

Summit Behavioral Healthcare

Tenant Infill Remodel

3340 NE Ralph Powell Rd, Lee's Summit, MO 64064

DIRECTORY

CLIENT:
Monte Cristo II, LLC
1804 Swift St, Suite 101
North Kansas City, MO, 64116
TEL: (816) 384-2900
REP: Nate Prather

ARCHITECT:
[k] Warman Architecture + Design
1735 Swift Ave.
North Kansas City, MO, 64116
TEL: (816) 474-2233, FAX: (816) 474-1051
REP: Kathleen Warman

MEP ENGINEER:
JSC Engineers, PC
24 NW Chipman Rd
Lee's Summit, MO, 64063
TEL: (816) 272-5289
REP: Justin Smothers

VICINITY MAP



PROJECT GENERAL NOTES

1. CONTRACTORS SHALL NOT SCALE THESE DRAWINGS FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS OR INFORMATION, CONTRACTOR SHALL NOTIFY ARCHITECT. FIGURED AND CALCULATED DIMENSION TAKES PRECEDENCE OVER SCALED MEASUREMENTS. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS. ALL PLAN DETAILS AND WALL SECTIONS ARE ASSUMED TO BE TYPICAL CONDITIONS UNLESS DETAILED OR NOTED OTHERWISE.
2. ALL FINISHED FLOOR ELEVATIONS REFER TO ARCHITECTURAL DRAWINGS ONLY. REFER TO CIVIL DRAWINGS FOR RELATIONSHIP TO PROJECT BENCHMARK(S).
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND GRADES AT JOB SITE. ALL CONTRACTORS SHALL COORDINATE THEIR WORK WITH OTHERS. TRADES AND REPORT DISCREPANCIES, PRIOR TO THEIR CONSTRUCTION, TO THE ARCHITECT FOR REVIEW AND CLARIFICATION OR ACTION.
4. CONTRACTOR SHALL VERIFY SIZE, LOCATIONS AND CHARACTERISTICS OF ALL EQUIPMENT TO BE FURNISHED WITH MANUFACTURERS OR SUPPLIERS BEFORE BEGINNING CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AND RELATED WORK WITH CONTRACTORS INVOLVED AND EQUIPMENT TO BE FURNISHED. FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S STANDARD DETAILS OR APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
6. CEILING HEIGHTS SCHEDULED ON THE ROOM FINISH SCHEDULE OR THE REFLECTED CEILING PLAN ARE TAKEN FROM THE FINISH FLOOR ELEVATION.
7. ALL PLAN DIMENSIONS ARE TO CENTERLINE OF STUD WALLS, FACE OF MASONRY OR EXISTING SURFACE AND CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE.
8. VERIFY ALL ELEVATIONS AND DIMENSIONS OF STRUCTURAL ELEMENTS WITH ARCHITECTURAL DRAWINGS. IN CASE OF CONFLICT, NOTIFY THE ARCHITECT. THE CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR THEM. ALL DIMENSIONAL DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
9. CONTRACTOR SHALL ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS OR EQUIPMENT IS TOO GREAT TO BE SUPPORTED BY WALL STUDS. PROVIDE BLOCKING FOR OWNER FURNISHED OR INSTALLED ITEMS.
10. PARTITIONS WHERE INDICATED BY SYMBOL ARE TO EXTEND AND SEAL AGAINST THE BOTTOM OF THE DECK ABOVE.
11. USE METAL CORNER BEADS ON ALL GYPSUM BOARD EXTERIOR CORNERS.
12. TRANSITION OF DIFFERENT FLOORING MATERIALS AT DOORWAYS SHALL OCCUR AT CENTERLINE OF DOORS TYPICALLY.
13. PAINT ALL WALL SURFACES, DOOR FRAMES, BULKHEADS AND CEILINGS IN ROOMS WHERE INDICATED ON THE ROOM FINISH SCHEDULE. PAINT BEHIND ALL MOVEABLE ITEMS ADJACENT TO WALLS RECEIVING PAINT AND RELOCATE THEM.
14. ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING AND EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.
15. A GYPSUM BOARD CONTROL JOINT SHALL BE INSTALLED WHERE A WALL PARTITION OR CEILING TRAVERSES A CONTROL JOINT (EXPANSION, SEISMIC OR BUILDING CONTROL ELEMENT) IN THE BASE BUILDING STRUCTURE.
16. A GYPSUM BOARD CONTROL JOINT SHALL BE INSTALLED WHERE A WALL OR PARTITION RUNS IN AN UNINTERRUPTED STRAIGHT PLAN EXCEEDING 30 LINEAR FEET.
17. GYPSUM BOARD CONTROL JOINTS SHALL BE INSTALLED IN WALLS, PARTITIONS OR CEILINGS AS PER ASTM C 840 OR GA-216.

DRAWING INDEX

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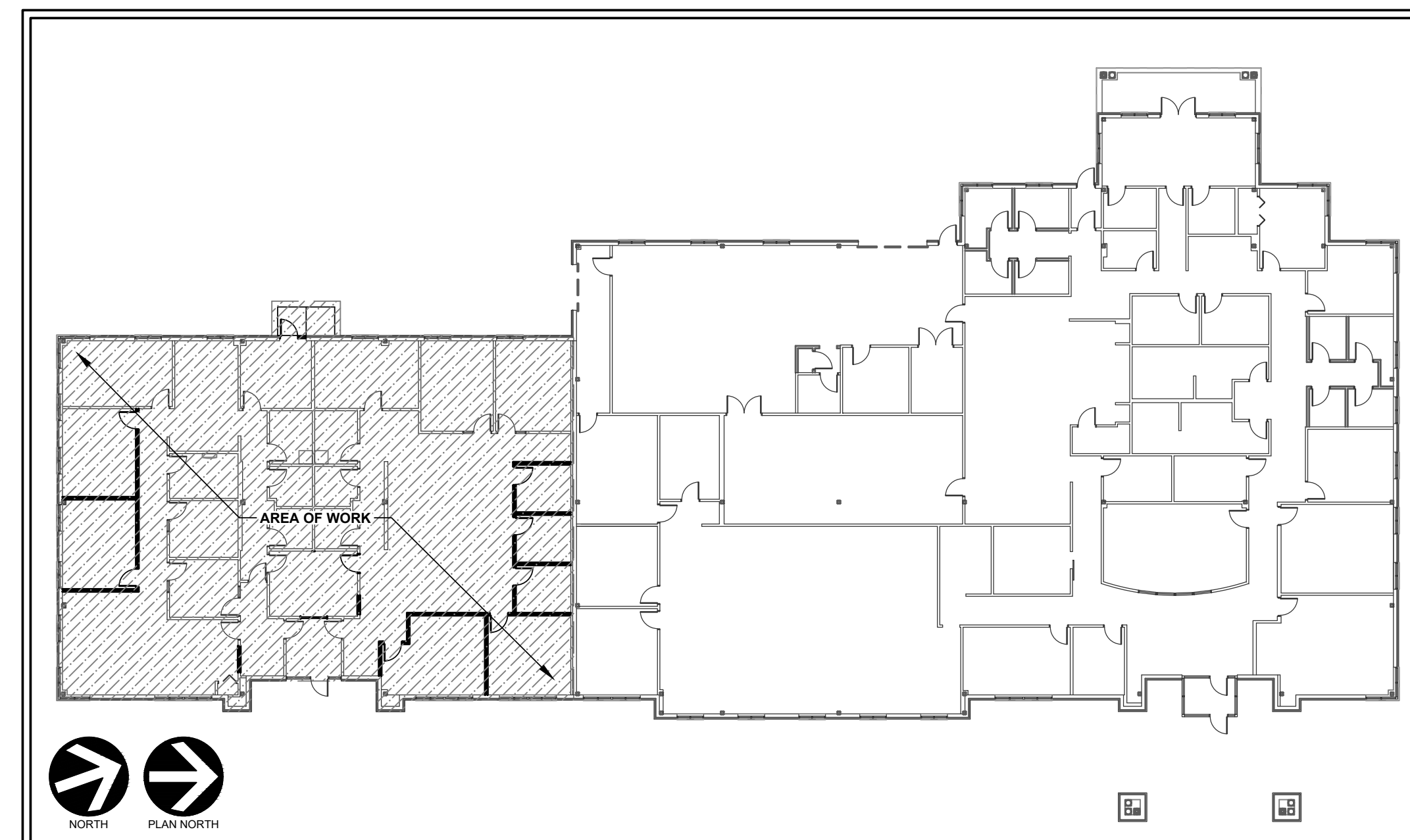
DEFERRED SUBMITTALS

- | | |
|----|-------------------------------|
| 1. | SIGNAGE |
| 2. | FIRE SUPPRESSION PLANS |

GENERAL CONTRACTOR NOTE

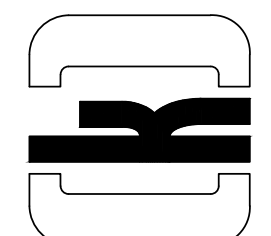
ALL SUB-CONTRACTORS SHALL BE PROVIDED WITH A COMPLETE SET OF CONSTRUCTION DOCUMENTS FOR BIDDING AND CONSTRUCTION

VICINITY PLAN

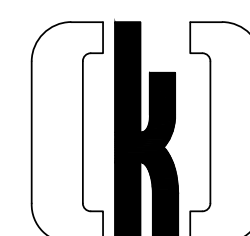


WARMAN ARCHITECTURE+DESIGN

1735 SWIFT AVE.
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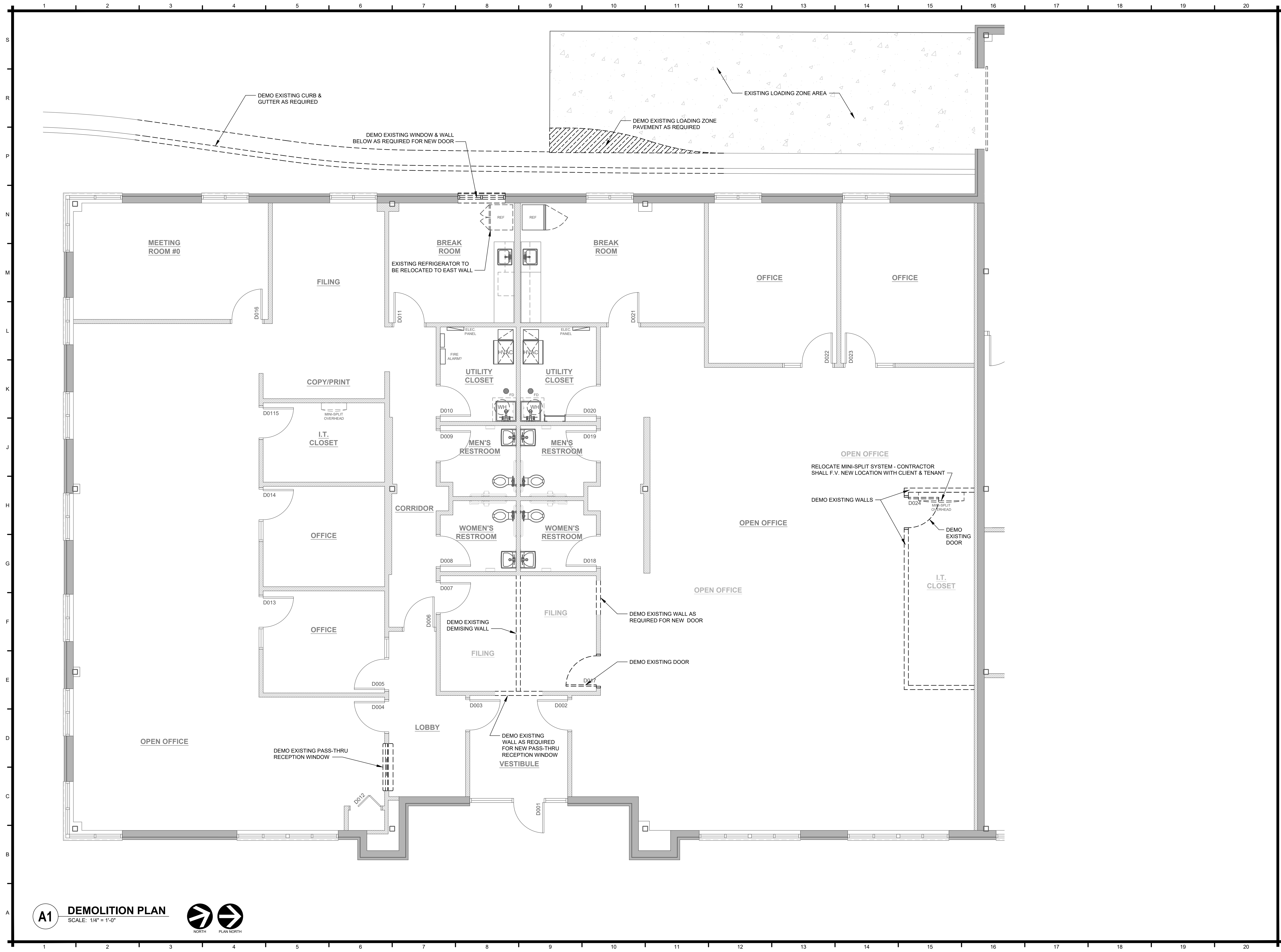


Issued for Permit Review
08-09-2023

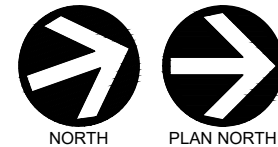


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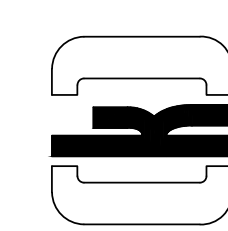


A1 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



RELEASED FOR
CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
08/22/2023

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KATHLEEN ANN WARMAN - ARCHITECT
MO # A 5819

