GENERAL NOTES

 ALL CONSTRUCTION SHALL CONFORM TO THE MINIMUM STANDARDS OF THE APPLICABLE CODES INDICATED IN THE BUILDING SUMMARY COLUMN AND ALL LOCAL CODES PRESENTLY IN EFFECT UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.

2. ALL NEW CONSTRUCTION SHALL COMPLY W/ THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND CHAPTER 11 OF THE INTERNATIONAL BUILDING CODE (INCLUDES ICC A117.1 PER IBC)ACCESSIBILITY

THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES, AND ALL UTILITY CHARGES, AND ARRANGE FOR ALL REQUIRED

4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING BUILDING & SITE UTILITIES BETWEEN CIVIL & MEP DRAWINGS. THE CONTRACTOR SHALL ALSO CONTACT ALL APPLICABLE UTILITY COMPANIES & PROVIDE CONDUIT & OTHER FACILITIES AS REQUIRED.

5. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS & CONDITIONS ON THE JOB SITE PRIOR TO THE BIDDING OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

IN CASES OF DISCREPANCY CONCERNING DIMENSIONS, QUANTITIES AND LOCATION, THE CONTRACTOR SHALL, IN WRITING, CALL TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES BETWEEN SPECIFICATIONS, PLANS, DETAILS OR SCHEDULES. THE ARCHITECT WILL THEN INFORM THE CONTRACTOR, IN WRITING, WHICH DOCUMENT TAKES PRECEDENCE. THERE SHALL BE NO ADJUSTMENT TO THE COST OR TIME OF THE WORK RESULTING FROM CLARIFICATION OF SUCH DISCREPANCIES.

6. DIMENSIONS ON DRAWINGS ARE SHOWN TO FINISHED FACE OF WALLS AND PARTITIONS OF EXISTING OR NEW CONSTRUCTION UNLESS OTHERWISE NOTED. CEILING HEIGHT DIMENSIONS AND ALL OTHER VERTICAL DIMENSIONS ARE TO THE FINISHED FLOOR SURFACE UNLESS OTHERWISE NOTED.

7. ALL MATERIALS SPECIFIED OR NOTED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS, PRODUCT DATA, OR SAMPLES FOR CASEWORK, FINISHES, DOORS, FRAMES, HARDWARE, MECHANICAL, ELECTRICAL, AND PLUMBING FIXTURES, AND OTHER ITEMS REQUIRING ARCHITECT'S REVIEW FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS, AND FOR ALL ITEMS WHICH ALLOWED CONTRACTOR OPTIONS. PRIOR TO FORWARDING TO THE ARCHITECT FOR REVIEW. THESE SUBMITTALS MUST BE REVIEWED BY THE CONTRACTOR FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL AFFIX HIS STAMP TO SUBMITTAL INDICATING HIS REVIEW. SUBMITTALS FORWARDED WITHOUT A STAMP WILL BE RETURNED. ALL SUBMITTALS MUST BE REVIEWED BY THE ARCHITECT PRIOR TO CONSTRUCTION.

9. CONTRACTOR SHALL GUARANTEE ALL WORK AGAINST FAULT OF ANY MATERIAL OR WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE YEAR AFTER COMPLETION OR ACCEPTANCE. FAULTY WORK SHALL BE REPLACED OR REPAIRED AS REQUIRED AT NO COST TO

10. CONTRACTOR SHALL COORDINATE WITH OWNER ALL ITEMS TO BE SALVAGED PRIOR TO SUBMISSION OF BIDS AND START OF CONSTRUCTION. OWNER SHALL HAVE SALVAGE RIGHTS TO RETAIN ALL REMOVED ITEMS.

11. ALL CHANGES PROPOSED DURING CONSTRUCTION WHICH RESULT IN A CHANGE TO THE CONTRACT TIME AND/OR SUM SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING AND APPROVED BY THE ARCHITECT AND OWNER BEFORE SUCH WORK SHALL COMMENCE.

12. CONTRACTOR SHALL COORDINATE CLEAR OPENINGS FOR ALL APPLIANCES PRIOR TO CONSTRUCTION OF CASEWORK.

13. CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE—RETARDANT TREATED WOOD BLOCKING BEHIND ALL CABINETS, TOILET ACCESSORIES, PLUMBING FIXTURES, AND OTHER WALL MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.

CONTRACTOR SHALL COORDINATE ALL LOCK AND LATCH SETS AND FINAL KEYING WITH OWNER. DOUBLE KEYED LOCKS ARE NOT PERMITTED ON ANY REQUIRED OR MARKED EXIT. MATCH EXISTING KEYING SYSTEM IF ONE IS EXISTING.

15. ALL DOOR HARDWARE ON EXIT DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY. SPECIAL KNOWLEDGE. OR EFFORT.

16. CONTRACTOR SHALL PREPARE ALL NEW AND EXISTING SURFACES SCHEDULED TO RECEIVE NEW FINISHES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE SUBSTRATE AND FINISH BEING APPLIED.

17. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING CONSTRUCTION INDICATED TO REMAIN AND SHALL REPAIR AND/OR REPLACE ALL AREAS AND/OR MATERIALS DAMAGED DURING CONSTRUCTION AT A MINIMUM TO THE CONDITION WHICH EXISTED PRIOR TO CONSTRUCTION.

18. CONTRACTOR SHALL COORDINATE FINAL QUANTITY AND LOCATIONS OF FIRE FXTINGUISHERS WITH THE FIRE DEPARTMENT AND /OR BUILDING DEPARTMENT, SEE SYMBOLS LEGEND FOR TYPE OF EXTINGUISHER.

19. ALL CONSTRUCTION MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND MAXIMUM SMOKE DEVELOPED RATING OF 50.

20. ALL PIPING, LOW VOLTAGE WIRE AND CABLE, OPTICAL FIBER, PNEUMATIC TUBING, AND ALL DUCT AND DUCT COVERINGS, LININGS AND CONNECTORS INSTALLED WITHIN PLENUMS MUST BE RATED FOR PLENUM USE.

21. TENANT SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF VOICE AND DATA CABLING AND EQUIPMENT.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE AUTOMATIC SPRINKLER SYSTEM. THE DESIGN SHALL BE PER NFPA REQUIREMENTS.

23. ALL NEW GLASS AND GLAZING LOCATED IN HAZARDOUS LOCATIONS AS DEFINED IN IBC SECTION 2406.3 SHALL MEET THE REQUIREMENTS FOR SAFETY GLAZING AS DEFINED IN IBC SECTION 2406.

24. IF THE CONTRACTOR FAILS TO SUBMIT A MATERIAL FOR APPROVAL, THE MATERIAL MAY BE REQUIRED TO BE REMOVED BY THE CONTRACTOR EITHER BY DIRECTION OF THE OWNER OR

25. NOT USED

26. THE CONTRACTOR IS TO PROVIDE AS BUILT DRAWINGS IN HARD COPY AND AN ELECTRONIC AUTOCAD FILE TO THE OWNER AT THE CONCLUSION OF THE PROJECT.

27. INSTALL ELASTOMERIC JOINT SEALER AROUND ALL PIPES, DUCTWORK, AND STRUCTURE PASSING THRU INTERIOR NON-RATED CONCRETE AND MASONRY WALLS, GYPSUM BOARD PARTITIONS, AND CONCRETE FLOOR/ROOF SLABS. FOR FIRE RATED INTERIOR CONCRETE AND MASONRY WALLS, GYPSUM BOARD PARTITIONS, AND CONCRETE FLOOR/ROOF SLABS SEAL ALL PIPES, DUCTWORK, AND STRUCTURE. INSTALL FIRESTOP MATERIALS IN ALL GAPS PRIOR TO SEALANT APPLICATION. INSTALL SEALER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

DRAWING SYMBOLS LEGEND

EXISTING CONSTRUCTION TO REMAIN. EXISTING CONSTRUCTION TO BE REMOVED.

NEW CONSTRUCTION.

TENANT DEMISING LINE - WALL TO GO FULL HEIGHT TO DECK

WALL TYPE DESIGNATION -

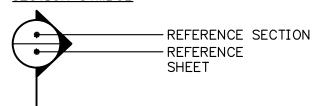
REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DRAWING A1.00 FOR CONSTRUCTION REQUIREMENTS.

ROOM NAME AND NUMBER -##

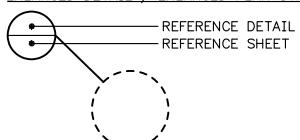
REFERENCE FLOOR PLAN(S) FOR LOCATIONS.

DOOR AND FRAME DESIGNATION -REFERENCE FLOOR PLAN(S) FOR LOCATIONS.

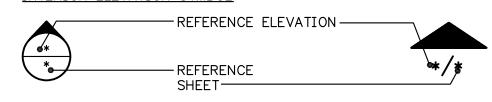
SECTION SYMBOL



ENLARGED DETAIL / ENLARGED PLAN SYMBOL



INTERIOR ELEVATION SYMBOL



FLOOR FINISH DESIGNATION -REFERENCE FINISH PLAN(S) FOR LOCATIONS. REFERENCE FINISH SCHEDULE FOR DESCRIPTIONS.

WINDOW DESIGNATION TAG

CONSTRUCTION NOTE

REVISION NOTE

XX

WALL MOUNTED FIRE EXTINGUISHER BY LARSEN'S MANUFACTURING COMPANY, WWW.LARSENSMFG.COM, MODEL MP10 W/B2 MOUNTING BRACKET, REFERENCE FLOOR PLAN(S) FOR LOCATIONS. MOUNT SO CENTERLINE OF EXTINGUISHER IS 46"

SEMI-RECESSED FIRE EXTINGUISHER BY LARSEN'S MANUFACTURING COMPANY, WWW.LARSENSMFG.COM, ARCHITECTURAL SERIES AL2409-6R, W/MP10 FIRE EXTINGUISHER, CLEAR ALUMINUM SOLID DOOR, AND "FIRE" HANDLE W/ STANDARD FINSH. MOUNT SO CENTERLINE OF CABINET HANDLE IS 46" A.F.F.

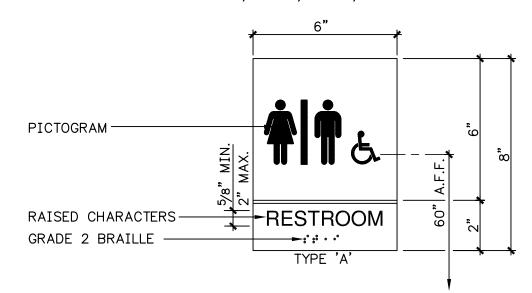
ACCESSIBLE SIGNAGE REQUIREMENTS

PERMANENT ROOMS AND SPACES

SIGNAGE COMPLYING WITH THE SIGN TYPES AND REQUIREMENTS BELOW SHALL BE PROVIDED AT THE FOLLOWING INTERIOR LOCATIONS:

LOCATION SIGN TYPE UNISEX 103, 104 TYPE 'A'

SIGNS WHICH DESIGNATE PERMANENT ROOMS AND SPACES SHALL COMPLY WITH ADAAG SECTIONS 4.30.1, 4.30.4, 4.30.5, 4.30.6



ADA STATEMENT

MOMENTUM A+D HAS USED OUR REASONABLE PROFESSIONAL EFFORTS AND JUDGEMENT TO INTERPRET APPLICABLE 2009 ADA REQUIREMENTS, AND TO DESIGN THE IMPROVEMENTS PROPOSED UNDER THIS PERMIT APPLICATION SUBMITTAL FOR THIS PROJECT TO COMPLY WITH ADA AND OTHER FEDERAL, STATE, AND LOCAL RULES, CODES, ORDINANCES, AND REGULATIONS AS THEY APPLY TO THE PROJECT. MOMENTUM A+D, HOWEVER, CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT THE IMPROVEMENTS WILL COMPLY WITH ALL INTERPRETATIONS OF ADA REQUIREMENTS AND/OR REQUIREMENTS OF OTHER FEDERAL, STATE, AND LOCAL LAWS, RULES, ORDINANCES, AND REGULATIONS AS THEY APPLY TO THE PROJECT.

BUILDING SUMMARY

GROUP FITNESS TRAINING

GENERAL BUILDING INFORMATION

TENANT NAME: F45 FITNESS LEES SUMMIT TENANT IMPROVEMENTS ADDRESS: 1138 NE DOUGLAS RD, LEE'S SUMMIT, MO PROPOSED USE: GROUP FITNESS (A-3 ASSEMBLY / B - BUSINESS)

APPLICABLE CODES

INTERNATIONAL BUILDING CODE (IBC)	2018 EDITION
INTERNATIONAL MECHANICAL CODE (IMC)	2018 EDITION
INTERNATIONAL PLUMBING CODE (IPC)	2018 EDITION
NATIONAL ELECTRICAL CODE (NEC)	2017 EDITION
INTERNATIONAL FUEL GAS CODE (IFGC)	2018 EDITION
INTERNATIONAL FIRE CODE (IFC)	2018 EDITION
ICC/ANSI A117.1 PROVIDING ACCESSIBILITY AND USABILITY	

2009 EDITION FOR PHYSICALLY HANDICAPPED PEOPLE

BUILDING DATA CONSTRUCTION TYPE 5-B, ONE STORY MON - SPRINKLERED **AUTOMATIC SPRINKLER:** BUSINESS (B) OCCUPANCY CLASS: ASSEMBLY (A-3, RECREATION TENANT AREA: 3,100 S.F.

DESIGN OCCUPANT LOAD: MULTIPLE FUNCTION OCCUPANT LOAD (2018 IBC 1004.3) 150 S.F./150 S.F. GROSS PER OCCUPANT = 1 (B, OFFICE+ UTILITY) 250 S.F./50 S.F. GROSS PER OCCUPANT = 5 (A-3, ENTRY + LOBBY) 2,150 S.F./50 S.F. GROSS PER OCCUPANT = 43(A-3, EXERCISE ROOM)

UNOCCUPIED AREAS: CIRCULATION, TOILETS, UTILITY ROOM, 550 SF

TOTAL DESIGN OCCUPANT LOAD = 49 PPL

EXITS REQUIRED/ PROVIDED: 1 EXIT REQUIRED / 2 PROVIDED; THIRD EXIT AT REAR IS SEPARATED FROM PUBLIC

MAX. TRAVEL DIST: NON - SPRINKLERED (A) 200 FT. MAX. (TABLE 1017.2) (B) 200 FT. MAX. (TABLE 1017.2)

Date:

Issued For:

REVISIONS

No. Date

12/30/22

Description

JASON B HANSEN

CITY COMMENTS

PROJECT TEAM

RELEASED FOR CONSTRUCTION As Noted on Plans Review

ARCHITECT MOMENTUM ARCHITECTURE+DESIGN STRUCTURAL

MECHANICAL 5BY5 ENGINEERS

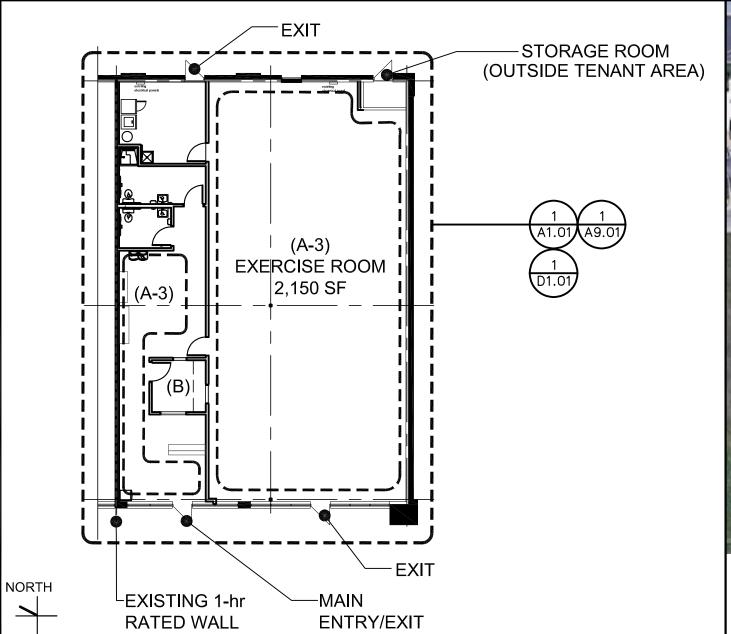
5BY5 ENGINEERS

FIRE PROTECTION

ELECTRICAL

CONTRACTOR HAWTHORN PROJECTS

ENLARGED KEY PLAN **LOCATION MAP**



NE SYCAMORE ST

TENANT

LOCATION

PROFESSIONAL SERVICES DISCLAIMER

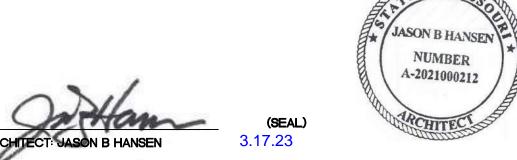
THIS DISCLAIMER SERVES NOTICE OF ACCEPTANCE OF RESPONSIBILITY AND DISCLAIMER OF RESPONSIBILITY AS TO THE CONTRACT DOCUMENTS PREPARED FOR PROJECT NUMBER 22-020, F45 LEE'S SUMMIT T.I. BY MOMENTUM ARCHITECTURE+DESIGN.

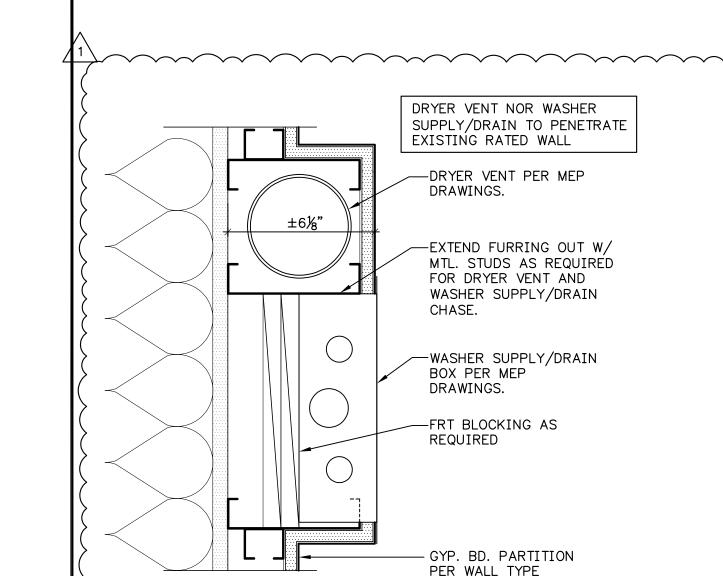
THE UNDERSIGNED ARCHITECT, AND MOMENTUM A+D., ARE RESPONSIBLE FOR PREPARATION OF ONLY THE NOTED CONSTRUCTION DRAWINGS BELOW:

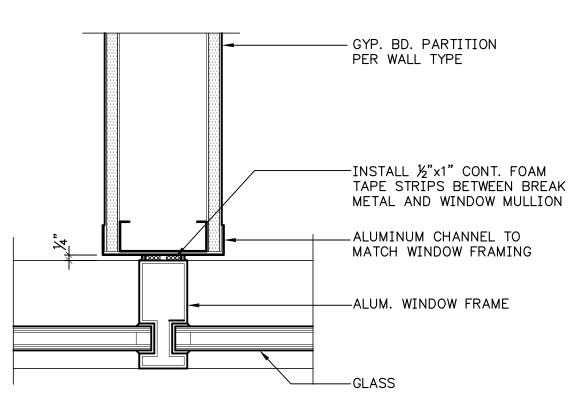
NO.	<u>TITLE</u>	DATE	<u>RE\</u>
A0.01	LEGENDS + GENERAL NOTES	12.30.22	
41.00	WALL TYPES + DETAILS	12.30.22	
01.01	DEMO PLAN + DEMO REFLECTED CEILING PLAN	12.30.22	
\1.01	CONSTRUCTION PLAN + SPECIFICATIONS	12.30.22	
2.01	ENLARGED TOILET PLANS + ELEVATIONS	12.30.22	
4.01	INTERIOR ELEVATIONS	12.30.22	
48.01	DOOR SCHEDULE + FINISH SCHEDULE + PLAN	12.30.22	
49.01	REFLECTED CEILING PLAN	12.30.22	
411.01	SPECIFICATIONS	12.30.22	

OTHER CONSTRUCTION DOCUMENTS, AND ANY OTHER SPECIFICATIONS, REPORTS, ESTIMATES, SHOP DRAWINGS, ETC. RELATING TO OR INTENDED TO BE USED FOR ANY PART OF THE ARCHITECTURAL OR ENGINEERING PROJECT, INCLUDING ANY GEOTECHNICAL ENGINEERING SERVICES, OR ENVIRONMENTAL REPORTS.

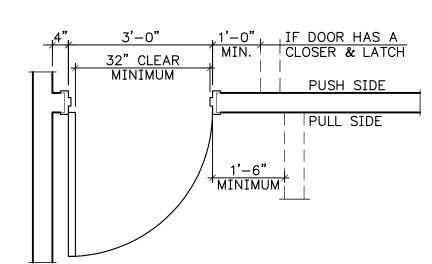
THIS NOTICE IS EXECUTED BY THE UNDERSIGNED AND AUTHENTICATED BY THE ARCHITECTURAL SEAL OF THE PERSON PREPARING THIS NOTICE.





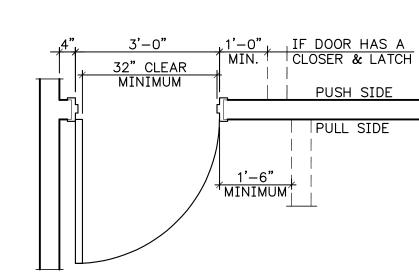




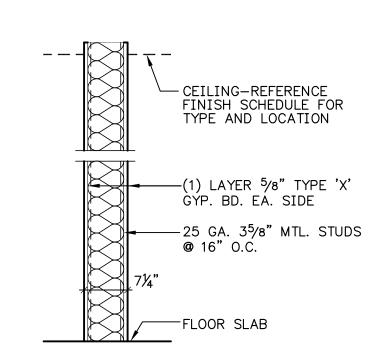


PER WALL TYPE WALL CHASE DETAIL SCALE : 3" = 1'-0"

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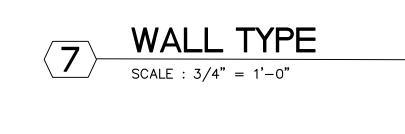


TYP. DOOR LOCATION SCALE : 1/2" = 1'-0"



- (a) WALL TO HAVE 6" SOUND INSUL.
- **b** 5/8" WATER RESISTANT GYP. BD. ON "WET ROOM WALLS"
- **c** WALL TO HAVE BOTH INSUL. AND WATER RESISTANT GYP. BD.





—(1) LAYER ⁵/8" TYPE 'X'

@ 16" O.C. (U.N.O.)

EXTERIOR WALL

FLOOR SLAB

C WALL HT. AT 6" ABOVE FIN CLG. & MOLD & WATER RESISTANT GYP. BD. ON "WET ROOM WALLS"

、16 GA. 3 € MTL. STUDS AND TRACK @

b 5/8" MOLD & WATER RESISTANT GYP.

BD. ON "WET ROOM WALLS"

— 20 GA. 3 5/8" MTL. STUDS

ĠÝP. BD.

-MTL. DECK

STRUCTURE

@ 12" O.C.

OF DRYWALL

(1) LAYER 5/8" TYPE 'X'

GYP. BD. EACH SIDE

— 3 1/2" SOUND BATTS

✓BASE PER SCHEDULE

TRACK TO SLAB

-MECHANICALLY FASTEN BOTTOM

INFILL W/ INSULATION

-ACOUSTICAL SEALANT

-LONG LEG RUNNER TRACK

ANCHORED TO BOTTOM OF

-NEST BUT DO NOT FASTEN

LOWER RUNNER TRACK IN LONG

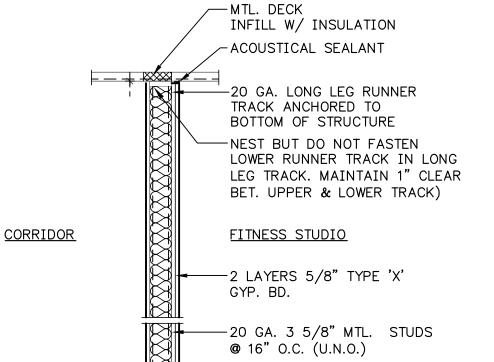
LEG TRACK. MAINTAIN 1" CLEAR

BET. UPPER & LOWER TRACK)

-16 GA. 3 5/8" MTL. STUDS

-TREATED 2x12 BLOCKING.

PROVIDE TREATED PLYWOOD BEHIND BRACKET IN-LIEU



-MTL. DECK

STRUCTURE

OF DRYWALL

16 GA. 3 5/8" MTL. STUDS

—(1) LAYER 5/8" TYPE 'X'

GYP. BD. EACH SIDE

--- 3 1/2" SOUND BATTS

✓BASE PER SCHEDULE

TRACK TO SLAB

WALL TYPE

SCALE : 3/4" = 1'-0"

6)

∼MECHANICALLY FASTEN BOTTOM

@ 12" O.C.

