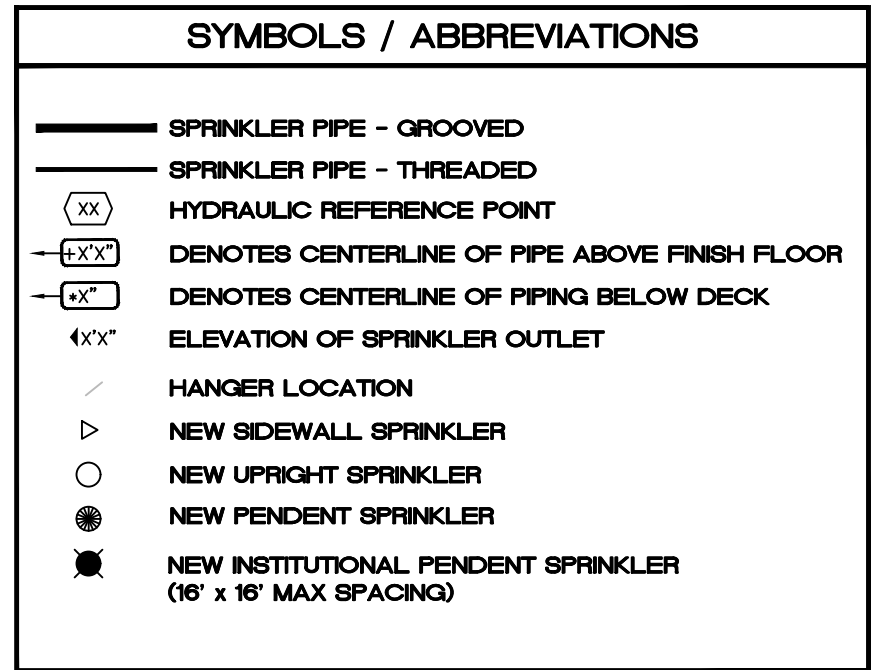
KPE
ARCHITECTURE
ENGINEERING
FORENSICS

DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	FP-01



SUMMIT
FIRE CONSULTING

575 MINNEHAHA AVE WEST, ST. PAUL MN 55103
PHONE (651) 251-1880 FAX (651) 251-1881
MINNESOTA STATE LICENSE NUMBER: C-075



- | 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. |
| 4. | NO SPRINKLER TO BE INSTALLED IN THE NONCOMBUSTIBLE ENTRY VESTIBULE. |

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" 



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. VERIFY 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.
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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.
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 - 9.7. PAINTING OF EXPOSED PIPE TO BE BY DIVISION 9.
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11. SPRINKLERS:
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 - 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:
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 - 13.2. TEST CONDUCTED BY: SUMMIT FIRE CONSULTING DATE: 10/05/2022
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 - 13.4. HOSE ALLOWANCES SHALL BE TAKEN AT THIS SAME EFFECTIVE POINT.
14. NO SPRINKLER PROTECTION IS TO BE INSTALLED WITHIN THE ENTRY VESIBULE E101 FOR THE NEW ELEVATOR. TO SPRINKLER IT WOULD REQUIRE ROUTING PIPING THROUGH THE ELEVATOR SHAFT. TO AVOID THIS CONFLICT AND BECAUSE THIS AREA IS OF NONCOMBUSTIBLE CONSTRUCTION PROTECTION IS BEING OMITTED.

HAZARD CLASSIFICATIONS (PER NFPA 13)

LIGHT HAZARD: PER NFPA 13 PLUS 100GPM HOSE STREAM

ORDINARY HAZARD GROUP 1: PER NFPA 13 PLUS 250GPM HOSE STREAM

ORDINARY HAZARD GROUP 2: PER NFPA 13 PLUS 250GPM HOSE STREAM

NOTE: AREAS WITHOUT DESIGNATION TO BE LIGHT HAZARD

SYM	QTY	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"	-	-	-

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	03-22-2024	0	BID SET	KPE PROJECT MANAGER
				CHECKED: JMS
				DESIGNED: TDS
				DRAWN: TDS

DHS CHMHI VOLDENG BUILDING REMODEL (DAS #9283.00)

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1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012

FLOOR PLAN - FIRST LEVEL

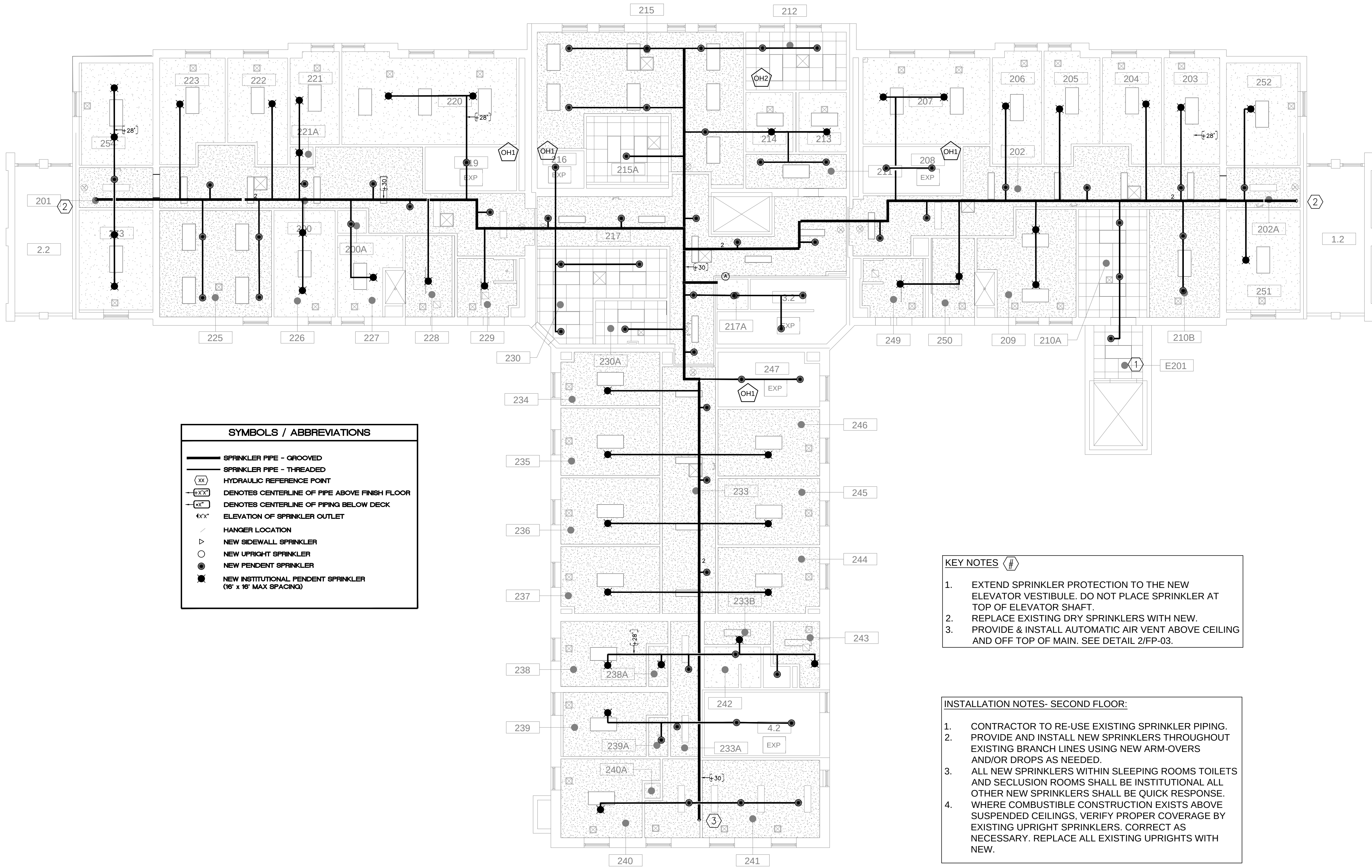
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DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	FP-02



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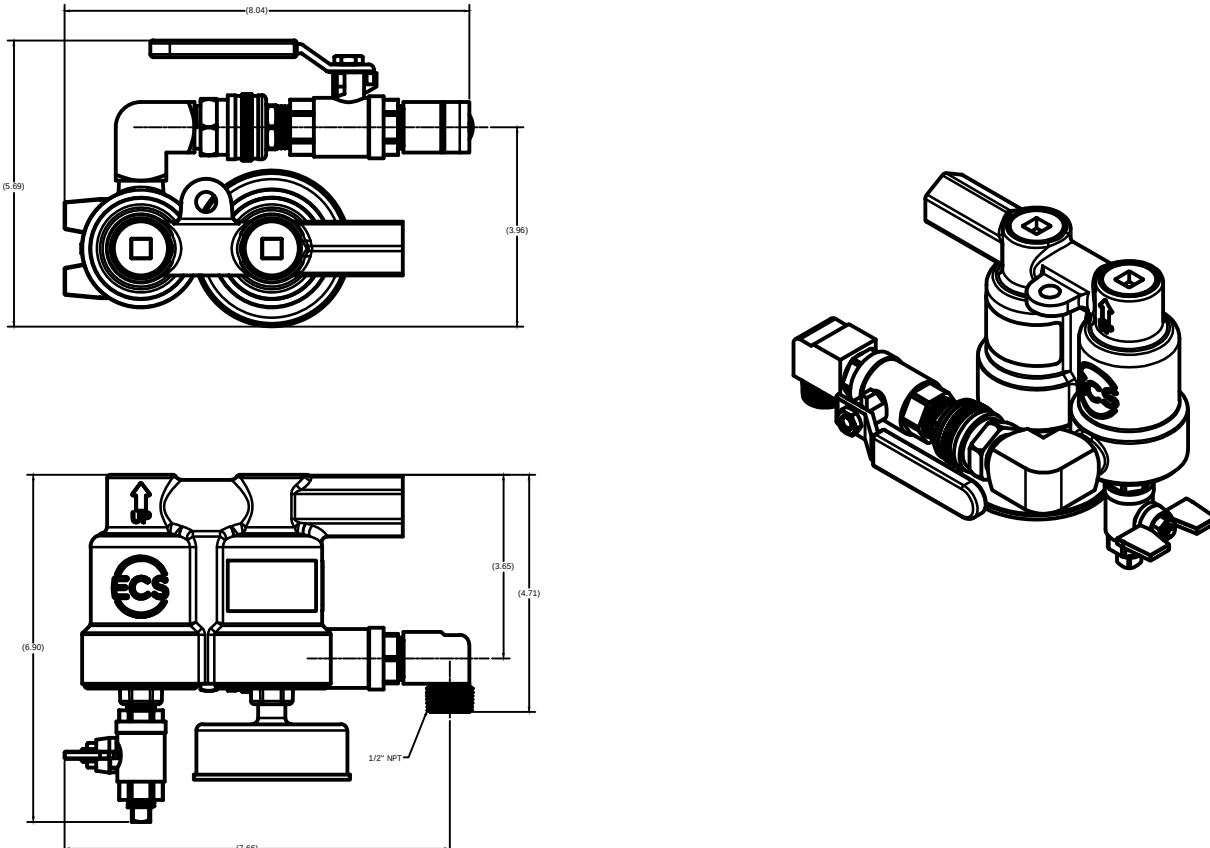


SYMBOLS / ABBREVIATIONS	
	SPRINKLER PIPE - GROOVED
	SPRINKLER PIPE - THREADED
	HYDRAULIC REFERENCE POINT
	DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR
	DENOTES CENTERLINE OF PIPING BELOW DECK
	ELEVATION OF SPRINKLER OUTLET
	HANGER LOCATION
	NEW SIDEWALL SPRINKLER
	NEW UPRIGHT SPRINKLER
	NEW PENDENT SPRINKLER
	NEW INSTITUTIONAL PENDENT SPRINKLER (16" x 16" MAX SPACING)

- 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. WHERE COMBUSTIBLE CONSTRUCTION EXISTS ABOVE SUSPENDED CEILINGS, VERIFY PROPER COVERAGE BY EXISTING UPRIGHT SPRINKLERS. CORRECT AS NECESSARY. REPLACE ALL EXISTING UPRIGHTS WITH NEW.
 - 4.