SUMMIT BEHAVIORAL HEALTHCARE

3340 NE RALPH POWELL RD
LEE'S SUMMIT, MO 64064

DEMOLITION PLAN

Monte Cristo II, LLC
1804 Swift St, Suite 101
North Kansas City, MO 64116

REVISIONS		SOURCE	
#	BY	DATE	

DATE: 07.05.2023
DESIGNED BY: KAW
DRAWN BY: cdt
APPROVED BY: KAW

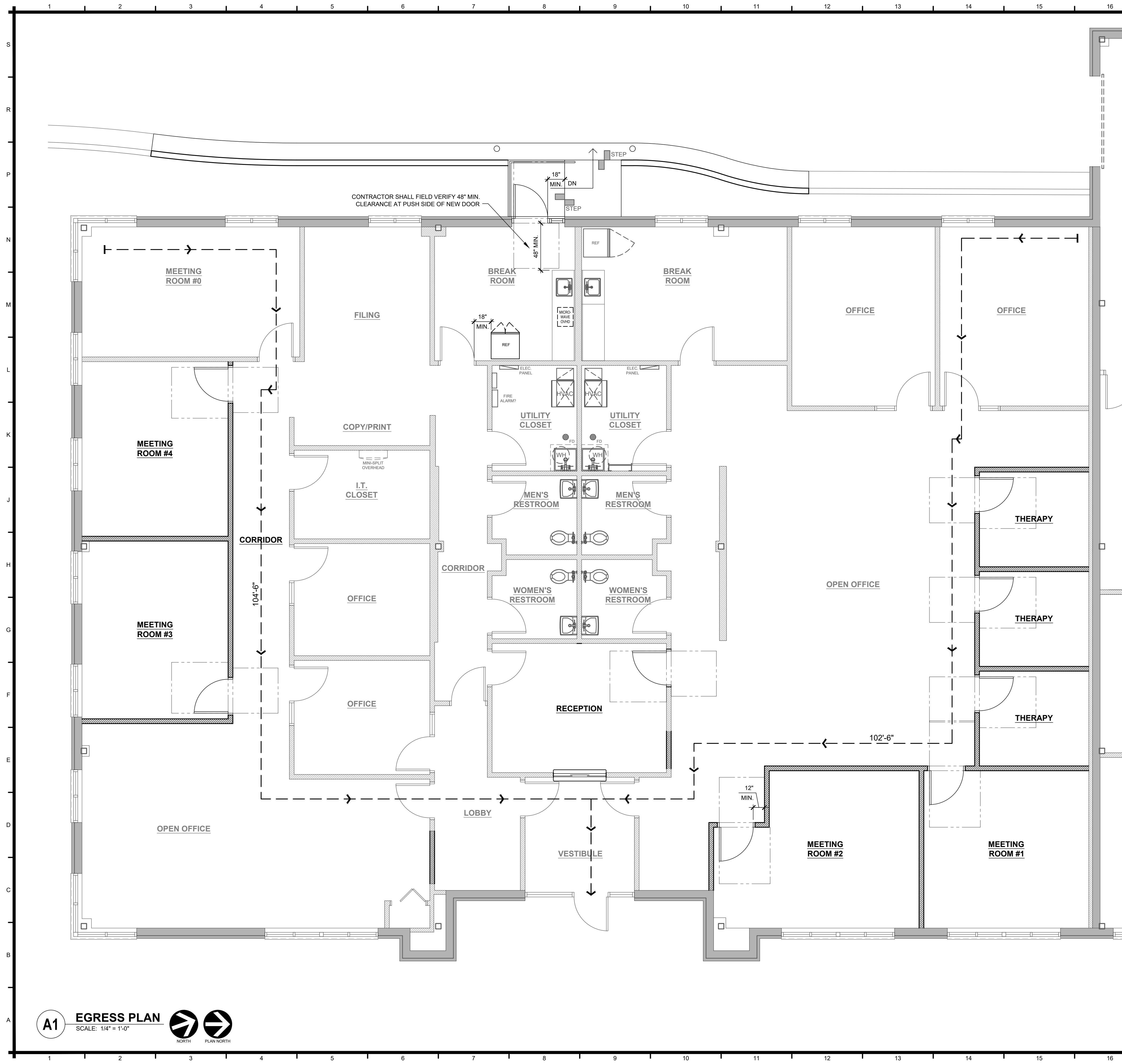
SHEET NUMBER

D-101

JOB NUMBER

5953-23

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A1 **EGRESS PLAN**
SCALE: 1/4" = 1'-0"

CODE DATA

1. USE GROUP CLASSIFICATION:

B - BUSINESS

2. CONSTRUCTION TYPE:

TYPE VB CONSTRUCTION (SPRINKLERED)

3. BUILDING HEIGHT:

ALLOWABLE HEIGHT (STORY) 3 STORY
ACTUAL STORIES ABOVE GRADE 1

4. BUILDING AREA:

ALLOWABLE BUILDING AREA 36,000 SF
ACTUAL BUILDING AREA 18,543 SF
TENANT AREA 5,719 SF

5. OCCUPANCY LOAD:

(150 SF/OCC) (CODE) 39 OCC

6. FIRE RESISTANT RATING OF STRUCTURE ELEMENTS:

(N = NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE)

A. EXTERIOR WALLS (LOAD BEARING) N/A HR(S)
B. FIRE WALLS & PARTY WALLS N/A HR(S)
C. FIRE SEPARATION ASSEMBLIES:
1. FIRE ENCLOSURE OF EXITS N/A HR(S)
2. SHAFTS N/A HR(S)
3. MIXED USE & FIRE AREA SEPARATION 1 HR(S)
D. FIRE PARTITIONS:
1. EXIT ACCESS CORRIDORS 0 HR(S)
2. TENANT SPACE SEPARATIONS 1 HR(S)
E. SMOKE BARRIERS 1 HR(S)
F. OTHER NON LOAD BEARING PARTITIONS 0 HR(S)
G. INTERIOR LOAD BEARING WALLS, PARTITIONS, COLUMNS, GIRDERS, TRUSSES & FRAMING 0 HR(S)
H. STRUCTURAL MEMBERS SUPPORTING WALLS 0 HR(S)
I. FLOOR CONSTRUCTION, INCLUDING BEAMS 0 HR(S)
J. ROOF CONSTRUCTION, INCLUDING BEAMS, TRUSSES, ARCHES & ROOF DECKS 0 HR(S)

7. EXITS:

A. DOORS:
REQUIRED 39 OCC x 0.2" = 7.8"
PROVIDED 72"
B. NUMBER OF EXITS
REQUIRED 1
PROVIDED 2
C. TRAVEL DISTANCE
ALLOWABLE 300' MAX
PROVIDED 104'-6" MAX
D. MAX. DEAD END CORRIDOR DISTANCE 50'-0"
E. MIN. CORRIDOR WIDTH 44"
F. MIN. DOOR WIDTH 32" CLEAR

8. FIRE PROTECTION SYSTEMS:

A. FIRE & SMOKE DETECTION REQUIRED NO PROVIDED NO
B. FIRE ALARM REQUIRED YES PROVIDED YES
C. SPRINKLER SYSTEM REQUIRED YES PROVIDED YES
D. STANDPIPE SYSTEM REQUIRED NO PROVIDED NO
E. SMOKE VENTS REQUIRED NO PROVIDED NO
F. PORTABLE FIRE EXTINGUISHER REQUIRED YES PROVIDED YES

9. PLUMBING FIXTURE CALCULATION:

TOTAL OCCUPANTS 39 (20 MEN / 20 WOMEN)
MENS ROOM FIXTURES (REQUIRED) 1 WATER CLOSET & 1 LAVATORIES
WOMENS ROOM FIXTURES (REQUIRED) 1 WATER CLOSET & 1 LAVATORIES
MENS ROOM FIXTURES (PROVIDED) 2 WATER CLOSET & 2 LAVATORIES
WOMENS ROOM FIXTURES (PROVIDED) 2 WATER CLOSET & 2 LAVATORIES

APPLICABLE CODES

BUILDING CODE 2018 IBC
PLUMBING CODE 2018 IPC
MECHANICAL CODE 2018 IMC
ELECTRICAL CODE 2017 NEC
FIRE CODE 2018 IFC
ACCESSIBILITY 2009 ANSI A117.1

LEGEND

- ACCESSIBLE AREA OR EXIT

- ROOM OCCUPANCY LOAD

AREA (SF)

OCCUPANCY LOAD (P = PERSONS)

SF / OCCUPANT

- MAXIMUM TRAVEL DISTANCE FROM FURTHEST POINT

- USE GROUP LIMITS

- USE GROUP B

- USE GROUP S1

- PORTABLE FIRE EXTINGUISHER. VERIFY TYPE, SIZE & LOCATION W/ FIRE MARSHAL

- KNOX BOX. VERIFY TYPE & LOCATION W/ FIRE MARSHAL

REVISIONS

#	BY	DATE	SOURCE

DATE: 07.05.2023

DESIGNED BY: KAW

DRAWN BY: cdt

APPROVED BY: KAW

SHEET NUMBER

G-101

JOB NUMBER

5953-23

RELEASED FOR CONSTRUCTION

As Noted on Plans Review

Development Services Department

Lee's Summit, Missouri

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WARMAN ARCHITECTURE+DESIGN

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Missouri State Certificate of Authority #ARC 000745

STATE OF MISSOURI

KATHLEEN ANN WARMAN

ARCHITECT

MO # A-5819

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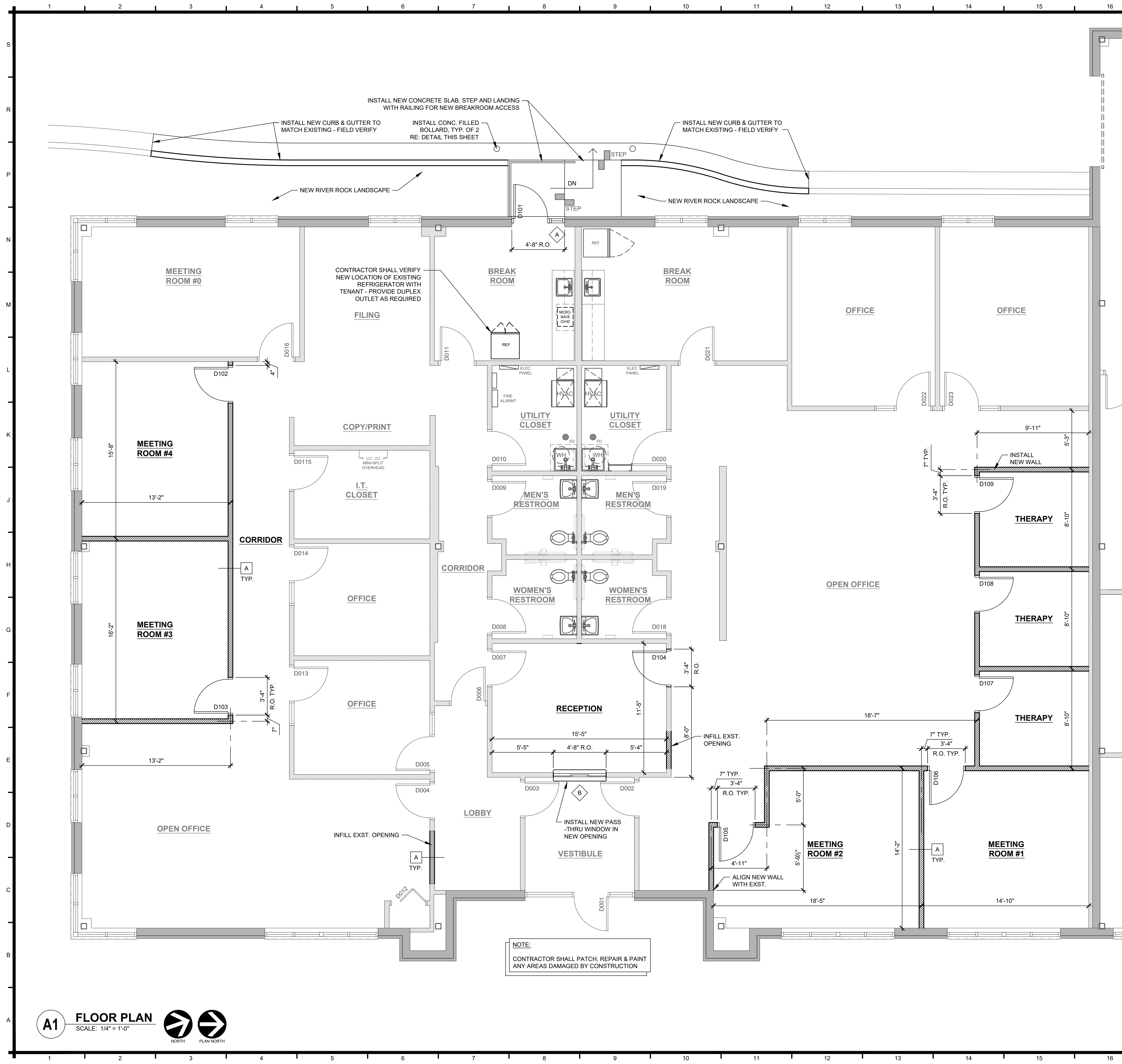
1804 Swift St, Suite 101

North Kansas City, MO 64116

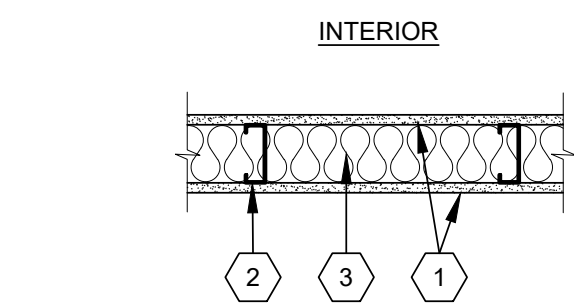
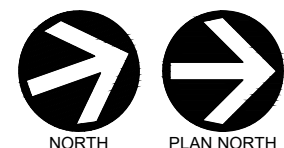
CODE DATA

& EGRESS PLAN

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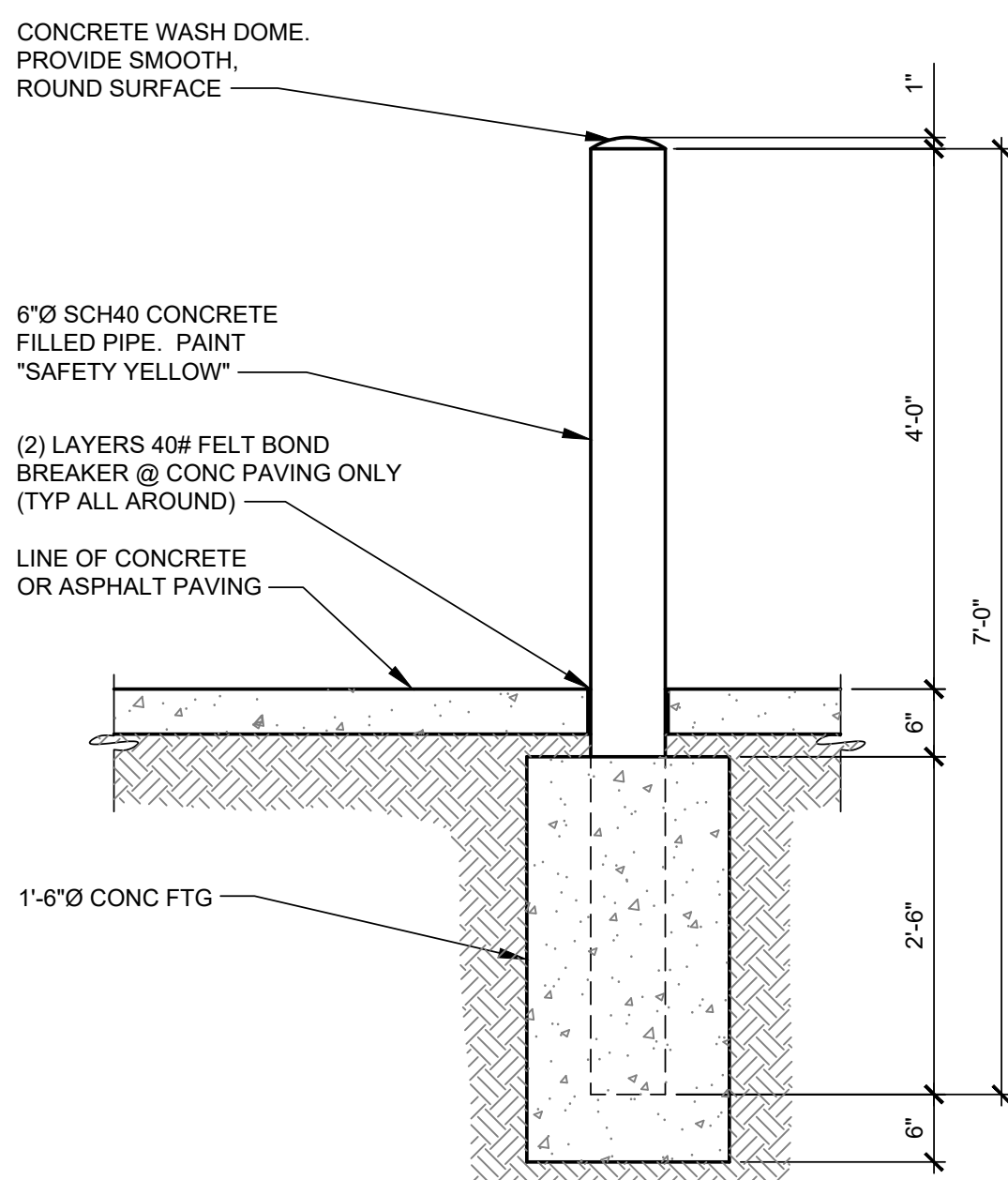
A1 FLOOR PLAN
SCALE: 1/4" = 1'-0"