INFILL W/ INSULATION

-ACOUSTICAL SEALANT

-LONG LEG RUNNER TRACK

ANCHORED TO BOTTOM OF

-NEST BUT DO NOT FASTEN

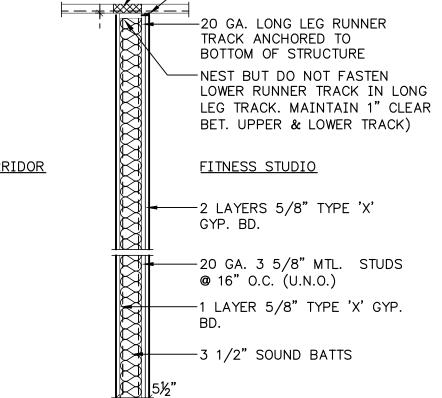
-TREATED 2x8 BLOCKING.

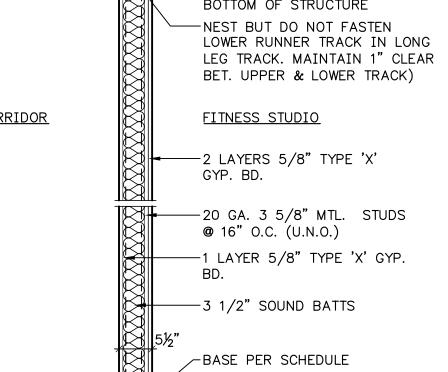
PROVIDE TREATED PLYWOOD BEHIND BRACKET IN-LIEU

LOWER RUNNER TRACK IN LONG

LEG TRACK. MAINTAIN 1" CLEAR

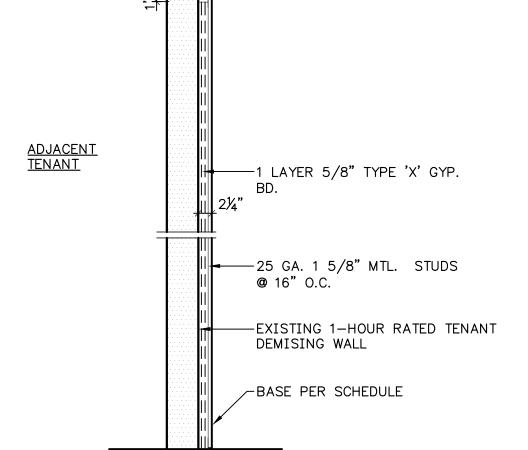
BET. UPPER & LOWER TRACK)





-MECHANICALLY FASTEN BOTTOM

CHANNEL TO SLAB



WALL TYPE

SCALE : 3/4" = 1'-0"

-1 LAYER 5/8" TYPE 'X' GYP. BD.

DRYWALL CEILING

3-1/2" CREASED THERMAFIBER SOUND

AQUADEFENCE WATERPROOFING

ON FLOORS AND WALLS BEHIND

MORTAR BED SLOPE TO DRAIN

— EXIST. CONC. SLAB

- NEW 4" THICK CONCRETE

SLOPE TILE TO

TRENCH DRAIN

1/4" CAULK JOINT

ALL AROUND

— 20 GA. 3 5/8" MTL. STUDS @ 16"

ATTENUATION BLANKETS

- WALL TILE

- 1/2" DUROCK

ON STUDIO SIDE

- WALL TO HAVE 3 1/2" SOUND BATT INSUL.
- 5/8" MOLD & WATER RESISTANT GYP. BD. ON "WET ROOM WALLS"
- WALL TO HAVE BOTH INSUL. & MOLD & WATER RESISTANT GYP. BD. ON "WET ROOM WALLS"

WALL TYPE SCALE : 3/4" = 1'-0"

-NEST BUT DO NOT FASTEN LOWER RUNNER TRACK IN LONG LEG TRACK. MAINTAIN 1" CLEAR BET. UPPER & LOWER TRACK) -PROVIDE BRACING ON CEILING SIDE OR PROVIDE STIFFENER CHANNELS THROUGH STUDS WHEN REQUIRED BY HEIGHT —(1) LAYER ⁵/8" TYPE 'X' GÝP. BD. EA. SIDE 25 GA. 3⁵/₈" MTL. STUDS @ 16" O.C. FLOOR SLAB

STRUCTURE

LONG LEG RUNNER TRACK
ANCHORED TO BOTTOM OF

- $\langle 4a \rangle$ WALL TO HAVE 3 1/2" BATT INSUL.
- 5/8" MOLD & WATER RESISTANT GYP. BD. ON "WET ROOM WALLS"
- WALL TO HAVE BOTH INSUL. & MOLD & WATER RESISTANT GYP. BD. ON "WET ROOM WALLS"





a 2 12" O.C. AT WALL ANCHORS

WALL TYPE SCALE : 3/4" = 1'-0"

RELEASED FOR CONSTRUCTION As Noted on Plans Review

Date: 12/30/22 Issued For: PERMIT

REVISIONS No. Date Description

1 3.17.23 CITY COMMENTS



PROJECT TEAM

ARCHITECT MOMENTUM ARCHITECTURE+DESIGN

STRUCTURAL

MECHANICAL **5BY5 ENGINEERS**

ELECTRICAL **5BY5 ENGINEERS**

FIRE PROTECTION

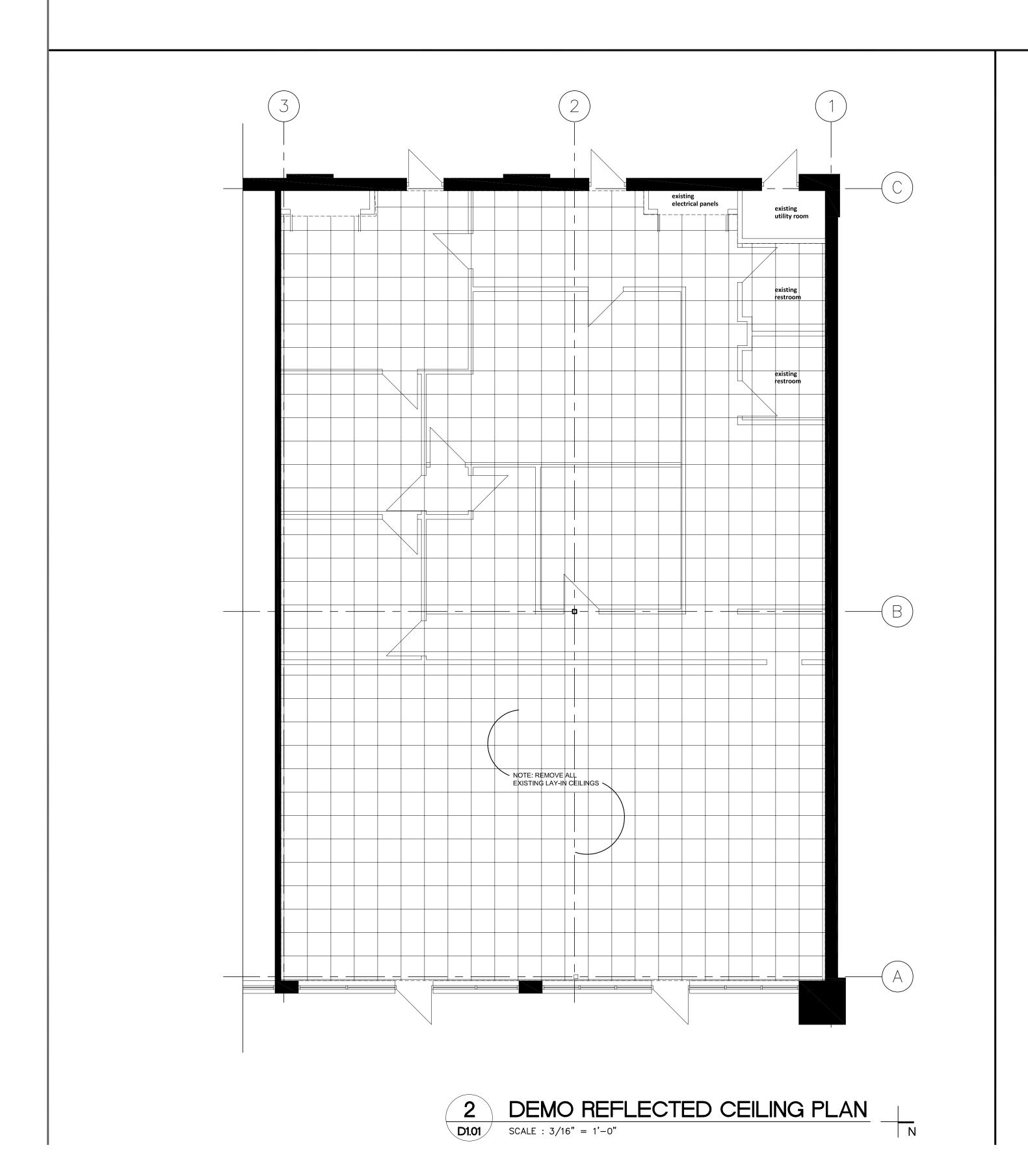
CONTRACTOR HAWTHORN PROJECTS

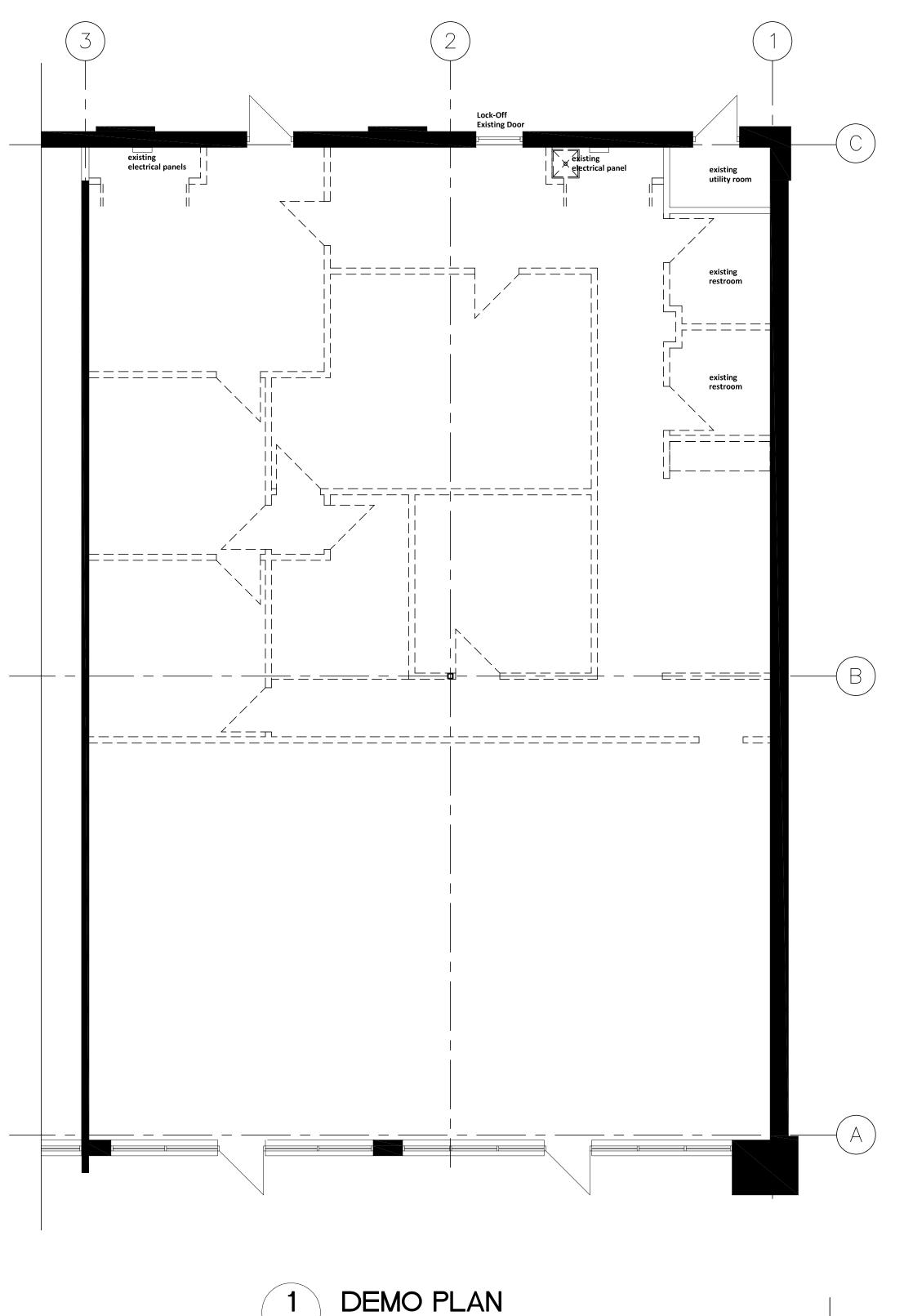
MO mer + 904

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DEMOLITION NOTES:

- DEMO EXIST. MTL. STUD/GYPSUM BD. PARTITIONS, FURRING AND CEILINGS FULLY TO EXTENTS SHOWN.
- 2. REMOVE EXISTING PLUMBING ELEMENTS/FIXTURES. CAP LINES BELOW FLOOR & SALVAGE FIXTURES WHERE
- 3. REMOVE ALL EXISTING FLOORING.
- 1) MODIFY EXISTING ROOF DRAIN AS REQUIRED TO BE FULLY ENCLOSED IN NEW WALL CAVITY.
- 2 SALVAGE DRINKING FOUNTAIN FOR REUSE.
- 3 RELOCATE EXISTING ELECTRIC PANELS PER ELECTRICAL DWGS.
- 4 SALVAGE FIRE EXTINGUISHER FOR REUSE. LOCATION TBD.





D1.01 SCALE : 3/16" = 1'-0"

Date:

Development Services Capartm
Lee's Summin Missouri
03/30/2023 O

Time the composition of the composition of

RELEASED FOR

Summit S. Summit

The state:

Date: 12/30/22 Issued For: PERMIT

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No. Date De

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JASON B HANSEN
NUMBER
A-2021000212
3.17.23

ARCHITECT MOMENTUM ARCHITECTURE+DESIGN

STRUCTURAL

MECHANICAL 5BY5 ENGINEERS

PROJECT TEAM

ELECTRICAL 5BY5 ENGINEERS
FIRE PROTECTION

CONTRACTOR HAWTHORN PROJECTS

MITECTURE + DESIGN

A R C H

D1.01

GENERAL NOTES:

- 1. CONTRACTOR TO REVIEW AND VERIFY ELECTRICAL REQUIREMENTS INCLUDING LOCATIONS OF EXISTING AND NEW OUTLETS INDICATED. REF ELECTRICAL PLAN

2. PATCH AND REPAIR ALL HOLES IN EXISTING WALLS TO REMAIN (TYP.)

- 3. REF. ELEVATIONS FOR EXERCISE EQUIPMENT BLOCKING & MOUNTING NOTES.
- 4. SHOWER "PAN" TO BE SLOPED TO TRENCH DRAIN PER PLAN. ALL OTHER FLOOR DRAINS (FD) TO BE NON-SLOPED AREA DRAINS.

CONSTRUCTION NOTES:

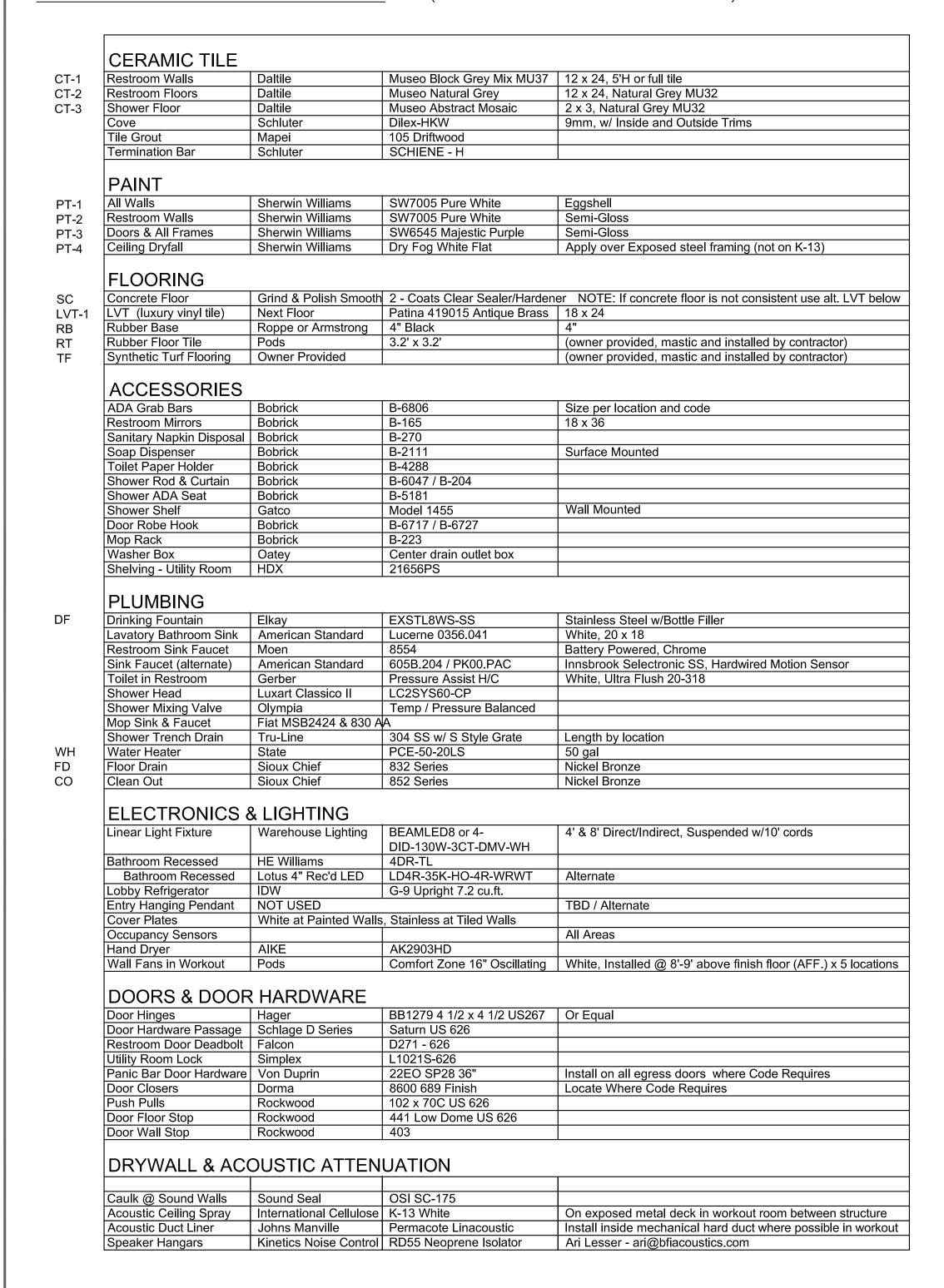
- 1 LOCK OFF EXISTING DOOR AND REMOVE HARDWARE. INSULATE AND INFILL DOORWAY ON INTERIOR SIDE AS REQUIRED TO MATCH EXISTING WALL THICKNESS. ADD CONTRAST LETTERING SIGNAGE ON OUTSIDE OF DOOR TO READ "THIS DOOR BLOCKED"
- _____ 2 GYP. BD. WALL FURRED OUT AS SHOWN TO END OF TURF FLOORING.
- 3 MODIFY WALL TYPE AS REQUIRED TO CLOSELY MATCH WALL TYPE SHOWN ON PLAN.

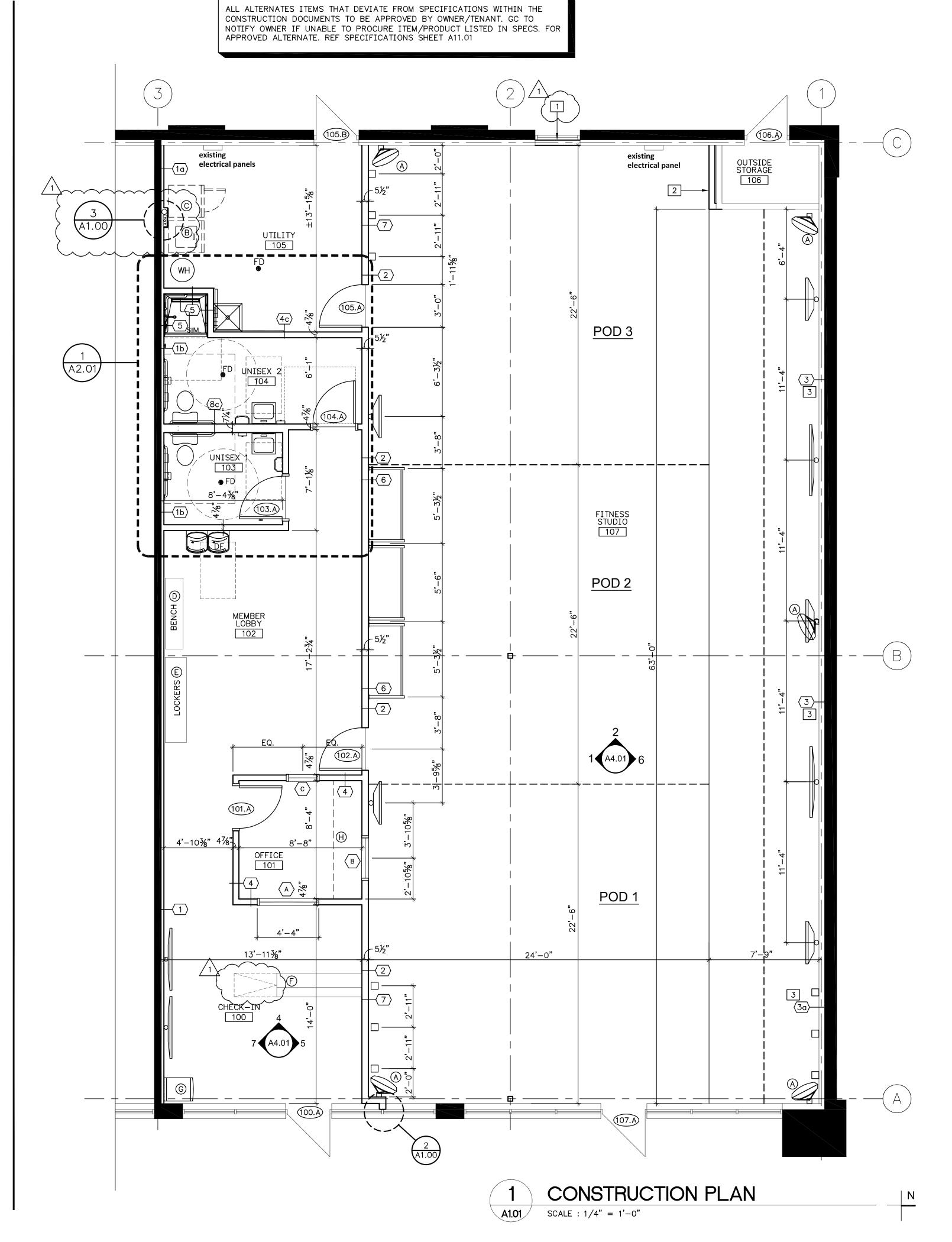
PARTIAL EQUIPMENT LIST:

- (A) WALL-MOUNTED FANS, TYP. OF 5 (REF SPECIFICATIONS)
- (B) WASHER (OWNER PROVIDED CONTRACTOR INSTALLED)
- (C) DRYER (OWNER PROVIDED CONTRACTOR INSTALLED)
- (D) MEMBER BENCH (OWNER PROVIDED)
- (E) LOCKERS (OWNER PROVIDED)
- (F) CHECK-IN DESK (OWNER PROVIDED CONTRACTOR INSTALLED)
- (G) FREESTANDING DRINKS REFIGERATOR (REF SPECIFICATIONS)
- (H) OFFICE DESKTOP (OWNER PROVIDED CONTRACTOR INSTALLED)

PARTIAL SPECIFICATIONS:

(SEE COMPLETE SPECIFICATIONS ON SHEET A11.01)





RELEASED FOR **CONSTRUCTION** As Noted on Plans Review

Date: 12/30/22 Issued For:

REVISIONS

No. Date <u>Description</u> CITY COMMENTS



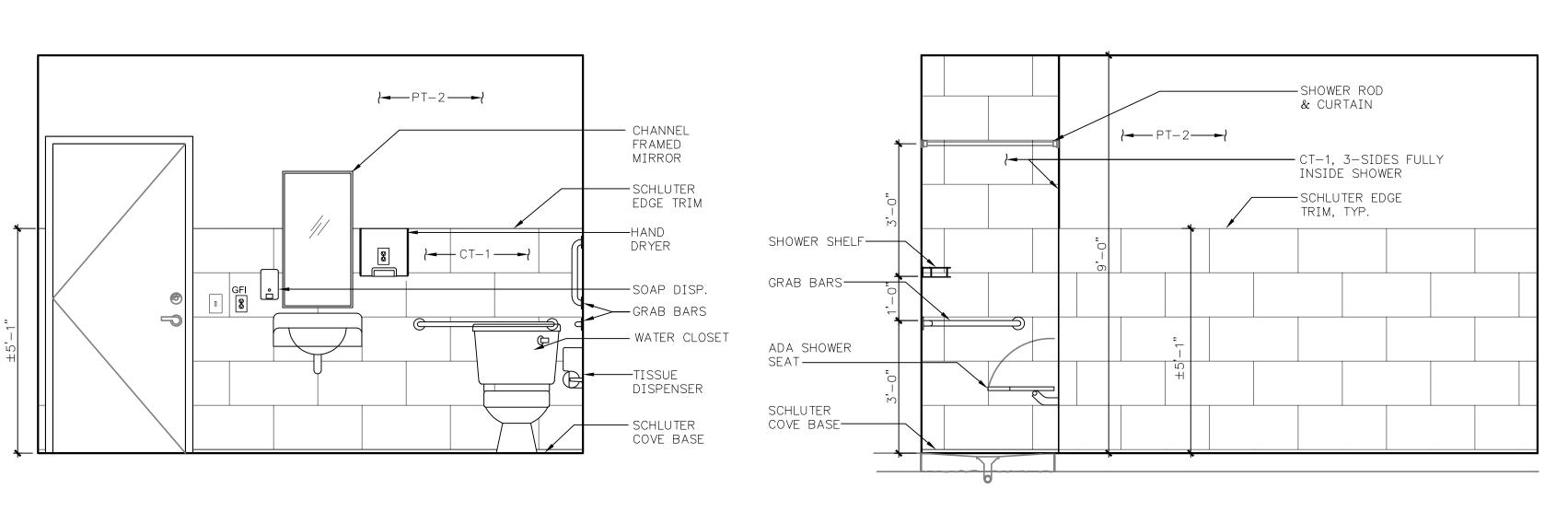
PROJECT TEAM

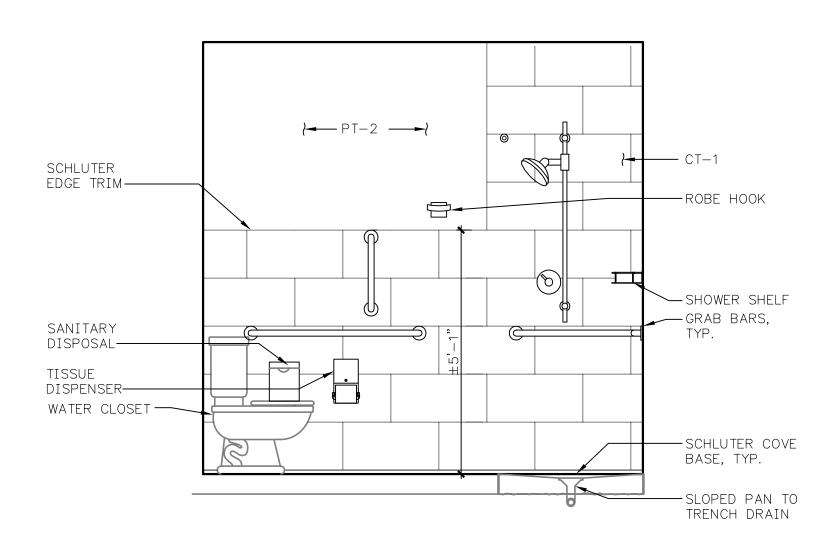
ARCHITECTURE+DESIGN

ARCHITECT MOMENTUM STRUCTURAL

MECHANICAL 5BY5 ENGINEERS ELECTRICAL **5BY5 ENGINEERS**

FIRE PROTECTION



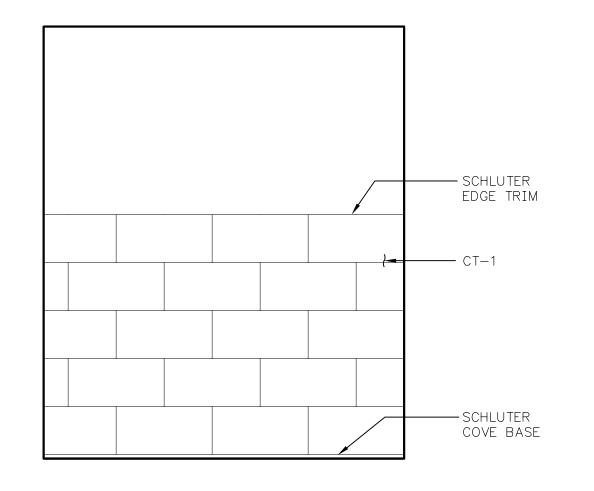


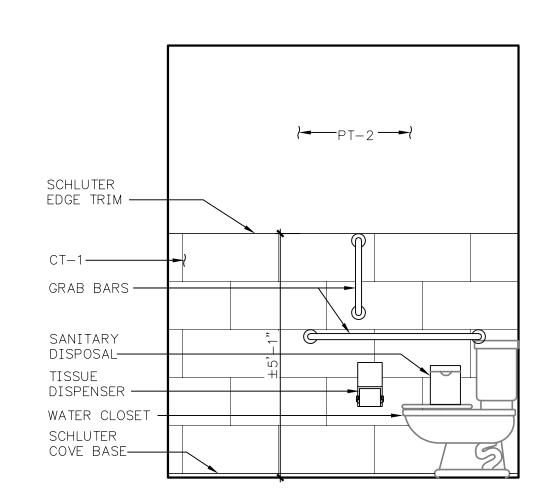
TOILET ELEVATION

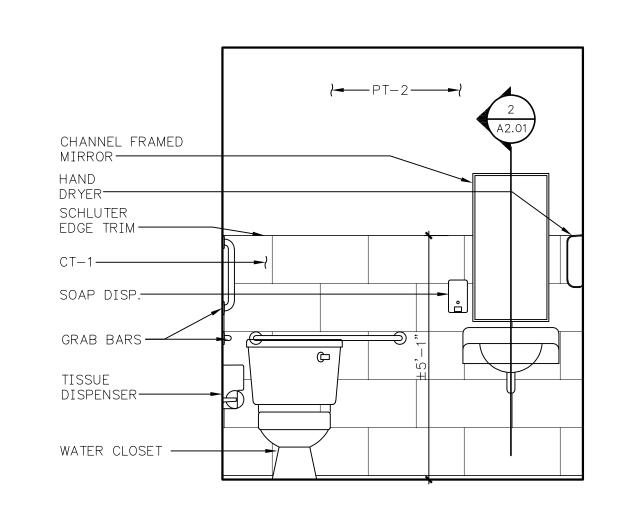
SCALE : 1/2" = 1'-0"

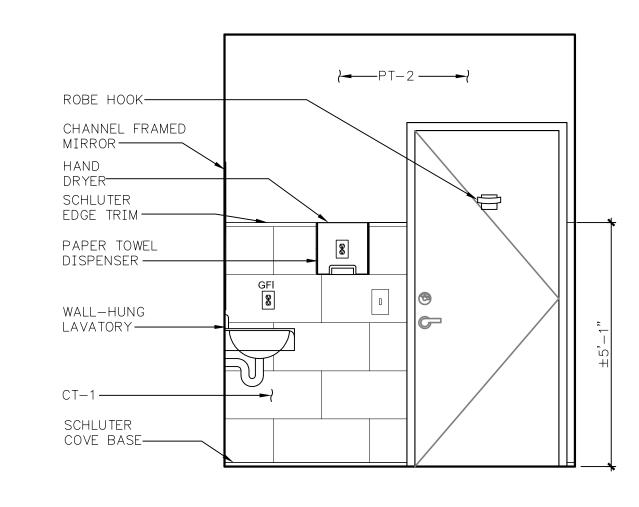
TOILET ELEVATION SCALE : 1/2" = 1'-0"

TOILET ELEVATION SCALE : 1/2" = 1'-0"











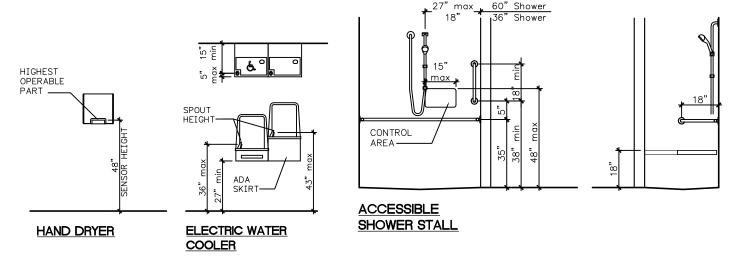
TOILET ELEVATION

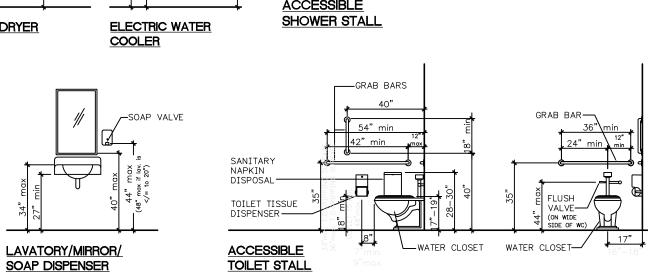






TYPICAL TOILET ACCESSORY MOUNTING HEIGHTS

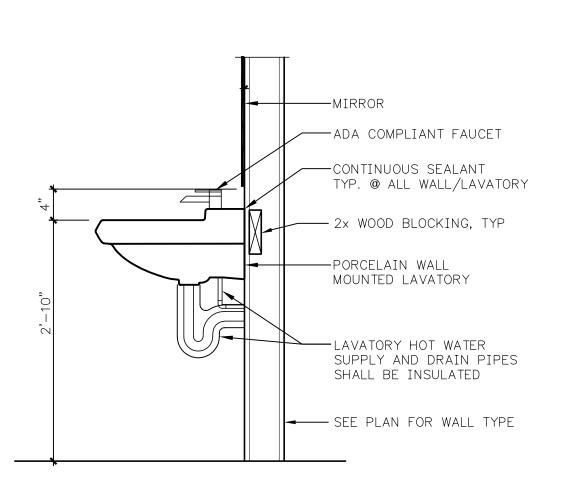




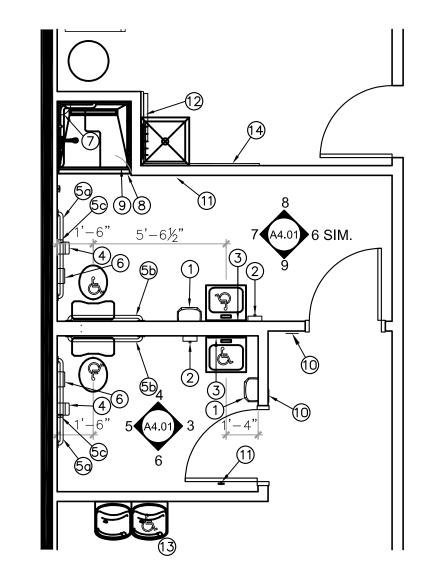
TOILET ACCESSORY LEGEND

- ALL ACCESSORIES SHALL BE STAINLESS STEEL UNLESS NOTED OTHERWISE. ALL ACCESSORIES SHALL BE DESIGNED TO MEET ADA STANDARDS.
- 1 HAND DRYER, ELECTRIC (REF SPECS.)
- 2 LIQUID SOAP DISPENSER SURFACE (MANUAL: BOBRICK B-2111)
- (3) FRAMED MIRROR (BOBRICK B-165, SIZE:18" x 36")
- 4 MULTI-ROLL TOILET TISSUE DISPENSER (BOBRICK B-4288)
- GRAB BARS 42" (BOBRICK B-6806 SERIES)
- (BOBRICK B-6806 SERIES)
- GO GRAB BARS 18" (BOBRICK B-6806 SERIES) 6 SANITARY NAPKIN DISPOSAL (SURFACE: BOBRICK B-270)
- (7) SHOWER SHELF (GATCO #1455)
- (8) SHOWER CURTAIN & ROD (SURFACE: BOBRICK B-6047 B-204)
- (9) SHOWER ADA SEAT (SURFACE: BOBRICK B-5181) 10 ADA SIGNAGE (REF SIGNAGE NOTES, A001)
- (1) ROBE HOOK (BOBRICK B-6717/B-6727)
- (12) MOP RACK (BOBRICK B-223)
- (3) DRINKING FOUNTAIN (ELKAY #EXSTL8WS-SS)
- (4) FIBERGLASS REINFORCED PANEL (WHITE, ONE 4'x8' SHEET)

Maximum Reach Depth	.05 inch	2 inches	5 inches	6 inches	9 inches	11 inches					
Maximum Reach Height	48 inches	46 inches	42 inches	40 inches	36 inches	34 inches					
TABLE 603.6 - ANSI-117.1-2009											





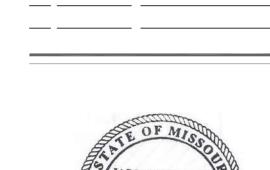




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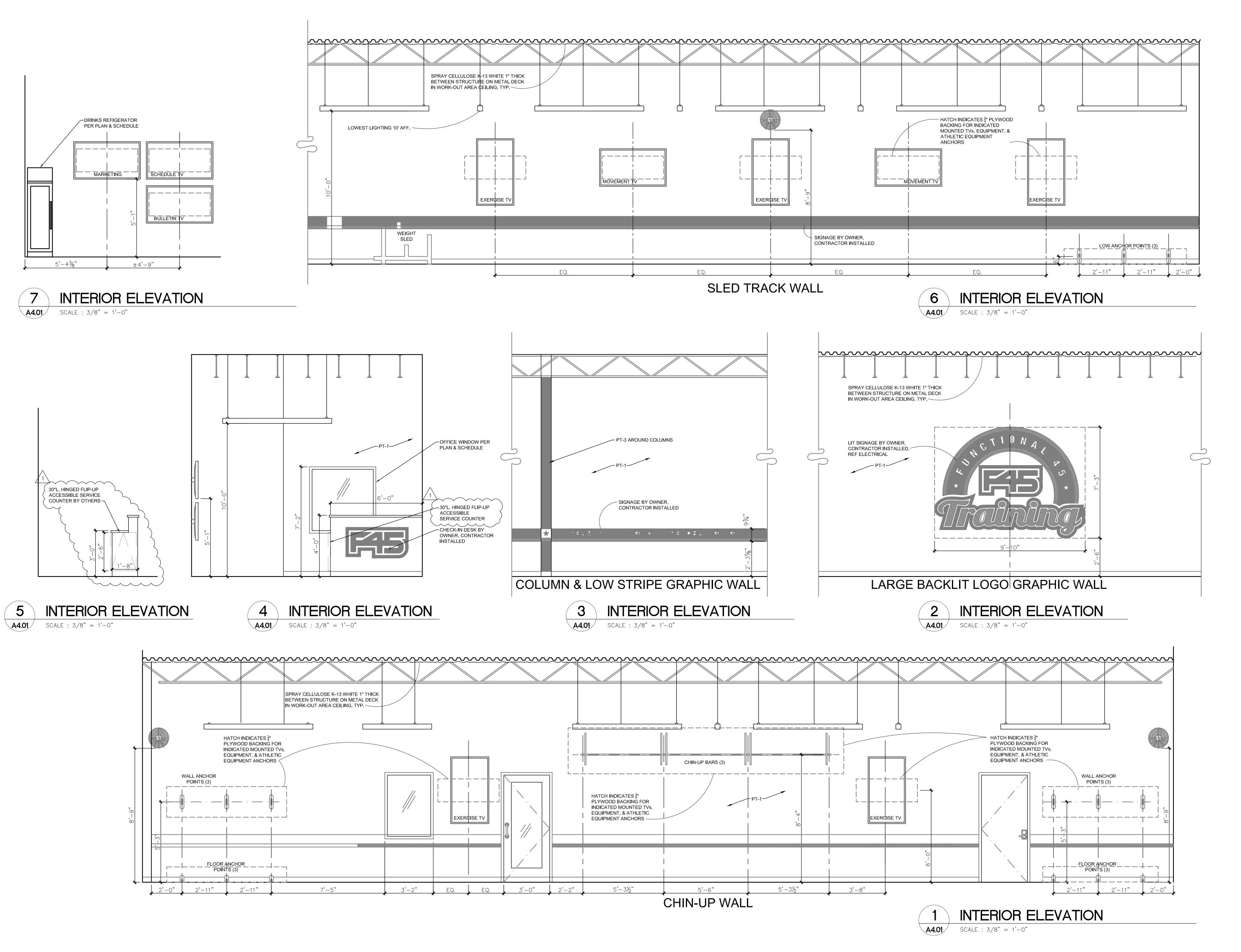


PROJECT TEAM

MOMENTUM ARCHITECTURE+DESIGN STRUCTURAL

5BY5 ENGINEERS MECHANICAL ELECTRICAL **5BY5 ENGINEERS**

FIRE PROTECTION



Development Services Department Lee's Summit Mosquis Os/30/2923 O S R Summit MO 64 Os Summit M

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-45 ee's Summi

Date: 12/30/22 Issued For:

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REVISIONS
No. Date

3.17.23 CITY COMMENTS



PROJECT TEAM

MOMENTUM

ARCHITECTURE+DESIGN

STRUCTURAL

MECHANICAL 5BY5 ENGINEERS

ELECTRICAL 5BY5 ENGINEERS

FIRE PROTECTION

CONTRACTOR HAWTHORN PROJECTS

CTURE+DESIGN

ARCHITECT

NO.

A4.01

ROOM FINISH SCHEDULE DOOR AND FRAME SCHEDULE **CEILING** FRAME | RATING HARDWARE | REMARKS **ROOM** BASE WALLS REMARKS DOOR / WINDOW **DETAILS** MAT. HT. NO. SIZE (WxHxTh) TYPE | MAT. | TYPE | MAT. | E S W E S JAMB HEAD SILL LVT | RB-1 | RB-1 | RB-1 | RB-1 | PT-1 | PT-1 | PT-1 | PT-4 | 100 CHECK-IN 100.A | 3'-0"x7'-0" (F.V) Ε 101.A | 3'-0"x7'-0"x1³/4" 101 OFFICE LVT | RB-1 | RB-1 | RB-1 | RB-1 | PT-1 | PT-1 | PT-1 | PT-1 | SAT-1 | 9-0 LA.1 102.A | 3'-0"x7'-0"x1³/4" W2 | WD 102 | MEMBER LOBBY LVT | RB-1 | RB-1 | RB-1 | RB-1 | PT-1 | PT-1 | PT-1 | PT-1 | PT-4 | НМ PP.1 4'-4"x4'-4" (WINDOW) 103 | UNISEX 1 CT-2 | CT-S | CT-S | CT-S | CT-S GB 9-0 $3'-2"\times 4'-4"$ (WINDOW) 104 UNISEX 2 CT-2 | CT-S | CT-S | CT-S | CT-S GB 9-0 SC | RB-1 | RB-1 | RB-1 | PT-1 | PT-1 | PT-1 | PT-1 | E | 2'-4"x4'-4" (WINDOW) 105 UTILITY HM 103.A | 3'-0"x7'-0"x1³/4" 106 STORAGE NOT IN SCOPE - REFERENCE ONLY LA.3 RT/TF | RB-1 | RB-1 | RB-1 | PT-1 | PT-1 | PT-1 | PT-1 | KP | 104.A | 3'-0"x7'-0"x1³/4" 107 | FITNESS STUDIO W1 | WD нм І LA.3 105.A | 3'-0"x7'-0"x1³/4' W1 | WD LK.2 105.B | 3'-0"x7'-0"x1³/4' Ε 106.A | 3'-0"x7'-0"x1³/4" NOT IN SCOPE - REFERENCE ONLY 107.A 3'-0"x7'-0" (F.V.)

FINISH SCHEDULE LEGEND

REFERENCE ROOM FINISH PLAN AND INTERIOR ELEVATIONS FOR SPECIFIC FINISH DESIGNATION IF FINISH SCHEDULE INDICATES GENERAL FINISH

- (CERAMIC TILE W/ 1/8" MAX. GROUT JOINTS SEALED W/ SILICONE SEALER) PROVIDE CRACK BRIDGING MEMBRANE OVER ALL CONTROL JOINTS AND COLD JOINT IN SLAB CT-1: MFR: DALTILE, STYLE/COLOR: MUSEO, BLOCK GREY MIX MU37, SIZE:12"x24", PATTERN: BRICK, GROUT COLOR: MAPEI, 105 DRIFTWOOD
 - CT-2: MFR: DALTILE, STYLE/COLOR: MUSEO NATURAL GREY, SIZE:12"x24" MU32, PATTERN: BRICK, GROUT COLOR: MAPEI, 105 DRIFTWOOD
- CT-3: MFR: DALTILE, STYLE/COLOR: MUSEO ABSTRACT MOSAIC, SIZE: 2"x3" MU32, PATTERN: BRICK, GROUT COLOR: MAPEI, 105 DRIFTWOOD
- - LVT: MFR: NEXT FLOOR, SERIES: "PATINA", COLOR: 419015 ANTIQUE BRASS, SIZE: 18"x24"; INSTALLATION PATTERN: PER MFR
- (RUBBER SPORT FLOOR TILE)
 - RT: MFR: PROVIDED BY OWNER; INSTALLATION: BRICK PATTERN, GLUE DOWN AT EDGES
- TF: MFR: PROVIDED BY OWNER: COLOR: BLUE; INSTALLATION: PER MANUFACTURER
- (EXPOSED SEALED CONCRETE POLISHED AND FINISHED W/ CURE-N-SEAL)
- EXISTING TO REMAIN

REFERENCE ROOM FINISH PLAN AND INTERIOR ELEVATIONS FOR SPECIFIC **BASE FINISHES** FINISH DESIGNATION IF FINISH SCHEDULE INDICATES GENERAL FINISH

- (VULCANIZED RUBBER WALL BASE)
 - RB-1: SIZE: 4", STYLE: COVE; MFR: ROPPE; 100, COLOR: BLACK
- <u>CT-1</u> WALL TILE ON <u>SCHLUTER DILEX HKW</u> (COVE GREY)

WALL FINISHES REFERENCE ROOM FINISH PLAN AND INTERIOR ELEVATIONS FOR SPECIFIC FINISH DESIGNATION IF FINISH SCHEDULE INDICATES GENERAL FINISH

- SATIN FINISH ACRYLIC LATEX PAINT OVER GYPSUM WALLBOARD; 2 COATS OVER MFR'S SUGGESTED PRIMER. SEMI-GLOSS FINISH AT "WET" AND HIGH USE AREAS - REF FIN. NOTES. PT-1: MFR.: SHERWIN WILLIAMS, SHEEN: EGGSHELL, COLOR: SW7005 "PURE WHITE" PT-2: MFR.: SHERWIN WILLIAMS, SHEEN: SEMI-GLOSS, COLOR: SW7005 "PURE WHITE" PT-3: MFR.: SHERWIN WILLIAMS, SHEEN: SEMI-GLOSS, COLOR: SW6545 "MAJESTIC PURPLE" PT-4: MFR.: SHERWIN WILLIAMS, DRY FOG WHITE FLAT
- FIBERGLASS REINFORCED PLASTIC WALL PANELS W/ STANDARD BATTENS, EDGE AND CORNER TRIM (MFR: TBD, COLOR: WHITE
- EXISTING TO REMAIN

CEILING FINISHES REFERENCE ROOM FINISH PLAN AND INTERIOR ELEVATIONS FOR SPECIFIC FINISH DESIGNATION IF FINISH SCHEDULE INDICATES GENERAL FINISH

SAT: SUSPENDED ACOUSTICAL TILE CEILING SAT-1: SIZE: 24"x48", MFR: ARMSTRONG, STYLE: CORTEGA SECOND LOOK SCORED 24"x24", GRID: 15/6" HEAVY DUTY WHITE

- GB: SATIN FINISH ACRYLIC LATEX PAINT OVER GYPSUM WALLBOARD; 2 COATS OVER PRIMER - PT-2
- KP: K-13 ACOUSTICAL CELLULOSE INSULATION ON METAL EXPOSED METAL DECK. PAINT ALL REMAINING EXPOSED OVERHEAD STEEL - SW WATERBORNE ACRYLIC DRYFALL, WHITE
- E: EXISTING TO REMAIN

REMARKS

1. ALL OVERHEAD EXPOSED STEEL IS TO BE PAINTED AFTER APPLICATION AND MFR RECOMMENDED DRYING TIME OF K13 ACOUSTICAL CELLULOSE SPRAY.

GENERAL FINISH NOTES

- 1. PAINT ALL NEW DOORS, DOORS AND WINDOW FRAMES W/ 2 COATS OF SEMI-GLOSS, ACRYLIC LATEX PAINT, PT-3 - UNLESS OTHERWISE NOTED.
- 2. PROVIDE THE FOLLOWING TRANSITION STRIPS AT LOCATIONS WHERE DISSIMILAR FLOOR MATERIALS

RUBBER FLOORING TO CONCRETE: (FLOORING INSTALLER VERIFY)

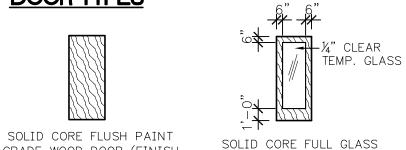
CERAMIC TILE TO CONCRETE: (FLOORING INSTALLER VERIFY)

CERAMIC TILE TO LVT: (FLOORING INSTALLER VERIFY)

- 3. ROOM FINISH SCHEDULE IS FOR GENERAL COORDINATION OF FINISHES. REFERENCE CONSTRUCTION PLAN (A1.01) AND FINISH PLAN (A8.02) AND INTERIOR ELEVATION(S) FOR COORDINATION OF ALL FINAL FINISHES.
- 4. FINISHES NOT SPECIFIED TO BE COORDINATED WITH TENANT/CONTRACTOR.
- 5. APPROXIMATE HEIGHT OF EXISTING CEILING GRID = 9'-0" A.F.F. (FIELD VERIFY PRIOR TO CONSTRUCTION)

DOOR LEGEND

DOOR TYPES

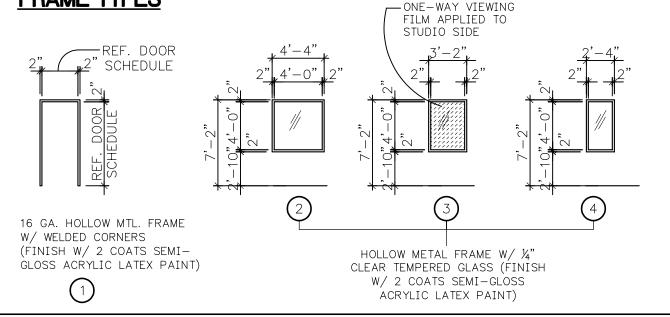


ACRYLIC LATEX PAINT)

FRAME TYPES

GRADE WOOD DOOR (FINISH

W/ 2 COATS SEMI-GLOSS



WOOD DOOR. (FINISH W/ 2

COATS SEMI-GLOSS ACRYLIC

LATEX PAINT)

REMARKS LEGEND

1. VERIFY EXISTING HARDWARE IS ADA COMPLIANT AND IN SERVICEABLE CONDITION. 2. ADD ONE-WAY WINDOW FILM ON STUDIO SURFACE.

HARDWARE SETS

GENERAL NOTES: 1. ALL HARDWARE SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) 2. ALL DOOR HARDWARE SHALL BE FINISH US26D OR EQUIVALENT.