1 SECOND FLOOR FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"
0' 4' 8' 12' 16'



2 AUTOMATIC AIR VENT DETAIL
NTS

- 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. VERIFY 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. 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.
 14. NO SPRINKLER PROTECTION IS TO BE INSTALLED WITHIN THE ENTRY VESIBULE E101 FOR THE NEW ELEVATOR. TO SPRINKLER IT WOULD REQUIRE ROUTING PIPING THROUGH THE ELEVATOR SHAFT. TO AVOID THIS CONFLICT AND BECAUSE THIS AREA IS OF NONCOMBUSTIBLE CONSTRUCTION PROTECTION IS BEING OMITTED.

HAZARD CLASSIFICATIONS (PER NFPA 13)

LIGHT HAZARD: PER NFPA 13 PLUS 100GPM HOSE STREAM

ORDINARY HAZARD GROUP 1: PER NFPA 13 PLUS 250GPM HOSE STREAM

ORDINARY HAZARD GROUP 2: PER NFPA 13 PLUS 250GPM HOSE STREAM

NOTE: AREAS WITHOUT DESIGNATION TO BE LIGHT HAZARD

SPRINKLER HEADS							
SYM	QNT	POSITION	FINISH	TEMP	K	NPT	SIN
○	+	UPP	WHITE	165	5.60	1/2"	-
●	-	PEND	WHITE/CONCEALED	165	5.60	1/2"	-
■	-	INSTITUTION	WHITE/CONCEALED	165	5.60	1/2"	-

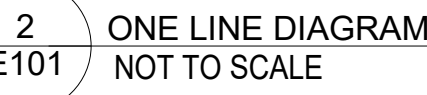
NEC DEMAND LOAD SUMMARY						
LOAD TYPE	POWER			DEM.	CALC.	
	KW	FAC.	KVA		FAC.	LOAD
INC=INCAND. LTG	0.00	1.00	0.00	1.25	0.00	
LTG=(HID,FL.CFL,LED)	23.97	0.95	25.23	1.25	31.54	
REC=RECEPTACLES	9.50	0.95	10.00	1.00	10.00	
Over 10KVA	22.80	0.95	24.00	0.50	12.00	
MO=MOOTORS	0.00	1.11	0.80	2.63	1.00	2.63
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	

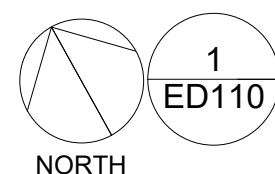
EST. MAX. NEC DEM.: 231.4 KVA
EST. MAX. NEC DEM.: 642.4 AMPS
MINIMUM OCPD: 642.4 AMPS

1. GENERAL ELECTRICAL NOTES:
 - 1. ALL DIMENSIONS 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 CONDUIT AND CABLE RECORDS, AND MAINTAIN AWARENESS 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 INDICATED CALCULATED AVAILABLE FAULT-CURRENT IN AMP(S) (A.I.C.) ALL DISTRIBUTION EQUIPMENT SHALL EXCEED THESE MINIMUMS. CONTACT ENGINEER WITH CONFLICT OR LACK OF CLARITY FOR CONFLICT PRIOR TO BIDDING.
 - 6. ELLIPTICAL TAGS INDICATE FEEDER CONDUCTOR SIZE REQUIRED. SEE CONDUIT 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 PANELS. EXISTING DIFFERERS FROM WHAT IS SHOWN ON PLANS, NOTIFY ENGINEER.

1. **DEMOLITION ONE LINE DIAGRAM KEYNOTES:**
DISCONNECT AND REMOVE EXISTING PANELBOARD. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 11 SHALL BE RELOCATED TO NEW PANEL 11 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 12B SHALL BE RELOCATED TO NEW PANEL 12B 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 16 SHALL BE RELOCATED TO NEW PANEL 16 IN SAME LOCATION. 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 UPSTAIRS ELEVATOR. SEE NEW WORK ONE LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
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.**

1. LINE DIAGRAM KEYNOTES:
 - PROVIDE NEW CIRCUIT BREAKER IN MIDDLE SPACE BY DEMOLITION OF EXISTING CIRCUIT BREAKER. SEE NEW WORK PLANS FOR EXISTING SWITCHBOARD A.I.C. RATING.
 - PROVIDE NEW CIRCUIT BREAKER IN EXISTING SPACE. NEW BREAKER TO MATCH EXISTING SWITCHBOARD A.I.C. RATING.
 - CONNECT NEW FEEDER TO EXISTING BREAKER.
2. PROVIDE NEW PULLBOX FOR SPUNCS OF EXISTING FEEDER WITH NEW FEEDER. COORDINATE PULL BOX SIZE WITH FIELD CONDITIONS PRIOR TO ROUGH-IN. SEE NEW WORK DRAWINGS FOR MORE INFORMATION.
3. PROVIDE NEW PANELBOARD IN SAME LOCATION AS DEMOLISHED PANEL. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED SPACE ARE TO BE RELOCATED TO NEW PANEL. PANEL 12/21 IN RELOCATION. 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.
4. PROVIDE NEW PANELBOARD IN SAME LOCATION AS DEMOLISHED PANEL. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 12/28 SHALL BE RELOCATED TO NEW PANEL. 12/28 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.
5. PROVIDE NEW PANELBOARD. EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN IN DEMOLISHED PANEL 12/21 SHALL BE RELOCATED TO NEW PANEL 12/21 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.
6. RE-ALIAS EXISTING BREAKER THAT IS REMAINING FROM DEMOLISHED EQUIPMENT AS 'SPARE'.
7. AS A PART OF ALTERNATE #1: DUCTUAT ALL FEED IN DASHED AREA FROM BID.
8. 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.
9. PROVIDE NEW MAIN BONDING JUMPER SIZED PER NEC TABLE 250.66.
10. PROVIDE NEW 200A FEEDER FROM 'SED-1' TO NEW 'SNOW' PANEL. COORDINATE ROUTING OF FEEDER WITH EXISTING FIELD CONDITIONS PRIOR TO ROUGH-IN.
11. PROVIDE NEW PANELBOARD FOR SERVING NEW EXTERIOR SNOWMELT SYSTEM. SEE NEW WORK PLANS FOR MORE INFORMATION.

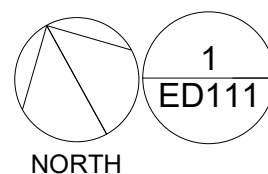




DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	ED110

			DRAWN:	JDS
			DESIGNED:	JDS
			CHECKED:	PJS
03-22-2024	0	BD SET	RPE	MJM

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GENERAL ELECTRICAL NOTES:

1. ANY EXISTING CONDITIONS INDICATED ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE UNIDENTIFIED VARIATION. 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 REQUIRED TO BID AND START OF THE PROJECT.
3. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING ELECTRICAL DEVICES AND LUMINAIRES AS INDICATED AND/OR AS REQUIRED TO ALLOW FOR INSTALLATION AND CONSTRUCTION OF THE NEW WORK. REMOVE ALL EQUIPMENT, DEVICES, LUMINAIRES, AND SUPPORTS. HANGERS 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, CONDUIT RUNS, SUPPORTS, AND HANGERS. ITEMS NOT DASHED 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 REMOVED IN PLACE. ITEMS NOT DASHED OTHERWISE, PATCHED, OR PROVIDED WITH BLANK COVERPLATE, AND THE CONDUCTORS ARE REMOVED.
6. THE OWNER SHALL HAVE FIRST SALVAGE RIGHT ON ALL DEMOLISHED EQUIPMENT, DEVICES, LUMINAIRES, AND MATERIALS. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEMOLISHED EQUIPMENT, DEVICES, LUMINAIRES, AND MATERIALS THE OWNER REQUESTS.
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 TO BE RELOCATED. LUMINAIRES TO BE RELOCATED MUST BE DISCONNECTED FROM EXISTING BRANCH CIRCUIT, REMOVED FROM EXISTING AREA, STORED, REPAIRED TO A GOOD WORKING CONDITION, AND THEN RELOCATED 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 UNSHOWN ON DRAWINGS.
11. ALL EXISTING FIRE ALARM CONDUIT, AND CABLEING TO BE REMOVED TO THE EXISTING BUILDING. SEE ABOVE NOTES FOR RECESSED BOXES AND RACEWAYS.

- 1 DISCONNECT AND REMOVE EXISTING FIRE ALARM INITIATION OR
NOTIFICATION APPLIANCE. REMOVE RACEWAYS AND CABLEING BACK TO FIRE
ALARM PANEL, OR NEAREST CONNECTION POINT UNLESS NOTED
OTHERWISE.
- 2 DISCONNECT AND REMOVE EXISTING SMOKE OR HEAT DETECTOR. REMOVE
RACEWAYS AND CABLEING BACK TO DETECTOR, OR NEAREST CONNECTION
POINT UNLESS NOTED OTHERWISE.
- 3 DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL LOADS THAT ARE
SYSTEMS. REMAIN SHALL BE IDENTIFIED BY THE CONTRACTOR. PROVIDE
A CLEAR LOCATION, SEE ONE LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- 4 DISCONNECT AND REMOVE EXISTING FIRE ALARM CONTROL, IF
EXISTING POWER SUPPLY. REMOVE RACEWAYS AND CONDUCTORS
BACK TO NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.
- 5 DISCONNECT AND REMOVE EXISTING EXISTING EXISTING EXISTING
RACEWAYS AND CONDUCTORS. REMOVE RACEWAYS AND CONDUCTORS
BACK TO NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.
- 6 DISCONNECT AND REMOVE EXISTING EXISTING EXISTING EXISTING
RACEWAYS AND SWITCHES/CONDUCTORS. REMOVE RACEWAYS AND
CONDUCTORS BACK TO SOURCE PANEL OR NEAREST CONNECTION POINT
UNLESS NOTED OTHERWISE.
- 7 REMOVE EXISTING SYSTEMS DEVICE. COVER/PLATE, JUNCTION BOX,
RACEWAYS AND CABLEING. REMOVE RACEWAYS AND CABLEING BACK TO
SOURCE PANEL OR NEAREST CONNECTION POINT UNLESS NOTED
OTHERWISE.
- 8 DISCONNECT EXISTING LUMINAIRE AND REMOVE FROM SITE. DISPOSE OF LAMPS
AND BALLASTS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE,
AND FEDERAL REGULATIONS. REMOVE EXISTING CONDUITS TO SWITCHES AND TO
LUMINAIRES. HOWEVER RACEWAYS MAY BE REUSED AT CONTRACTOR'S
DISCRETION.
- 9 DISCONNECT AND REMOVE EXISTING DUST SMOKE DETECTOR. REMOVE
RACEWAYS AND CABLEING BACK TO DETECTOR, OR NEAREST PANEL,
OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.

		DRAWN:	JDS
		DESIGNED:	JDS
		CHECKED:	PDS
03-23-2024	0	BID SET DESCRIPTION	MPE PROJ. MGRS: BY
DATE	NO.		