- KEYNOTES:**
- 1 - 5/8" TYPE "X" GYPSUM BOARD
 - 2 - 3 5/8" METAL STUDS @ 16" O.C.
 - 3 - 3 1/2" BATT INSULATION

NOTE:
ALL GYP BD TO B.O. EXISTING CEILING

N17 WALL TYPE
SCALE: 1" = 1'-0"

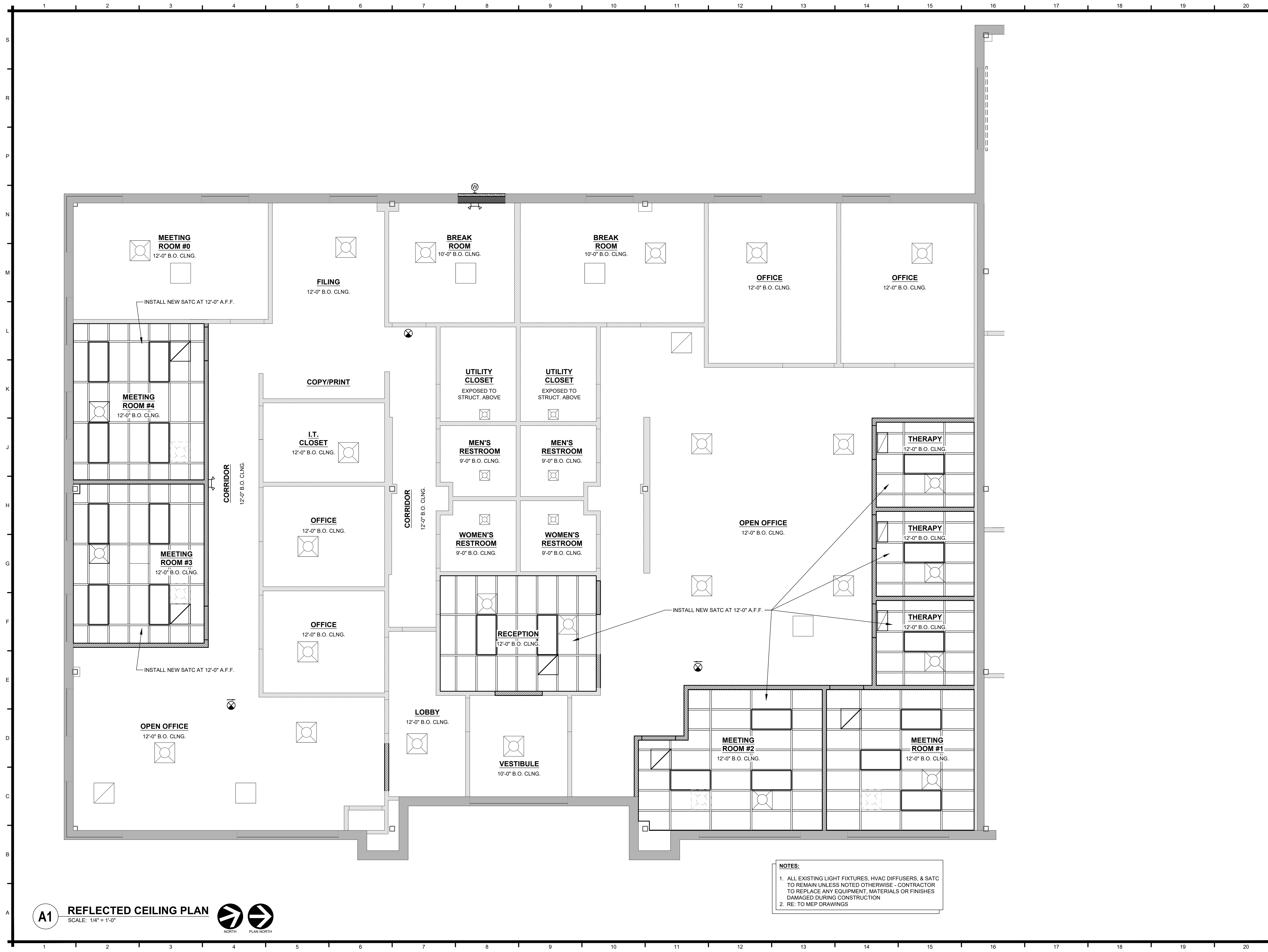


G17 BOLLARD DETAIL
SCALE: 3/4" = 1'-0"

#	BY	DATE	SOURCE

DATE: 07.05.2023
DESIGNED BY: KAW
DRAWN BY: cdt
APPROVED BY: KAW

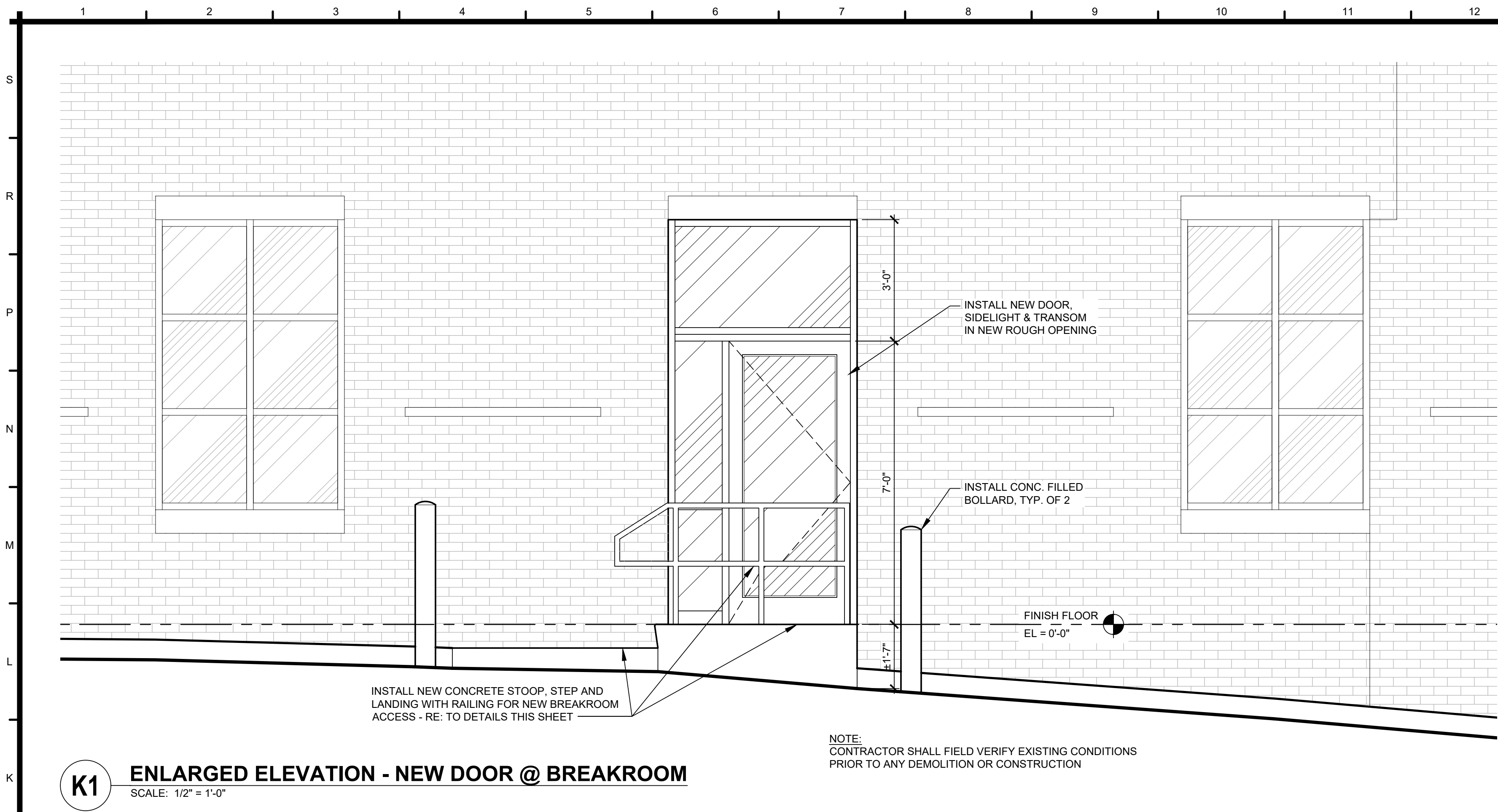
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			SOURCE	
DATE:			07.05.20	
DESIGNED BY:			KA	
DRAWN BY:			KA	
APPROVED BY:			KA	



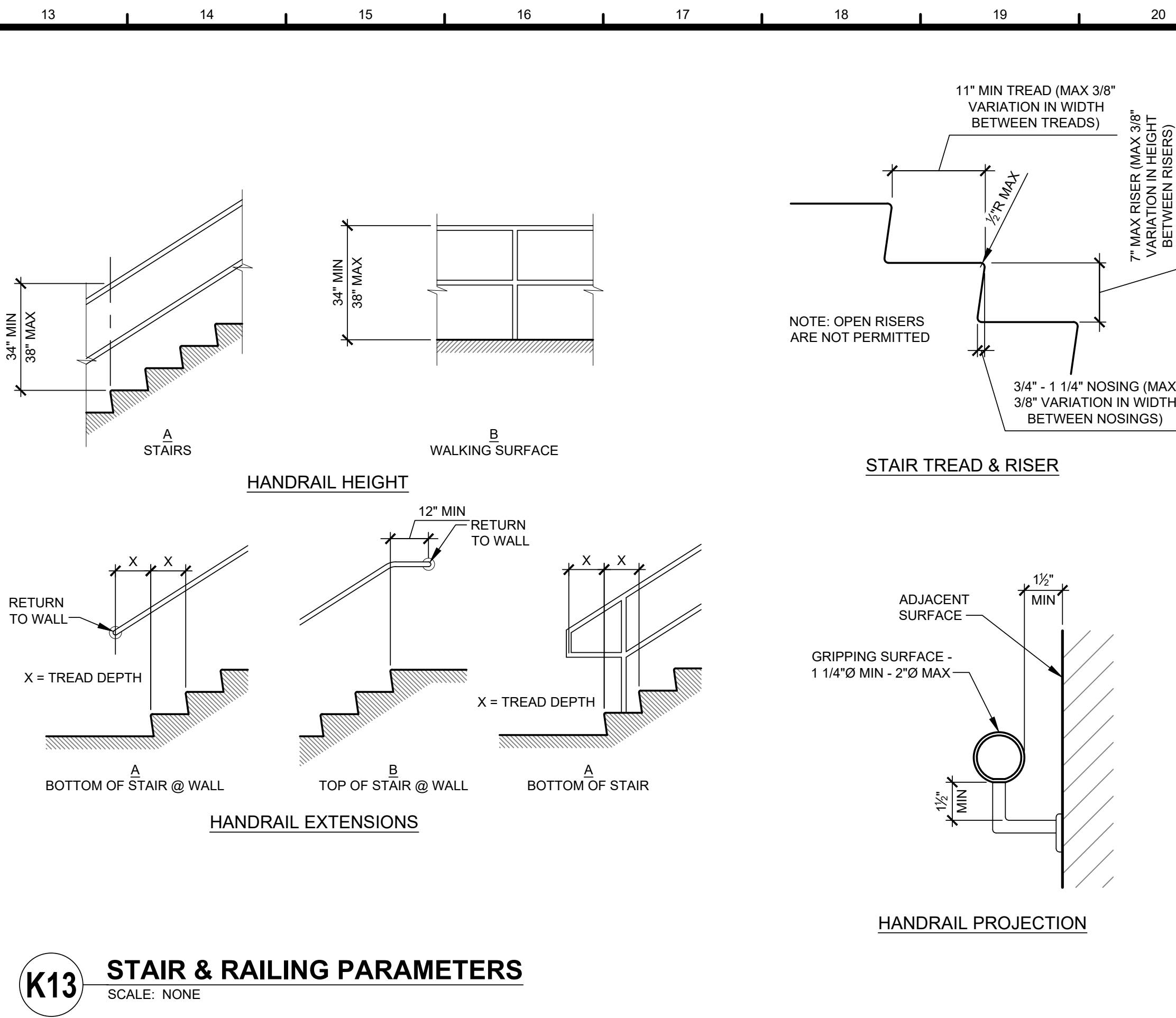
NOTES:

1. ALL EXISTING LIGHT FIXTURES, HVAC DIFFUSERS, & SATC TO REMAIN UNLESS NOTED OTHERWISE - CONTRACTOR TO REPLACE ANY EQUIPMENT, MATERIALS OR FINISHES DAMAGED DURING CONSTRUCTION
2. RE: TO MEP DRAWINGS

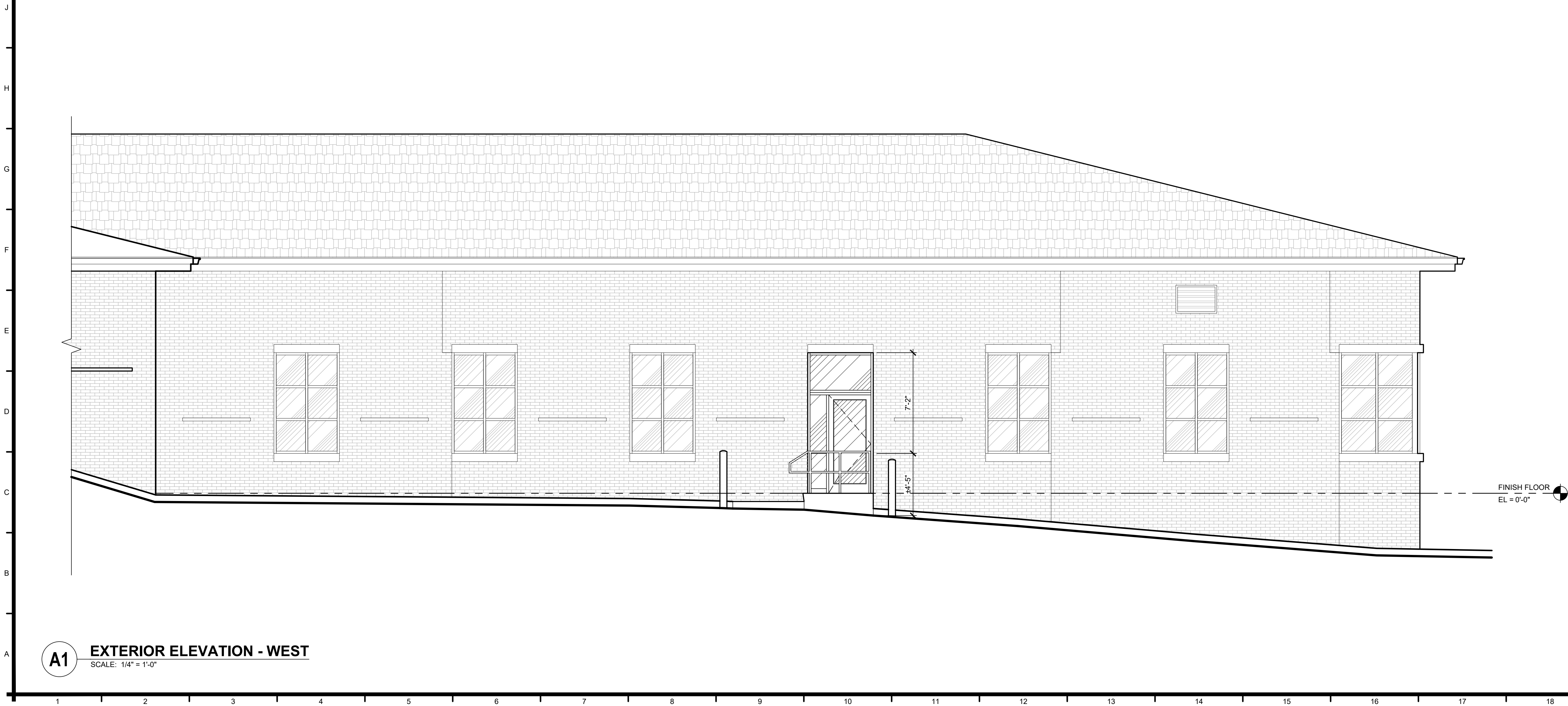
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K1 ENLARGED ELEVATION - NEW DOOR @ BREAKROOM
SCALE: 1/2" = 1'-0"