- 3. ALL LATCHSETS AND LOCKSETS SHALL BE EQUIPPED WITH LEVER TYPE OPERATING TRIM. 4. ALL CLOSERS SHALL BE LOCATED ON ROOM SIDES OF DOORS.
- 5. CONTRACTOR'S HARDWARE CONSULTANT SHALL BE RESPONSIBLE FOR DETERMINING APPROPRIATE HARDWARE FUNCTION AND OPTIONS
- 6. CONTRACTOR SHALL COORDINATE FINAL KEYING WITH OWNER.

<u>(LK) INTERIOR LATCHSET/ LOCKSETS</u>

SET # LA.1 (INTERIOR SINGLE W/ LOCK - OFFICE) ("HAGER" BB1279 4½ x4½) ("SCHLAGE" D-SERIES, SATURN 626) ("ROCKWOOD" 403) -SILENCERS ("ROCKWOOD" 608-RKW)

("HAGER" BB1279 4½ x4½) ("SIMPLEX" L1021S-626) -LOCKSET -CLOSER ("DORMA" 8600-689 SERIES) -DOOR STOP ("ROCKWOOD" 403)

SET # LA.3 (Interior single w/ lock - toilets)
-HINGES ("HAGER" BB1279 4½ x4½) ("SCHLAGE" D-SERIES, SATURN 626) ("FALCON" D271-626) -CLOSER ("DORMA" 8600-689 SERIES) -DOOR STOP ("ROCKWOOD" 403) -SILENCERS ("ROCKWOOD" 608-RKW)

-SILENCERS ("ROCKWOOD" 608-RKW)

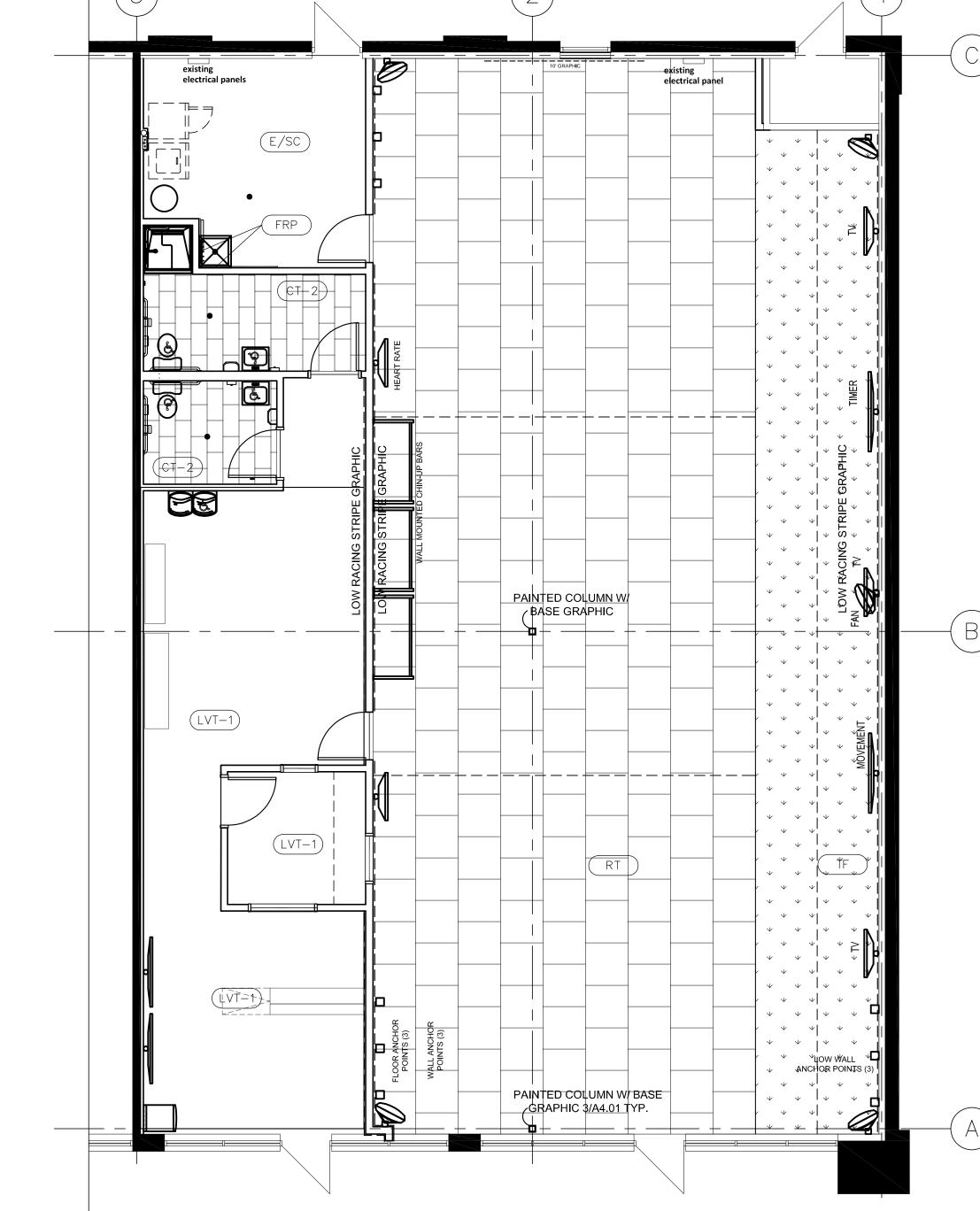
(AL) ALUMINUM DOORS SET # AL.1 (EXTERIOR SINGLE ALUMINUM)

(HEAVY DUTY - BY DOOR MFR.) -HINGES -CLOSER (HEAVY DUTY - BY DOOR MFR.) -PUSH/PULLS (MATCH EXISTING) -DEAD LATCH ("ADAMS-RITE" 4510 DEAD LATCH W/ 4560 LEVER TRIM) -THRESHOLD ("PEMKO" 2005 AS OR EQUAL)

-WEATHERSTRIP ("PEMKO" 316 AV OR EQUAL) -BOTTOM SWEEP ("PEMKO" 345 2AV OR EQUAL)

(PP) PUSH/PULLS

<u>SET # PP.1</u> (INTERIOR SINGLE PUSH/PULL - FITNESS ROOM) ("HAGER" BB1279 4½ x4½) -PUSH/PULL ("ROCKWOOD" 102x70C US 626) -CLOSER ("DORMA" 8600-689 SERIES) -KICKPLATES (2) "ROCKWOOD" K1038 8"x34") -DOOR STOP ("ROCKWOOD" 441) -SILENCERS ("ROCKWOOD" 608-RKW)



Date: Issued For: PERMIT REVISIONS A-2021000212 ARCHITECT STRUCTURAL MECHANICAL 5BY5 ENGINEERS ELECTRICAL FIRE PROTECTION



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12/30/22

No. Date Description

JASON B HANSEN

PROJECT TEAM

MOMENTUM ARCHITECTURE+DESIGN

5BY5 ENGINEERS

CEILING CONSTRUCTION NOTES:

- 1. LAYOUT SHOWN FOR REFERENCE ONLY. REF LIGHTING AND MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
- 2. CONTRACTOR TO REVIEW AND VERIFY LOCATIONS OF MECHANICAL EQUIPMENT INCLUDING DIFFUSERS, RETURN AIR GRILLES, AND THERMOSTATS.
- 3. CONTRACTOR TO REVIEW AND VERIFY LOCATIONS OF LIFE SAFETY EQUIPMENT INCLUDING EXIT SIGNS AND OCCUPANT NOTIFICATION DEVICES.

CONTRACTOR TO REVIEW AND VERIFY LOCATIONS OF LIFE SAFETY EQUIPMENT INCLUDING EXIT SIGNS AND OCCUPANT NOTIFICATION DEVICES.

REFLECTED CEILING LEGEND



NEW GYP. BD. CEILING



1" SPRAYON CELULOSE K-13 ACOUSTIC INSULATION



NEW 2'x4' SUSPENDED ACOUSTICAL TILE CEILING AND NEW OR EXISTING GRID.



RECESSED CAN LIGHT REF SPECIFICATIONS

WALL SCONCE, REF SPECIFICATIONS



4' OR 8' LED STRIP PENDANT LIGHT REF SPECIFICATIONS



WALL MOUNTED AUDIO SPEAKER, REF SPECIFICATIONS



EXIST. SUPPLY AIR DIFFUSER TO REMAIN. REF. MECHANICAL



NEW LOCATION FOR RELOCATED SUPPLY AIR DIFFUSER. VERIFY LOCATIONS WITH MECHANICAL



EXIST. RETURN AIR GRILLE TO REMAIN. VERIFY LOCATIONS WITH MECHANICAL CONTRACTOR.



NEW/RELOCATED RETURN AIR GRILLE. VERIFY



LOCÁTIONS WITH MECHANICAL CONTRACTOR



EXIST. EXIT SIGN TO REMAIN

EXIST. EXIT SIGN TO BE REMOVED. SALVAGE FOR REINSTALLATION

NEW LOCATION FOR RELOCATED EXIT SIGN

EXIST. EMERGENCY LIGHT TO REMAIN

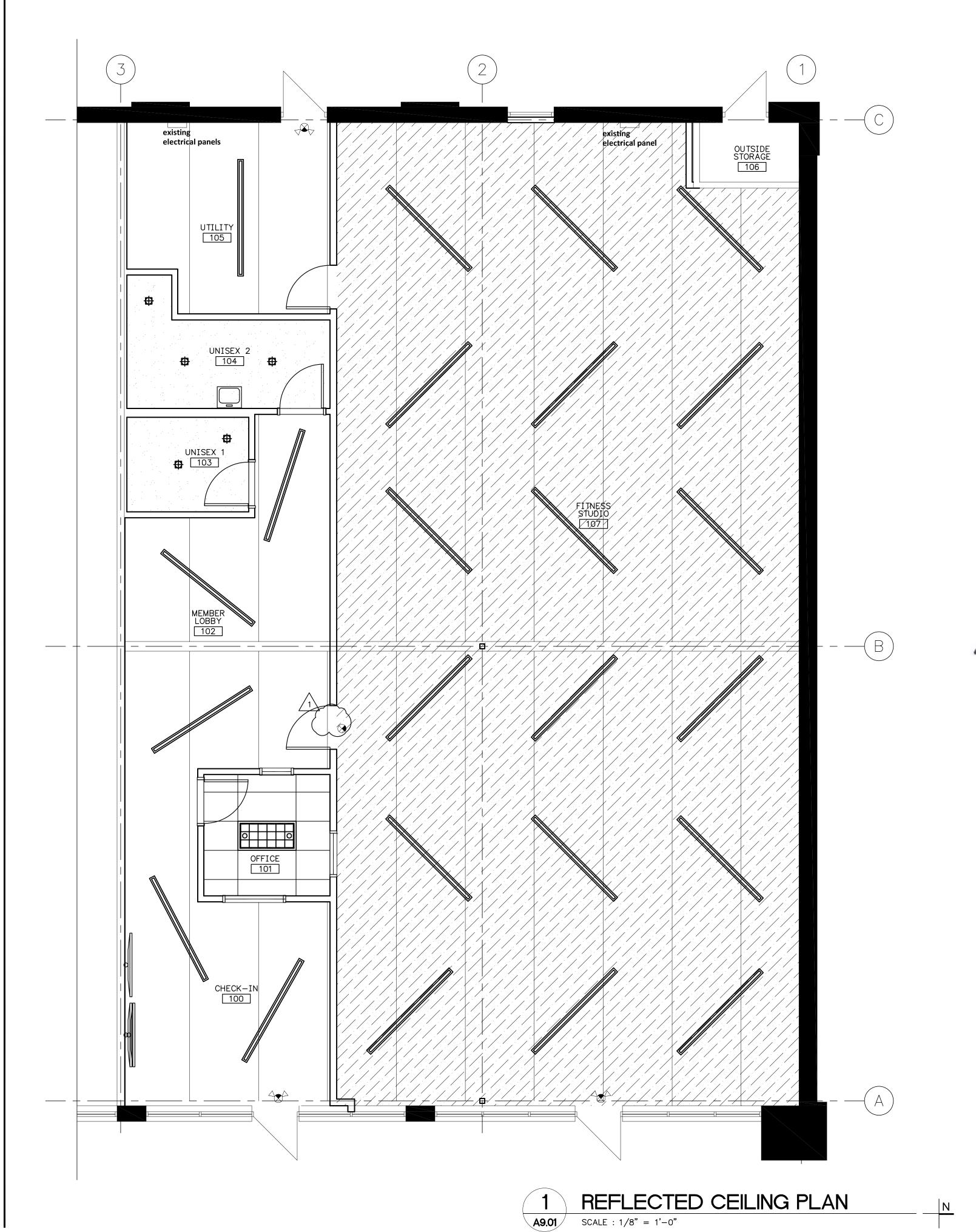
EXIST. EMERGENCY LIGHT TO BE REMOVED. SALVAGE FOR REINSTALLATION

NEW/ RELOCATED EMERGENCY LIGHT

EXIST. HORN/STROBE TO REMAIN

EXIST. HORN/STROBE TO BE REMOVED. SALVAGE FOR REINSTALLATION

NEW/ RELOCATED HORN/STROBE



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PROJECT TEAM

MOMENTUM

5BY5 ENGINEERS

ARCHITECTURE+DESIGN

ARCHITECT

ELECTRICAL

STRUCTURAL **5BY5 ENGINEERS** MECHANICAL

CONTRACTOR HAWTHORN PROJECTS

FIRE PROTECTION

	MaD Fitness Group			12/08/2022 Update						
	F45 Spec Book			ns with owner approval						
Division	All changes/substitutions to be app	proved by ow	Location Location	MFG	Model	Other	Color/Misc	Website	Add'l Contact Info	Revision
umbing	Water Fountain	Standard	Hallway-per plan	Elkay	EXSTL8WS	With Bottle Filler	SS SS	Website	Add i Contact inio	REVISION
umbing umbing	Water Fountain Sink Wall	Alternate Standard	Hallway-per plan Bathroom	Halsey Taylor American Standard	HTHB-HA Lucerne 0356.041	CG8BLSS 20 x 18	SS White			
umbing	Sink Wall	Alternate	Bathroom	Gerber	Monticello II	20 x 18	White			9/22/20
umbing umbing	Toilet Faucet-Sink	Standard Standard	Bathroom Bathroom	Gerber Moen	Pressure assist H/C 8554	Ultra Flush 20-318 Battery powered	White Chrome			9/12/20
umbing	Faucet-Sink	Alternate	Bathroom	American Standard	605B.204/PK00.PAC	Innsbrook Selectronic	SS			3/12/2
umbing	Shower Hand Held	Standard	Bathroom	Luxart Classico II	LC2SYS60-CP		SS			
umbing umbing	Shower Valve Mop Floor Sink and Faucet	Standard Standard	Bathroom Utility	Olympia Fiat MSB2424 and 830 AA Faucet	Temp/Pressure Balanced	Or equal floor mounted	White			
umbing	Mop Rack	Standard	Utility	Bobrick B-223 Mop holder	DOE 50 AND	50.0.11	SS			
umbing umbing	Water Heater Water Heater	Standard Alternate	Utility- floor/or hung Utility- floor/or hung	State 50-Gallon A O Smith 50-Gallon	PCE-50-20LS DEL 50	50 Gallon 50 Gallon				
umbing	Trench Drain	Standard	Shower	Tru-Line	304 SS with S Style grate	SS	Length by location			
umbing umbing	Trench Drain Washer Box	Alternate Standard	Shower Utility	Zurn Oatey	ZS880 Center drain outlet box	SS 38934	Length by location White			
umbing	Floor Drain	Standard	Bathrooms/Laundry per plan	Sioux Chief	832 Series	Or equal	Nickel Bronze			
umbing le	Clean Out Tile-Bathroom Wall	Standard Standard	Per code - adjustable Bathroom	Sioux Chief Daltile	852 Series Museo Block Grey Mix MU37	Or equal 12 x 24 (Horizontal)	Nickel Bronze Total to 5' height or full tile	https://www.daltile.com/pr	ducts/concrete-look/museo/grey-m	niv
le	Tile-Bathroom Wall	Alternate	Bathroom	Daltile	Museo Block White Mix MU36	12 x 24 (Horizontal)	Only if MU37 not available		oducts/concrete-look/museo/white-r	
ile	Tile-Bathroom Floor	Standard	Bathroom	Daltile	Museo Natural Grey MU32	12 x 24	Natural Grey MU32	https://www.daltile.com/pr		1
ile ile	Tile-Shower Floor Tile- Base	Standard Standard	Bathroom	Daltile Schluter Cove at base	Museo Abstract Mosaic MU32 Dilex-HKW	2 x 3 9 MM	Natural Grey MU32	nttps://www.daitile.com/pr	oducts/concrete-look/museo/natural With inside/outside trims	9/12/2
le .	Tile- Grout	Standard	Bathroom	Mapei	105 Driftwood	All tile				8/11/2
ooring ooring	Sealed Concrete Vinyl	Standard Alternate	Utility/Storage Utility/Storage	Armstrong Excelon Field Gray 51927	Use LVT when floor unsuitable to be ex-	1	Use LVT when floor unsuitable to be exposed Use when floor unsuitable to be exposed			
ooring	Sealed/Polished Concrete	Standard	Common areas	Office/Reception/Corridors	Use LVT when floor unsuitable to be ex	posed	Use LVT when floor unsuitable to be exposed			
ooring ooring	Floor-LVT (Ga and Fl locations)	Standard Standard	Common areas Common areas	Next Floor Next Floor	Patina 419015 Antique Brass Patina 419015 Antique Brass	18 x 24 18 x 24	https://www.roeselheck.com/ Dunn Rasbury@a-msupply.com		Dori Blitzstein blitzstein@msn.com Jill Turner@a-msupply.com	
ooring	Floor-LVT (Ga and F1 locations)	Alternate	Common areas Common areas	Armstrong	Braco 331 Mortar	Only used when Next Floor product is no			anter @a-mouppiy.com	
ooring	Cove base	Standard	As required per plan	Roppe or Armstrong	4" Black			EAE Closing Tourish to the	C.EAE Flooring Under Hally Co. 1	0/40/5
ooring ooring	Rubber Gym Tile Rubber Gym Tile	Standard Standard	Pods Transition to LVT	Provided by owner Provided by flooring installer	3.2' x 3.2' Install in offset pattern Tarkett	Adhesive only required at edges CRS-40-D	Brick/Staggered pattern NOT Aligned Black	<u>г45 Flooring - Installation U</u>	s F45 Flooring - Installation Use.pdf	9/12/2 9/22/2
ooring	Astroturf Track	Standard	Sled Tracks	Provided by owner	7.8' wide	Follow manufacturer instructions	Blue		F45 Flooring - Installation Use.pdf	10/31/2
ooring pecialties	Astroturf Track Adhesive Grab Bar	Standard Standard	Sled Tracks Bathroom	Provided by flooring installer Bobrick	Mapei Ultrabond G21 B-6806	Follow manufacturer instructions Size per plan		F45 Flooring - Installation U	s F45 Flooring - Installation Use.pdf	12/6/2
pecialties	Mirror	Standard	Bathroom above Sink	Bobrick	B-165	18" x 36"				
pecialties	Sanitary Napkin Disposal	Standard Standard	Bathroom Bathroom	Bobrick Bobrick	B-270 B-2111	Surface Mounted	Both restrooms			
pecialties pecialties	Soap Dispenser Toilet tissue	Standard Standard	Bathroom Bathroom	Bobrick Bobrick	B-2111 B-4288	Surface Mounted				
pecialties	Shower rod/curtain	Standard	Bathroom	Bobrick	B6047/B204					
pecialties pecialties	Shower seat Shower Shelf	Standard Standard	Bathroom Shower	Bobrick Gatco	B5181 Model 1455	Wall mount shelf	SS - Must be installed at time of tiling			8/11/2
pecialties	Robe hook	Standard	Bathroom	Bobrick	B6717/B6727					3/ 11/1
pecialties pecialties	Hand Dryers Hand Dryers	Standard Alternate	Bathroom Bathroom	AIKE Xlerator	AK2903HD White	Match available voltage Match available voltage	Remove cord and wire direct Only when AIKEis not available			_
pecialties	Paper Towel Dispenser	Alternate	Bathroom	Tork	Xpress Multi fold	When electric is not available for hand di	· · ·			
pecialties	Baby Changer-ONLY WHEN REQ'D	When Req.	Bathroom	Koala Kare	KB301 Grey-01	Or per drawing when required	ONLY WHEN REQUIRED by CODE		ONLY WHEN REQUIRED by COI	DE 10/11/2
pecialties	Wall Fans	Standard	Pods	Comfort Zone 16" Oscillating	Model CZ16WR	With remote control	White - order from Amazon \$34.59 or price match from Home Depot	https://www.amazon.com/	5 Total (1 each corner & 1 center over sled track)	9/12/2
pecialties	Shelving	Standard	Utility Room	HDX	Model 21656PS	Confirm size based on space	Chrome		Available at Home Depot	8/11/2
lectrical	Light Fixture	Standard	Everywhere but bathrooms	Warehouse Lighting	BEAMLED8 or 4- DID-130W-3CT-DN	4' and 8' Direct/Indirect	White suspended (60% down/40% up) with beam canopy kits and 10' cords	https://www.warehouse-lig	https://trisun-my.sharepoint.com/p	11/2/2
lectrical	Light Fixture-Add'l cable when req'd	Standard		7	Add'l cable when required to extend har	g of suspended light fixtures	beam canopy kits and 10 cords	1	https://www.cablemasterpowercord	
lectrical	Light Fixture	Alternate	Everywhere but bathrooms	American Linear	2SID	4' and 8' Direct/Indirect	White 3500/4k suspended			12/5/5
lectrical lectrical	Light Fixture Light Fixture	Standard Standard	Office when drop ceiling Bathrooms	Lotus LED LD4R-HO	Also use when drop ceiling in other are LD4R-35K-HO-4R-WRWT	as with owner confirmation	Recessed white reflector and trim	https://www.warehouse-lig	https://trisun-my.sharepoint.com/p	ner 12/6/2 11/16/2
lectrical	Light Fixture	Alternate	Bathrooms	HE Williams	4DR-TL		Recessed			
lectrical lectrical	Light Fixture Light Fixture	Alternate Standard	Bathrooms Utility Room	Helios 6" recessed Warehouse Lighting	6R 25L40KWF Downlight 4' or 8' LED high bay suspended fixture	ner nlan-Inevnensive alternative	Recessed 120-277 volt 4 lamp			
lectrical	Light Fixture Light Fixture		D Bathrooms-Vanity	Not used	7 of 6 EED fligh day suspended fixture	per pran-mexpensive anemative	No vanity lights by mirror only recessed lights	in bathroom		
ectrical	Cover plates	Standard	White at painted walls, Stainless							
ectrical ectrical	Occupancy Sensors Camera receptacles	Standard Standard	All areas-per plan OH mount for security cameras	Per plans - 1 each facing main entrance door and rear exit of	doors		Or equal with approval			12/5/2
ectrical	Outlets for Large Logo sign in Pod	Standard	Rear Wall in Exercise Rm (logo	Wall per plan) 3 wall receptacles for 3 piece log		r at 32 1/2" AFF, middle at 69 3/4" AFF and	top at 108 3/4" AFF. Coordinate final outlet local	tion with owner. Switch locat	ion per owner (in utility rm if nearby)	12/5/2
ectrical ectrical	Reception Counter receptacle-Quad Locker electric receptacle	Standard Standard	Quad outlet at wall located at 13	8" AFF at middle of side of desk. ly 6'-6" AFF and 12" left and right of the centerli	ine of the lockers which are 6'-0" wide					12/5/2 12/5/2
ectrical	Refrigerator receptacle	Standard		ea to be determined based on space. Verify locati						12/5/2
ectrical	Lionheart receptacle	Standard	Ceiling mounted at center of Pool							
ectrical oors	Bluetooth receptacle Door Hardware Hinges	Standard Standard	All	ay be able to use per code outlet) Hager	Hager BB1279 4 1/2 x 4 1/2 US 627		Or equal	1		
oors	Door Hardware Passage	Standard	Restrooms	Schlage D Series	Saturn US 626	Passage				
oors	Occupancy Indicator Deadbolt Door Hardware Passage	Standard Standard	Restrooms Office	Falcon Schlage D Series	D271- 626 Saturn US 626	Passage	Or equal			
oors	Door Hardware	Standard	Other	Schlage D Series	Saturn US 626		Where applicable			
oors	Panic Bar All emergency exits	Standard Standard	Rear exits at metal doors	Von Duprin locked from the exterior & have panic bars	22EO SP28 36" Detex Alarm EAX-500	With 230L SP28 Lever trim and 7205 cy Mount on door with keyed alarm function			Where required by code	8/11/2
oors	Combo Lock	Standard Standard	Utility Room	Simplex	L1021S-626	intount on door with keyed alarm function	Or equal-VE			
oors	Door Floor Stops	Standard	As required	Rockwood	441 Low dome US 626		Or equal			
oors	Door Wall Stops Closers	Standard Standard	As required As required	Rockwood Dorma	8600 689 finish		Or equal Or equal			
oors	Push Pull	Standard	As required	Rockwood	102 x 70C US 626		Or equal			
echanical echanical	HVAC Units Duct liner	Standard Standard	Per plans or equal Johns Manville	1T/200sf in exercise floor. MUST consider so Permacote Linacoustic	ound walls for duct layout. Standard rectar	ngular box duct with liner acceptable	HVAC Units per plan or equal approved by M Or equal	echanical Engineer	1	
echanical	Washer	Standard	Utility Room	Maytag	MVWP575GW	White	Confirm ADA not required		Maytag MVWP575G Washer.pdf	11/1/2
echanical	Dryer	Standard	Utility Room Must NOT be mounted on room	Maytag	MEDP575GW	White	Confirm ADA not required		Maytag MEDP575GW Dryer.pdf	11/1/
chanical ywall	Thermostat Sound caulk at sound walls	Standard Standard	Sound seal	wall within logo design (if Tstat is to be located of OSI	SC-175	Required at sound separation walls	Or equal	+		
wall	Sound mat at sound walls	Standard	Top track	Wallmat-Ari Lesser ari@bfiacoustics.com	3" with KAI rubber bushing	ONLY REQUIRED at sound separation	wall IF TENANT ABOVE		michael@bfiacoustics.com	
ywall	Sound mat at sound walls	Alternate	RARELY REQ'D-Bottom track Doors, door & window frames,	Wallmat-Ari Lesser ari@bfiacoustics.com	3" with KAI rubber bushing	ONLY REQUIRED at sound separation			michael@bfiacoustics.com	
int	All areas	Standard	columns	Sherwin Williams	SW6545 Majestic Purple semi-gloss		Purple	<u> </u>	ļ	10/11/2
int int	Bathrooms All areas	Standard Standard	Bathroom walls/ceiling All other walls	Sherwin Williams Sherwin Williams	SW7005 Pure White semi-gloss SW7005 Pure White eggshell		White White	+	+	
int	All areas	Standard	Exposed deck and steel	Sherwin Williams	Dry fog white flat	Include exposed steel at K-13 spray	Fog white			
int	Interior Columns	Standard	All areas-per plan	Sherwin Williams	SW6545 Majestic Purple semi-gloss					
int	All areas	Alternate	Exposed ductwork and sprinkler piping	Sherwin Williams	DTM white per SW specs	Alternate based on owner decision				11/9/
eiling Type	Open to Deck-see below when drop ce	<u> </u>								
eiling Tile eiling Tile	ONLY WHEN REQ'D-Acoustical Tile ONLY WHEN REQ'D-Acoustical Tile		Workout Area, office Workout Area, office	Armstrong USG	Cirrus High NRC 563 Millennia High NRC 76505	All offices, workout only when required All offices, workout only when required	Office when deck is above 14' Office when deck is above 14'			
ning the	Acoustical Spray	Standard	Workout Area, office Workout Area	International Cellulose	K-13 - white	Or approved equal	1" coating on decking			
oustics	recustreal spray	-				** *	<u> </u>	†	i	40/44/5
coustics 45 Equipment 45 Equipment	Chin up bars Wall Anchors	Standard Standard	Center in POD 2 as possible	Attachment Bolts Attachment Bolts	1/2" x 3 1/2" lag bolts with flat washers 3/8" x 3 1/2" lag bolts with flat washers		Bolts that come with the bars are too short Bolts that come with the anchors are too short			10/11/2 11/9/2