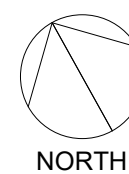
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VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
1251 W. CEDAR LOOP, CHEROKEE, IOWA 51012
ELECTRICAL DEMOLITION PLAN - FIRST LEVEL

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PHONE: (402) 291-1444
TOLL FREE: (888) 484-4939
WWW.KPE-INC.COM



DATE:	03-22-2024
JOB NUMBER:	257-014
SHEET:	ED111



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

REVISIONS	
1	DISCONNECT AND REMOVE EXISTING FIRE ALARM INITIATION OR NOTIFICATION APPLIANCE. REMOVE RACEWAYS AND CABLEING BACK TO FIRE ALARM PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.
2	DISCONNECT AND REMOVE EXISTING SMOKE OR HEAT DETECTOR. REMOVE RACEWAYS AND CABLEING 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 SWITCHES AND CONDUCTORS. REMOVE 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 LAMP AND BALLASTS IN ACCORDANCE WITH ALL HAZARDOUS WASTE REMOVAL REQUIREMENTS. REMOVE EXISTING CONDUCTORS TO SWITCHES AND TO SOURCE PANEL. HOME RUN 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 TO REMAIN. 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 TO REMAIN. REMAIN SHALL BE RELOCATED TO NEW PANEL. L2B PROVIDED IN NEARBY LOCATION. SEE ONE LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
9	DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL LOADS THAT ARE TO REMAIN. REMAIN SHALL BE RELOCATED TO NEW PANEL. L2C PROVIDED IN NEARBY LOCATION. SEE ONE LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
10	DISCONNECT AND REMOVE EXISTING DUST SMOKE DETECTOR. REMOVE CONDUCTORS AND CABLEING BACK TO DETECTOR PANEL OR NEAREST CONNECTION POINT UNLESS NOTED OTHERWISE.
11	DISCONNECT POWER TO EXHAUST FAN FOR RELOCATION OF FAN. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO START OF WORK.

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VOLDENG BUILDING RENOVATIONS

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ELECTRICAL DEMOLITION PLAN - SECOND LEVEL

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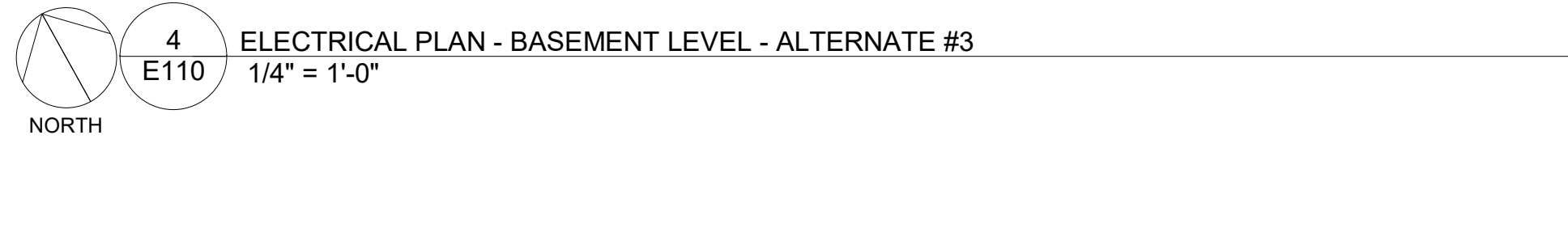


DATE: 03-22-2024

JOB NUMBER:
257-014

SHEET: **ED112**

4
E110
ELECTRICAL PLAN - BASEMENT LEVEL - ALTERNATE #3
1/4" = 1'-0"



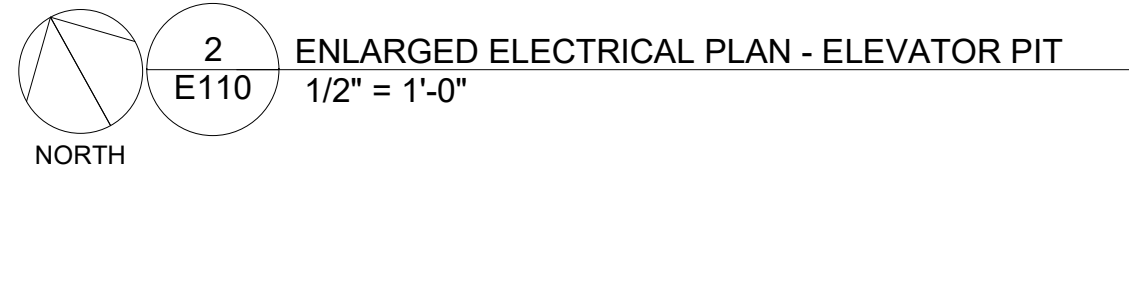
SECURITY CAMERA SCHEDULE

MARK	MANUFACTURER	MODEL	QUANTITY
A	AXIS	Q6315-LE	6
B	AXIS	P2307A-VE	6
C	AXIS	M3086-V	31
D	AXIS	M3215-LVE	66
E	AXIS	M318-PLVE	8
F	AXIS	Q2016-SLV-STEEL	3
G	AXIS	M3085-V	2
H	AXIS	P4705-PLVE	3

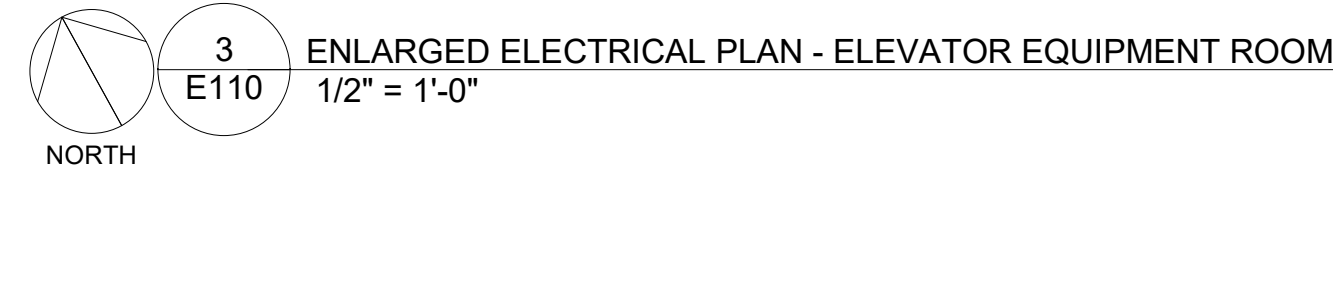
SCHEDULE NOTES:

- CONTRACTOR TO VERIFY MOUNTING HARDWARE WITH FIELD CONDITIONS, AND DESIRED LOCATION PRIOR TO ORDERING OF EQUIPMENT.
- CONTRACTOR TO VERIFY CAMERA TYPE WILL OPERATE WITH OWNER PROVIDED CAMERA HEAD AND SYSTEM EQUIPMENT PRIOR TO ORDERING OF EQUIPMENT.
- COORDINATE ALL CAMERA AIMING WITH OWNER AFTER INSTALLATION, AND PRIOR TO TURNING SYSTEM OVER.

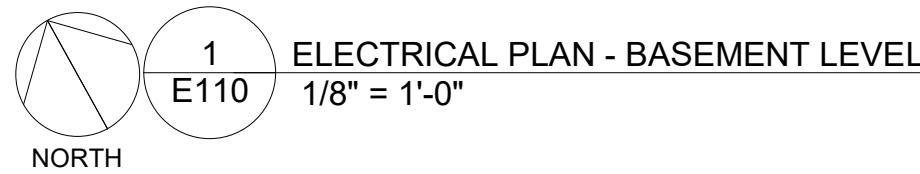
2
E110
ENLARGED ELECTRICAL PLAN - ELEVATOR PIT
1/2" = 1'-0"



3
E110
ENLARGED ELECTRICAL PLAN - ELEVATOR EQUIPMENT ROOM
1/2" = 1'-0"



1
E110
ELECTRICAL PLAN - BASEMENT LEVEL
1/8" = 1'-0"



GENERAL ELECTRICAL NOTES:

- 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.
- 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.
- LIGHT-LINED ITEMS ARE EXISTING TO REMAIN, WITH REQUIREMENTS AS NOTED. HEAVY-LINED ITEMS INDICATE NEW WORK AS INDICATED.
- MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
- LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE. ALL EXISTING LUMINAIRES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PREPARED TO A LIKE-NEW CONDITION, THOROUGHLY CLEANED, AND RELAMPED.
- ALL CEILING AND WALL MOUNTED OCCUPANCY SENSORS SHOWN ON LIGHTING PLAN SHALL BE DUAL-TECHNOLOGY TYPE.
- 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.
- ALL LIGHT FIXTURES AND PENETRATIONS IN CORRIDOR, BEDROOMS, AND DAYROOMS ARE TO BE SEALED SMOKE TIGHT.

KEYNOTES

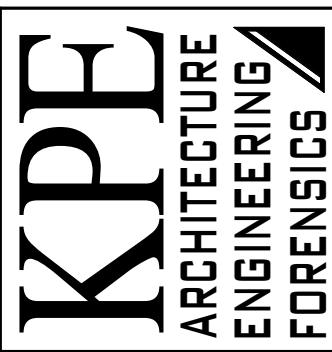
- PROVIDE DEAD-FRONT GFCI DEVICE AND ASSOCIATED RECEPTACLE, IF APPLICABLE. PROVIDE PASS & SEYMOUR DEAD-FRONT REMOTE GFCI DEVICE, #2048H OR APPROVED EQUAL, MOUNT IN AN ACCESSIBLE AREA. PROVIDE CONNECTIONS AS INDICATED. PROVIDE COVERPLATE WITH "H" ENGRAVED AND INKED LETTERS TO IDENTIFY EQUIPMENT SERVED. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 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.
- 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 1E111 FOR CONTINUATION AND CONDENSER LOCATION.
- 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 1E111 FOR CONTINUATION AND CONDENSER LOCATION.
- CIRCUIT NEW RECEPTACLE TO EXISTING CIRCUIT THAT SERVED SPACE PRIOR TO DEMOLITION. EXTEND EXISTING RACEWAY, AND CONDUCTORS AS NECESSARY FOR COMPLETE INSTALLATION.
- 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.
- PROVIDE MOTOR-RATED SWITCH AT +42" ABOVE BOTTOM LANDING FLOOR LEVEL FOR SUMP PUMP CONTROL. PROVIDE ADJACENT TO PIT LIGHT SWITCH.
- 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.
- 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.
- 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.
- 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.
- PROVIDE HEAT DETECTOR MOUNTED WITHIN 2'-0" OF THE FIRE SPRINKLER HEAD IN ELEVATOR MACHINE ROOM.
- 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.
- 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.
- 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.
- PROVIDE ROUGH-IN FOR SECURITY SURVEILLANCE CAMERA. COORDINATE ALL REQUIREMENTS, AIMING, AND EXACT LOCATION WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLEING AT NEAREST IT RACK PATCH PANEL. SEE ACCESS CONTROL DOOR DETAIL 2650 FOR ADDITIONAL INFORMATION.
- 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.

VOLDENG BUILDING RENOVATIONS

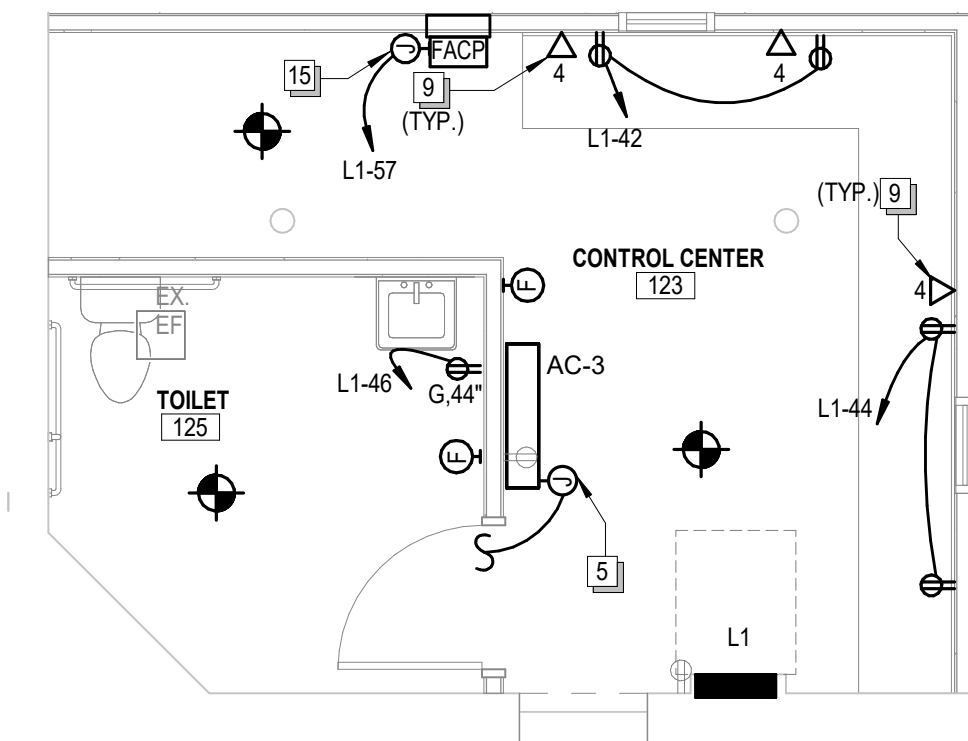
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ELECTRICAL PLAN - BASEMENT LEVEL