K13 STAIR & RAILING PARAMETERS
SCALE: NONE



A1 EXTERIOR ELEVATION - WEST
SCALE: 1/4" = 1'-0"

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DOOR SCHEDULE																		
S	DOOR NO	DOOR						FRAME						FIRE RATING	HARDWARE SET NO	NOTES		
		TYPE	SIZE			MAT'L	GLAZING	FINISH		TYPE	MAT'L	FINISH					DETAIL	
			WD	HGT	THK			PUSH	PULL			PUSH	PULL				HEAD	JAMB
R	D001	-	EXISTING TO REMAIN			-	-	-	-	-	-	-	-	EXISTING TO REMAIN		-	-	
	D002	-	EXISTING TO REMAIN			-	-	-	-	-	-	-	-	EXISTING TO REMAIN		-	-	
	D003	-	EXISTING TO REMAIN			-	-	-	-	-	-	-	-	EXISTING TO REMAIN		-	-	
	D004	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D005	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D006	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D007	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
P	D008	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D009	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D010	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D011	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D012	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D013	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D014	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
N	D015	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D016	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D017	-	DEMO EXISTING			-	-	-	-	-	-	-	-	DEMO EXISTING		-	-	INFILL ROUGH OPENING
	D018	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D019	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D020	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D021	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
M	D022	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D023	-	EXISTING TO REMAIN			-	-	-	-	-	-	PT	PT	EXISTING TO REMAIN		-	-	
	D024	-	DEMO EXISTING			-	-	-	-	-	-	-	-	DEMO EXISTING		-	-	

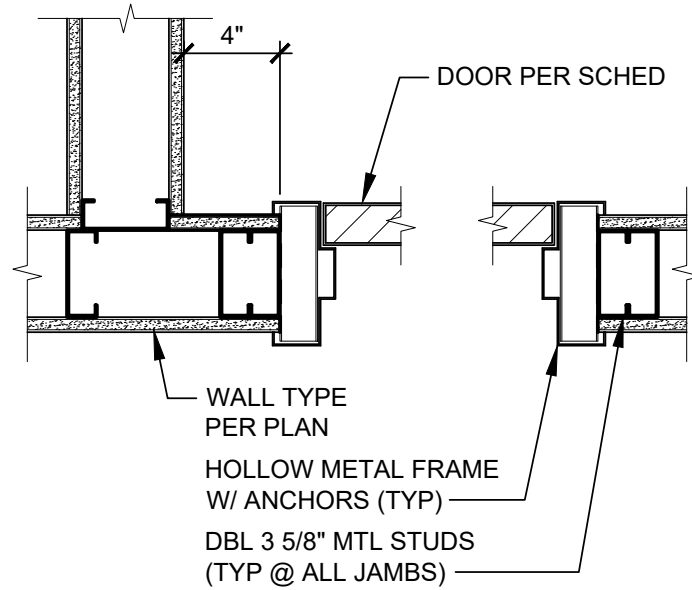
L	DOOR NO	DOOR								FRAME							FIRE RATING	HARDWARE SET NO	NOTES
		TYPE	SIZE			MAT'L	GLAZING	FINISH		TYPE	MAT'L	FINISH		DETAIL					
			WD	HGT	THK			PUSH	PULL			PUSH	PULL	HEAD	JAMB	THRESH			
K	D101	A	3'-0"	7'-0"	-	AL	-	FF	FF	-	AL	FF	FF	N17	J17	E17	---	MFR	
	D102	B	3'-0"	7'-0"	1 3/4"	SCW	-	ST	ST	1	HM	PT	PT	N10	H10	---	---	HWS-1	
	D103	B	3'-0"	7'-0"	1 3/4"	SCW	-	ST	ST	1	HM	PT	PT	N10	H10	---	---	HWS-1	
	D104	B	3'-0"	7'-0"	1 3/4"	SCW	-	ST	ST	1	HM	PT	PT	N10	H10	---	---	HWS-1	
	D105	B	3'-0"	7'-0"	1 3/4"	SCW	-	ST	ST	1	HM	PT	PT	N10	H10	---	---	HWS-1	
	D106	B	3'-0"	7'-0"	1 3/4"	SCW	-	ST	ST	1	HM	PT	PT	N10	H10	---	---	HWS-1	
	D107	B	3'-0"	7'-0"	1 3/4"	SCW	-	ST	ST	1	HM	PT	PT	N10	H10	---	---	HWS-1	
	D108	B	3'-0"	7'-0"	1 3/4"	SCW	-	ST	ST	1	HM	PT	PT	N10	H10	---	---	HWS-1	
	D109	B	3'-0"	7'-0"	1 3/4"	SCW	-	ST	ST	1	HM	PT	PT	N10	H10	---	---	HWS-1	
J																			

ABBREVIATIONS:

AL - ALUMINUM
FF - FACTORY FINISH
HM - HOLLOW METAL
PT - PAINT (SEMI-GLOSS)
SCW - SOLID CORE WOOD
ST - STAIN (MATCH EXIST)

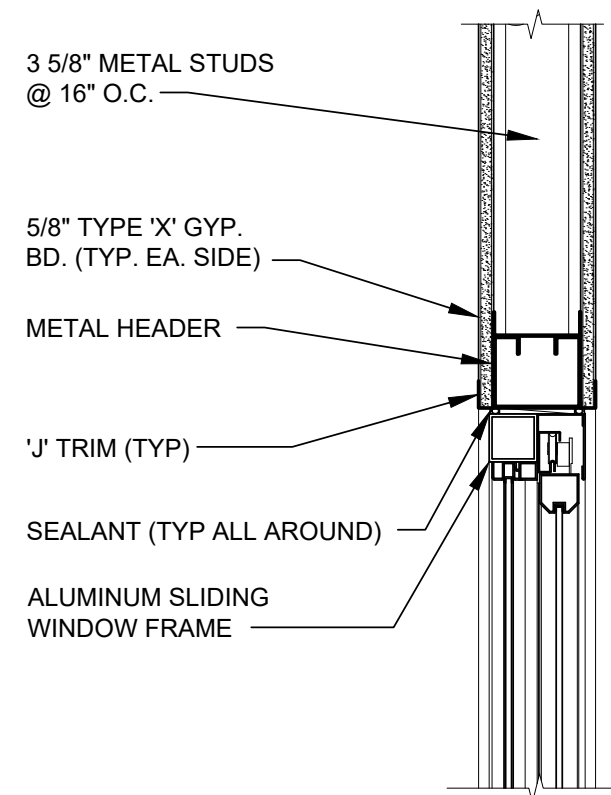
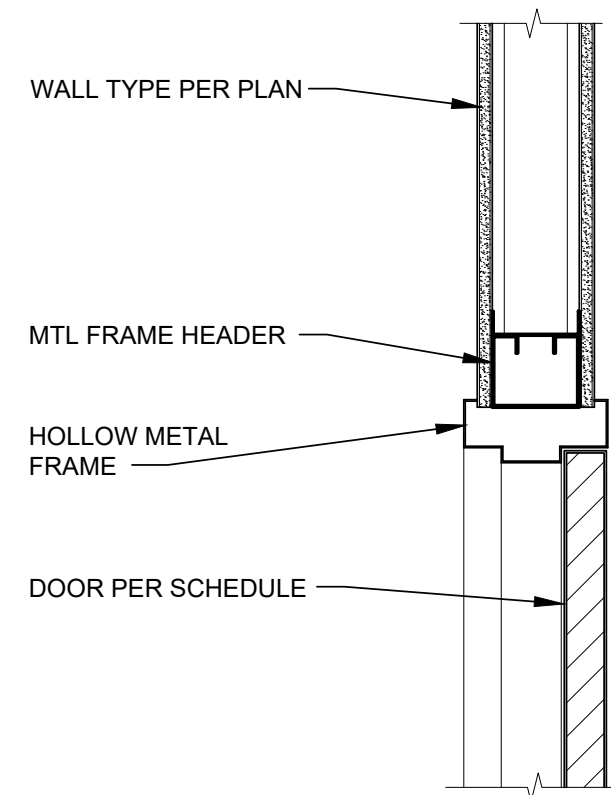
GENERAL DOOR NOTES:

1. ALL DOORS ALONG THE PATH OF EGRESS SHALL BE OPERABLE FROM INSIDE WITHOUT SPECIAL KNOWLEDGE
2. STAIN NEW DOORS TO MATCH EXISTING
3. PAINT NEW AND EXISTING FRAMES

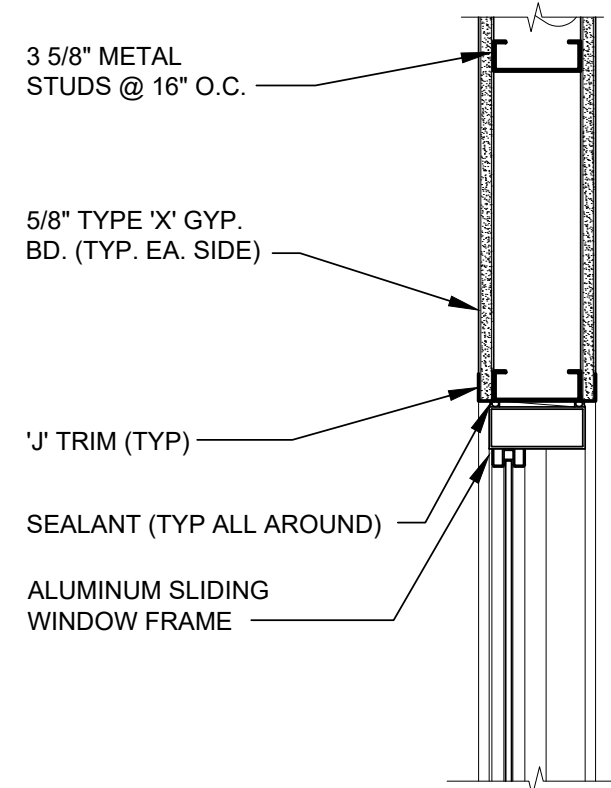


N10 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

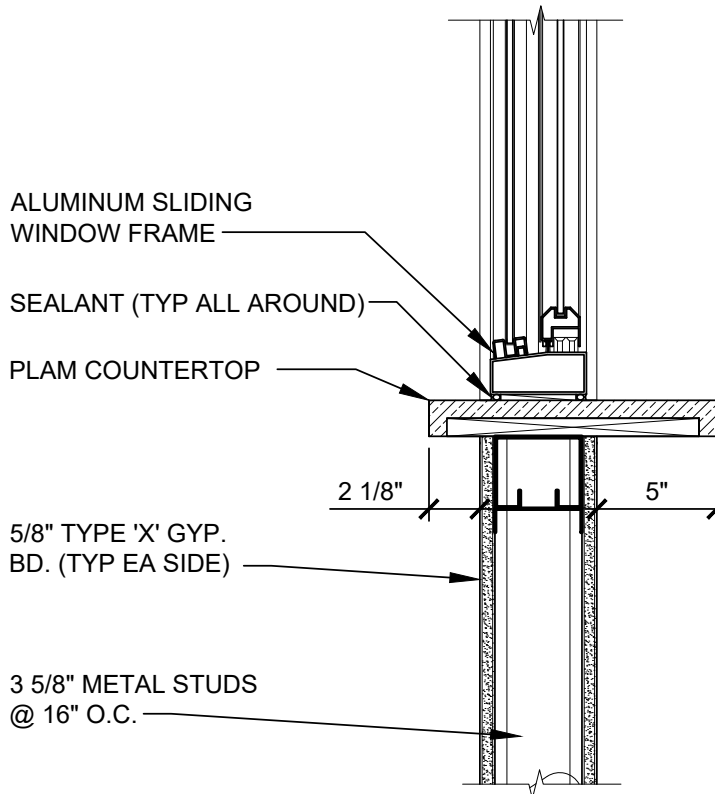
N10 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



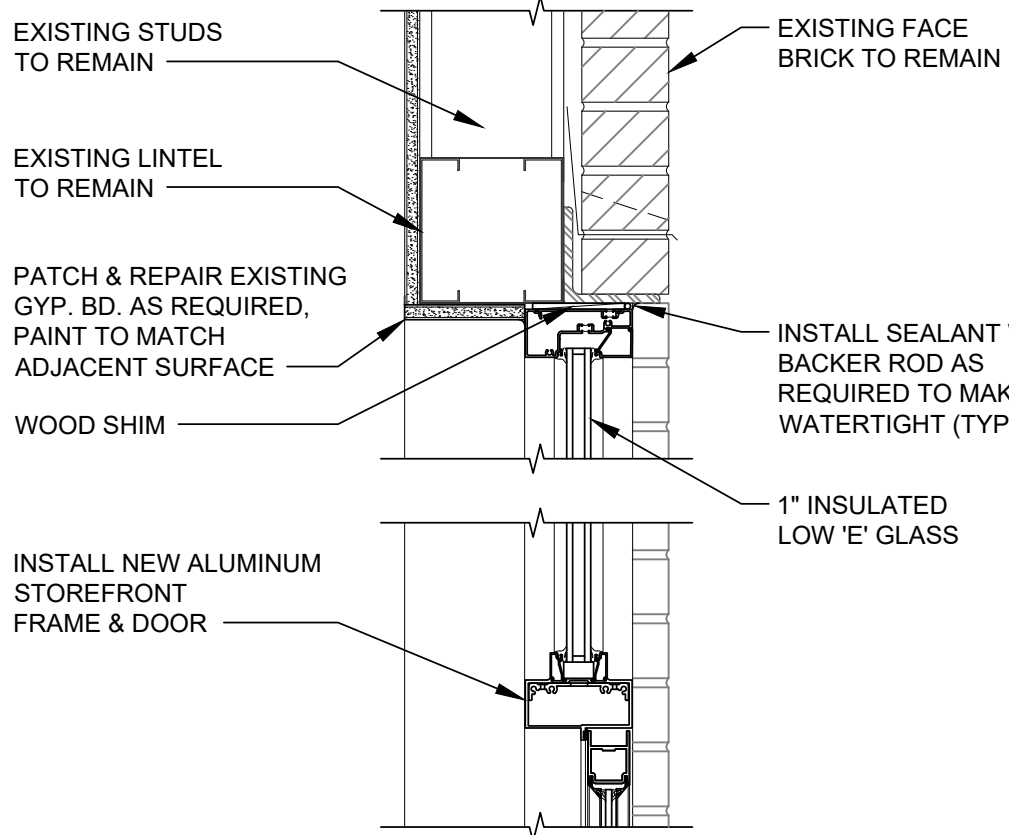
N13 WINDOW HEAD DETAIL - INTR
SCALE: 1 1/2" = 1'-0"