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relopment Services Depart Lee's Summit Missour 03/30/2023 Span 138 NE Dondlas Summit Mo 64 OFFI Property of the Property of th

Date:

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PROJECT TEAM

MOMENTUM ARCHITECTURE+DESIGN

STRUCTURAL

5BY5 ENGINEERS MECHANICAL

5BY5 ENGINEERS ELECTRICAL

FIRE PROTECTION

S-1 G/R/D TAG 8ø NECK SIZE 300 AIR FLOW (CFM)

ABBREVIATIONS LEGEND:

ABOVE FINISHED FLOOR

AIR PRESSURE DROP

BAS BUILDING AUTOMATION SYSTEM CAV CONSTANT AIR VOLUME

CFM CUBIC FEET PER MINUTE

(E) EXISTING EXHAUST AIR

ENTERING AIR TEMPERATURE EF EXHAUST FAN

EXHAUST GRILLE ESP EXTERNAL STATIC PRESSURE

FPM FEET PER MINUTE HC HEATING CAPACITY HORSEPOWER

HUM HUMIDIFIER IN.WG INCHES WATER GAUGE

LEAVING AIR TEMPERATURE MAXIMUM

1,000 BTUH

MIN MINIMUM NOISE CRITERIA OUTDOOR AIR

QUANTITY RETURN AIR

REFR REFRIGERANT

RETURN GRILLE ROOFTOP UNIT

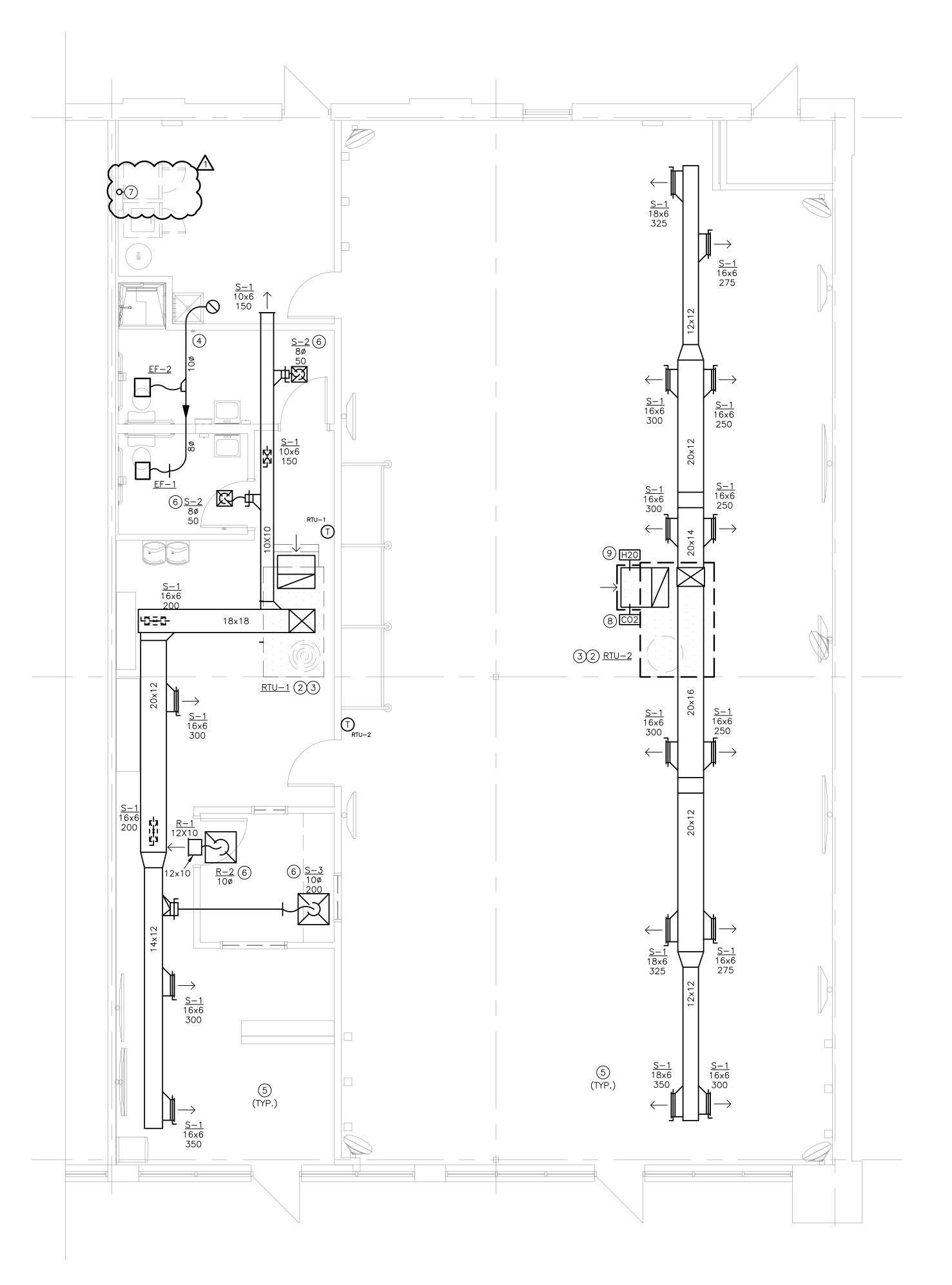
SENSIBLE COOLING CAPACITY

SUPPLY AIR

SUPPLY DIFFUSER TOTAL COOLING CAPACITY

TO ROOF ABOVE TOTAL STATIC PRESSURE

VEL VELOCITY



 $\frac{MECHANICAL}{SCALE: 1/4" = 1'-0"} \frac{HVAC}{PLAN}$



1. LOCATE RTU-2 WHERE SHOWN AT LOCATION OF EXISTING ROOF CURB. REUSE EXISTING ROOF PENETRATIONS WHERE POSSIBLE. COORDINATE WITH ROOFING OPTION: IF FEASIBLE, PROVIDE A CURB ADAPTER TO REUSE EXISTING ROOF CURB.

4. COMBINE EXHAUST DUCT FROM EF-1 AND EF-2. ROUTE 10"ø EXHAUST DUCT THROUGH ROOF WHERE SHOWN. PROVIDE ROOF PENETRATION AND TERMINATE IN GOOSENECK PER MANUFACTURER'S RECOMMENDATIONS. LOCATE DISCHARGE AT MINIMUM OF 10'-0" FROM ANY BUILDING OPENINGS, OUTDOOR AIR INTAKES OR FIRE SEPARATIONS.

5. PROVIDE BALANCING DAMPERS IN ALL DUCT TAKEOFFS.

6. LOCATE AIR DEVICE IN CEILING WHERE SHOWN.

COORDINATE WITH REFLECTED CEILING PLAN. 1 COURDINATE WITH REFERENCE CELENTO 1 D.W. ROUTE DRYER EXHAUST IN WALL UP THROUGH ROOF. DRYER EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF ALUMINUM, NO LESS THAN 0.016 INCHES THICK, WITH A SMOOTH INTERIOR FINISH. EXHAUST DUCT SIZE SHALL BE 4 INCHES NOMINAL IN DIAMETER. DRYER EXHAUST DUCT SHALL BE INSTALLED IN ACCORDANCE WITH IMC 504.2, 504.4, 504.8.1, AND 504.8.2. PROVIDE BUILDING CONSTRUCTION WITH DRYWALL AND METAL STUDS AROUND DRYER EXHAUST SUCH THAT DRYER EXHAUST IS NOT EXPOSED TO RETURN AIR PLENUM. PROVIDE GOOSE NECK FOR ROOF EXHAUST. PROVIDE DRYER BOX BEHIND DRYER N WALL.

8. CO2 SENSOR FURNISHED WITH ROOFTOP UNIT BY MANUFACTURER FOR DEMAND CONTROL VENTILATION. INSTALL IN RETURN AIR DUCT AND WIRE BACK TO CONTROLLER. REFER TO RTU MANUFACTURER'S INSTALLATION INSTRUCTIONS.

9. H20 SENSOR FURNISHED WITH ROOFTOP UNIT BY MANUFACTURER FOR DEHUMIDIFICATION CONTROL INSTALLATION INSTRUCTIONS.

— MECHANICAL PLAN NOTES:

CONTRACTOR TO MAINTAIN ROOF WARRANTY. CONTRACTOR

2. EXISTING ROOFTOP UNIT TO REMAIN IN USE. VERIFY PROPER OPERATION AND REPORT ANY DEFICIENCIES TO OWNER. REFER TO EXISTING ROOFTOP UNIT SCHEDULE FOR TEST AND BALANCE REQUIREMENTS.

3. EXTEND SUPPLY AND RETURN AIR DROPS FROM RTU TO BELOW STRUCTURE. PROVIDE A RETURN AIR ELBOW FULL-SIZE OF RTU OPENING FOR RETURN. ELBOW DUCT FOR NOISE ATTENUATION. PROVIDE 1/2" ALUMINUM MESH GRILLE FULL SIZE OF RETURN ELBOW OPENING.

For:

SEQUENCE. INSTALL IN RETURN AIR DUCT AND WIRE BACK TO CONTROLLER. REFER TO RTU MANUFACTURER'S

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03/08/23

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1. 3.17.23 CITY REVIEW

REVISIONS No. Date Description

THOMAS J. ELLIS JR. MO LICENSE # E-2001011619

PROJECT TEAM

MOMENTUM ARCHITECTURE+DESIGN ARCHITECT 5BY5 ENGINEERS MECHANICAL

5BY5 ENGINEERS

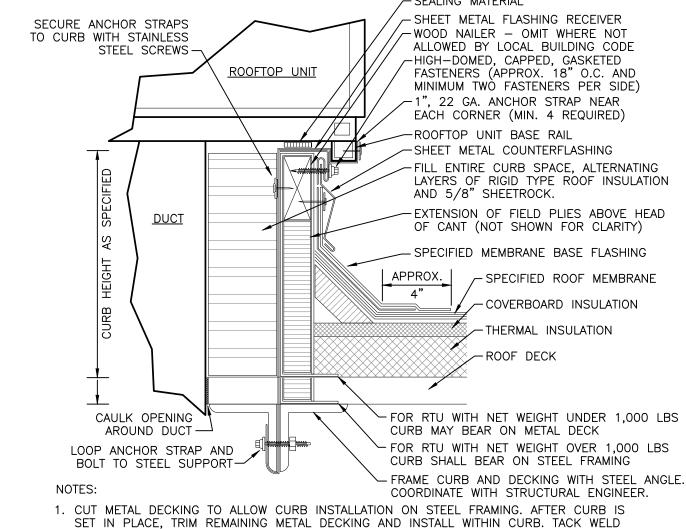
ELECTRICAL 5BY5 ENGINEERS

MECHANICAL GENERAL NOTES:

- DRAWINGS ARE SCHEMATIC IN NATURE AND BASED ON PRELIMINARY SITE OBSERVATION AND ORIGINAL DESIGN DRAWINGS (WHEN AVAILABLE). CONTRACTOR SHALL INVESTIGATE THE PROJECT SITE AND BECOME FULLY AWARE OF ALL FIELD CONDITIONS, CURRENT SYSTEM OPERATION, AS WELL AS COORDINATION REQUIREMENTS. COORDINATE ALL MECHANICAL WORK WITH ARCHITECTURAL DRAWINGS, EXISTING CONDITIONS, AND OTHER TRADES PRIOR TO START OF WORK.
- MECHANICAL WORK SHALL CONFORM TO APPLICABLE CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- COORDINATE WITH ELECTRICAL CONTRACTOR FOR REQUIRED ELECTRICAL POWER WIRING AND ROUGH-IN FOR LOW-VOLTAGE CONTROL WIRING. PROVIDE ALL CONTROL WIRING AND FINAL CONTROL DEVICE (E.G. THERMOSTATS).
- FABRICATE AND INSTALL DUCTWORK PER SMACNA RECOMMENDATIONS FOR THE PRESSURE CLASSIFICATIONS
- •• LOW PRESSURE SUPPLY AIR: +2.0 IN.WG
- •• RETURN AIR: −2.0 IN.WG •• EXHAUST AIR (UPSTREAM OF FAN): -2.0 IN.WG
- PROVIDE MITERED ELBOWS AT CHANGES IN DIRECTION IN RECTANGULAR DUCTWORK. PROVIDE TURNING VANES IN ALL ELBOWS WHERE AIRFLOW CHANGES DIRECTION AT ANGLES 45° AND GREATER, EXCEPT FOR RETURN AIR TRANSFER DUCTS.
- PROVIDE ALL CONDENSATE DRAINS FOR EQUIPMENT THAT GENERATES CONDENSATE. COORDINATE WITH PLUMBING CONTRACTOR.
- PROVIDE DUCT WRAP INSULATION FOR ALL ROUND AND RECTANGULAR SUPPLY AIR DUCTWORK. DUCT WRAP INSULATION SHALL BE 2" THICK, MINIMUM R-6.0 FIBERGLASS DUCT WRAP WITH VAPOR BARRIER.
- CONTRACTOR OPTION: PROVIDE INTERNAL LINER INSULATION FOR SUPPLY AIR DUCTWORK. INTERNAL LINER INSULATION SHALL BE 1" THICK, 2 LB/FT3 ACOUSTICAL DUCT LINER INSULATION WITH MINIMUM R-6.0.
- PROVIDE INTERNAL LINER INSULATION FOR ALL RECTANGULAR RETURN AIR TRANSFER DUCTWORK. INTERNAL LINER INSULATION SHALL BE 1" THICK, 2 LB/FT3 ACOUSTICAL DUCT LINER INSULATION.
- ALL LOW PRESSURE BRANCH DUCTWORK SERVING DIFFUSERS, REGISTERS AND GRILLES (GRD) SHALL BE THE SAME SIZE AS THE GRD'S NECK SIZE UNLESS NOTED OTHERWISE.
- DUCT DIMENSIONS SHOWN ON THE PLANS INDICATE THE FREE AREA DIMENSIONS. INCREASE SHEET METAL DIMENSIONS AS REQUIRED TO MEET FREE AREA DIMENSIONS WITH LINER INSTALLED.
- FLEXIBLE DUCTWORK SHALL HAVE 2" THICK, MINIMUM R-6.0 INSULATION. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" IN LENGTH FOR SUPPLY AIR APPLICATIONS AND 3'-0" IN LENGTH FOR RETURN AIR AND EXHAUST AIR APPLICATIONS.
- PROVIDE BALANCING DAMPERS IN DUCT TAKE-OFFS TO AIR DEVICES IN LAY-IN CEILINGS, IN THE NECKS OF AIR DEVICES IN GYP BOARD CEILINGS, AND IN THE NECKS OF SIDE WALL AIR DEVICES FOR PROPER AIR BALANCING.
- TOILET ROOM EXHAUST FANS SHALL BE AS SCHEDULED. PROVIDE A MINIMUM OF 75 CFM EXHAUST PER FLUSH
- COORDINATE ALL REQUIRED ROOF PENETRATIONS WITH ROOFING CONTRACTOR TO AVOID ROOF WARRANTY
- VERIFY AVAILABLE SPACE ABOVE ALL CEILINGS PRIOR TO FABRICATION OR INSTALLATION OF ANY DUCTWORK. COORDINATE DUCT INSTALLATION WITH OTHER TRADES.
- · ALL DIMENSIONS SHOWN ON PLAN ARE IN INCHES, UNLESS EXPLICITLY LABELED OTHERWISE.
- PROVIDE A COMPLETE TEST AND BALANCE BY A NEBB CERTIFIED TEST AND BALANCE AGENCY.
- PROVIDE ACCESS PANELS AND ADEQUATE CLEARANCE FOR ACCESS TO ALL EQUIPMENT, VALVES, DAMPERS AND DEVICES.
- INSPECT ALL EXISTING MECHANICAL EQUIPMENT TO REMAIN. REPORT ANY DEFICIENCIES TO OWNER PRIOR TO START OF WORK.
- LABEL ALL DUCTWORK, PIPING, MAINTENANCE DEVICES, AND EQUIPMENT WITH MANUFACTURER STANDARD LABELING SYSTEMS. COORDINATE WITH OWNER FOR FINAL EQUIPMENT DESIGNATIONS.
- PROVIDE O&M MANUAL TO OWNER UPON COMPLETION OF PROJECT.

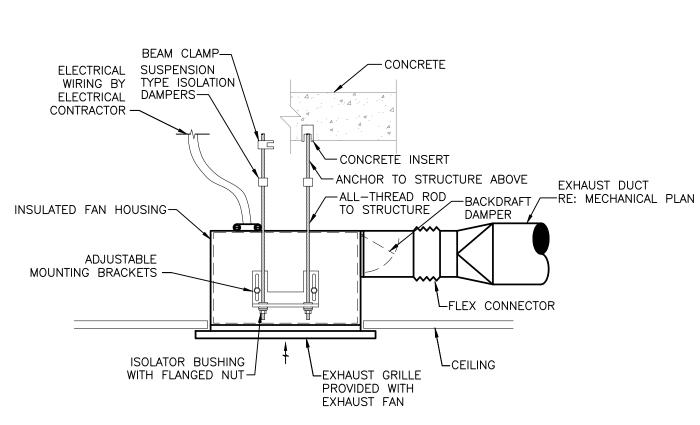
															RO	OFTOP	UNITS	CHED	ULE																	
					SUPPLY	/ FAN		O/A	FLOW					COOLING	COIL (DX)							H	OT GAS REI	HEAT COIL				HEATIN	G COIL (N	ATURAL G	AS)		ELEC	CTRICAL	WEIGHT	
TAG	AREA SERVED	MANUFACTURER	MODEL	FAN	S/A FLOW	MOTOR	ESP	DCV MIN	DCV MAX	MOM	REFR	TC	sc	EAT	L/	AT	MIN	EFF	STAGES	TC	sc	CLG CC	IL EAT	IGR COIL L	AT STAGE	SOAT	NOM INPUT	НС	EAT	LAT	MIN EFF	STAGES	\//DU 1	MCA MOCE	(LBS)	NOTES
				CONTROL	(CFM)	(HP)	(IN.WG)	(CFM)	(CFM)	TONS	TYPE	(MBH) (N	⁄вн) (°i	- DB) (°F WE) (°F DB)	(°F WB)	(EER)	(SEER)	(QTY)	(MBH)	(MBH)	(°F DB)	(°F WB) (°	F DB) (°F	VB) (QTY	(°F DB)	(CFH)	(MBH)	(°F DB)	(°F DB)	(%)	(QTY)	V/PH IV	TICA IVIOCE	(LB3)	
RTU-1	COMMON AREA	LENNOX	ETR	STAGED	2,400		0.9	200	200	6	R-410A	74.0 7	72.0 8	30.0 67.0	52.4	50.9			2				1				150.0	120.0	61.4	107.5	80	2	208/3			N
RTU-2	FITNESS AREA	YORK OR EQUAL	ZYG12	STAGED	3,500	5.3	1.0	600	300	10	R-410A	123.4	90.6	30.0 67.0	56.1	54.6	12.0	14.6	2	54.9	12.6	75.0	67.0	72.1 63	0 1	85.0	220.0	176.0	55.5	101.9	80	2	208/3 5	53.3 60	1,222	A-M

- A. $\,$ PROVIDE WITH CONTROLLER AND CONTROL DEVICES BY MANUFACTURER. REFER TO SEQUENCES OF OPERATION.
- B. PROVIDE WITH WI-FI COMPATIBLE 7-DAY PROGRAMMABLE THERMOSTAT.
- PROVIDE WITH FIXED DRY BULB TYPE ECONOMIZER ASSEMBLY.
- D. PROVIDE WITH MANUFACTURER'S BAROMETRIC RELIEF DAMPER AND HOOD ASSEMBLY.
- E. PROVIDE WITH MANUFACTURER'S STANDARD INSULATED ROOF CURB WITH 1'-2" MINIMUM HEIGHT.
- . PROVIDE WITH DUCT-MOUNTED RETURN AIR HUMIDITY SENSOR FOR DEHUMIDIFICATION CONTROL SEQUENCE. G. PROVIDE WITH DUCT-MOUNTED CARBON DIOXIDE SENSOR FOR DEMAND CONTROL VENTILATION (DCV) SEQUENCE
- H. PROVIDE WITH NON-POWERED WEATHER-PROOF DUPLEX RECEPTACLE.
- PROVIDE WITH 2" THICK, MINIMUM MERV-8 FILTERS. PROVIDE WITH FACTORY-MOUNTED RETURN AIR SMOKE DETECTOR.
- K. PROVIDE WITH CONDENSER COIL GUARDS.
- . ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH.
- M. UNIT SIZED FOR 100°F AMBIENT CONDENSING TEMPERATURE.
- N. EXISTING UNIT TO REMAIN. CONTRACTOR TO VERIFY PROPER OPERATION AND REPORT ANY DEFICIENCIES TO OWNER.

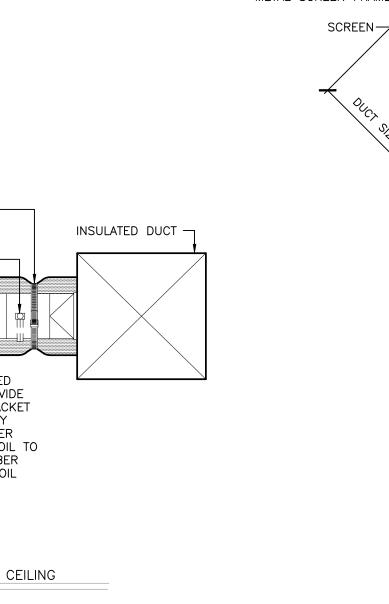


SET IN PLACE, TRIM REMAINING METAL DECKING AND INSTALL WITHIN CURB. TACK WELD DECKING TO SUPPORT STEEL. DO NOT WELD INTERIOR DECKING TO ROOF CURB. PROVIDE ADDITIONAL CROSS FRAMING TO SUPPORT INTERIOR DECKING AND FILL MATERIAL AS REQUIRED.