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  **ENLARGED ELECTRICAL PLAN - CONTROL CENTER**
1/4" = 1'-0"

- [illegible]

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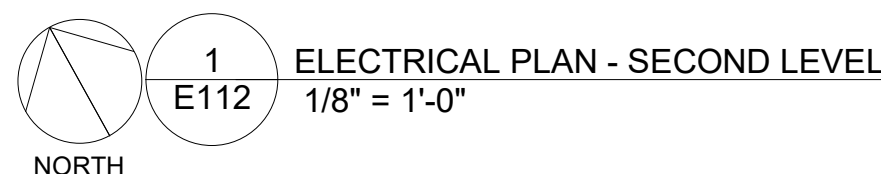
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- 1 PROVIDE DEAD-FRONT GFI DEVICE AND ASSOCIATED RECEPTACLE, IF APPLICABLE. PROVIDE PASS & SEYMOUR DEAD-FRONT REMOTE GFI FOR REFRIGERATOR OR APPROXIMATE EQUIPMENT LOCATION. PROVIDE AREA PROVIDE CONNECTIONS AS INDICATED. PROVIDE COVER-PLATE WITH 1/4" ENGRAVED AND KNEELED LETTERS TO IDENTIFY EQUIPMENT OWNER. PROVIDE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNERS PRIOR TO ROUGH-IN.
- 2 PROVIDE ROUGH-IN FOR SECURITY CARD READER AND ASSOCIATED SECURITY CARD CONTACT LOCKS. COORDINATE ALL REQUIREMENTS WITH OWNER AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLES AT NEAREST IT RACK PATCH PANEL. SEE ACCESS CONTROL, DOOR DETAIL, 356901 FOR ADDITIONAL INFORMATION.
- 3 DISCONNECT SWITCH IS TO BE 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 CABLEING TO NEW DATA DROP LOCATION. SEE NUMBER BY DEVICE FOR NUMBER OF CABLES AND DROPS NEEDED AT LOCATION. PROVIDE CABLEING AT NEAREST IT RACK PATCH PANEL. TERMINATE CABLES AT NEAREST IT RACK PATCH PANEL. SEE ACCESS CONTROL, DOOR DETAIL, 356901 FOR ADDITIONAL INFORMATION.
- 5 COORDINATE FINAL MOUNTING LOCATION OF RECEPTACLE WITH OWNER FOR PROVIDING POWER TO WALL MOUNTED SERVER RACK.
- 6 PROVIDE RACK MOUNTING FOR SERVER RACKS. COORDINATE ALL REQUIREMENTS, AIMING, AND EXACT LOCATION WITH SECURITY VENDOR AND OWNER PRIOR TO ROUGH-IN. TERMINATE CABLES AT NEAREST IT RACK PATCH PANEL. SEE SECURITY CAMERA SCHEDULE FOR MORE INFORMATION.
- 7 DETECT SMOKE DETECTOR AND RELAY FOR HVAC UNIT SUPPLY FAN SHUTDOWN SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR FOR RELAY. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE SMOKE DETECTOR. CONTRACTOR SHALL ALSO PROVIDE A REMOTE YET TESTED FAN WITH SMOKE DETECTOR ANNUNCIATOR. PROVIDE DETECTOR IN THE SAME AREA IN A CONCEALED LOCATION GREATER THAN 14" ABOVE FINISH FLOOR WITH OR WHEN DUCT SMOKE DETECTOR STATUS INDICATORS ARE NOT READILY ACCESSIBLE. TERMINATE CABLES AT NEAREST IT RACK PATCH PANEL. PROVIDE JURISDICTION AND OWNER PRIOR TO ROUGH-IN. FINAL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.
- 8 CIRCUIT NEW RECEPTACLE TO EXISTING CIRCUIT THAT SERVED SPACE HEATING, VENTILATION, AND AIR CONDITIONING, AND CONDUCTORS AS NECESSARY FOR COMPLETE INSTALLATION.
- 9 SEE ELECTRIC WATER COOLER DETAIL, 356901 FOR ADDITIONAL INFORMATION.
- 10 PROVIDE PULLBOX MOUNTED IN FURRED OUT WALL FOR EXTENSION OF EXISTING DEDICATED FROM DEMOLISHED PANEL LOCATION TO NEW PANEL. L2 LOCATION. COORDINATE FINAL SIZE OF PULLBOX WITH EXISTING ELECTRICAL CONTRACTOR. PROVIDE ONE-LINE DIAGRAM FOR MORE INFORMATION.
- 11 PROVIDE 4" PENETRATION SLEEVE FROM FIRST FLOOR SERVER RACK TO SECOND FLOOR SERVER RACK. PROVIDE SLEEVE TO BE 4" ABOVE FINISH FLOOR WITH EXISTING FIELD CONDITIONS AND PLANNED NEW WORK PRIOR TO ROUGH-COORDINATE MOUNTING HEIGHTS AND TERMINATION POINTS PRIOR TO ROUGH-IN. WALL & FLOOR FINISHES SHALL BE COMPLETED PRIOR TO COORDINATE ALL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
- 12 PROVIDE ONE(1) 42 U POST SERVER RACK FOR HOUSING OF OWNER PROVIDED SERVER EQUIPMENT. PROVIDE ONE(1) 42 U POST SERVER RACK REQUIREMENTS AND FINAL MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 13 CONNECT RELOCATED EXHAUST FAN TO BRANCH CIRCUIT THAT SERVED UNIT. PROVIDE RELOCATION COORDINATE WITH MECHANICAL CONTRACTOR WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. EXTEND EXISTING RACEWAY, AND CONDUCTORS AS NECESSARY FOR A COMPLETE INSTALLATION.

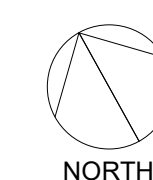
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ELECTRICAL PLAN - SECOND LEVEL

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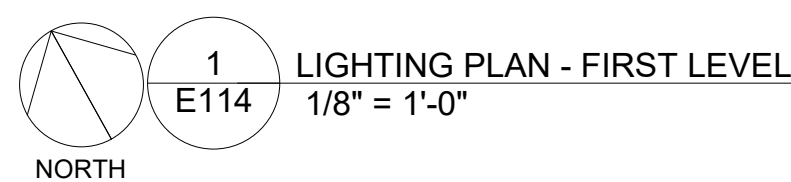


- KEYNOTES**
- 1 RECONNECT EXISTING LUMINAIRE TO EXISTING CIRCUIT SERVING THIS LUMINAIRE PRIOR TO THE LUMINAIRE'S RELOCATION.
 - 2 PROVIDE DUAL-TECHNOLOGY STYLE CEILING OR WALL MOUNTED OCCUPANCY SENSOR SWITCH.
 - 3 CONNECT NEW LUMINAIRES TO EXISTING CIRCUIT THAT PREVIOUSLY SERVED SPACE PRIOR TO DEMOLITION. EXTEND RACEWAYS AND CONDUCTORS PRIOR AS NECESSARY TO PROVIDE A COMPLETE INSTALLATION.



LIGHTING PLAN - BASEMENT LEVEL
1/8" = 1'-0"

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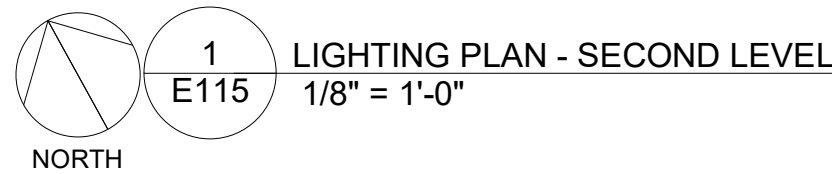


KEYNOTES

1. CONNECT NEW LUMINAIRES TO EXISTING CORD THAT PREVIOUSLY SERVED SPACE PRIOR TO DEMOLITION. EXTEND RACEWAYS AND CONDUCTORS PRIOR AS NECESSARY TO PROVIDE A COMPLETE REWIRING.
2. PROVIDE DUAL-TECHNOLOGY STYLE CEILING OR WALL MOUNTED OCCUPANCY SENSOR SWITCH.
3. PROVIDE COMPATIBLE 1-0/0 DIMMER SWITCH FOR CONTROL OF COMPATIBLE 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 TO PROVIDE INSTANTATION AND CONNECTION LIGHTING CATALOG(S) AS INDICATED IN DETAIL 9E061
5. PROVIDE LIGHTING CONTACTOR "C" FOR AUTOMATIC SHUT-OFF CONTROL OF EXISTING LIGHTING. SEE LIGHTING CONTROL, DETAIL 9E060 FOR ADDITIONAL INFORMATION.
6. COORDINATE MOUNTING OF LIGHT FIXTURE ABOVE EXTERIOR DOORWAY. FIXTURE TO BE CENTERED ABOVE DOOR.

SEE EXHAUST FAN SCHEDULE FOR EXHAUST FAN MANUAL CONTROL. O.F. FAN, SEE 11E11 FOR LOCATION OF EXHAUST FAN.

[illegible]



KEYNOTES

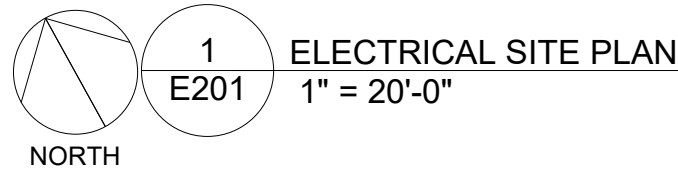
1. PROVIDE COMPATIBLE 0-10V DIMMER SWITCH FOR CONTROL OF ASSOCIATED LUMINAIRES AS SHOWN ON LIGHTING PLAN. COORDINATE LIST OF COMPATIBLE DIMMER SWITCHES WITH LIGHT FIXTURE MANUFACTURER PRIOR TO ORDERING OF MATERIALS.
2. PROVIDE DUAL-TECHNOLOGY STYLE CEILING OR WALL MOUNTED OCCUPANCY SENSOR SWITCH.
3. 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 11E112 FOR LOCATION OF EXHAUST FAN.