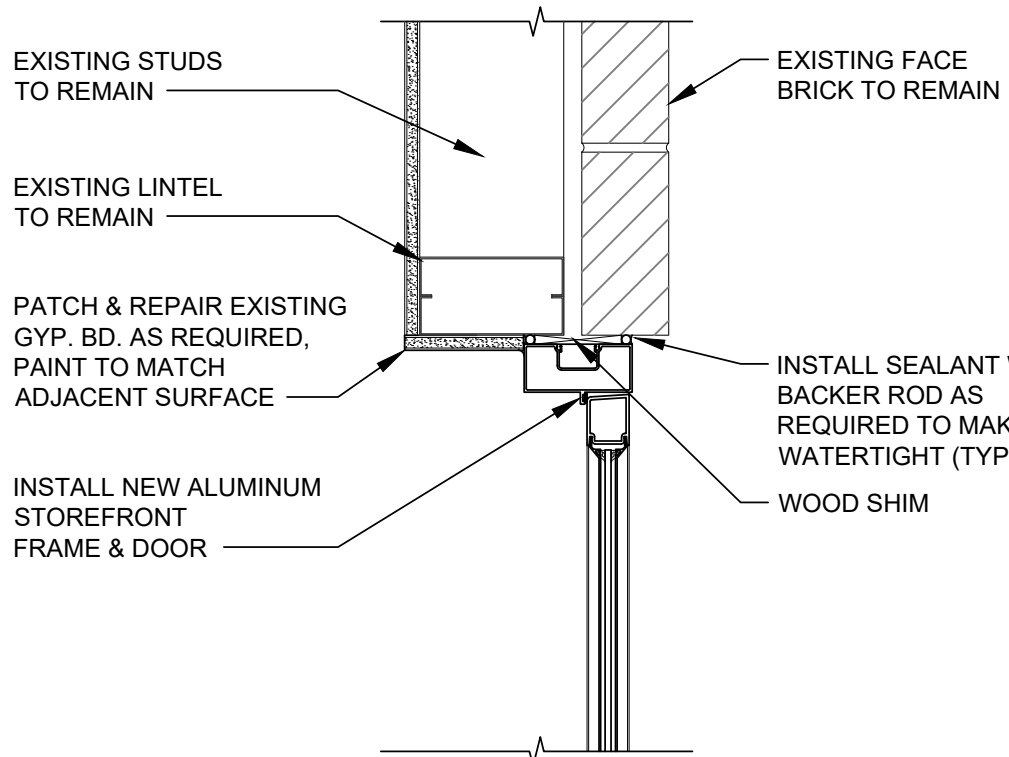
J13 WINDOW JAMB DETAIL - INTR
SCALE: 1 1/2" = 1'-0"



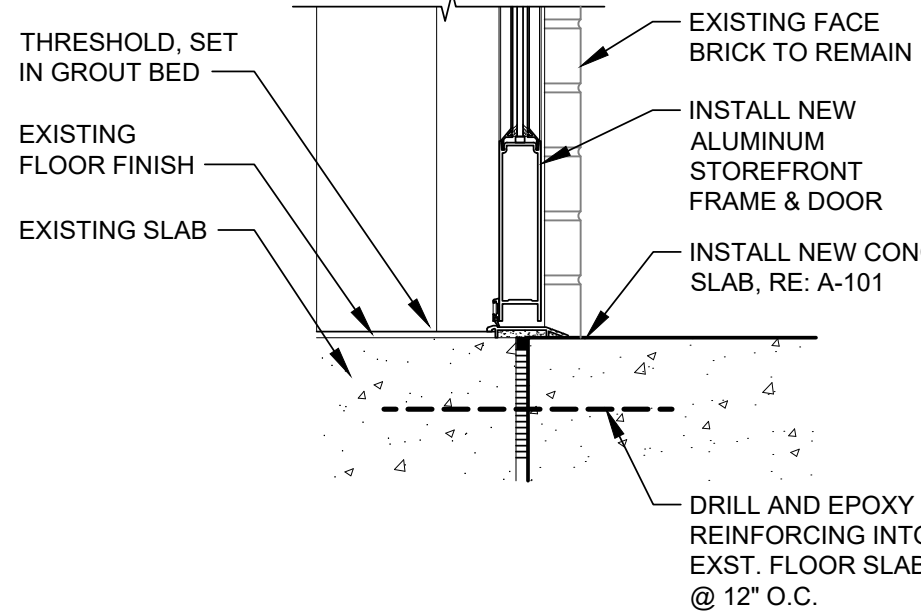
E13 WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"



N17 DOOR HEAD DETAIL - EXTR
SCALE: 1 1/2" = 1'-0"



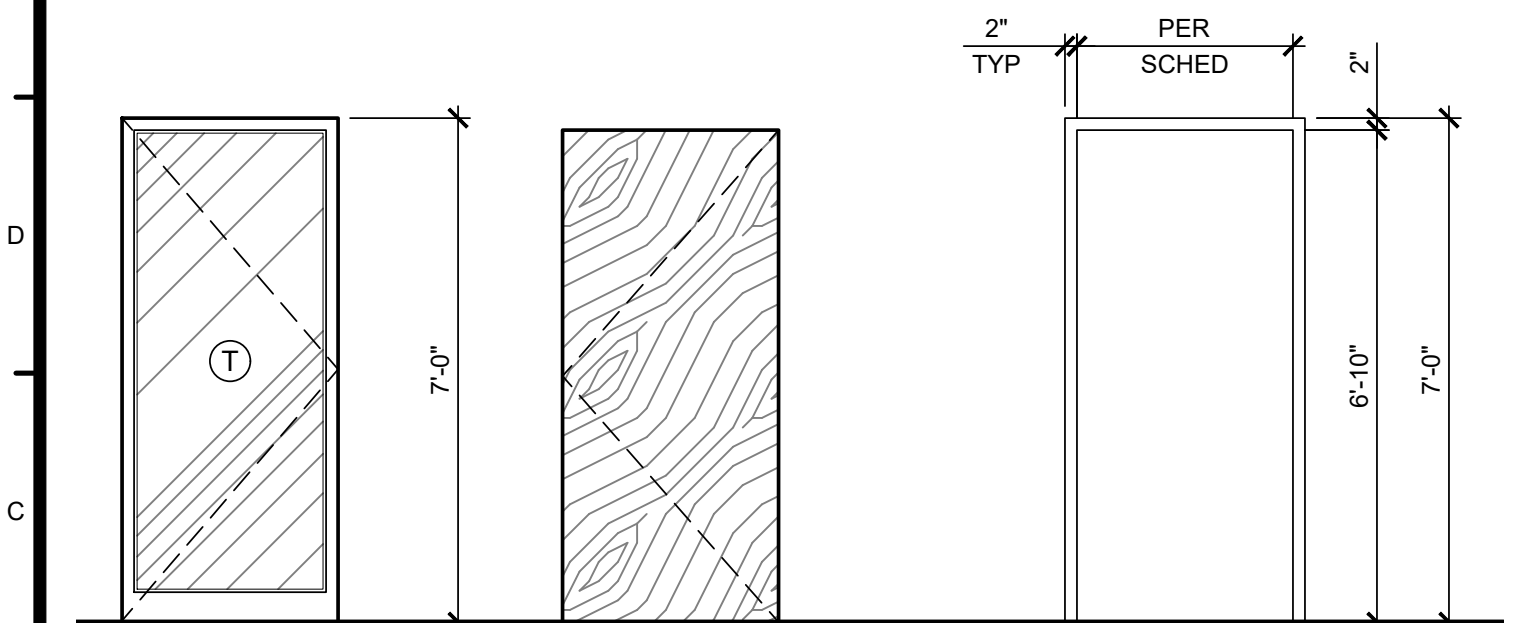
J17 DOOR JAMB DETAIL - EXTR
SCALE: 1 1/2" = 1'-0"



E17 DOOR THRESHOLD DETAIL - EXTR
SCALE: 1 1/2" = 1'-0"

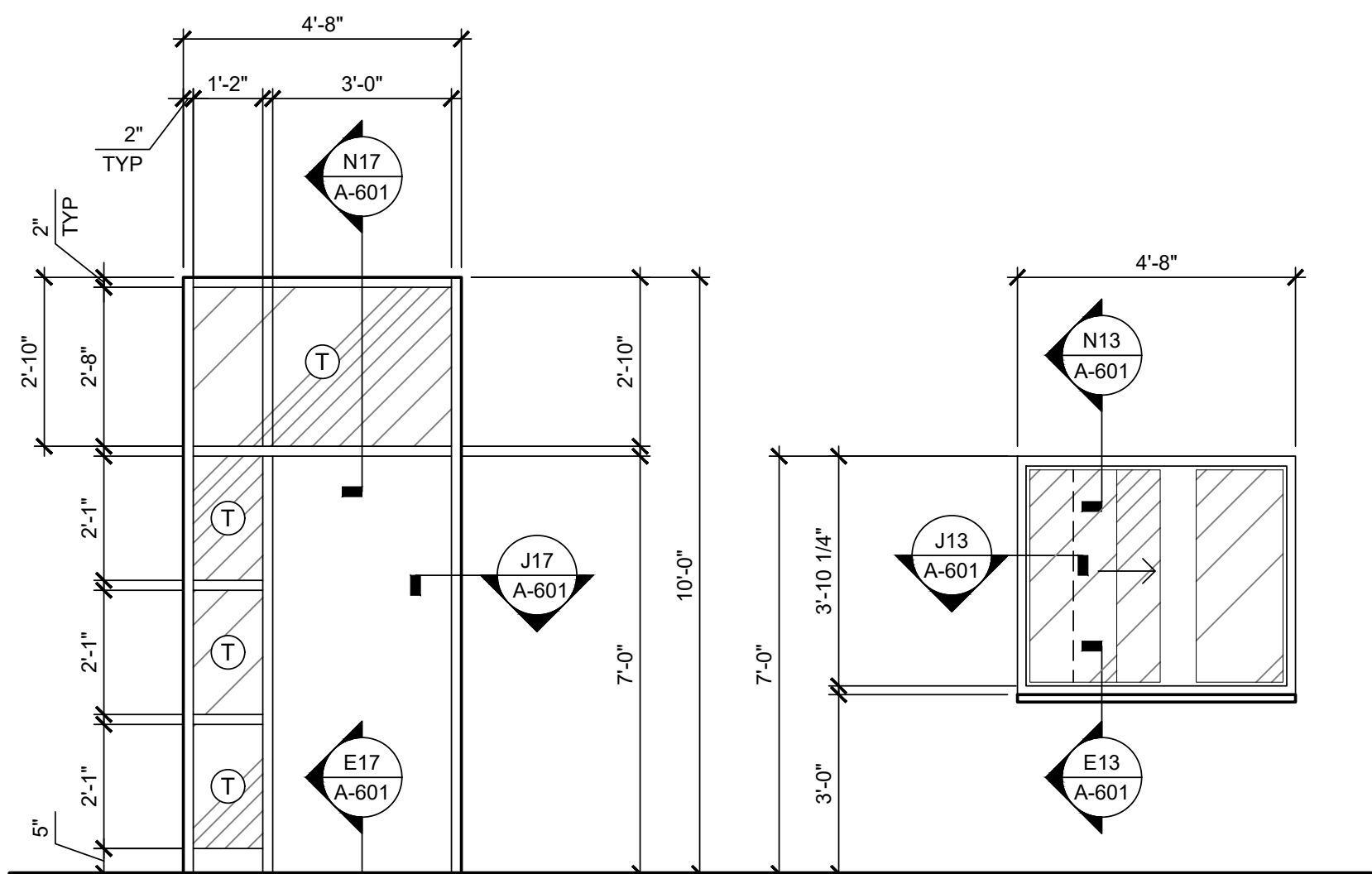
DOOR HARDWARE SCHEDULE

HARDWARE SET NUMBER 1			NOTES: 1. VERIFY ALL HARDWARE, INCLUDING FINISHES, WITH OWNER.
1 1/2 PR	- BUTT HINGES		
1	- OFFICE LEVER LOCKSET (KEYED W/ PUSH BUTTON OR TURN LOCK)		
1	- WALL STOP		
3	- SILENCERS		



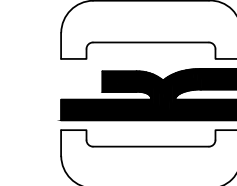
NOTE:
1. (T) DENOTES TEMPERED GLASS.
2. GLAZING SHALL MEET REQUIREMENTS OF SAFETY GLAZING IN HAZARDOUS LOCATIONS PER 2018 IBC SECTIONS 2406, 2406.3 & 2406.4

A1 DOOR & FRAME TYPES
SCALE: 3/8" = 1'-0"



A12 WINDOW ELEVATIONS
SCALE: 3/8" = 1'-0"

WARMAN ARCHITECTURE+DESIGN
1735 SWIFT AVE.
NORTH KANSAS CITY, MISSOURI 64116
V. 816.474.2233 F. 816.474.1051



Missouri State Certificate of Authority #ARC 000745



SUMMIT BEHAVIORAL HEALTHCARE

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DOOR SCHEDULE & DETAILS

Monte Cristo II, LLC
1804 Swift St., Suite 101
North Kansas City, MO 64116

REVISIONS

#	BY	DATE	SOURCE

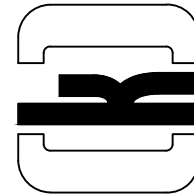
DATE: 07.05.2023
DESIGNED BY: KAW
DRAWN BY: cdt
APPROVED BY: KAW

SHEET NUMBER

A-601

JOB NUMBER

5953-23



JUSTIN R. SMOTHERS
PE-2012003566
PROFESSIONAL ENGINEER

08-07-2023

REVISIONS		SOURCE	
#	BY	DATE	

DATE: 08.07.23
DESIGNED BY: JSC
DRAWN BY: JSC
APPROVED BY: JRS

SHEET NUMBER

M-001

JOB NUMBER

23-082

MECHANICAL SPECIFICATIONS

1. GENERAL PROVISIONS:

- PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE MECHANICAL SYSTEMS OUTLINED.
- OBTAIN ALL PERMITS, FEES, LICENSES, INSPECTIONS, AND CERTIFICATIONS OF COMPLIANCE OR APPROVAL AS REQUIRED BY AUTHORITIES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS OF THE GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE SITE.
- ALL TESTING REQUIRED BY AUTHORITIES SHALL BE CONSIDERED PART OF THIS WORK.
- DURING CONSTRUCTION, ALL FIXTURES, EQUIPMENT, PIPE, DUCT, ETC. SHALL BE COVERED, PLUGGED, OR CAPPED AS REQUIRED TO KEEP CLEAN AND UNDAMAGED. ALL DAMAGED ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION OR REPLACED. ALL PROTECTIVE COVERING SHALL BE REMOVED BEFORE FINAL ACCEPTANCE.
- PROVIDE ALL NECESSARY CUTTING AND PATCHING OF WALLS, FLOORS, CEILINGS, AND ROOFS AS NECESSARY. PATCH AROUND ALL OPENINGS SHALL MATCH ADJACENT AREA. COORDINATE ALL ROOFING WORK WITH OWNER OR RESPONSIBLE PARTY, SO THAT THE EXISTING ROOFING WARRANTY WILL BE MAINTAINED.
- CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST DEFECT FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE.
- INSPECTION OF THE SITE: THIS CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE MEP DRAWINGS, SPECIFICATIONS, DETAIL, AND THE SITE. THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SPECIAL OR UNUSUAL PROBLEMS, CONFLICTS, OR OBSTRUCTIONS THAT AFFECT HIS BID.
- FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE MECHANICAL AND PLUMBING DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS AND FITTINGS REQUIRED FOR INSTALLATION. DO NOT SCALE DRAWINGS. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DATA AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE MECHANICAL WORK INTERFACES WITH OTHER TRADES.
- IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS OR WITH CODE REQUIREMENTS, THE NOTE OR CODE WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR HIGHER STANDARD SHALL PREVAIL.
- INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE FOR EXPOSED WORK. COORDINATE WITH WORK OF OTHER SECTIONS. COMPLY WITH APPLICABLE REGULATIONS AND CODE REQUIREMENTS. PROVIDE PROPER CLEARANCES FOR SERVICES.
- INCLUDE ALL BASIC MATERIALS AND CONSTRUCTION METHODS INCLUDING PIPES, PIPE FITTINGS, AND SPECIALTIES AND SUPPORTING DEVICES, VALVES, PIPE AND VALVE IDENTIFICATION, PUMPS, VIBRATION ISOLATION, ETC.
- FURNISH ADEQUATE ACCESS PANELS AND DOORS TO ALLOW FOR FUTURE PIPING ALTERATIONS, REPLACEMENT, AND MAINTENANCE OF PIPING. PROPERLY IDENTIFY ALL ACCESS PANELS AND DOORS.