2. LOCATE ANCHOR STRAPS NEAR EACH OF FOUR UNIT CORNER POINTS. SECURE STRAPS TO JOISTS OR FRAMING ANGLE. KEEP STRAP AS TIGHT AS POSSIBLE.



CEILING MOUNTED EXHAUST FAN DETAIL



1. EXTEND HARD METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 5'-0". PROVIDE RIGID 90" ELBOW WHERE REQUIRED TO KEEP FLEXIBLE DUCT WITHIN 5'-0" LENGTH LIMITATION.

METAL BAND OVER INSULATION (TYPICAL) ----

HIGH EFFICIENCY TAKEOFF EXTERNALLY

INSULATED WITH VOLUME DAMPER AND

SEE NOTE 1.-

PRE-INSULATED FLEXIBLE DUCT AS REQUIRED,

SEALED AND SUPPORTED

1" METAL BAND (TYPICAL)-

PROVIDE WITH MINIMUM

6 SCREWS (EVERY 60°)

AS SCHEDULED-

CEILING DIFFUSER WITH

VOLUME DAMPER, FIRE

VOLUME/FIRE DAMPER

DAMPER OR COMBINATION

INSTALL PERMANENTLY

TO PREVENT KINKING

AND SHARP TURNS -

DAMPER LOCK WITH EXTENSION -

FOR FIRE RATED

CEILINGS. PROVIDE

TO COMPLETELY

COVER DIFFUSER

CONE WITH FIBER

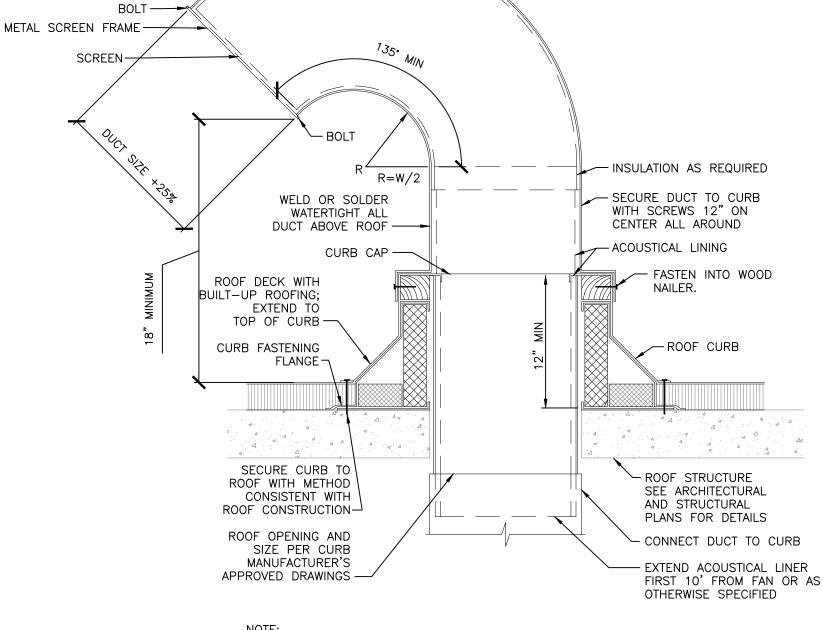
REINFORCED FOIL

BACKTAPE

FIRE RATED JACKET

CONE. SEAL FOIL TO





1. SPUD BACK GRAVEL A MINIMUM OF 30" IN ALL DIRECTIONS. FLASH WITH 90# MINERAL FACED BASED FLASHING. STRIP WITH THREE LAYERS OF ROOFING FELT EMBEDDED IN HOT ASPHALT. GRAVEL TO MATCH.

GOOSENECK THROUGH ROOF DETAIL

	GR	ILLES, REGIS	STERS AND	DIFFUSE	RS		
TAG	MANUFACTURER	MODEL	MOUNTING	FACE SIZE	MAX NC	MAX DP	NOTES
S-1	PRICE	520	WALL/DUCT	SEE PLAN	30	0.1	A,C,D,E,F,G
S-2	PRICE	SCD	CEILING	12x12	30	0.1	A,B,C,F,G
S-3	PRICE	SCD	CEILING	24x24	30	0.1	A,B,C,F
R-1	PRICE	PDDR	CEILING	24x24	30	0.1	C,F
R-2	PRICE	530	WALL	SEE PLAN	30	0.1	A,C,D,G

- A. NECK SIZE SHOWN ON PLANS.
- B. 4 WAY THROW UNLESS INDICATED OTHERWISE ON PLANS.
- BAKED ENAMEL FINISH, WHITE TO MATCH CEILING/WALL COLOR. VERIFY WITH ARCHITECT PRIOR TO ORDER.
-). FRONT BLADES PARALLEL TO HORIZONTAL DIMENSION. VERIFY WITH PLANS.
- . PROVIDE DOUBLE DEFLECTION BARS THAT ARE ADJUSTABLE
- Frame type to match ceiling/wall construction. Coordinate with architectural reflected ceiling plan.

G.	PROVIDE OPPOSED BLADE DAMPER THAT IS ADJUSTABLE FROM THE FACE OF THE DEVICE.

			FAI	N SCHEDU	JLE					
TAG	AREA SERVED	MANUFACTURER	MODEL	MOUNTING	AIR FLOW	ESP	MOTOR	DRIVE	V/PH	NOTES
IAG	AREA SERVED	IVIANUFACTURER	MODEL	MOONTING	(CFM)	(IN.WG)	POWER	TYPE	V/PH	NOTES
EF-1	RESTROOM	GREENHECK	SP-A125	CEILING	100	0.25	20 WATTS	DIRECT	120/1	ALL
EF-2	RESTROOM,	CDEENITICK	CCD 4300	CELLING	200	0.25	122 14/4770	DIDECT	120/1	A. I
CF-Z	SHOWER	GREENHECK	CSP-A200	CEILING	200	0.25	133 WATTS	DIRECT	120/1	ALL

- . PROVIDE WITH MANUFACTURER'S STANDARD HANGING KIT AND CEILING MOUNT TRIM.
- B. PROVIDE WITH DISCONNECT SWITCH. . PROVIDE WITH BACKDRAFT DAMPER.
- D. PROVIDE WITH MANUFACTURER'S STANDARD ROOF CURB AND GOOSENECK.
- . INTERLOCK FAN WITH ASSOCIATED RESTROOM LIGHT SWITCH

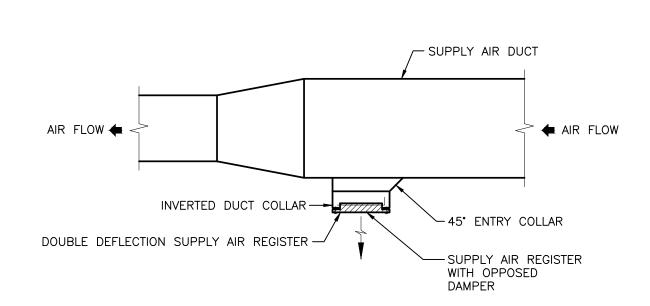
OCCUPANCY CLASSIFICATION	AREA (FT ²)	OCCUPANTS (QTY)	R _P (CFM/PERSON)	MIN OCCUPANT O/A FLOW (CFM)	R _A (CFM/FT ²)	MIN AREA O/A FLOW (CFM)	CFM
HEALTH CLUB/WEIGHT ROOM	2107	22	20	440	0.06	126	566
RECEPTION	302	10	5	50	0.06	18	68
ENTRY LOBBY	220	3	5	15	0.06	13	28
OFFICE	72	1	5	5	0.06	4	ç
					REOLUREI	D OA CFM =	672

PROVIDED DCV MAX OA CFM = 800 PROVIDED DCV MIN OA CFM = 500

A. R_P REPRESENTS PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE PER TABLE 403.3.

B. RA REPRESENTS AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE PER TABLE 403.3.

CALCULATIONS PER 2018 INTERNATIONAL MECHANICAL CODE



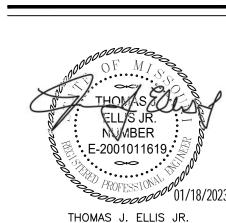
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Date: 12/30/22

Issued STEP 1 FOR For: REVIEW

REVISIONS

No. Date Description



PROJECT TEAM MOMENTUM ARCHITECTURE+DESIGN ARCHITECT 5BY5 ENGINEERS MECHANICAL

MO LICENSE # E-2001011619

5BY5 ENGINEERS 5BY5 ENGINEERS

CONTRACTOR HAWTHORN PROJECTS

GIN

LINETYPES LEGEND:

----- NEW - ABOVE SLAB

--- NEW - BELOW SLAB ----- EXISTING - ABOVE SLAB

---- Existing - Below slab ---- DEMOLITION

PIPING LEGEND:

G→ ELBOW DOWN

O-→ ELBOW UP

C→ P-TRAP

 \leftarrow TEE DOWN

⊱**-O**--> ELBOW UP

BALL → BALL VALVE

GLOBE CLOBE VALVE

BFLY → BUTTERFLY VALVE

GATE CATE VALVE

→ BALANCING VALVE

→ PRESSURE REDUCING VALVE

⊢IŽI→ GAS COCK

→ I

→ UNION

⊢I → FLANGE

₹ RELIEF VALVE

M/A ← AIR VENT (MANUAL / AUTOMATIC)

→ FLOW DIRECTION

← PIPE BREAK / CONTINUATION

FLOOR DRAIN

FLOOR SINK

FLOOR CLEANOUT + HOSE BIBB

ANNOTATION LEGEND:

ABC-1 EQUIPMENT / FIXTURE TAG

PLAN NOTE

CONNECT TO EXISTING

ABBREVIATIONS LEGEND:

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE BOP BT BOTTOM OF PIPE

BATHTUB CUBIC FEET PER HOUR CFH

CO CLEANOUT DOMESTIC COLD WATER

DRINKING FOUNTAIN

DOWN

DSN DOWNSPOUT NOZZLE **EXISTING**

EXPANSION TANK ELECTRIC WATER COOLER

EYE WASH STATION

FCO FLOOR CLEANOUT FD FLOOR DRAIN

FINISHED FLOOR FROM FLOOR ABOVE

FFB FROM FLOOR BELOW

FS FLOOR SINK GREASE INTERCEPTOR

GPM GALLONS PER MINUTE HB HOSE BIBB

HORSEPOWER HWR HOT WATER RECIRCULATION

INVERT ELEVATION IN.WG INCHES WATER GAUGE

JANITOR SINK

LINT INTERCEPTOR LAUNDRY SINK

LV LAVATORY MAX MAXIMUM

MB MOP BASIN 1,000 BTUH

MIN MINIMUM NG NATURAL GAS

NHB NON-FREEZE HOSE BIBB NRH NON-FREEZE ROOF HYDRANT

OD OVERFLOW ROOF DRAIN QUANTITY QTY

ROOF DRAIN RECIRCULATION PUMP

REDUCED PRESSURE ZONE BACKFLOW PREVENTER

SANITARY WASTE SHOWER

SK

SERVICE SINK SEWAGE PUMP

TRENCH DRAIN TO FLOOR ABOVE

TFB TO FLOOR BELOW

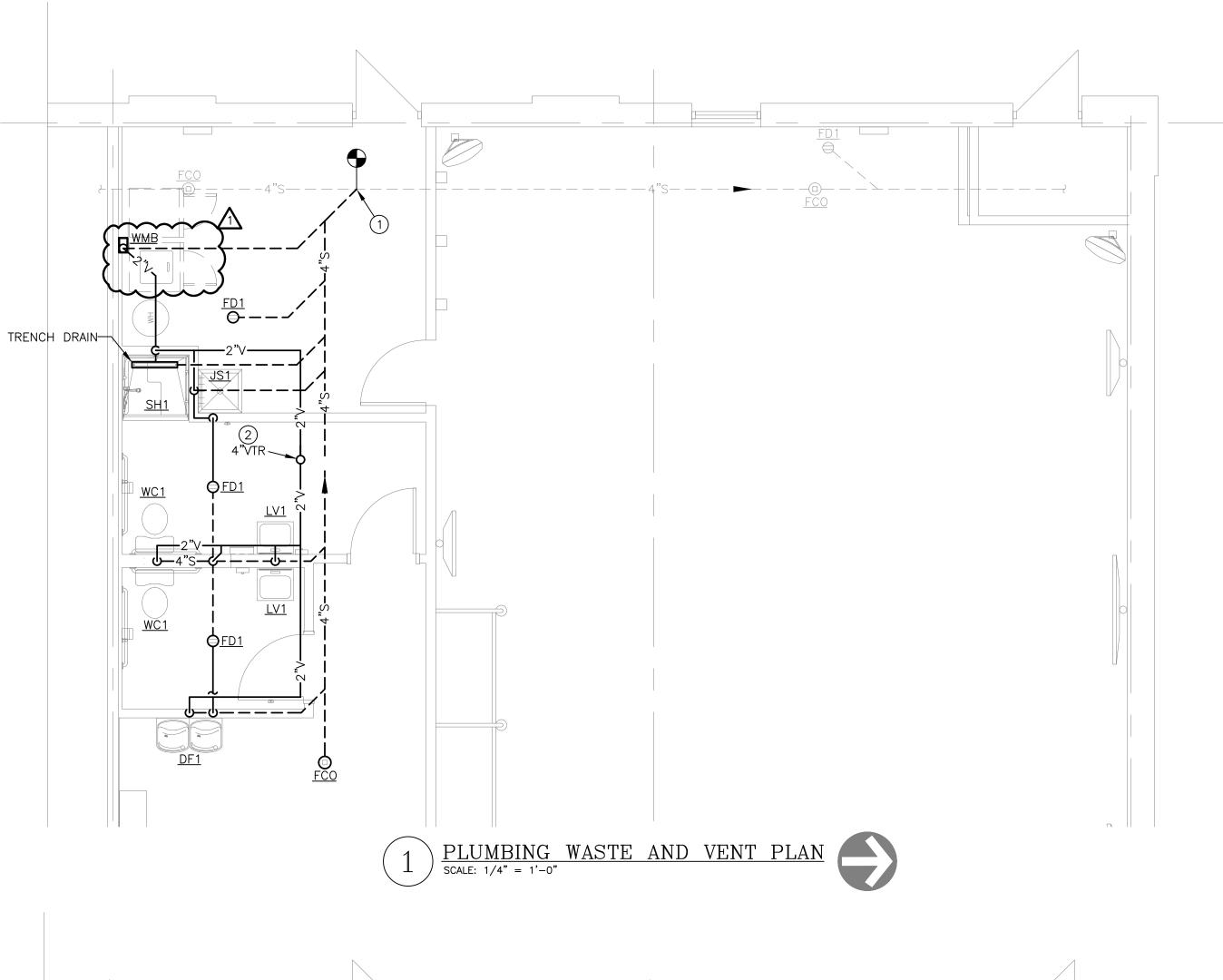
TMV THERMOSTATIC MIXING VALVE TRA TO ROOF ABOVE TSP TOTAL STATIC PRESSURE

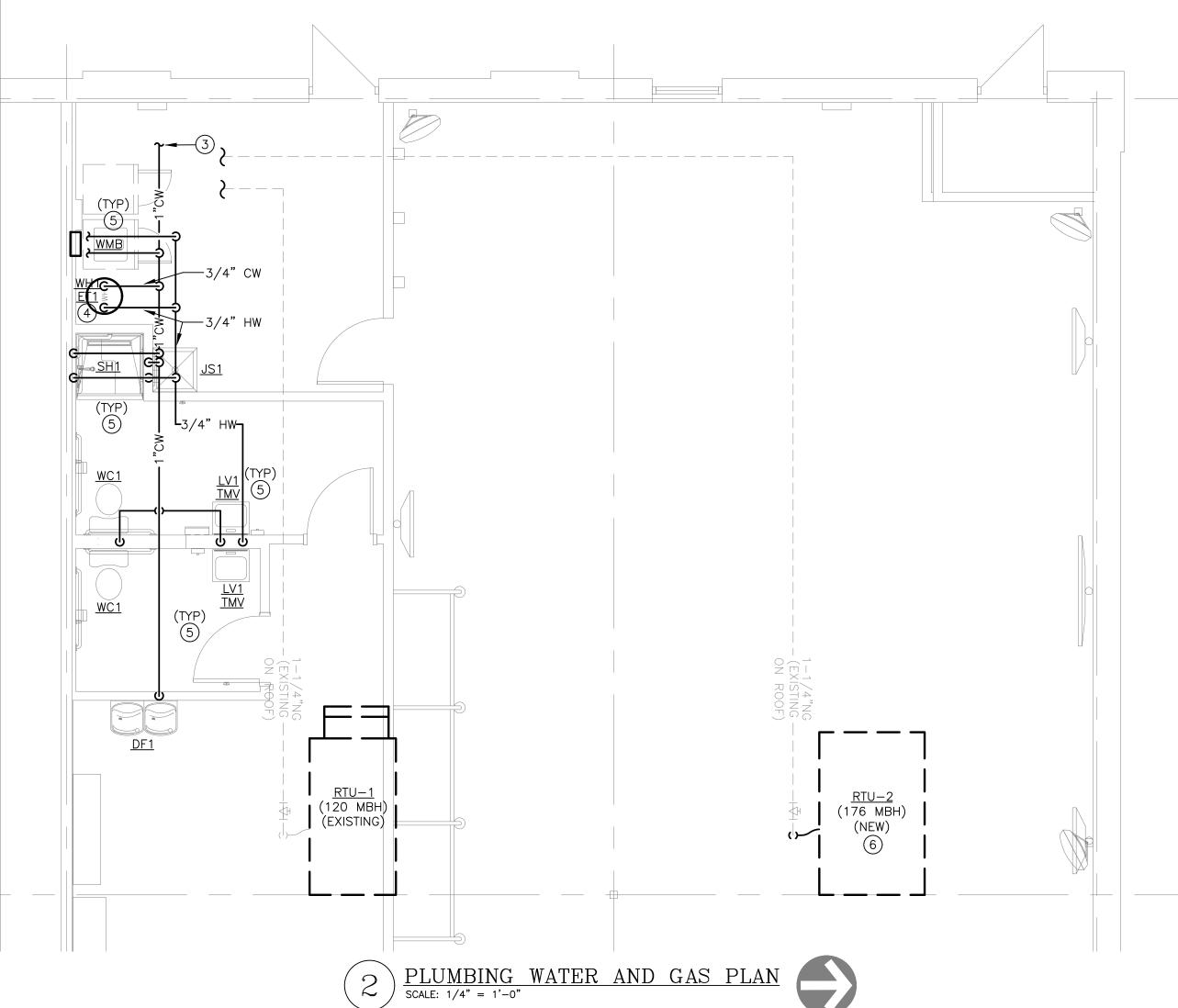
UR URINAL

VENT WC WATER CLOSET

WATER HEATER

WCO WALL CLEANOUT WPD WATER PRESSURE DROP





— PLUMBING PLAN NOTES:

- 1. EXTEND NEW 4" SANITARY SEWER TO EXISTING BUILDING SANITARY SEWER. FIELD VERIFY EXACT LOCATION AND FLOW DIRECTION PRIOR TO START OF WORK.
- 2. PROVIDE NEW 4" VENT THROUGH ROOF (VTR) WHERE SHOWN. MAINTAIN A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKE OR BUILDING OPENING. RE-USE EXISTING VENT IF POSSIBLE.
- 3. EXTEND NEW 1" DOMESTIC WATER LINE FROM EXISTING BUILDING WATER SUPPLY TO SERVE REMODEL. PROVIDE ISOLATION BALL VALVE AT CONNECTION TO BUILDING MAIN. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK.
- 4. LOCATE WATER HEATER ABOVE JANITOR'S SINK ON SHELF. CONNECT WATER PIPING AND EXPANSION TANK TO WATER HEATER SYSTEM PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO DETAIL ON SHEET P2.0 FOR ADDITIONAL INFORMATION.
- 5. EXTEND COLD WATER AND HOT WATER TO PLUMBING FIXTURES INDICATED. MAKE FINAL CONNECTIONS PER PLUMBING FIXTURE CONNECTION SCHEDULE.
- 6. RE-CONNECT NATURAL GAS TO NEW ROOFTOP UNIT AS SHOWN. PROVIDE DIRT LEG AND GAS COCK AT ROOFTOP UNIT CONNECTION. REFER TO ROOFTOP UNIT INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH HVAC CONTRACTOR.

RELEASED FOR CONSTRUCTION As Noted on Plans Review

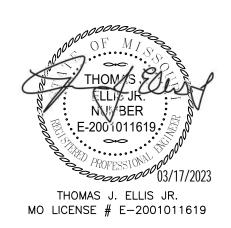
Date:

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1. 3.17.23 CITY REVIEW

03/08/23

REVISIONS No. Date Description



PROJECT TEAM

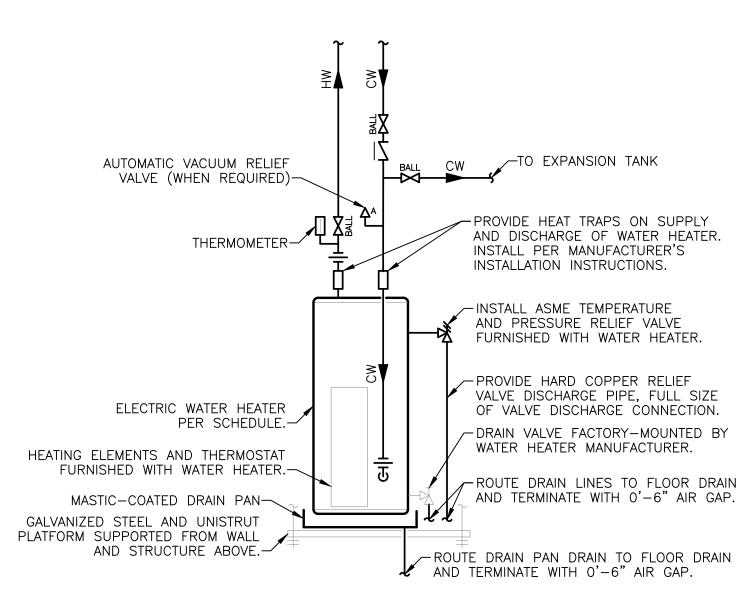
ARCHITECT 5BY5 ENGINEERS MECHANICAL

5BY5 ENGINEERS ELECTRICAL 5BY5 ENGINEERS

CONTRACTOR HAWTHORN PROJECTS

MOMENTUM ARCHITECTURE+DESIGN

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NOTES:

 STRUCTURE AND PLATFORM SHALL BE DESIGNED TO HOLD THE MAXIMUM WEIGHT OF THE WATER HEATER. CONFIRM CAPACITY OF SHELF WITH MANUFACTURER PRIOR TO INSTALLATION.

WATER HEATER DETAIL

FIXTU	RE CONNEC	TION SCHE	DULE		
FIXTURE	WASTE	VENT	COLD	НОТ	NOTES
CLOTHES WASHER (RESIDENTIAL)	2"	2"	1/2"	1/2"	VB
DRINKING FOUNTAIN	2"	1-1/2"	1/2"		
FLOOR DRAIN	2"	2"			
JANITOR'S SINK	2"	1-1/2"	1/2"	1/2"	VB
LAVATORY - PUBLIC	2"	1-1/2"	1/2"	1/2"	TMV
SHOWER	2"	1-1/2"	1/2"	1/2"	TMVS
WATER CLOSET (TANK TYPE)	4"	2"	1/2"		

QUIPMENT TAG	QTY	DESCRIPTION	CFH INPUT (EACH)	TOTAL CFH
RTU-1	1	ROOFTOP UNIT	90	90
RTU-2	1	ROOFTOP UNIT	176	176

SYSTEM TOTAL = 266

NATURAL GAS LOAD SCHEDULE

A. METER DISCHARGE PRESSURE: 11 IN.WG. B. TOTAL DEVELOPED LENGTH: 350 FT.

C. DESIGN NATURAL GAS PIPING SYSTEM PRESSURE DROP: 0.5 IN.WG

D. INLET PRESSURE FOR ALL GAS-FIRED EQUIPMENT: 7 TO 11 IN.WG.

VB: ATMOSPHERIC TYPE VACUUM BREAKER CONFORMING TO ASSE 1020. INSTALL BACKFLOW PREVENTION DEVICES ON EQUIPMENT AND FIXTURES PER LOCAL WATER COMPANY REQUIREMENTS. ALL BACKFLOW PREVENTERS SHALL BE IN AN ACCESSIBLE LOCATION FOR PERIODIC INSPECTION AND TESTING.

RP: REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY, LINE SIZED, CONFORMING TO ASSE 1013.