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				DESIGNED:	JDS
				CHECKED:	PJS
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		DESCRIPTION		BY	

VOLDENG BUILDING RENOVATIONS
CHEROKEE MENTAL HEALTH INSTITUTE
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ELECTRICAL SITE PLAN

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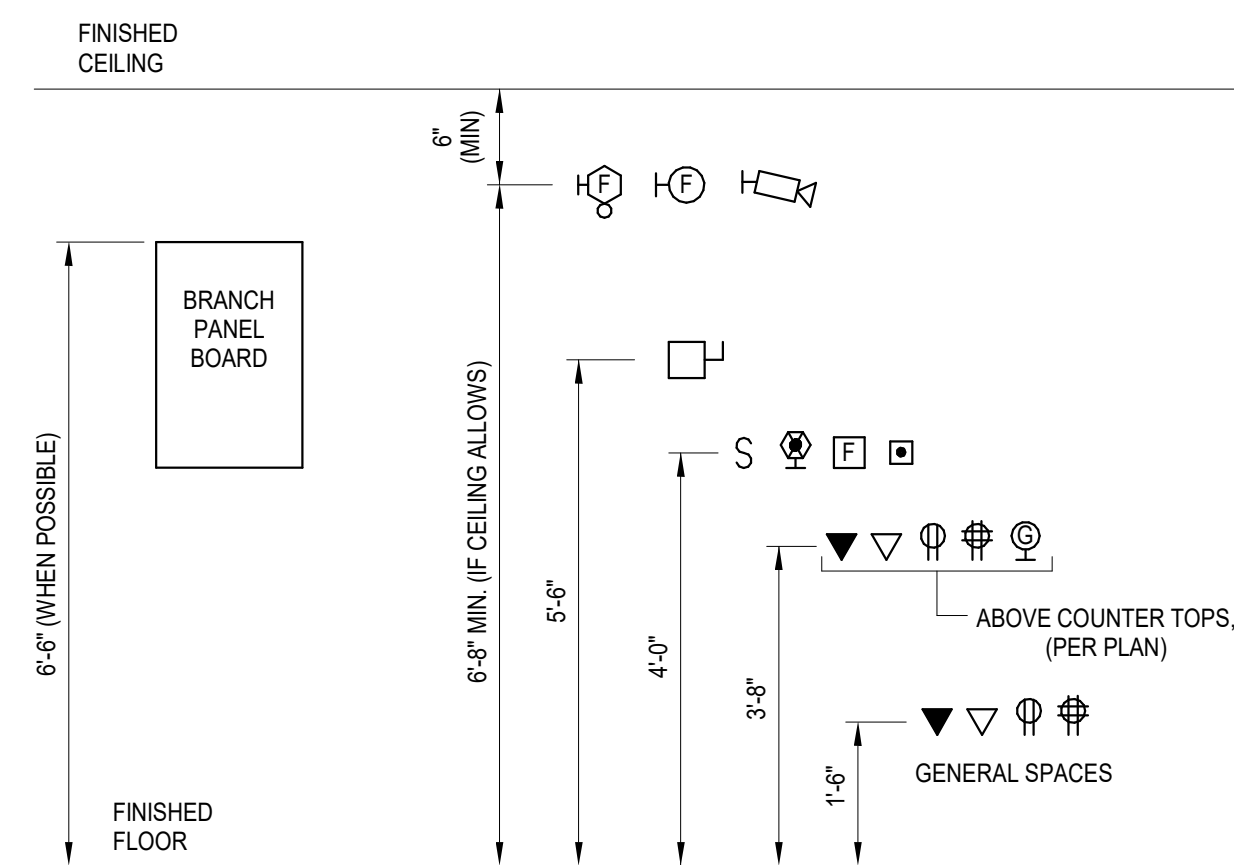
MECHANICAL EQUIPMENT CONNECTION SCHEDULE																														
MARK	GENERAL ELECTRICAL DATA										DISCONNECT			STARTER			CONTROL (NOTE 4)										NOTES			
	APPROX HP (KW)	ELEC HEAT KW	FULL LOAD AMP (FLA)	MIN CIR AMPACITY (MCA)	MAX OCPD SIZE (MOOP)	NAMERATE VOLTAGE	PHASE	FEEDER, SEE CONDUCTOR & 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. 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			VOLTAGE: 120/208 Wye					A.I.C. RATING: 22,000 A						
ENCLOSURE: NEMA 1			PHASES: 3					MAIN TYPE: MLO						
MOUNTING: SURFACE			WIRES: 4					MAIN BUS RATING: 225 A						
NO. OF POLES: 30			SUPPLIED FROM: VP1					MCB RATING: N/A						
BUS MATERIAL: COPPER														
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	--	--			180 VA 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: L2A			STATUS: New Construction			LOCATION: IT/ELECT. 216						
MANUFACTURER / TYPE: SQUARE-D, NQ			VOLTAGE: 120/208 Wye			A.I.C. RATING: 22,000 A						
ENCLOSURE: NEMA 1			PHASES: 3			MAIN TYPE: MLO						
MOUNTING: SURFACE			WIRES: 4			MAIN BUS RATING: 225 A						
NO. OF POLES: 42			SUPPLIED FROM: VP1			MCB RATING: N/A						
BUS MATERIAL: COPPER												
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		TOTAL CONN. LOAD: 18202 VA			
Lighting			4662 VA		125.00%		5828 VA		TOTAL EST. DEMAND: 19368 VA			
Lighting - Dwelling Unit			160 VA		100.00%		160 VA		TOTAL CONN. SPARE CAPACITY: 28 A			
Other			0 VA		0.00%		0 VA		TOTAL CONN. CURRENT: 51 A			
Receptacle			1620 VA		100.00%		1620 VA		TOTAL EST. DEMAND CURRENT: 54 A			
Spare			10100 VA		100.00%		10100 VA		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.												

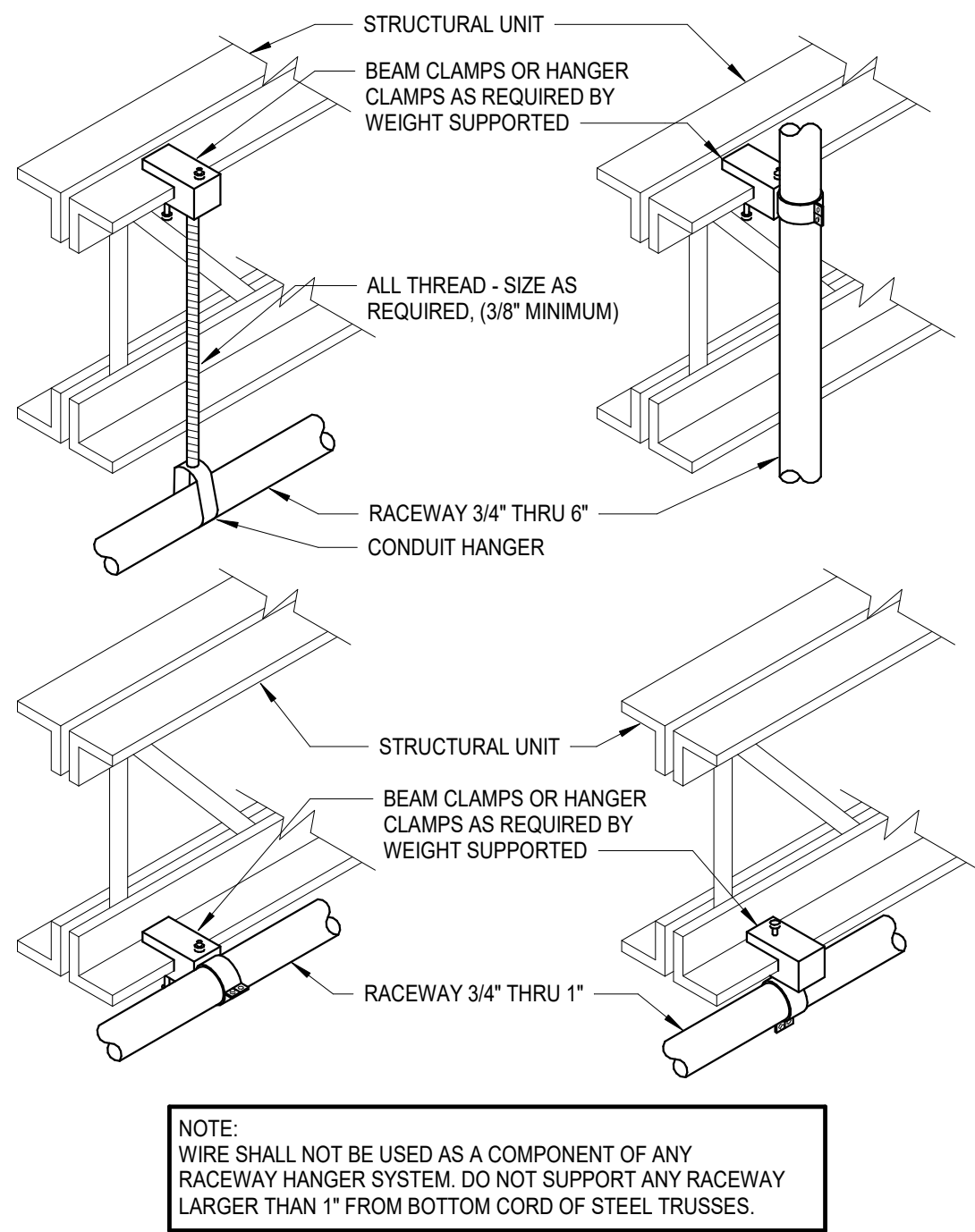
PANEL NAME: L2B			STATUS: New Construction			LOCATION: MED ROOM 230A						
MANUFACTURER / TYPE: SQUARE-D, NQ			VOLTAGE: 120/208 Wye			A.I.C. RATING: 22,000 A						
ENCLOSURE: NEMA 1			PHASES: 3			MAIN TYPE: MLO						
MOUNTING: FLUSH			WIRES: 4			MAIN BUS RATING: 225 A						
NO. OF POLES: 42			SUPPLIED FROM: VP1			MCB RATING: N/A						
BUS MATERIAL: COPPER												
CKT	CIRCUIT DESCRIPTION	NOTES	CB	POLES	A	B	C	POLES	CB	NOTES	CIRCUIT DESCRIPTION	CKT
1	MED ROOM 230A RECEPETS		20 A	1	540 VA 180 VA			1	20 A		MED ROOM 230A OMNI-CELL	2
3	OFFICE 230 SW COUNTER RECEPETS		20 A	1		360 VA 360 VA		1	20 A		OFFICE 230 NE COUNTER RECEPETS	4
5	OFFICE 230 SE RECEPETS		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		TOLLET 250 RECEPTACLE	8
9	--	--	--	--		2500... 180 VA		1	20 A		TOLLET 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			2	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		TOTAL CONNN. LOAD: 22340 VA			
Receptacle			2340 VA		100.00%		2340 VA		TOTAL EST. DEMAND: 22340 VA			
Spare			15000 VA		100.00%		15000 VA		TOTAL CONNN. SPARE CAPACITY: 42 A			
									TOTAL CONNN. CURRENT: 62 A			
									TOTAL EST. DEMAND CURRENT: 62 A			
									NON-CONCIDENTIAL HVAC: 0 A			
									TOTAL EST. DEMAND (±) NC: 62 A			
PANEL SCHEDULE NOTES:												
1. PROVIDE NEW BREAKER AS SHOWN FOR RE-CIRCUITS OF RELOCATED CIRCUITS FROM DEMOLISHED PANEL AS SHOWN. CIRCUIT TRACE EXISTING CIRCUITS TO PROPERTY 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.												



NOTES:

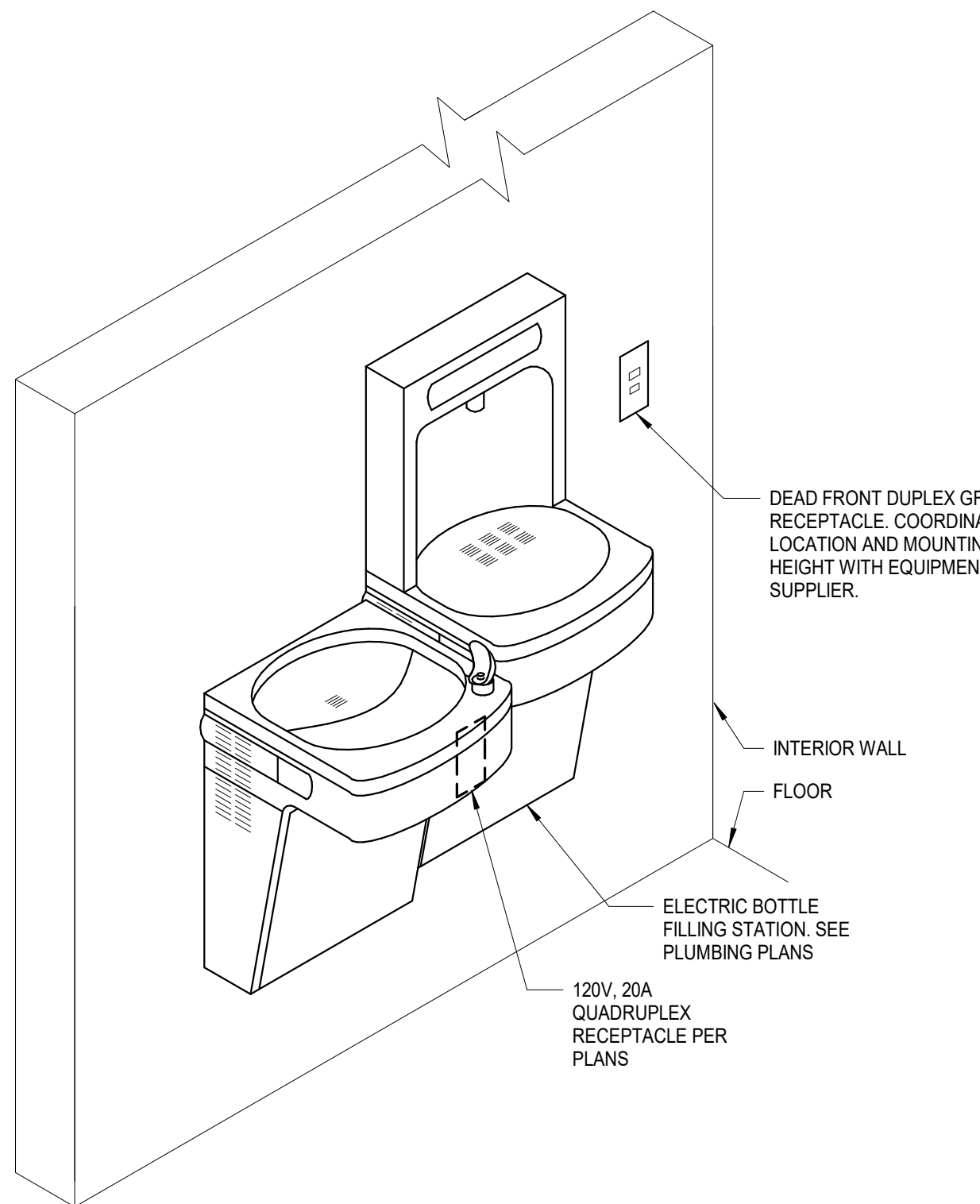
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEVICE MOUNTING HEIGHTS AND EXACT LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS. REPORT CONFLICTS TO ARCHITECT/ENGINEER "PRIOR TO ROUGH-IN".
- ALL SWITCHES TO BE MOUNTED AS CLOSE TO DOOR/LAMB AS POSSIBLE. COORDINATE ALL SWITCH LOCATIONS WITH ARCHITECTURAL PLANS AND DETAILS.
- GENERAL MOUNTING HEIGHTS ARE AS INDICATED, UNLESS NOTED OTHERWISE ON PLANS.
- MOUNTING HEIGHTS INDICATED ARE ABOVE FINISHED FLOOR TO HORIZONTAL CENTERLINE OF DEVICE, UNLESS NOTED OTHERWISE.

1
E601 TYPICAL DEVICE MOUNTING DETAIL
NOT TO SCALE

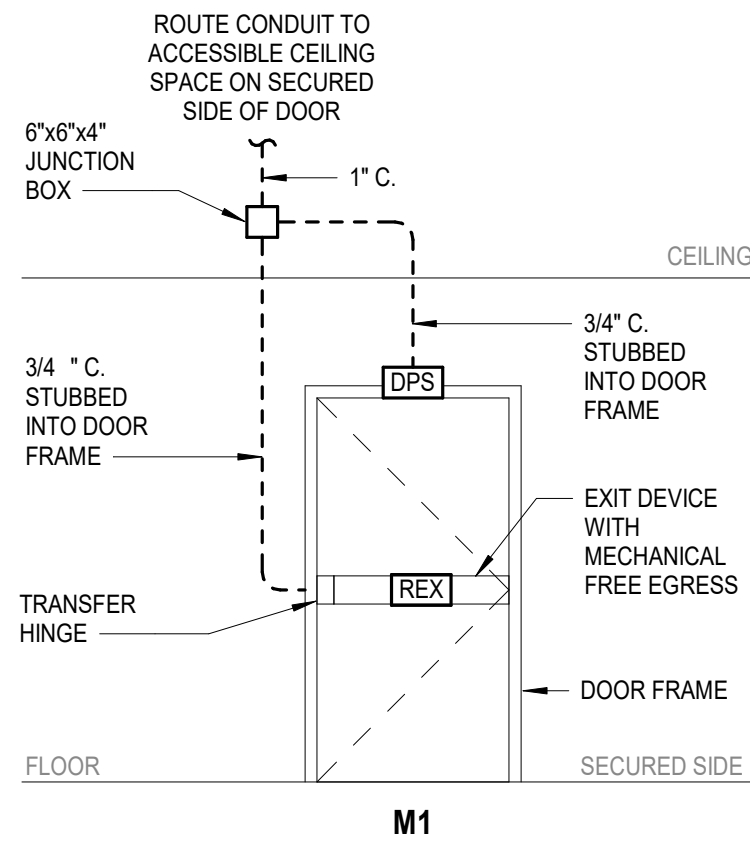
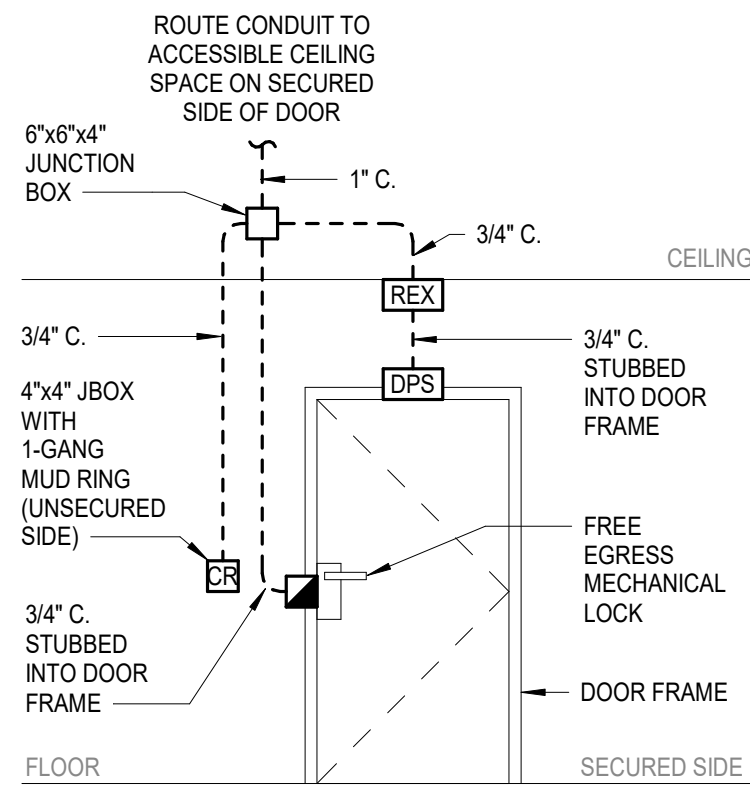


NOTE:
WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM. DO NOT SUPPORT ANY RACEWAY LARGER THAN 1" FROM BOTTOM CORD OF STEEL TRUSSES.

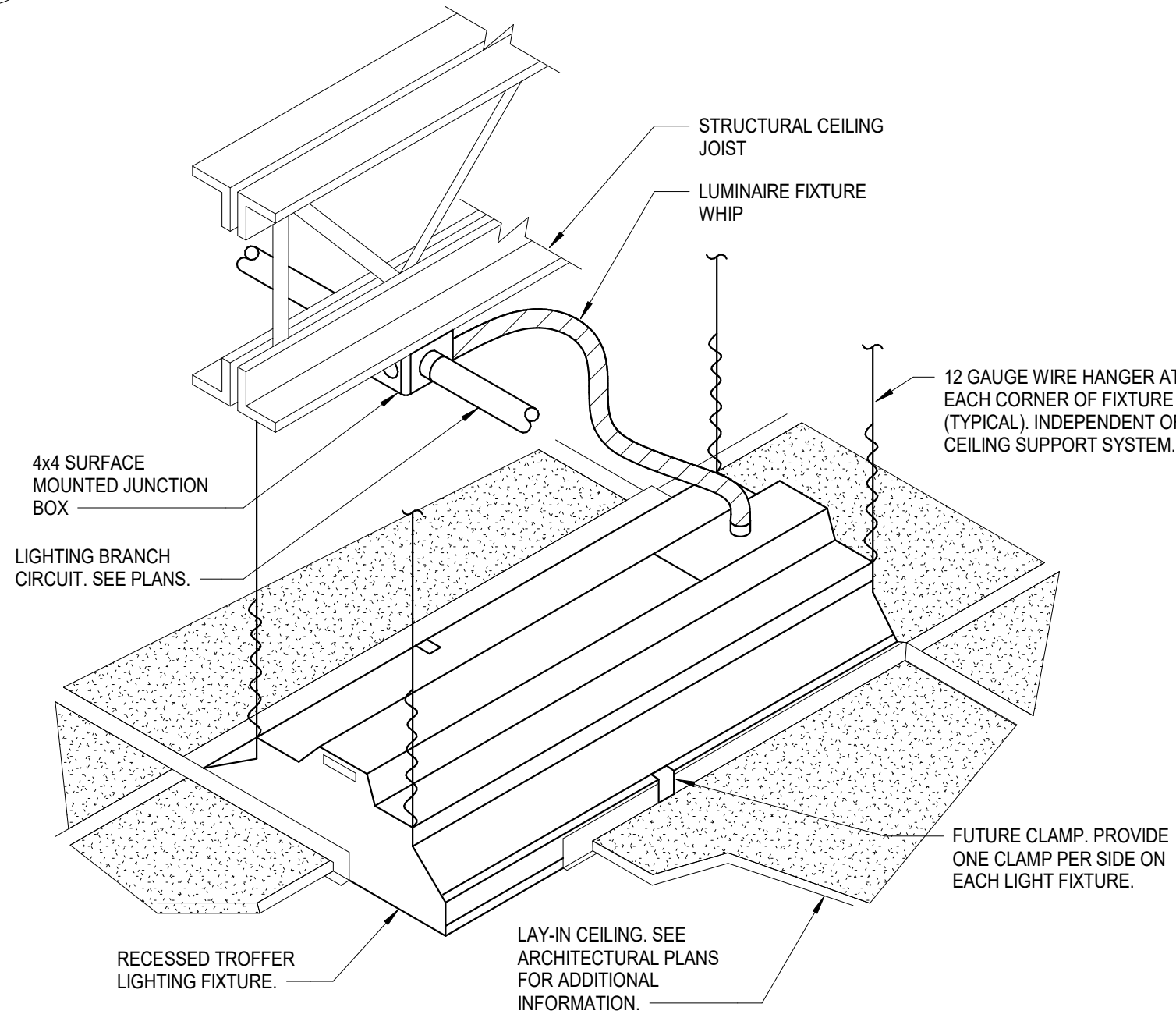
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E601 TYPICAL RACEWAY SUPPORT DETAIL
NOT TO SCALE