2. INSULATION AND DUCT LINING:

- DUCTWORK INSULATION:
 - DUCT COVERING: 3/4 LB/CF, FIBERGLASS BLANKET WITH FACTORY APPLIED VAPOR BARRIER AND FACING. THICKNESS AS SCHEDULED, INSTALLATION IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. DUCT COVERING SHALL BE MINIMUM R-6.
 - SUPPLY AIR DUCT: 2"

3. TESTING, BALANCING AND CLEANING:

- ALL PIPING SHALL BE TESTED FOR LEAKS BEFORE BEING CONCEALED IN WALL CONSTRUCTION OR COVERED WITH INSULATION.
- DUCTWORK AND PIPING SHALL BE BALANCED BY QUALIFIED BALANCING PERSONNEL WHO HAVE PREVIOUS EXPERIENCE WITH BALANCING PROCEDURES AND ARE FAMILIAR WITH TESTING AND BALANCING PROCEDURES OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB).
 - BALANCING SHALL INCLUDE THE BALANCING OF THE EQUIPMENT AND AIR DISTRIBUTION SYSTEMS TO PROVIDE DESIGN QUANTITIES INDICATED AND VERIFICATION PERFORMANCE OF ALL EQUIPMENT AND AUTOMATIC CONTROLS.
 - WITH IN 30 DAYS OF THE COMPLETION OF THE TESTING AND BALANCING WORK, SUBMIT THE TEST AND BALANCING REPORT BEARING THE SIGNATURE OF THE TEST AND BALANCE ENGINEER. THE REPORTS SHALL BE CERTIFIED PROOF THAT THE SYSTEMS HAVE BEEN TESTED, ADJUSTED, AND BALANCED IN ACCORDANCE WITH THE REFERENCED STANDARDS; ARE AN ACCURATE REPRESENTATION OF HOW THE SYSTEMS HAVE BEEN INSTALLED AND ARE OPERATING. REPORTS SHALL BE BOUND IN A VINYL BINDER AND THE BINDER LABELLED OR MAY BE AN ELECTRONIC PDF SUBMITTAL.

4. DUCTWORK:

- ALL DUCTWORK UNLESS OTHERWISE INDICATED SHALL BE FABRICATED FROM GALVANIZED SHEET STEEL COMPLYING WITH ASTM A 527, LOCKFORMING QUALITY, WITH 660 ZINC COATING IN ACCORDANCE WITH ASTM A 525, AND MILL PHOSPHATIZED FOR EXPOSED LOCATIONS.
- DUCTWORK METAL GAUGES, REINFORCING, ETC SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS," LATEST EDITION FOR A 2" WATER GAUGE STATIC PRESSURE.
- ALL FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS," LATEST EDITION.
- RECTANGULAR DUCT:
 - ELBOWS, UNLESS INDICATED OTHERWISE, SHALL BE CONSTRUCTED WITH CENTERLINE RADIUS OF NOT LESS THAN 1.5 DUCT WIDTH OR SQUARE ELBOWS WITH DOUBLE WALL STREAMLINE ELBOWS. TAKE-OFF FITTINGS: BRANCH DUCT TAKE-OFF FITTINGS FOR SUPPLY AND EXHAUST DIFFUSER/REGISTERS SHALL INCLUDE AN INTEGRAL MANUAL VOLUME DAMPER WITH LOCKING QUADRANT, DAMPER NOT REQUIRED ON RETURN AIR. FOR RECTANGULAR TO ROUND TAKE-OFFS, UTILIZE A "BUCKLEY" MODEL 3300 & 3300D OR EQUAL.
 - RETURN AIR ACOUSTIC ELBOWS AND SOUND BOOTS SHALL BE A SQUARE ELBOW WITH NO TURNING VANES.
 - SLOPES FOR TRANSITIONS OR OTHER CHANGES IN DIMENSIONS SHALL BE A MINIMUM 1 TO 3.
- ROUND DUCT (SEE INSULATION SECTION FOR SPIRAL DUCT):
 - PROVIDE RADIUS TYPE FITTINGS FABRICATED OF MULTIPLE SECTIONS WITH MAXIMUM 15 DEGREE CHANGE OF DIRECTION PER SECTION. UNLESS SPECIFICALLY DETAILED OTHERWISE, USE 45 DEGREE LATERALS FOR BRANCH TAKEOFF CONNECTIONS. WHERE 90 DEGREE BRANCHES ARE INDICATED PROVIDE CONICAL TYPE TEES.
 - SLOPES FOR TRANSITIONS OR OTHER CHANGES IN DIMENSIONS SHALL BE MINIMUM 1 TO 3.
 - ROUND LONGITUDINAL SEAM DUCT: USE FOR RIGID METAL DUCT ON LEAVING SIDE OF DUCT IN CONCEALED LOCATIONS FOR EXTENSION TO FLEX FOR DIFFUSERS.
- SEAL ALL CONCEALED DUCTWORK JOINTS WITH NON-HARDENING, NON-MIGRATING MASTIC SEALANT, AS RECOMMENDED FOR SEALING SEAMS AND JOINTS IN DUCTWORK. OIL BASED CAULKING AND GLAZING COMPOUNDS SHALL NOT BE ACCEPTABLE. DUCTS SHALL BE SEALED TO THE CLASS LEVEL LISTED BELOW:

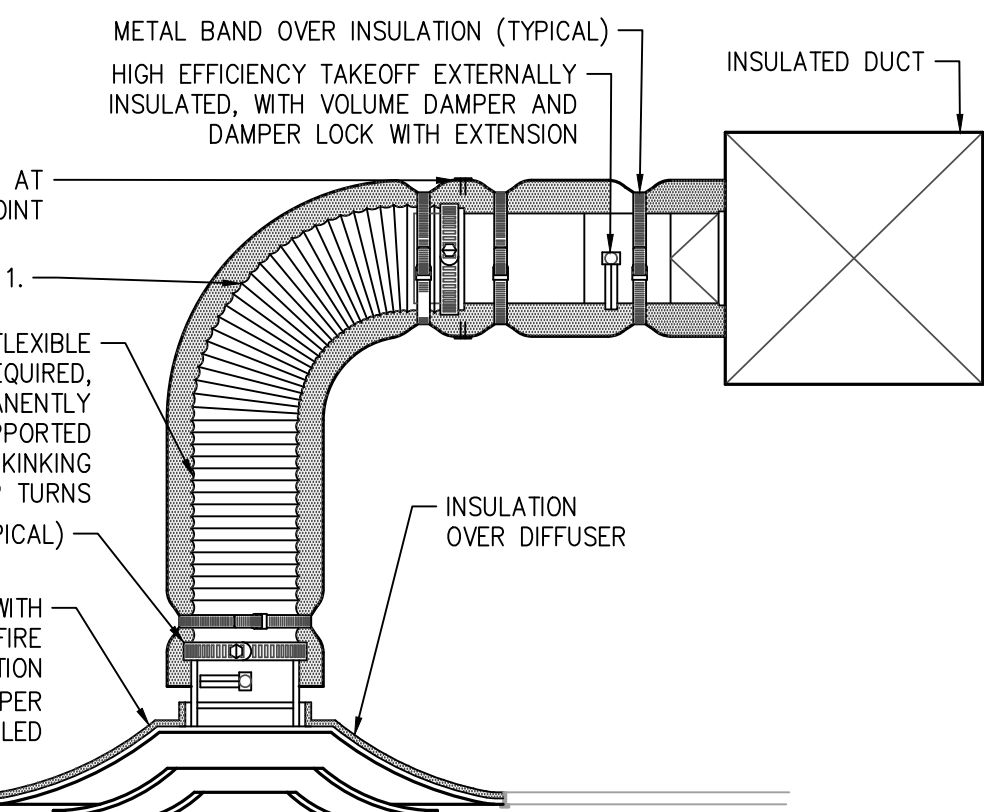
(1) UNCONDITIONED SPACES:	CLASS B	CLASS C
(2) CONDITIONED SPACES (PLENUM):	CLASS C	CLASS B
	SUPPLY 2"WC OR LESS	EXHAUST RETURN
- DUCT SIZES SHOWN ON THE DRAWINGS ARE SHEET METAL SIZES. INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
- WHETHER SHOWN ON PLANS OR NOT, PROVIDE MANUAL VOLUME DAMPERS IN EACH RUNOUT TO EACH SUPPLY DIFFUSER OR REGISTER. PROVIDE ACCESS PANELS TO DAMPERS LOCATED ABOVE HARD CEILINGS.
- PROVIDE AUXILIARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT DUCTWORK.
- WHERE DUCTS PASS THROUGH FIRE-RATED FLOORS, WALLS, OR PARTITIONS, PROVIDE FIRESTOPPING BETWEEN DUCT AND WALL.
- WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS OR EXTERIOR WALLS, AND ARE EXPOSED TO VIEW, CONCEAL SPACE BETWEEN OPENING AND DUCT OR DUCT INSULATION WITH SHEET METAL FLANGES OF SAME GAUGE AS DUCT. OVERLAP OPENING ON 4 SIDES BY AT LEAST 1-1/2". FASTEN TO DUCT AND WALL.

5. FLEXIBLE DUCT:

- ATCO #086 (R-6), OR EQUAL.
- FACTORY APPLIED INSULATION AND VAPOR BARRIER, 1-1/2" THICK.
- MAXIMUM LENGTH OF 6'-0".

6. REMODELING WORK:

- THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERRABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.
- CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND INCLUDE IN THE BID ALL COSTS REQUIRED TO MAKE THE WORK MEET EXISTING CONDITIONS.
- DISPOSAL AND CLEANUP: REMOVE FROM THE SITE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS AND EQUIPMENT NOT INDICATED TO BE SALVAGED.
- PROTECT ADJACENT MATERIALS INDICATED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER REMODELING OPERATIONS ARE COMPLETE.



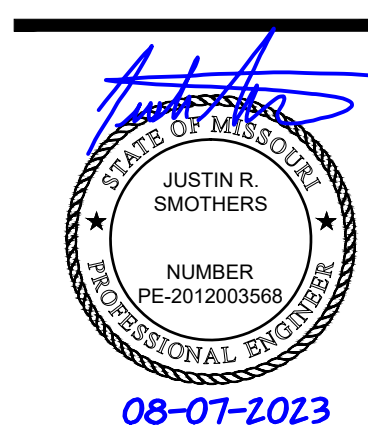
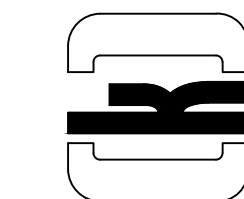
NOTES:

- EXTEND RIGID METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 6'-0". PROVIDE RIGID 90° ELBOW WHERE REQUIRED TO KEEP FLEXIBLE DUCT WITHIN 6'-0" LENGTH LIMITATION.

LAY-IN CEILING DIFFUSER

SCALE : NO SCALE

1



08-07-2023

SUMMIT BEHAVIORAL HEALTHCARE

3340 NE RALPH POWELL RD
LEE'S SUMMIT, MO 64064

MECHANICAL PLAN

Monte Cristo II, LLC
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[illegible]

DATE:	08.07.2018
DESIGNED BY:	JRS
DRAWN BY:	JRS
APPROVED BY:	JRS

SHEET NUMBER

M-101

JOB NUMBER

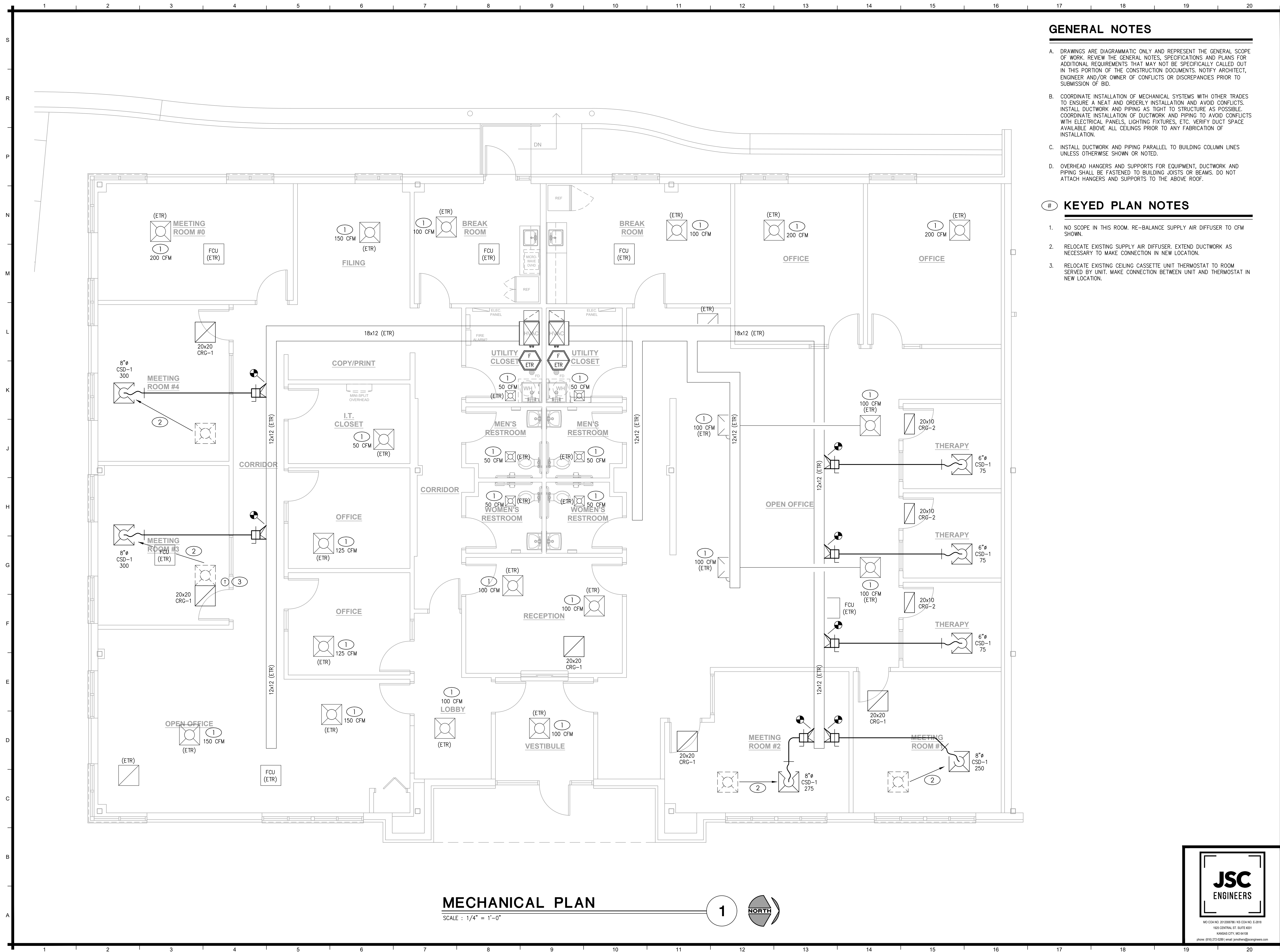
23-082

GENERAL NOTES

- A. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT/ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- B. COORDINATE INSTALLATION OF MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION AND AVOID CONFLICTS. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. VERIFY DUCT SPACE AVAILABLE ABOVE ALL CEILINGS PRIOR TO ANY FABRICATION OF INSTALLATION.
- C. INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.
- D. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE ROOF.

KEYED PLAN NOTES

1. NO SCOPE IN THIS ROOM. RE-BALANCE SUPPLY AIR DIFFUSER TO CFM SHOWN.
2. RELOCATE EXISTING SUPPLY AIR DIFFUSER. EXTEND DUCTWORK AS NECESSARY TO MAKE CONNECTION IN NEW LOCATION.
3. RELOCATE EXISTING CEILING CASSETTE UNIT THERMOSTAT TO ROOM SERVED BY UNIT. MAKE CONNECTION BETWEEN UNIT AND THERMOSTAT IN NEW LOCATION.