	MaD Fitness Group			12/08/2022 Update			
	F45 Spec Book		VE all specific	ations with owner appr	oval		
	All changes/substitutions to	be approve	d by owner				
Division	<u>Item</u>		Location	<u>MFG</u>	<u>Model</u>	<u>Other</u>	Color/Misc
lumbing	Water Fountain	Standard	Hallway-per plan	Elkay	EXSTL8WS	With Bottle Filler	SS
lumbing	Water Fountain	Alternate	Hallway-per plan	Halsey Taylor	НТНВ-НА	CG8BLSS	SS
lumbing	Sink Wall	Standard	Bathroom	American Standard	Lucerne 0356.041	20 x 18	White
lumbing	Sink Wall	Alternate	Bathroom	Gerber	Monticello II	20 x 18	White
lumbing	Toilet	Standard	Bathroom	Gerber	Pressure assist H/C	Ultra Flush 20-318	White
lumbing	Faucet-Sink	Standard	Bathroom	Moen	8554	Battery powered	Chrome
lumbing	Faucet-Sink	Alternate	Bathroom	American Standard	605B.204/PK00.PAC	Innsbrook Selectronic	SS
lumbing	Shower Hand Held	Standard	Bathroom	Luxart Classico II	LC2SYS60-CP		SS
lumbing	Shower Valve	Standard	Bathroom	Olympia	Temp/Pressure Balanced		SS
lumbing	Mop Floor Sink and Faucet	Standard	Utility	Fiat MSB2424 and 830 AA Faucet		Or equal floor mounted	White
lumbing	Mop Rack	Standard	Utility	Bobrick B-223 Mop holder			SS
lumbing	Water Heater	Standard	Utility- floor/or hung	State 50-Gallon	PCE-50-20LS	50 Gallon	
lumbing	Water Heater	Alternate	Utility- floor/or hung	A O Smith 50-Gallon	DEL 50	50 Gallon	
lumbing	Trench Drain	Standard	Shower	Tru-Line	304 SS with S Style grate	SS	Length by location
lumbing	Trench Drain	Alternate	Shower	Zurn	ZS880	SS	Length by location
lumbing	Washer Box	Standard	Utility	Oatey	Center drain outlet box	38934	White

AG: AIR GAP FITTING AS PROVIDED BY MANUFACTURER.

DCV: DOUBLE CHECK VALVE ASSEMBLY, LINE SIZED, CONFORMING TO ASSE 1015.

TMV: POINT OF USE TYPE THERMOSTATIC MIXING VALVE CONFORMING TO ASSE 1070.

DCVB: DOUBLE CHECK VALVE ASSEMBLY, LINE SIZED, CONFORMING TO ASSE 1022.

TMVS: SCALD PROTECTION SHOWER/TUB VALVE, CONFORMING TO ASSE 1016.

SECURE PIPE HANGER TO

STRUCTURE (TYP) -

THREADED STEEL ROD

BOTH SIDES (TYP). -

WITH NUT AND WASHER

CLEVIS HANGER, SHOWN

HANGER FOR COLD PIPE

INSULATION THICKNESS.

DO NOT PENETRATE

OUTSIDE DIAMETER PLUS

INSULATION WITH HANGER. -

PROVIDE A SECTION OF

OR STYROFOAM BILLETS

INSULATION SHIELD FOR

DENSITY INSULATION OR

MAINTAIN VAPOR BARRIER -

LAPPING INSULATION

STYROFOAM BILLETS.

JACKET OVER HIGH

AT EACH HANGER OF

COLD INSULATED PIPE. -

PROVIDE SHORT

COLD PIPE

REFER TO SPECIFICATIONS FOR INSULATION TYPES,

CONNECTIONS TO SRUCTURE AND HANGER SPACING.

INSULATION THICKNESSES, HANGER TYPES, HANGER ROD

NSULATED PIPE HANGER DETAIL

HIGH DENSITY INSULATION

FOR CLARITY. SIZE

PLUMBING FIXTURE SCHEDULE:

INFORMATION BELOW IS FOR GENERAL FIXTURE REQUIREMENTS ONLY. PLUMBING CONTRACTOR SHALL COORDINATE WITH OWNER AND ARCHITECT FOR EXACT FIXTURE REQUIRED FOR THE PROJECT. COORDINATE WITH OWNER FOR INFORMATION ON PROCURING FIXTURES AND ASSOCIATED COSTS. CONTRACTOR SHALL BE CLEAR AS TO WHAT FIXTURES ARE INCLUDED IN THEIR PROPOSED COSTS.

FIXTURES IN THIS SCHEDULE, OR THE APPROVED EQUIVALENT, SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR FURTHER REQUIREMENTS.

REFER TO TENANT SPEC BOOK SCHEDULE ON THIS SHEET FOR BASIS OF DESIGN FIXTURES AND EQUIPMENT. CONTRACTOR SHALL GET PRE-APPROVAL FROM TENANT PRIOR TO OFFERING SUBSTITUTIONS.

- CLEVIS HANGER,

HANGER FOR HOT

CUT INSULATION TO

FIT AROUND

EXPOSED

HOT PIPE

HANGER. SEAL

INSULATION ENDS

WITH JOINT SEALANT

SHOWN FOR

CLARITY, SIZE

PIPE OUTSIDE

DIAMETER.

- ELECTRIC WATER COOLER WITH BOTTLE FILLER (ADA ACCESSIBLE): WALL-MOUNTED, BARRIER-FREE, DUAL-LEVEL, FRONT AND SIDE PUSH ACTUATOR BARS, STAINLESS STEEL BOWL, FLEXIBLE POLYESTER ELASTOMER SAFETY BUBBLER AND GALVANIZED STEEL FRONT AND SIDES, BOTTLE FILLING STATION, CHILLER WITH 8.0 GALLONS PER HOUR CAPACITY AT 50°F DRINKING WATER, 80°F INLET WATER, AND 90°F ROOM TEMPERATURE. UNIT SHALL BE LEAD FREE DESIGN AND MEET FEDERAL AND STATE LOW-LEAD
- REQUIREMENTS. TRIM: QUARTER-TURN BALL TYPE ANGLE STOP VALVE WITH RISER AND ESCUTCHEON, 1-1/4" 17-GAUGE TUBULAR CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT
- PLUG AND ESCUTCHEON. ACCEPTABLE MANUFACTURERS: ELKAY 'EXSTL8WS' OR EQUAL
- HALSEY TAYLOR 'HTHB-HA-CG8BLSS'. • ELECTRICAL REQUIREMENTS: 120V/1ø, 6.0 FLA.

• EXPANSION TANK: 150 PSIG MAXIMUM WORKING PRESSURE, 4.5-GALLON CAPACITY, 0.45 MAXIMUM ACCEPTANCE FACTOR, AND 3/4" PIPE CONNECTION. SET THE AIR CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.

 FLOOR CLEANOUT: CAST IRON BODY, FLASHING FLANGE WITH CLAMPING COLLAR, ABS PLUG, AND ADJUSTABLE, ROUND, SECURED, HEAVY DUTY SCORIATED NICKEL BRONZE TOP. INSTALL PER MANUFACTURER'S REQUIREMENTS BASED ON FLOORING TYPE USED. PROVIDE ACCESSORIES AS REQUIRED FOR PROPER INSTALLATION. COORDINATE FINISH TYPE WITH ARCHITECTURAL PLANS.

• FLOOR DRAIN: BODY MATERIAL TO MATCH CONNECTED PIPING, WITH FLANGE, INTEGRAL REVERSIBLE CLAMPING COLLAR, SEEPAGE OPENINGS, AND 6" NICKEL BRONZE STRAINER WITH VANDAL-PROOF SCREWS. PROVIDE P-TRAP AND WASTE ARM SIZED AS INDICATED ON PLAN.

ACCESSORIES: PROVIDE TRAP GUARD.

- WALL-MOUNTED LAVATORY (ADA ACCESSIBLE): RECTANGULAR WALL MOUNTED WHITE VITREOUS CHINA FIXTURE WITH FAUCET LEDGE AND FRONT OVERFLOW
- FAUCET: FAUCET WITH 4" CENTERSET, VANDAL—RESISTANT, WITH LEVER HANDLES AND 0.5 GPM AERATOR.
- FAUCET ACCEPTABLE MANUFACTURER: MOEN #8554 OR AMERICAN STANDARD #605B.204/PK00.PAC
- TRIM: GRID DRAIN WITH TAILPIECE, QUARTER-TURN BALL TYPE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS. 1-1/4" 17-GAUGE TUBULAR CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR, AND
- INSULATION KIT FOR WATER AND WASTE PIPES. ACCEPTABLE MANUFACTURERS: AMERICAN STANDARD LUCERNE '0356.041' OR GERBER 'MONTICELLO II'.
- SHOWER, HAND HELD NOZZLE LUXART CLASSICO II 'LC2SYS60-CP', AND OLYMPIA TEMP/PRESSURE BALANCED VALVE.

 THERMOSTATIC MIXING VALVE: SOLID BRASS BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 2.2 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.5 GPM. MAXIMUM TEMPERATURE STOP SET FOR 110 DEGREES. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLANS.

- FLOOR-MOUNTED WATER CLOSET (ADA ACCESSIBLE): TANK TYPE WHITE VITREOUS CHINA FIXTURE WITH ELONGATED BOWL, 1.6 GALLON PER FLUSH, SIPHON FLUSH ACTION, AND CLOSE-COUPLED
- TANK WITH TRIP LEVER ON THE WIDE SIDE OF THE STALL. • TRIM: WHITE OPEN-FRONT CONTOURED, SOLID PLASTIC, HEAVY-DUTY. SEAT-LESS-COVER WITH SELF-SUSTAINING HINGES AND STAINLESS STEEL BOLTS; QUARTER-TURN BALL TYPE ANGLE
- STOP VALVE WITH RISER AND CHROME-PLATED ESCUTCHEON. • ACCEPTABLE MANUFACTURER: GERBER PRESSURE ASSIST H/C 'ULTRA-FLUSH 20-318'.

 WALL CLEANOUT: CAST IRON CLEANOUT TEE, COUNTER-SUNK CAST IRON PLUG WITH GASKET SEAL, AND STAINLESS STEEL ROUND COVER WITH SCREW.

- WATER HEATER: ELECTRIC, 50 GALLON, 4.5 kW INPUT, 18 GALLON PER HOUR RECOVERY AT 100°F TEMPERATURE RISE AND 140°F OPERATING TEMPERATURE. PROVIDE WITH DUAL-ELEMENT, NON-SIMULTANEOUS HEATING ELEMENTS. PROVIDE ALL WATER CONNECTIONS, VALVES, AND SPECIALS PER MANUFACTURER'S
- INSTALLATION REQUIREMENTS. • ELECTRICAL REQUIREMENTS: 208V/1ø, 21.6 FLA.
- BASIS OF DESIGN: A.O. SMITH MODEL # DEL-50.
- WASHING MACHINE BOX: STEEL BOX, STEEL FACEPLATE, TOP INLET WATER SUPPLIES WITH QUARTER TURN BALL VALVES AND 2" BOTTOM OUTLET DRAIN.
- TRIM: 24" LONG TAILPIECE AND 2" DIAMETER P-TRAP. BASIS OF DESIGN: OATEY CENTER DRAIN #38934

PLUMBING GENERAL NOTES:

- DRAWINGS (WHEN AVAILABLE). CONTRACTOR SHALL PRIOR TO BID OR START OF WORK.
- PRIOR TO START OF WORK, CONTRACTOR SHALL CAMERA ALL EXISTING UNDERGROUND SANITARY SEWER LINES. VERIFY UNDERGROUND PIPING LOCATION, DEPTH AND FLOW DIRECTION. REPORT ANY PIPING DAMAGE OR
- EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO ANY INSTALLATION OF CONNECTIONS THEREOF. ALL CONNECTIONS TO EXISTING UTILITIES (E.G. DOMESTIC WATER, SEWER, VENT, AND NATURAL GAS) SHALL BE MADE WITH APPROVAL OF THE ADMINISTRATIVE AUTHORITY AND THE RESPECTIVE
- SANITARY WASTE, VENT, AND STORM PIPING ABOVE GRADE SHALL BE NO-HUB CAST IRON IN RETURN AIR PLENUM APPLICATIONS. PVC OR ABS PIPING CAN BE USED IN AREAS OTHER THAN RETURN AIR PLENUMS AS ALLOWED BY CODE.
- SLOPE SANITARY PIPING AS FOLLOWS: 1/4" PER FOOT FOR PIPE SIZES 2-1/2" AND SMALLER, AND 1/8" PER
- COORDINATE CONDENSATE DRAIN REQUIREMENTS WITH THE
- PROVIDE WATER SUPPLY SHUT-OFF VALVES ON EACH TOILET ROOM GROUP AND TO MISCELLANEOUS EQUIPMENT.
- PROVIDE SIZE "A" WATER HAMMER ARRESTORS ON SUPPLY TO ALL PLUMBING FIXTURES.
- PROVIDE STOP VALVES ON ALL INDIVIDUAL PLUMBING FIXTURE SUPPLIES.
- COORDINATE SELECTION OF ALL PLUMBING FIXTURES WITH ARCHITECT AND OWNER. ALL HANDICAPPED FIXTURES (WHERE REQUIRED) SHALL COMPLY WITH A.D.A.
- DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE I
- INSULATE NEW DOMESTIC COLD WATER, HOT WATER, HOT WATER RECIRCULATION, INTERIOR CONDENSATE DRAIN, AND STORM PIPING WITH MINIMUM 1" FIBERGLASS INSULATION
- ALL NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE FITTINGS. SUPPORT PIPING AT INTERVALS NOT TO EXCEED THOSE LISTED IN TABLE 415.1 OF THE INTERNATIONAL FUEL GAS CODE.
- PROIVDE RUST-INHIBITOR PAINT ON ALL NATURAL GAS PIPING LOCATED EXTERIOR TO THE BUILDING.
- PROVIDE A.G.A. APPROVED GAS COCKS AND DIRT LEGS AT CONNECTIONS TO ALL GAS-FIRED EQUIPMENT.
- INSTALL ALL PLUMBING EQUIPMENT, FIXTURES, VALVES. PROVIDE ADDITIONAL APPURTENANCES PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- INSTALL CLEANOUTS AT EVERY END OF SANITARY PIPING RUNS. AT MINIMUM OF EVERY 100'-0" OF SANITARY PIPING, AND AT EVERY CHANGE IN DIRECTION GREATER THAN 45°. REFER TO SECTION 708 OF THE INTERNATIONAL PLUMBING CODE FOR ADDITIONAL REQUIREMENTS.
- PLUMBING CONTRACTOR SHALL INSPECT ALL PLUMBING EQUIPMENT TO REMAIN. REPORT ANY DEFICIENCIES TO OWNER PRIOR TO START OF WORK.
- CONTRACTOR SHALL LABEL ALL PIPING, VALVES AND EQUIPMENT WITH MANUFACTURER STANDARD LABELING SYSTEMS. COORDINATE WITH OWNER FOR FINAL EQUIPMENT DESIGNATIONS.
- WHERE ALLOWED BY CODE, CROSS-LINKED POLYETHYLENE (PEX) PIPING MAY BE USED IN LIEU OF COPPER PIPING. ADJUST SIZING OF PIPING FOR REDUCED FREE AREA OF PEX PIPING. ALL PEX PIPE ROUTED IN RETURN AIR PLENUMS MUST MEET THE FLAME SPREAD RATING AND SMOKE DEVELOPED RATING FOR SUCH APPLICATIONS.

 DRAWINGS ARE SCHEMATIC IN NATURE AND BASED ON PRELIMINARY SITE OBSERVATION AND ORIGINAL DESIGN INVESTIGATE THE PROJECT SITE AND BECOME FULLY AWARE OF ALL FIELD CONDITIONS, CURRENT SYSTEM OPERATION, AS WELL AS COORDINATION REQUIREMENTS. COORDINATE ALL PLUMBING WORK WITH ARCHITECTURAL DRAWINGS, EXISTING CONDITIONS, AND OTHER TRADES

 PLUMBING WORK SHALL CONFORM TO APPLICABLE CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

- LOCATION DISCREPANCIES TO ENGINEER AND/OR OWNER PRIOR TO START OF WORK.
- UTILITY COMPANIES.
- SANITARY WASTE, VENT, AND STORM PIPING BELOW GRADE SHALL BE SCHEDULE 40 PVC WITH SOLVENT-WELDED
- FOOT FOR PIPE SIZES 3" AND LARGER.
- HVAC CONTRACTOR AND OTHER TRADES.

- REQUIREMENTS.
- COPPER WITH WROUGHT FITTINGS AND SOLDERED JOINTS.
- (MINIMUM R-4.0) WITH PAPER COVERING.

- ETC. PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- ALL FLOOR DRAINS SHALL HAVE A 2" THROAT AND P-TRAP UNLESS NOTED OTHERWISE.

As Noted on Plans Review Stı 64

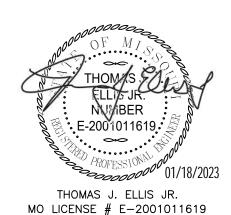
RELEASED FOR CONSTRUCTION

Date: 12/30/22

REVISIONS

Issued STEP 1 FOR For: REVIEW

No. Date Description



PROJECT TEAM

MOMENTUM ARCHITECTURE+DESIGN ARCHITECT

5BY5 ENGINEERS

5BY5 ENGINEERS

MECHANICAL

ELECTRICAL 5BY5 ENGINEERS

----- NEW

----- EXISTING OR BY OTHERS

---- DEMOLITION

<u>LIGHTING LEGEND:</u>

• CEILING MOUNTED LIGHT FIXTURE, 2'x2' OR 2'x4'

• CEILING MOUNTED LIGHT FIXTURE, 2'x2' OR 2'x4' (NIGHT LIGHT OR EMERGENCY CIRCUIT) STRIP LIGHT FIXTURE. REFER TO FIXTURE SCHEDULE FOR LENGTH.

WALL-MOUNT SCONCE OR WALL BRACKET LIGHT

FIXTURE. RECESSED WALL WASH CAN LIGHT FIXTURE.

RECESSED, SURFACE, OR STEM HUNG LIGHT

SINGLE FACE EXIT LIGHT FIXTURE, WALL OR CEILING MOUNT, WITH FIELD CONFIGURABLE ARROWS. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS. SHADED AREA INDICATES EXIT LIGHT FACE.

DOUBLE FACE EXIT LIGHT FIXTURE, WALL OR CEILING MOUNT, WITH FIELD CONFIGURABLE ARROWS. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS. SHADED AREA INDICATES EXIT LIGHT FACE.

COMBINATION SINGLE FACE EXIT/EMERGENCY LIGHT FIXTURE, WALL OR CEILING MOUNT, WITH FIELD CONFIGURABLE ARROWS. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS. SHADED AREA INDICATES EXIT LIGHT

NOTE: REFER TO LIGHT FIXTURE SCHEDULE AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND MOUNTING HEIGHTS.

POWER LEGEND:

INDICATES ABOVE COUNTER (TYP)

DUPLEX RECEPTACLE MOUNTED AT +18"AFF TO ← ← CENTER OF RECEPTACLE (UNO). ABOVE COUNTER RECEPTACLES SHALL BE +48"AFF (UNO).

DUPLEX ISOLATED GROUND RECEPTACLE MOUNTED AT ← ← +18"AFF TO CENTER OF RECEPTACLE (UNO). ABOVE COUNTER RECEPTACLES SHALL BE +48"AFF (UNO).

DUPLEX RECEPTACLE ON STAND-BY GENERATOR POWER, MOUNTED AT +18"AFF TO CENTER OF RECEPTACLE (UNO). RECEPTACLES SHOWN ABOVE

COUNTER SHALL BE +48"AFF (UNO).

FLOOR-MOUNTED DUPLEX OR FOURPLEX RECEPTACLE MOUNTED IN PVC FLOORBOX, OR POKE-THRU

SPECIAL RECEPTACLE, NUMBER REFERS TO "NEMA" CONFIGURATION. MOUNT AT +18"AFF TO CENTER OF RECEPTACLE (UNO).

FOURPLEX RECEPTACLE MOUNTED AT +18"AFF TO CENTER OF RECEPTACLE (UNO). RECEPTACLES SHOWN TO BE ABOVE COUNTER SHALL BE +48"AFF

FLUSH MOUNT COMBINATION POWER AND VOICE/DATA FLOORBOX.

SINGLE POLE WALL MOUNT TOGGLE SWITCH. MOUNT AT +48"AFF TO CENTER OF SWITCH.

WALL MOUNTED OCCUPANCY SENSOR SWITCH. MOUNT AT +48"AFF TO CENTER OF SWITCH.

WALL MOUNTED OCCUPANCY SENSOR SWITCH WITH 0-10V DIMMING CONTROL. MOUNT AT +48"AFF TO CENTER OF SWITCH.

WALL MOUNTED LOW VOLTAGE SWITCH WITH 0-10V DIMMING CONTROL. MOUNT AT +48"AFF TO CENTER OF SWITCH.

(S) CEILING MOUNTED OCCUPANCY SENSOR.

DRC1 ROOM CONTROLLER/POWER PACK FOR LIGHT FIXTURE CONTROL. DEVICE SHALL BE CONCEALED IN CEILING.

VOICE OPENING. PROVIDE RING WITH STRING TO ABOVE CEILING. DEVICES SHOWN TO BE COUNTER SHALL BE +48"AFF (UNO).

DATA OPENING. PROVIDE RING WITH STRING TO ABOVE CEILING. DEVICES SHOWN TO BE COUNTER SHALL BE +48"AFF (UNO).

COMBINATION VOICE/DATA OPENING. PROVIDE RING WITH STRING TO ABOVE CEILING. DEVICES SHOWN TO BE COUNTER SHALL BE +48"AFF (UNO).

FLUSH FLOOR MOUNT VOICE/DATA OUTLET MOUNTED IN PVC FLOORBOX.

DISCONNECT SWITCH, STARTER, & COMBINATION STARTER/DISCONNECT SWITCH. SIZE AS INDICATED ON

[] ELECTRICAL PANEL BOARD, FLUSH OR SURFACE MOUNT

J JUNCTION BOX

NOTE: LINE THROUGH DEVICE INDICATES TO BE MOUNTED ABOVE COUNTERTOP OR CABINET. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS IF NOT INDICATED ON POWER PLAN.

REFER TO LIGHTING CONTROL DEVICE SCHEDULE AND ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.

WIRING LEGEND:

HOMERUN TO PANELBOARD WITH NUMBER AND SIZE OF CONDUCTORS INDICATED ON PLANS. WHEN NO WIRING TICK MARKS ARE SHOWN, CONTRACTOR SHALL ASSUME MINIMUM OF (3) #12 CONDUCTORS. — C GROUNDED CONDUCTOR.

CONDUIT OR CIRCUIT BREAK/CONTINUATION.

CONDUIT WITH ENDCAP FOR FUTURE USE.

GROUNDING SOURCE.