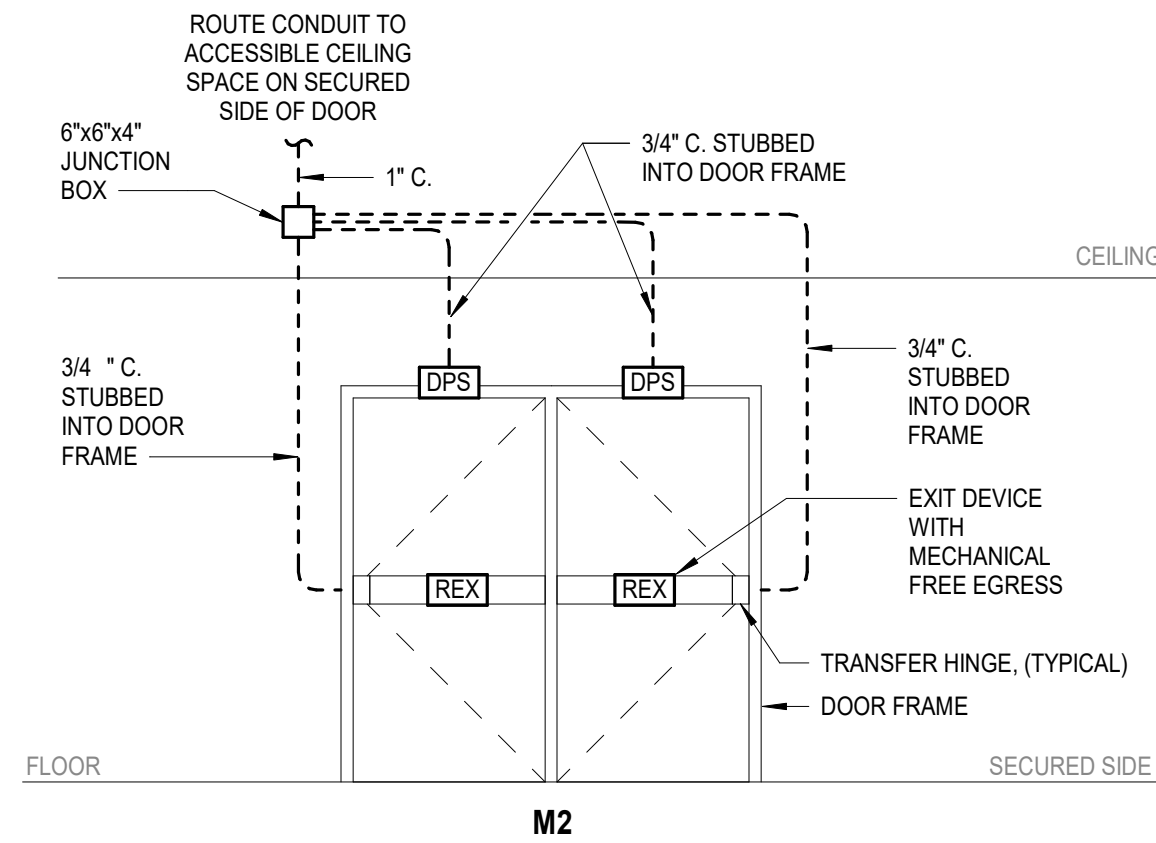
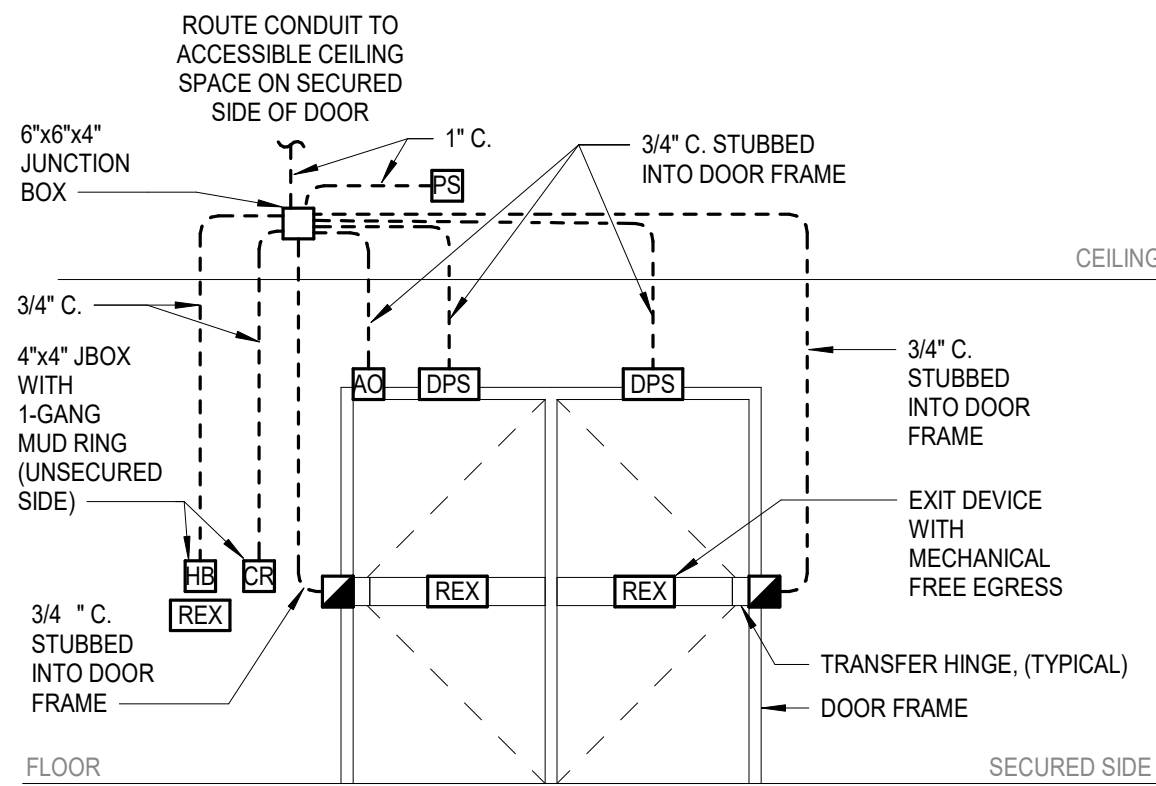
8
E601 ELECTRIC BOTTLE FILLING STATION DETAIL
NOT TO SCALE



2
E601 ACCESS CONTROL DOOR DETAILS
NOT TO SCALE



5
E601 TYPICAL RECESSED FIXTURE MOUNTING DETAIL
NOT TO SCALE

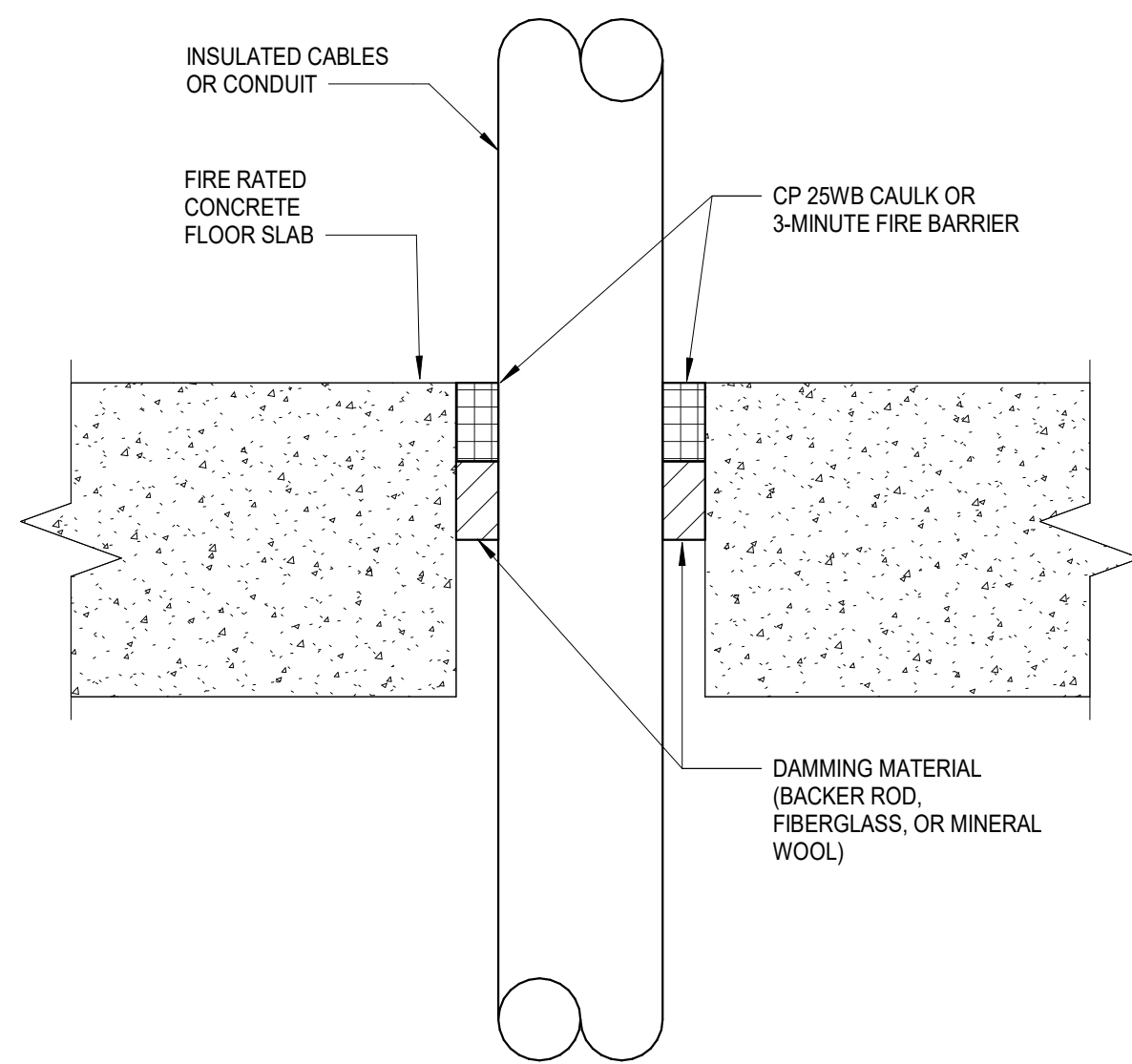


ABBREVIATIONS	
AO	POWERED AUTOMATIC DOOR OPENER
CR	CARD READER
DPS	DOOR POSITION SWITCH
HB	HANDICAP OPERATOR PUSHBUTTON
PS	POWER SUPPLY
REX	REQUEST TO EXIT

DETAIL MARK	DEFINITION
C1	CONTROLLED, SINGLE DOOR
C2	CONTROLLED, DOUBLE DOOR
M1	MONITORED, SINGLE DOOR
M2	MONITORED, DOUBLE DOOR

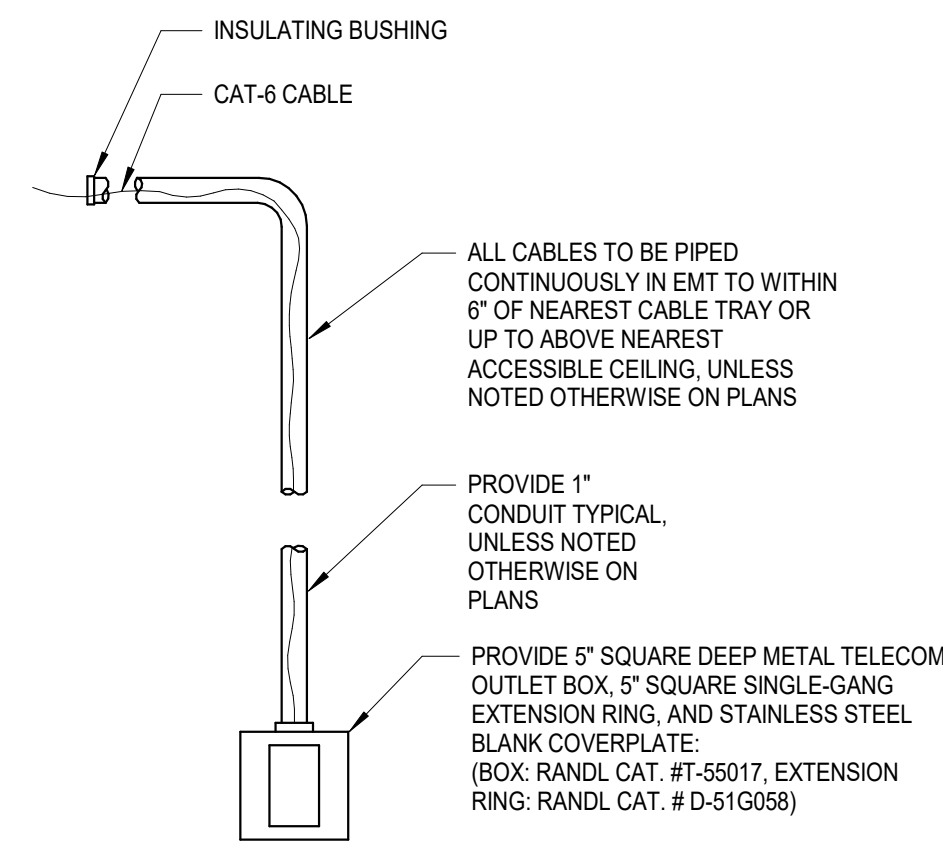
NOTES:

- 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.