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SYMBOLS LEGEND

NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ETC, ARE NECESSARILY USED ON THE DRAWINGS.

LIGHTING FIXTURES – SYMBOL/LETTER INDICATES LIGHT FIXTURE AS INDICATED ON FIXTURE SCHEDULE

- LED FIXTURE (SEE LIGHTING FIXTURE SCHEDULE)
- FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT TRACK LIGHT
- DOWNLIGHT FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
- WALL MOUNTED FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
- PENDANT MOUNTED FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
- DOWNLIGHT FIXTURE
- WALL MOUNTED FIXTURE
- PENDANT MOUNTED FIXTURE
- WALL WASHER
- SINGLE FACE EXIT SIGN – UNIVERSAL MOUNTED
- SINGLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS – UNIVERSAL MTD
- DOUBLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS – UNIVERSAL MTD
- DUAL HEADED EMERGENCY UNIT
- COMBO DUAL HEADED EMERGENCY AND EXIT SIGN UNIT

LIGHTING CONTROLS

- S SINGLE POLE SWITCH @ +48" UNLESS NOTED
- Sabc SWITCH BANK @ +48" UNLESS NOTED. LOWER CASE LETTER INDICATES FIXTURE CONTROLLED.
- S3 3-WAY SWITCH @ +48" UNLESS NOTED
- S4 4-WAY SWITCH @ +48" UNLESS NOTED
- Sd DIMMER SWITCH – SIZE AS REQUIRED @ +48" UNLESS NOTED
- Sm MANUAL MOTOR STARTER
- Sos WALL SWITCH WITH OCCUPANCY SENSOR. DIGITAL LOW VOLTAGE WALL SWITCH. SWITCH @ +48" UNLESS NOTED.
- SLV TWO BUTTON DIGITAL LOW VOLTAGE WALL SWITCH. PROVIDES ON/OFF/0–10V DIMMING. SWITCH @ +48" UNLESS NOTED. PROVIDE EXTRA CONTROL CABLES NEEDED TO FIXTURE CONTROLLED.
- CS LIGHTING CONTROLS CEILING MOUNT OCCUPANCY SENSOR
- PC LIGHTING CONTROLS POWER PACK
- PH PHOTOCELL
- TC TIMECLOCK
- LC LIGHTING CONTACTOR

POWER DISTRIBUTION

- SWITCHBOARD, MOTOR CONTROL CENTER OR DISTRIBUTION BOARD
- 277/480V, 3 PHASE, 4 WIRE PANELBOARD, UNO
- 120/208V, 3 PHASE, 4 WIRE PANELBOARD, UNO
- 120/240V, 1 PHASE, 3 WIRE PANELBOARD, UNO
- TRANSFORMER

POWER DEVICES

- SPECIAL HEAVY DUTY RECEPTACLE – SIZE AS NOTED. @ +18" UNLESS NOTED
- 1/2 SWITCHED RECEPTACLE @ +18" UNLESS NOTED
- FIRE RATED POKE THRU WITH TYPE INDICATED
- FLUSH FLOOR BOX WITH TYPE INDICATED
- SINGLE RECEPTACLE @ +18" UNLESS NOTED
- DUPLEX RECEPTACLE @ +18" UNLESS NOTED
- DOUBLE DUPLEX RECEPTACLE @ +18" UNLESS NOTED
- DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP
- GFCI-RATED DUPLEX RECEPTACLE
- ARC FAULT RATED DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE WITH WEATHERPROOF COVERPLATE @ 18" UNLESS NOTED
- 4-PORT USB RECEPTACLE – LEGRAND TM8USB4WC6
- JUNCTION BOX
- DISCONNECT SWITCH – SIZE AND TYPE NOTED
- COMBINATION FUSED STARTER DISCONNECT SWITCH FUSE SIZE AS INDICATED, STARTER SIZE '1'

AUXILIARY SYSTEMS

- MECHANICAL EQUIP. CONNECTION, SEE SCHED. ON MECH. PLAN
- TELEPHONE OUTLET @ +18" UNLESS NOTED
- DATA OUTLET @ +18" UNLESS NOTED
- COMBINATION TELEPHONE/DATA OUTLET @ +18" UNLESS NOTED
- TELEVISION OUTLET @ +60" UNLESS NOTED
- SMOKE DETECTOR
- HEAT DETECTOR
- DUCT SMOKE DETECTOR
- REMOTE TEST STATION WITH INDICATING LIGHT. MOUNT AT 48" AFF UNO.
- AUXILIARY SYSTEM TERMINAL CABINET
- CONNECTION POINT OF NEW WORK TO EXISTING

GENERAL

- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
- CONDUIT RUN BELOW FLOOR OR GRADE
- HOMERUN TO PANELBOARD, INFORMATION AT ARROWS ARE CIRCUIT NUMBERS AND PANELBOARD FOR TERMINATION. REFER TO ASSOCIATED NOTE FOR BRANCH CIRCUIT CONDUCTOR SIZES.
- INDICATES 1/2" CONDUIT CONCEALED IN CEILING OR WALL WITH (3) CONDUCTORS. (1) PHASE, (1) NEUTRAL AND (1) GROUND WIRE. ALL ARE #12 AWG UNLESS NOTED OTHERWISE.
- (E) OR ETR: DENOTES EXISTING ITEM/EQUIPMENT TO REMAIN

ELECTRICAL SPECIFICATIONS

PART II – PRODUCTS AND EXECUTION

A. MATERIALS

- ALL MATERIALS SHALL BE NEW AND OF QUALITY AS SPECIFIED ON THE PLANS OR SPECIFICATIONS AND MUST CARRY THE UNDERWRITER'S LABORATORIES APPROVAL COVERING THE PURPOSE FOR WHICH THEY ARE USED, IN ADDITION TO MEETING ALL REQUIREMENTS OF THE CURRENT APPLICABLE CODES AND REGULATIONS.
- SHOP DRAWINGS AND APPROVALS
 - THE ITEMS SPECIFIED HEREIN AND ON DRAWINGS ARE USED AS A STANDARD OF QUALITY. ANY MATERIALS OF EQUAL QUALITY AND AESTHETIC VALUE WILL BE GIVEN CONSIDERATION AS A SUBSTITUTE FOR THE MATERIALS SPECIFIED. NO APPROVAL WILL BE GIVEN TO A SPECIFIC CATALOG NUMBER, MODEL, OR TYPE OF EQUIPMENT, PRIOR TO BIDDING. AFTER BIDDING, THE DECISION OF THE ARCHITECT AND/OR ENGINEER DETERMINING EQUAL MATERIALS WILL BE FINAL.
 - THE CONTRACTOR SHALL SUBMIT (3) IDENTICAL BOUND SETS OF SHOP DRAWINGS ON THE FOLLOWING ITEMS TO THE G.C.:
 - LIGHTING FIXTURE CUTS AND PERFORMANCE DATA.
 - OUTLINE DRAWINGS AND DATA SHEETS OF EACH PANELBOARD, LOAD CENTERS, AND DISTRIBUTION PANELS.
 - OUTLINE DRAWINGS OF ALL SWITCH GEAR COMPONENTS.
 - WIRING DEVICES AND COVERPLATES.
 - ALL CIRCUIT BREAKERS INSTALLED IN PANELBOARDS, LOAD CENTERS, AND DISTRIBUTION PANELS.

C. SYSTEM GROUNDING

- GROUNDING SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 250. ALL EXPOSED NONCURRENT CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, METALLIC RACEWAY SYSTEMS, METALLIC CABLE ARMOR, GROUNDING CONDUCTOR OF NONMETALLIC SHEATHED CABLES, GROUNDING CONDUCTOR IN NONMETALLIC RACEWAYS, AND GROUNDING CONDUCTORS OF THE WIRING SYSTEM SHALL BE GROUNDING.
- GROUNDING CONDUCTOR (NEUTRAL) OF THE WIRING SYSTEM SHALL BE CONNECTED TO THE SYSTEM GROUNDING CONDUCTOR AT A SINGLE PLACE IN EACH SYSTEM BY REMOVABLE BONDING JUMPERS, SIZED ACCORDING TO THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE. THE GROUNDING CONDUCTOR (NEUTRAL) TO THE GROUNDING CONDUCTOR CONNECTION SHALL BE LOCATED IN THE ENCLOSURE FOR THE SYSTEM'S OVERCURRENT PROTECTION OR WHERE OTHERWISE INDICATED ON THE PLANS OR SPECIFICATIONS.
- A GROUND BUS SEPARATE FROM THE NEUTRAL BUS SHALL BE PROVIDED IN ALL DISTRIBUTION PANELS AND PANELBOARDS. PROPER TORQUE ON GROUND BUS SHALL BE VERIFIED, PER MANUFACTURER'S RECOMMENDATIONS, PRIOR TO ENERGIZING EQUIPMENT.
- GROUND BUSES AND NEUTRAL BUSES IN ALL DISTRIBUTION PANELS, LOAD CENTERS, PANELBOARDS, AND THOSE PROVIDED IN ANY EQUIPMENT SHALL BE ISOLATED EXCEPT WHERE REQUIRED TO BE CONNECTED AS SPECIFIED ABOVE FOR THE SERVICE ENTRANCE.
- WHEN INDICATED ON THE DRAWINGS, EQUIPMENT GROUNDING CONDUCTORS SHALL BE EXTENDED FROM THE GROUND BUS IN THE DISTRIBUTION EQUIPMENT TO THE RECEPTACLE, FIXTURE OR DEVICE LOGS WHERE THEY ARE PROVIDED. WHERE LOGS ARE NOT PROVIDED, EQUIPMENT GROUNDING CONDUCTORS SHALL BE CONNECTED TO EQUIPMENT ENCLOSURES. THE CONNECTIONS SHALL BE ARRANGED SUCH THAT REMOVAL OF THE RECEPTACLE, EQUIPMENT GROUND CONDUCTORS, OR GROUND JUMPERS FROM GROUND BUSING SHALL NOT AFFECT THE GROUND SYSTEM.
- RACEWAYS MAY NOT BE USED AS A GROUNDING CONDUCTOR FOR POWER AND LIGHTING CIRCUITS. ALL CONDUIT SHALL HAVE SEPARATE CODE SIZED GREEN GROUND WIRE INSTALLED IN THE CONDUIT TO INSURE A CONTINUOUS GROUNDING PATH.
- IN INACCESSIBLE LOCATIONS, MAKE CONNECTIONS BY EXOTHERMIC WELD PROCESS.
- IN ACCESSIBLE LOCATIONS, CONNECTIONS SHALL BE MADE WITH BOLTED THROUGH, APPROVED SOLDERLESS BRONZE GROUNDING DEVICES.

D. WIRE

- CONDUCTOR SIZES SHOWN ON THE DRAWINGS ARE BASED ON COPPER WIRE. UNLESS OTHERWISE SPECIFIED, ALL WIRE SHALL BE TYPE XHHW OR SE FOR FEEDERS OR BRANCH CIRCUITS LARGER THAN 4 AWG, TYPE THHN/THWN INSULATION FOR FEEDERS AND BRANCH CIRCUITS 4 AWG AND SMALLER. ALL BRANCH CIRCUIT WIRING SHALL BE COPPER.
 - ALUMINUM CONDUCTORS MAY BE UTILIZED FOR SERVICE ENTRANCE AND PANEL FEEDERS. CONDUCTORS SHALL BE ALUMINUM ALLOY AA-8000 SERIES.
- THE WIRES SHALL BE MARKED WITH COLOR TO SIMPLIFY CIRCUIT IDENTIFICATION. UNLESS OTHERWISE REQUIRED BY LOCAL ORDINANCES GROUND WIRES SHALL BE GREEN, NEUTRAL WIRES SHALL BE 120V-WHITE [277V-GREY], LIVE WIRES 480Y/277V SHALL BE BROWN (PHASE A), ORANGE (PHASE B), AND YELLOW (PHASE C); AND LIVE WIRES 208Y/120V AND 120/240V SHALL BE BLACK (PHASE A), RED (PHASE B), AND BLUE (PHASE C). WHERE BOTH 208Y/120V AND 120/240V EXIST IN THE SAME BUILDING, THE CONDUCTORS OF EACH CONFIGURATION SHALL BE SEPARATELY IDENTIFIED (NOT THE SAME COLORS). "HIGH-LEG" PHASE OF DELTA SYSTEM SHALL ALWAYS BE MARKED ORANGE. CIRCUIT SHALL BE LABELED IN EACH J-BOX.
- ALL CONDUCTORS SHALL BE RATED 600 VOLT.
- SPLICES IN EXTERIOR PULL BOXES AND MANHOLES SHALL BE WEATHERPROOF USING "SCOTCHCAST" SPlice KIT OR APPROVED EQUAL. SEAL ENDS OF CONDUITS AND DUCTS WITH "DUCTSEAL" OR APPROVED EQUAL.
- PROVIDE SOLID CONDUCTOR FOR 10 AWG AND SMALLER.
- NO WIRE SHALL BE INSTALLED IN THE CONDUIT SYSTEM UNTIL THE CONDUIT SYSTEM IS COMPLETE. USE MINERALAC NO. 100 OR EQUIVALENT AS A LUBRICANT TO FACILITATE THE INSTALLATION OF THE CONDUCTORS IN THE CONDUIT SYSTEM.
- MC CABLE WITH COPPER CONDUCTORS AND GROUND WIRE MAY BE USED WHERE PERMITTED.

E. CONDUIT

- ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC CONDUIT EXCEPT AS PERMITTED IN OTHER SECTIONS. RGS, WITH A 20 MIL PVC COATING WILL BE USED WHEN IN CONTACT WITH EARTH. IMC MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH THE EARTH. ENT MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH EARTH, NOT IN CONCRETE SLABS OR WALLS AND NOT SUBJECT TO DAMAGE. PVC MAY BE USED IN OR BELOW CONCRETE AND DIRECT BURIED IN EARTH. FLEXIBLE STEEL CONDUIT SHALL BE USED FOR INDOOR FINAL CONNECTIONS TO EQUIPMENT IN LENGTHS NOT TO EXCEED 72". LIQUID-TIGHT FLEXIBLE STEEL CONDUIT SHALL BE FOR OUTDOOR FINAL CONNECTIONS TO EQUIPMENT NOT TO EXCEED 48".
- WHERE CONDUIT ENTERS OUTLET BOXES, FIXTURES OR CABINETS, FIRMLY FASTEN WITH STEEL SET SCREW, COMPRESSION CONNECTORS, OR DOUBLE LOCKNUTS FOR GRC. ALL CONNECTIONS SHALL HAVE BUSHINGS OR INSULATED THROAT CONNECTORS. FIRMLY FASTEN CONDUIT TO THE BUILDING CONSTRUCTION, RUN EXPOSED CONDUIT PARALLEL TO THE BUILDING LINES, SUPPORTED BY APPROPRIATE HANGERS (UNISTRUT, T & B OR APLETTON, OR EQUAL).
- COVER METALLIC CONDUIT IN CONTACT WITH EARTH WITH POLYETHYLENE TAPED SPIRAL WRAPPED, 1/2 LAPPED TO PROVIDE 20 MIL THICKNESS. TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUIT AND DUCTS NOT UNDER BUILDINGS AND FEEDER DUCTS SHALL BE INSTALLED PER N.E.C. 300-5. MAKE JOINTS WITH COMPOUND TO BE WATERTIGHT.
- SCHEDULE 40 PVC CONDUIT SHALL BE PERMITTED UNDERGROUND WITH PROPER FITTINGS, ALL UL APPROVED AND CEMENTED JOINTS. PENETRATIONS THROUGH FLOOR SLABS AND BENDS GREATER THAN 22" SHALL BE WRAPPED RIGID GALVANIZED STEEL ELBOWS.
- FITTINGS AND CONDUIT BODIES SHALL BE STEEL. DIECAST FITTINGS ARE NOT ACCEPTABLE.
- CONDUIT SIZES SHALL BE AS REQUIRED BY CODE AND AS INDICATED OR SPECIFIED.
- ALL EMPTY CONDUIT SYSTEMS SHALL HAVE A 200 LB. TEST NYLON PULL STRING TO FACILITATE INSTALLATION OF FUTURE WIRE.
- WIRING, CONDUITS, AND OUTLETS SHALL BE CONCEALED WITH THE BUILDING STRUCTURE, EXCEPT THAT CERTAIN MOTOR AND LIGHTING FEEDER CONDUITS MAY BE RUN EXPOSED IN CERTAIN AREAS AS INDICATED ON THE DRAWINGS.
- CONDUIT PENETRATION THROUGH ROOF SHALL HAVE ROOF FLASHING WITH CAULK TYPE COUNTER FLASHING SLEEVE. INSTALLATION SHALL BE WATERTIGHT.
- CONDUITS SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE STRUCTURE.

F. OUTLET, PULL, AND JUNCTION BOXES

- EACH SWITCH, LIGHT, RECEPTACLE OR OTHER OUTLET, SHALL BE PROVIDED WITH A CODE SIZED, STEEL OUTLET BOX. JUNCTION AND PULL BOXES SHALL BE METAL AND CODE SIZED.
- BOXES INSTALLED IN POURED CEMENT FLOORS SHALL BE FLUSH TYPE CAST IRON OR STEEL WITH WATERTIGHT GASKETED COVERS. WHERE BOXES ARE INSTALLED IN FLOORS WITH TILE OR CARPET FLOOR COVERING, COVERS SHALL BE OF THE RECESSED TYPE TO ACCOMMODATE THE FLOOR COVERING.
- BOXES INSTALLED FOR THE ALARM, COMPUTER, AND SECURITY SYSTEM SHALL BE PROVIDED WITH APPROPRIATE COVER PLATES.
- BOXES FOR TELEPHONE, COMPUTER, T.V., FIRE ALARM, SECURITY, AND SIMILAR SYSTEMS SHALL BE MINIMUM 2-1/8" DEEP.

G. WIRING DEVICES (COMMERCIAL)

- WALL SWITCHES SHALL BE SPECIFICATION GRADE AC SILENT TYPE SWITCHES, 20A 120/277 VOLT.
- RECEPTACLES SHALL BE SPECIFICATION GRADE, DUPLEX TYPE, NEMAS-20R, 20 AMPERE, 120VOLT GROUNDING TYPE. SPECIAL APPLICATION RECEPTACLES SHALL BE INDICATED ON PLANS. MOUNT WITH THE GROUND DOWN.
- DEVICE PLATES SHALL BE EQUAL TO SIERRA SMOOTH-LINE PLASTIC WALL PLATES. COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED.
- RECEPTACLES IN OUTDOOR AND WET LOCATIONS SHALL BE INSTALLED WITH A HINGED OUTLET COVER/ENCLOSURE CLEARLY MARKED AND U.L. LISTED SUITABLE FOR WET LOCATIONS WHILE IN USE, EQUAL TO TAYMAC SPECIFICATION GRADE.

J. PANEL BOARDS

- CIRCUIT BREAKER TYPE AS INDICATED ON DRAWINGS. UNLESS INDICATED OTHERWISE, ALL PANELS SHALL HAVE PANEL BOARD TYPE CONSTRUCTION WITH BOLT-ON CIRCUIT BREAKERS FOR 3ø PANELS.
- MANUFACTURERS SHALL BE GENERAL ELECTRIC, SQUARE D, SIEMENS, CUTLER-HAMMER WITH VOLTAGE, SIZES, AND RATINGS AS INDICATED ON DRAWINGS.
- THE CIRCUIT BREAKERS SHALL BE OPERABLE IN ANY POSITION AND BE REMOVABLE FROM THE FRONT OF THE PANEL BOARD WITHOUT DISTURBING THE ADJACENT UNITS. BRANCH BREAKERS SHALL BE OF SUCH DESIGN THAT COMBINATION OF SINGLE-POLE, DOUBLE-POLE, AND THREE-POLE BREAKERS CAN BE ASSEMBLED ON THE SAME PANEL. EACH BRANCH CIRCUIT SHALL BE CLEARLY NUMBERED. BRANCH AND MAIN TERMINALS SHALL BE SOLDERLESS TYPE. HANDLE TIES TO FORM MULTI-POLE BREAKERS NOT ACCEPTABLE.

K. LIGHTING FIXTURES

- PROVIDE ALL LIGHTING FIXTURES, WIRED AND CONNECTED. THE DRAWINGS INDICATE THE FIXTURES FOR EACH LOCATION. PROVIDE LAMPS FOR ALL FIXTURES. THE LAMPS SHALL BE BY THE SAME MANUFACTURER. VERIFY CEILING CONSTRUCTION BEFORE ORDERING RECESSED UNITS. PROVIDE PLASTER FRAMES AND HANGERS AS REQUIRED. CEILING CONSTRUCTION, ARCHITECTURAL ACCESSORIES, VOLTAGE, AND DRIVERS TO MEET THE EXISTING CEILING CONDITION.

L. LIGHTING CONTROL

- FURNISH AND INSTALL TIME SWITCHES, PHOTOCELLS, CONTRACTORS AND FULL LIGHTING CONTROL SYSTEMS AS REQUIRED FOR LIGHTING CONTROLS INDICATED ON THE DRAWINGS.
- TIME SWITCHES SHALL BE EQUAL TO PARAGON, GENERAL ELECTRIC, TORK, OR INTERMATIC AND SHALL HAVE SIZE AND NUMBER OF POLES AS REQUIRED.
- PHOTOCELLS SHALL BE EQUAL TO TORK OR INTERMATIC WITH VOLTAGE AS INDICATED.

M. TELEPHONE AND CABLE TELEVISION SYSTEMS

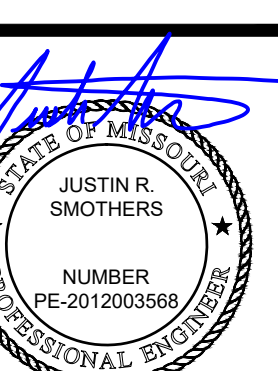
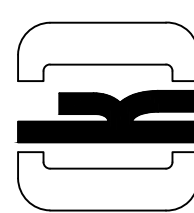
- TELEPHONE WALL OUTLETS SHALL CONSIST OF NO LESS THAN 2-1/8" DEEP BOXES MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE CABLE.
- CABLE TELEVISION OUTLETS SHALL CONSIST OF NO LESS THAN 2-1/8" DEEP BOXES MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE CABLE.

N. GUARANTEE

- GUARANTEE ALL MATERIAL FURNISHED AND ALL WORKMANSHIP PERFORMED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF WORK. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD, TRACEABLE TO MATERIAL FURNISHED AS A PART OF THIS SECTION OR WORKMANSHIP PERFORMED HEREUNDER, SHALL BE MADE GOOD AT NO EXPENSE TO THE OWNER.

O. REMODELING WORK

- THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA EXPENSES WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERRABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.
- CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND INCLUDE IN THE BID ALL COSTS REQUIRED TO MAKE THE WORK MEET EXISTING CONDITIONS.
- DEMOLITION: DISCONNECT, DEMOLISH, AND REMOVE ABANDONED MATERIALS AND EQUIPMENT INDICATED TO BE REMOVED AND NOT INDICATED TO BE SALVAGED OR REMAIN.
- DISPOSAL AND CLEANUP: REMOVE FROM THE SITE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS AND EQUIPMENT NOT INDICATED TO BE SALVAGED.
- PROTECT MATERIALS INDICATED TO REMAIN.



08-07-2023

SUMMIT BEHAVIORAL HEALTHCARE

3340 NE RALPH POWELL RD
LEE'S SUMMIT, MO 64064

ELECTRICAL
SPECIFICATIONS AND SYMBOLS

Monte Cristo II, LLC
1804 Swift St., Suite 101
North Kansas City, MO 64116

REVISIONS

#	BY	DATE	SOURCE

DATE: 08.07.23
DESIGNED BY: JSC
DRAWN BY: JSC
APPROVED BY: JRS

SHEET NUMBER

E-001

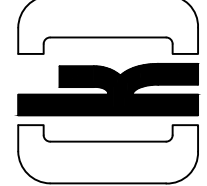
JOB NUMBER

23-082

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08-07-2023

SUMMIT BEHAVIORAL HEALTHCARE

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ELECTRICAL PLANS

Monte Cristo II, LLC
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North Kansas City, MO 64116

#	BY	DATE	SOURCE

DATE: 08.07.23
DESIGNED BY: JSC
DRAWN BY: JSC
APPROVED BY: JRS

SHEET NUMBER

E-101

JOB NUMBER

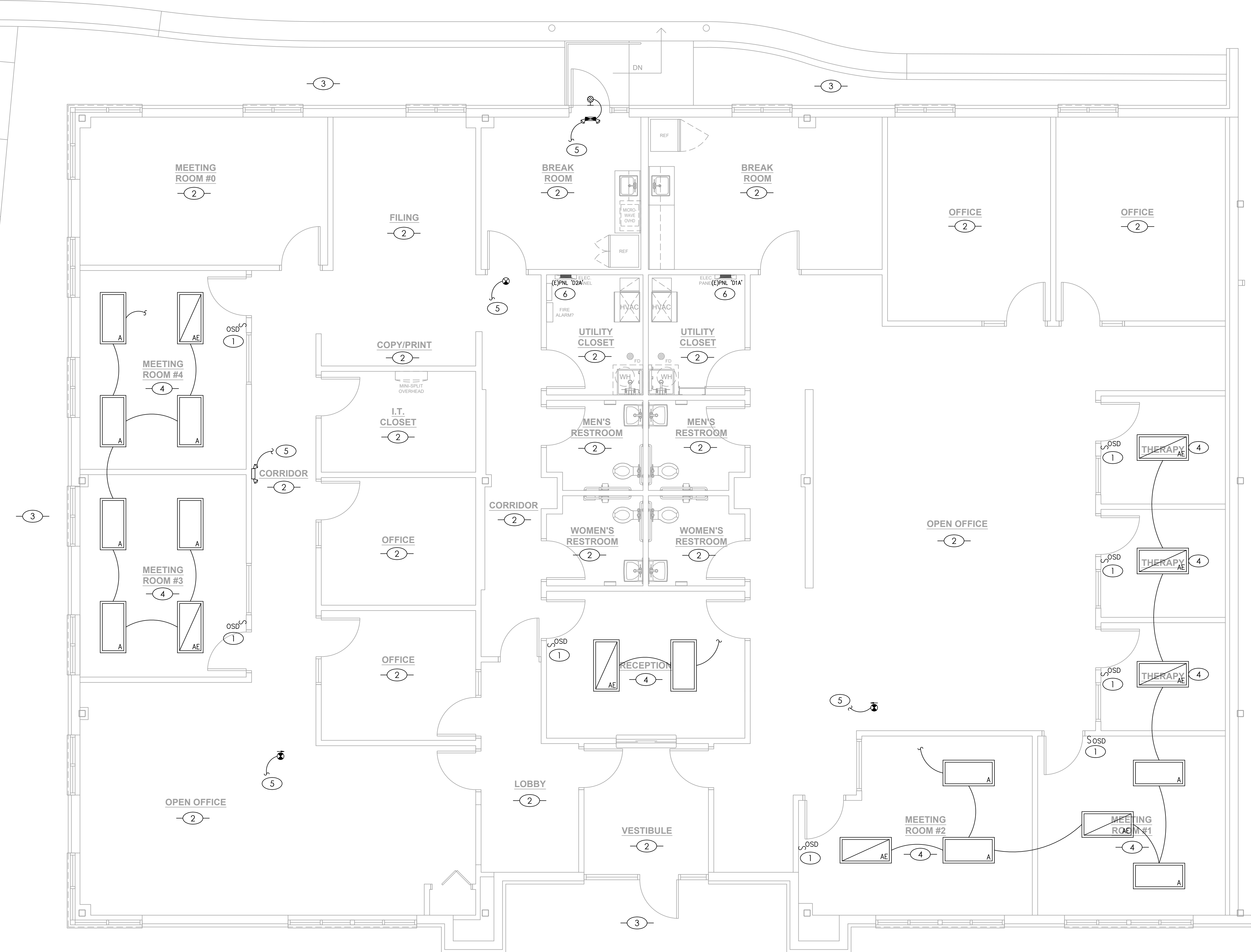
23-082

GENERAL NOTES

- EXISTING WORK SHOWN LIGHT, NEW SHOWN BOLD.
- DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
- ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL BUILDING CODES AND AMENDMENTS.
- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS.
- ALL WIRING SHALL BE IN APPROVED RACEWAY.

KEYED PLAN NOTES

- WALL SWITCH OCCUPANCY SENSOR/DIMMER, SENSORWORX SWX-100-D SERIES OR PRE-BID APPROVED EQUAL. PROVIDE AND MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND NEC REQUIREMENTS.
- EXISTING LIGHTING AND CONTROLS ARE TO REMAIN IN THIS AREA.
- EXISTING EXTERIOR LIGHTING TO REMAIN.
- INSTALL NEW 'A' FIXTURES IN NEW CEILING GRID. CONNECT TO EXISTING LIGHTING CIRCUIT PREVIOUSLY SERVING THE AREA. CONTRACTOR TO CONFIRM ADDING NEW FIXTURES WILL NOT OVERLOAD EXISTING CIRCUIT AFTER DEMO OF EXISTING FIXTURES.
- CONNECT EXIT/EMERGENCY LIGHTING UNIT TO GENERAL LIGHTING CIRCUIT SERVING ROOM. MAKE CONNECTION VIA UNSWITCHED HOT CONDUCTOR.
- EXISTING PANELBOARD TO REMAIN. SEE PANELBOARD SCHEDULES ON SHEET E201 FOR MORE INFORMATION.



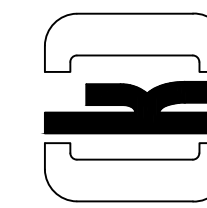
LIGHTING PLAN

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

1



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ELECTRICAL PLANS

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REVISIONS		SOURCE	
#	BY	DATE	

DATE: 08.07.23
DESIGNED BY: JSC
DRAWN BY: JSC
APPROVED BY: JRS

SHEET NUMBER

E-102

JOB NUMBER

23-082

GENERAL NOTES

- EXISTING WORK SHOWN LIGHT, NEW SHOWN BOLD.
- DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
- ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL BUILDING CODES AND AMENDMENTS.
- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS.
- ALL WIRING SHALL BE IN APPROVED RACEWAY.

KEYED PLAN NOTES

- EXISTING PANELBOARD TO REMAIN. REFER PANEL SCHEDULES ON SHEET E201 FOR INFORMATION ON NEW OFFICE CIRCUITS.
- EXISTING POWER AND CONTROLS TO REMAIN IN THIS ROOM.
- RELOCATE RECEPTACLE SERVING REFRIGERATOR TO NEW EQUIPMENT LOCATION. EXTEND CONDUIT AND WIRING AS NECESSARY TO MAKE CONNECTION IN NEW LOCATION.
- EXISTING MICROWAVE AND GENERAL COUNTER RECEPTACLES TO REMAIN. COORDINATE LOCATION WITH NEW CASEWORK.
- CONNECT NEW RECEPTACLES TO EXISTING RECEPTACLE CIRCUIT SERVING NEWLY DEMISED ROOM AND REWIRE AS INDICATED. CONTRACTOR TO CONFIRM ADDING NEW RECEPTACLES WILL NOT OVERLOAD EXISTING CIRCUIT AFTER DEMO. LABEL DEVICES WITH NEW HOMERUN.
- RELOCATE EXISTING DEVICE TO NEW LOCATION SHOWN. EXTEND CONDUIT AND WIRING AS NECESSARY TO MAKE CONNECTION IN NEW LOCATION.

POWER PLAN

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

1