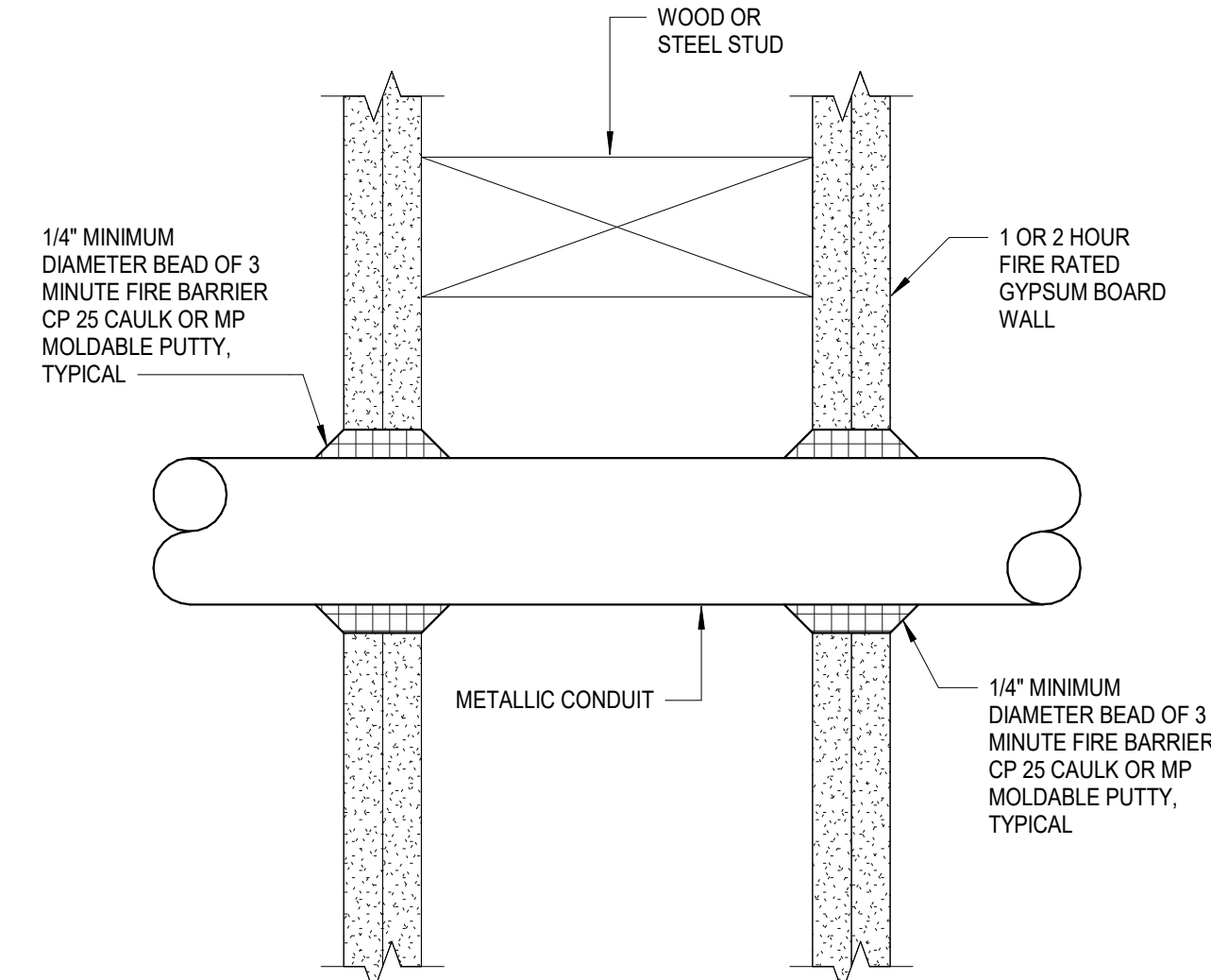


NOTE:
1.) TYPICAL DETAIL SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURERS INSTRUCTIONS AS REQUIRED.

6
E601 FIRESTOP THROUGH CONCRETE FLOOR DETAIL
NOT TO SCALE

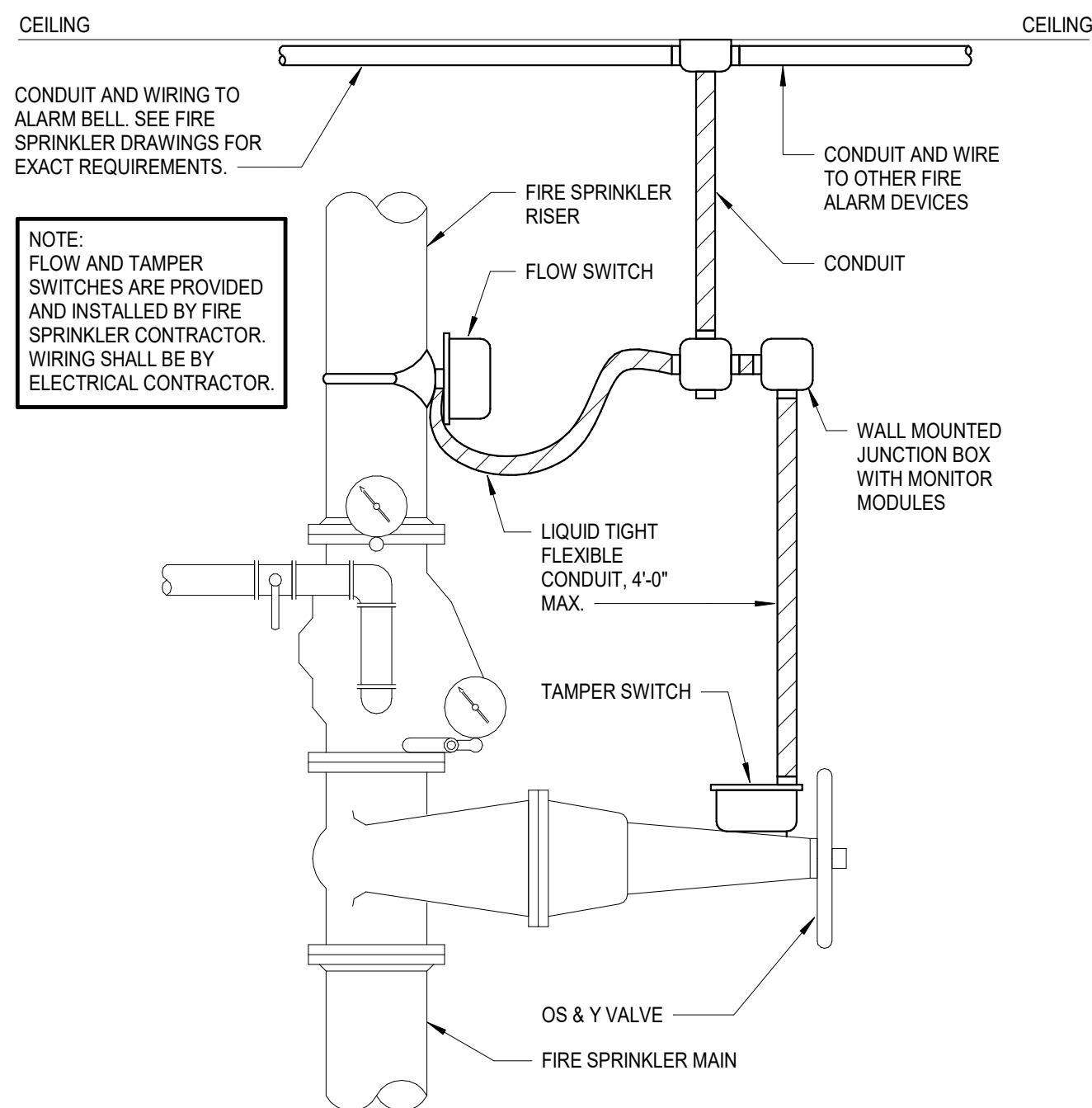


3
E601 COMMUNICATION ROUGH-IN DETAIL
NOT TO SCALE



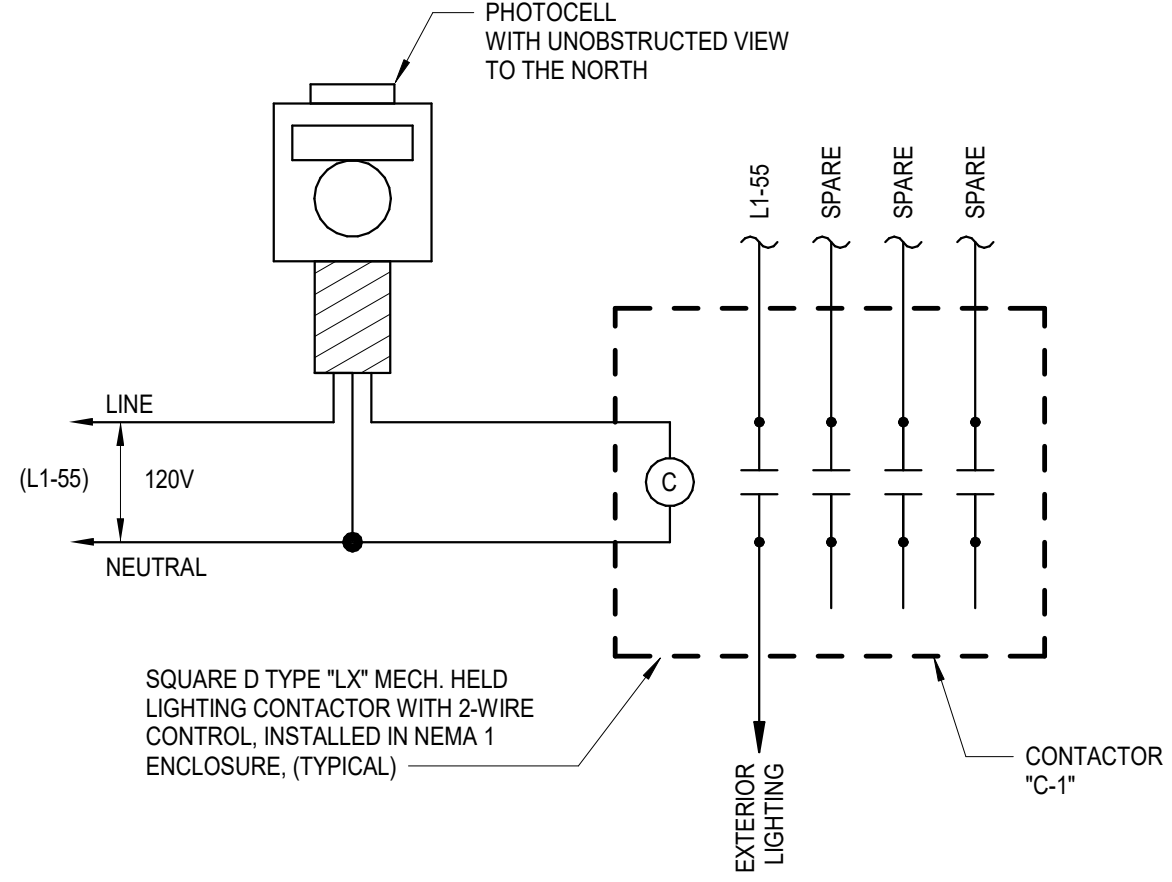
NOTE:
1.) TYPICAL DETAIL SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURERS INSTRUCTIONS AS REQUIRED.

7
E601 FIRESTOP THROUGH GYPBOARD WALL DETAIL
NOT TO SCALE



NOTE:
FLOW AND TAMPER SWITCHES ARE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR. WIRING SHALL BE BY ELECTRICAL CONTRACTOR

10
E601 FIRE SPRINKLER RISER CONNECTION DETAIL
NOT TO SCALE



9
E601 EXTERIOR LIGHTING CONTROL DETAIL
NOT TO SCALE