FIRE ALARM LEGEND:

SMOKE DETECTOR / HEAT DETECTOR COMBINATION AUDIO/VISUAL DEVICE, +80"AFF

VISUAL DEVICE, +80"AFF PULL STATION, +48"AFF

FIRE/SMOKE DAMPER

SPRINKLER FLOW AND TAMPER SWITCH

SUPPLY DUCT/PLENUM MOUNT SMOKE DETECTOR

RETURN DUCT/PLENUM MOUNT SMOKE DETECTOR FIRE ALARM CONTROL PANEL

FIRE ALARM ANNUNCIATOR PANEL

FIRE ALARM DOOR HOLD

FIRE ALARM DOOR RELEASE FIRE SPRINKLER FLOW/TAMPER SUPVERVISORY PANEL. PROVIDE (2) DEDICATED PHONE LINES AS

ABBREVIATIONS LEGEND:

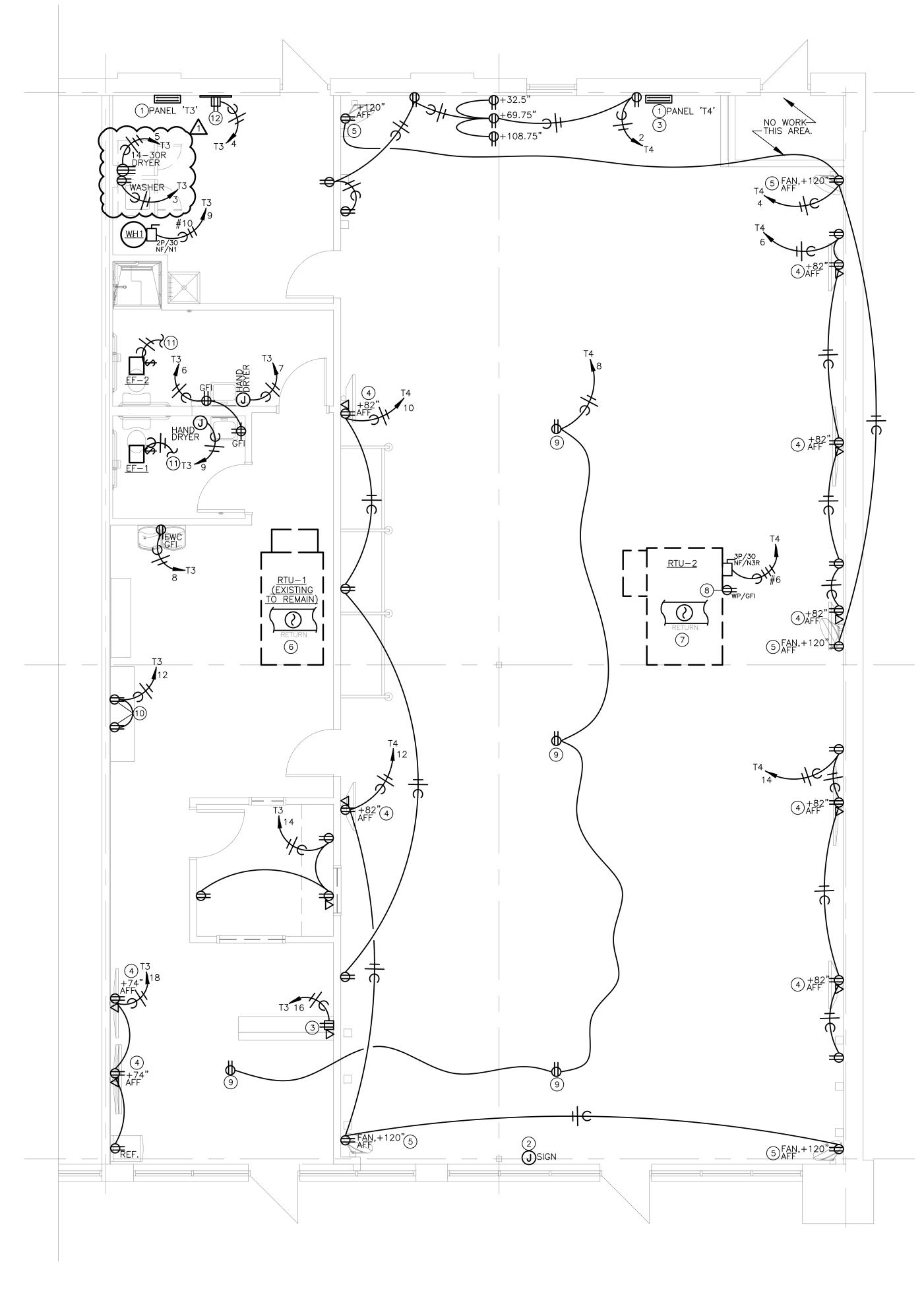
ABOVE FINISHED FLOOR EXISTING TO BE DEMOLISHED

EMERGENCY EXISTING TO BE REPLACED

EXISTING TO REMAIN GROUND FAULT CURRENT INTERRUPTER

NIGHT LIGHT TR TAMPER RESISTANT

UNO UNLESS NOTED OTHERWISE WP WEATHER PROTECTED COVER / GFCI



ELECTRICAL POWER PLAN



ELECTRICAL GENERAL NOTES

REFERENCE SHEET E3.0 FOR ELECTRICAL GENERAL

ELECTRICAL POWER PLAN NOTES:

1. EXISTING 200A 120/208V BRANCH PANEL SHALL REEMAIN AND RE-USED IN NEW CONSTRUCTION.

2. EXISTING JUNCTION BOX IN CANOPY FOR STORE SIGNAGE. CONFIRM ACTUAL SIGN LOCATION IN FIELD. MAINTAIN CIRCUITING AND TIMECLOCK ABOVE PANEL

3. COORDINATE RECEPTACLE AND DATA OUTLET LOCATION WITH CASEWORK INSTALLER AND SHOP-DRAWINGS.

4. COORDINATE T.V. RECEPTACLE AND DATA STUB HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.

5. COORDINATE FAN RECEPTACLE HEIGHT AND LOCATION

6. DUCT SMOKE DETECTOR ON EXISTING RTU TO REMAIN. RELOCATE 'TEST/RESET' BUTTON INTO OFFICE IN ACCESSIBLE LOCATION.

WITH OWNER PRIOR TO ROUGH-IN.

7. DUCT SMOKE DETECTOR ON NEW RTU. INSTALL 'TEST/RESET' BUTTON IN OFFICE IN ACCESSIBLE LOCATION.

8. CONNECT 120V CIRCUIT TO WP/GFI RECEPTACLED PROVIDED WITH RTU.

9. RECEPTACLE AT STRUCTURE FOR CAMERA. FINAL

LOCATION TO BE DETERMINED IN FIELD. 10. (2) RECEPTACLES MOUNTED AT 6'-6" WITH EACH LOCATED 12" OFF OF THE CENTERLINE OF THE

LOCKER/CUBBIE CABINET.

11. CONNECT EXHAUST FAN TO SWITCHED RESTROOM LIGHTING CIRCUIT. VERIFY OCC. SENSOR SWITCH IS CAPABLE OF CONTROLLING EXHAUST FAN.

12. NEW QUAD RECEPTACLE AND 2'X4'X3/4" SHEET OF PLYWOOD FOR TELCO BACKBOARD. CONFIRM LOCATION WITH TENANT.

CONSTRUCTION As Noted on Plans Review

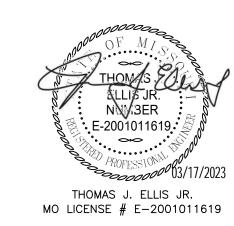
Date: 03/08/23

For:

For Permit

REVISIONS No. Date Description

1. 3.17.23 CITY REVIEW



PROJECT TEAM

MOMENTUM ARCHITECTURE+DESIGN

ARCHITECT

MECHANICAL 5BY5 ENGINEERS 5BY5 ENGINEERS

5BY5 ENGINEERS

LIGHT FIXTURE SCHEDULE												
TYPE	MANUFACTURER	MODEL	LIGHT SOURCE	WATTS	VOLTAGE	COLOR TEMP	DIMMABLE	FINISH	DESCRIPTION	NOTES		
А	IWARFIIGHT	BEAMLED8-DID-130W-3CT- DMV-WH	INTEGRAL LED	130	UNV	3500	0/10V	WHITE	8' DIRECT/INDIRECT LINEAR PENDANT HUNG FROM STRUCTURE. CONFIRM MOUNTING HEIGHT WITH TENANT.	1-4		
В	IWARFIIGHT	BEAMLED4-DID-65W-3CT- DMV-WH	INTEGRAL LED	65	UNV	3500	0/10V	WHITE	4' DIRECT/INDIRECT LINEAR PENDANT HUNG FROM STRUCTURE. CONFIRM MOUNTING HEIGHT WITH TENANT.	1-4		
С	LOTUS LED LIGHTING	LD4R-D5K-HO-4R-4R-BR-WT	INTEGRAL LED	18	UNV	3500	0/10V	WHITE	4.5" WET LOCATION APPROVED CAN LIGHT FIXTURE.	1-4		
EM	LITHONIA QUANTUM SERIES	ELM2 LED	INTEGRAL LED	2.2	UNV	NA	NA	WHITE	EMERGENCY WALL MOUNTED FIXTURE. FIXTURE SHALL BE PROVIDED WITH INTEGRAL EMERGENCY 90 MINUTE BATTERY PACK.	1-4		
X1	LITHONIA QUANTUM SERIES	LQM-R LED	INTEGRAL LED	3	UNV	NA	NA	WHITE	SINGLE FACE LED EXIT LIGHT FIXTURE WITH BATTERY PACK, RED LETTERS AND FIELD CONFIGURED ARROWS.	1-4		
X1EM	LITHONIA QUANTUM SERIES	LHQM'R LED	INTEGRAL LED	3.8	UNV	NA	NA	WHITE	COMBINATION EMERGENCY EGRESS /SINGLE FACE LED EXIT LIGHT FIXTURE WITH BATTERY PACK, RED LETTERS AND FIELD CONFIGURED ARROWS.	1-4		
X1EMR	LITHONIA QUANTUM SERIES	LHQM-R-HO-RO LED WITH WLA-T-Q REMOTE HEAD	INTEGRAL LED	3.8	UNV	NA	NA	WHITE	COMBINATION EMERGENCY EGRESS /SINGLE FACE LED EXIT LIGHT FIXTURE WITH HIGH OUTPUT BATTERY PACK FOR REMOTE HEADS, RED LETTERS AND FIELD CONFIGURED ARROWS.	1-4		

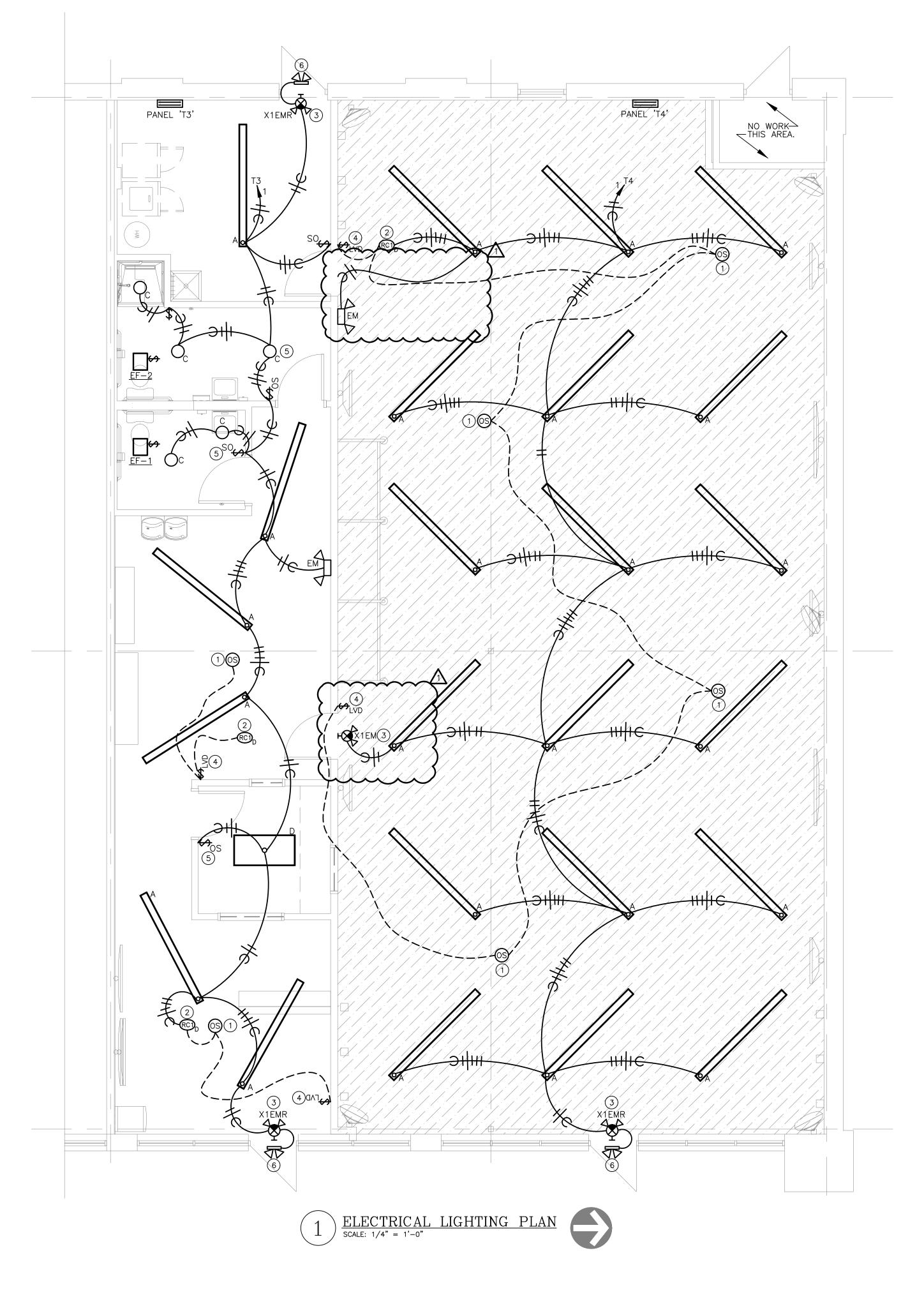
- 1. COORDINATE ALL LIGHT FIXTURE SELECTIONS AND/OR SUBSTITUTIONS WITH ARCHITECT, OWNER AND/OR ENGINEER PRIOR TO ORDER.
- 2. PROVIDE LIGHTING CONTROLS THAT ARE COMPATIBLE WITH FIXTURES PROVIDED.
- 3. COORDINATE WITH ARCHITECT, OWNER AND/OR ENGINEER FOR DIMMING REQUIREMENTS PRIOR TO INSTALLATION.
- 4. PROVIDE ALL COMPONENTS AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION.

		LIGHTING CONTRO	DL DEVICE SCHEDU	JLE					
TAG	MANUFACTURER AND MODEL SERIES		COVERAGE AREA (WxD OR RADIUS Ø)	VOLTAGE	MODE SETTINGS	DIMMING	TIME DELAY	DEVICE FINISH COLOR	SENSOR NOTES
WALL SWITCH	OCCUPANCY SENS	ORS		•		•		•	
S OS	WATTSTOPPER PW-301	SINGLE-RELAY PASSIVE INFRARED OCCUPANCY SENSOR WALL SWITCH WITH MANUAL OVERRIDE BUTTON.	MAJOR 30' x 35' MINOR 15' x 20'	120/277V	MANUAL ON AUTO OFF	N/A	15 MIN	WHITE	1
S OS2	WATTSTOPPER DW-100	SINGLE-RELAY DUAL TECHNOLOGY PASSIVE INFRARED OCCUPANCY SENSOR WALL SWITCH WITH MANUAL OVERRIDE BUTTON.	MAJOR 30' x 35' MINOR 15' x 20'	120/277V	MANUAL ON AUTO OFF	N/A	15 MIN	WHITE	1
CEILING MOL	INTED DAYLIGHT / O	CCUPANCY SENSORS						-	
OS	WATTSTOPPER LMDC-100	CEILING MOUNT ULTRASONIC DIGITAL OCCUPANCY SENSOR. 360 DEGREE COVERAGE. PLUG-AND-PLAY CONFIGURATION, (2) RJ45 PORTS, LCD DISPLAY, IR RECEIVER, CONFIGURATION BUTTONS.	ULT MAJOR 25' X 25' PIR 32' Ø	24V	-	-	-	WHITE	2
POWER SUPP	LIES/ROOM CONTRO	OLLERS							
RC1-D	WATTSTOPPER LMRC-211	DIGITAL SINGLE-RELAY ON/OFF/DIMMING ROOM CONTROLLER. 0-10V DIMMING. MAXIMUM 20A TOTAL LOAD RATING. PLUG-AND-PLAY CONFIGURATION, (4) RJ45 PORTS, LED STATUS INDICATORS, CONFIGURATION BUTTONS, PLENUM RATED.	-	120/277V LOAD, 24VDC CONTROL OUTPUT	AUTO ON AT 50%, AUTO OFF		-	-	2,4
LOW VOLTAG	E & LINE VOLTAGE S	WITCHES AND DIMMERS							,
D	WATTSTOPPER RH4FBL3PW	0-10V DIMMING WALL SWITCH.	-	120V/277V	-	0-10V	-	WHITE	2,3,4
LVD	WATTSTOPPER LMDM-101	DIGITAL DIMMING WALL SWITCH. LOWER CASE DESIGNATES LIGHTING ZONE CONTROLED BY SWITCH & ROOM CONTROLLER.	-	24VDC	-		-	WHITE	2,3,4
LV	WATTSTOPPER LMSW-101	DIGITAL NON-DIMMING WALL SWITCH.	-	24VDC	-		-	WHITE	2,3,4

- A. SENSOR LAYOUT BASED ON WATTSTOPPER COVERAGE PATTERNS. ADJUST QUANTITIES AND LOCATIONS FOR ALTERNATE MANUFACTURERS LISTED BELOW PER MANUFACTURER SPECIFIC SPACING CRITERIA.
- B. nlight, sensor switch, cooper-greengate, crestron, hubbell building automation, and leviton are considered equivalent manufactures for submission as an approved
- MANUFACTURER, CONTINGENT ON LISTINGS APPROPRIATE FOR THE APPLICATION.
- DURING SHOP DRAWINGS, PROVIDE LIGHTING PLANS SHOWING LOCATION, MOUNTING HEIGHT, ORIENTATION AND COVERAGE AREAS FOR EACH OCCUPANCY SENSOR FOR REVIEW AND APPROVAL BY ENGINEER.
- ALSO INCLUDE ON PLANS OTHER CEILING MOUNTED SYSTEMS, SHOWING COORDINATION WITH CEILING DEVICES INCLUDING BUT NOT LIMITED TO HVAC SUPPLY AND RETURN GRILLES, SPRINKLERS, AND LIGHT
- . PROVIDE ALL SENSORS BY THE SAME MANUFACTURER.
- PROVIDE COPIES OF SENSOR AND POWER SUPPLY OPERATION INSTRUCTIONS TO OWNER. PROVIDE WALL SWITCH AND CEILING SENSORS WITH AN ADJUSTABLE TIME DELAY RANGE OF 0-30 MIN, UNO.
- . DO NOT INSTALL LINE VOLTAGE SENSORS ON GFCI PROTECTED CIRCUITS.
- FIELD-SET DEVICES TO THE ON MODE INDICATED IN TABLE, DISABLE ANY VISABLE/AUDIBLE ALERT SETTINGS, AND SET SENSITIVITIES TO MAXIMUM LEVELS.
- PROVIDE ALL LOW VOLTAGE WIRING BETWEEN SENSORS, DEVICES, AND POWER SUPPLIES AS REQUIRED AND PER MANUFACTURER RECOMMENDATIONS.
- WHERE OCCUPANCY SENSORS USE BOTH PIR AND ULTRASONIC TECHNOLOGIES, PROGRAM OFF MODES (MAINTAIN OCCUPANCY AND RE-TRIGGER) TO TRIGGER ON A SIGNAL FROM EITHER TECHNOLOGY. (. WHERE MULTIPLE LOW VOLTAGE SWITCHES ARE CONNECTED WITHIN THE SAME SPACE, PROGRAM THE SWITCHES TO CONTROL THE LIGHTING IN THE EXACT SAME MANNER, UNO.
- CONNECT NEUTRAL CONDUCTOR TO SENSOR.
- NETWORK WITH OTHER 'DLM' COMPONENTS USING PRE-TERMINATED CAT 5e CABLING WITH RJ-45 JACKS.
- PROVIDE PROVIDE UNSWITCHED HOT, NEUTRAL AND GROUND TO ROOM CONTROLLER. 4 0-10V DIMMING CONDUCTORS SHALL BE CLASS 2 CABLE WITH (2) #18 CU PER UL REQUIREMENTS.

ELECTRICAL GENERAL NOTES:

- REFERENCE SHEET E3.0 FOR ELECTRICAL GENERAL NOTES.
- ELECTRICAL LIGHTING PLAN NOTES:
- 1. LOW VOLTAGE OCCUPANCY SENSOR MOUNTED AT CEILING/STRUCTURE. PROVIDE CATAGORY CABLE BACK TO ROOM CONTROL MONDULE. REFER TO LIGHTING CONTROL SCHEDULE FOR MORE INFORMATION.
- 2. ROOM CONTROL MODULE MOUNTED ABOVE CEILING (AT STRUCTURE) IN ACCESSIBLE LOCATION. PROVIDE CONTROLLED WIRING TO LIGHTING IN AREA. PROVIDE (2) #18 0-10V DIMMING CONDUCTORS TO EACH LIGHT FIXTURE FROM ROOM CONTROLLER.
- 3. ROUTE UNSWITCHED HOT TO ALL EMERGENCY LIGHT FIXTURES AND EXIT SIGNS.
- 4. PROVIDE DIMMING LOW VOLTAGE PADDLE SWITCH AND CONNECT TO ROOM CONTROLLER WITH CATAGORY CABLE. REFERENCE LIGHTING CONTROL SCHEDULE FOR FURTHER INFORMATION.
- 5. PROVIDE NEW OCCUPANCY SENSING WALL MOUNTED LIGHT SWITCH. REFERENCE LIGHTING CONTROL DEVICE SCHEDULE FOR ADDITIONAL INFORMATION.
- 6. EXTERIOR REMOTE EMERGENCY EGRESS FIXTURE MOUNTED ABOVE EXTERIOR EGRESS DOOR. FIXTURE SHALL BE POWERED OFF OF EXIT FIXTURE HIGH OUTPUT BATTERY.

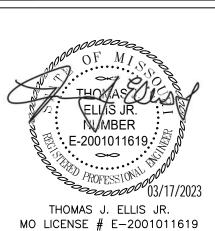


CONSTRUCTION
As Noted on Plans Review

Date:

REVISIONS

No. Date Description 1. 3.17.23 CITY REVIEW



PROJECT TEAM

MOMENTUM ARCHITECTURE+DESIGN ARCHITECT 5BY5 ENGINEERS MECHANICAL

5BY5 ENGINEERS

ELECTRICAL 5BY5 ENGINEERS

	Society (State Control of Control					0.00					(ISTING)			CATA MANAGEMENT	- Marie - Mari	S STATE OF THE STA	
	BUS AMPS:	225A						LOCATION		ELECTRICA	AL ROOM				DUND BU		
	MAIN SIZE / TYPE:	MLO						NEMA RA		NEMA 1						ND BUS: NO	
	VOLTS/PHASE:	208Y/120V		AFC VALUE: FEED THRU													
	MOUNTING:	SURFACE		AIC RATIN	G:	22k AIC				SEC	TIONS:	1 OF 1					
CKT	CIRCUIT		BREAK	(ER	WIRE	NOTES	LOAD	CONNEC	CTED PER P	HASE (VA)	LOAD	NOTES	WIRE	BR	EAKER	CIRCUIT	CK
#	DESCRIPTION		AMPS	Р	SIZE		(VA)	Α	В	С	(VA)		SIZE	P	AMPS	DESCRIPTION	#
1	LIGHTING		20	1			800	1,300		5	500			1	20	SIGN CIRCUIT (EXISTING)	2
3	CLOTHES WASHER		20	1			1,000	92	1,360		360			1	20	RECEPTACLE - TELCO BOARD	4
5	CLOTHES DRYER		30	2	#10		2,000		3	2,360	360			1	20	RECEPTACLES - RESTROOMS	6
7	-		-	*			2,000	2,180		_	180			1	20	RECEPTACLE - ELEC. WATER COOLER	8
9	WATER HEATER (WH1)		30	2	#10		1,900	54	2,440		540			1	20	RECEPTACLE - LOBBY	10
11	-		-	-			1,900		-	2,260	360			1	20	RECEPTACLES - CUBBIES	12
13	SPARE		20	1			0	540			540			1	20	RECEPTACLES - OFFICE	14
15	SPARE		20	1			0		0]	0			1	20	RECEPTACLES - RECEPTION DESK	16
17	SPARE		20	1			0			0	0			1	20	SPARE	18
19	SPARE		20	1			0	0			0			1	20	SPARE	20
21	SPARE		20	1			0		0		0			1	20	SPARE	22
23	SPARE		20	1	0		0	7	20	0	0			1	20	SPARE	24
25	SPARE		20	1			0	0			0			1	20	SPARE	26
27	SPARE		20	1			0	TO THE REAL PROPERTY.	0		0			1	20	SPARE	28
29	SPARE		20	1			0	9	2	0	0			1	20	SPARE	30
31	SPARE		20	1			0	0		Ĉŧ :	0	:		1	20	SPARE	32
33	SPARE		20	1			0		0]	0			1	20	SPARE	34
35	SPARE		20	1			0		2	0	0			1	20	SPARE	36
37	SPARE		20	1			0	3,000			3,000			343	12	-	38
39	SPARE		20	1			0		3,000		3,000	ETR		3	45	ROOF TOP UNIT 'RTU-2' (EXISTING)	40
41	SPARE		20	1			0			3,000	3,000			-	-	-	42
PER PHASE SUB-TOTALS							7,020	6,800	7,620	Ī							
TOTAL CONNECTED PANELBOARD (VA) TOTAL CONNECTED PANELBOARD (AMPS)								21,440		LEGEND:							
							9.	60		TS - VIA TIME SWITCH					ST - SHUNT TRIP		
TOTAL PANELBOARD DEMAND (VA) TOTAL PANELBOARD DEMAND (AMPS)									13,965		FA - FIRE ALARM / RED / LOCKING TAB						
									39		EM - EMERGENCY LTG. / LOCKING TAB						
								MI.	100 TST2		CWA-C TOWNS AND BOOK		v nave observation w			OL - RE: ONE-LINE DIAGRAM	
												TING TO R					

						DANIEL	DO 4 DD	DANIEL	IT AL /EV	UCTINIC)	1					
	MAIN SIZE / TYPE: MI VOLTS/PHASE: 20	5A LO 8Y/120V, 3PH, 4' IRFACE	N			PANEL	LOCATION NEMA RA' AFC VALU AIC RATIN	I: TING: E:	•	STUDIO RO			ISOL FEEL		UND BUS: NO J LUGS: NO	
СКТ	CIRCUIT	BREAK	ŒR	WIRE	NOTES	LOAD	CONNEC	CTED PER P	HASE (VA)	LOAD	NOTES	WIRE	BR	EAKER	CIRCUIT	СКТ
#	DESCRIPTION	AMPS	Р	SIZE		(VA)	Α	В	С	(VA)		SIZE	Р	AMPS	DESCRIPTION	#
1	LIGHTING SPARE	20 20	1			1,200 0	2,460	540	1	1,260 540			1		RECEPTACLES RECEPTACLES	2
5	SPARE	20	1	ţ <u>.</u>		0	i		900	900	;		1	20	RECEPTACLES	6
7	SPARE	20	1			0	720			720			1	20	RECEPTACLES - SEC. CAMERAS	8
9	SPARE	20	1		-	0	000 mm 100 mm 10	540]	540			1	20	RECEPTACLES	10
11	SPARE	20	1			0	i		540	540			1	20	RECEPTACLES	12
13	SPARE	20	1			0	720			720			1	20	RECEPTACLES	14
15	SPARE	20	1			0		0		0			1	20	SPARE	16
17	SPARE	20	1			0		20	0	0			1	20	SPARE	18
19	SPARE	20	1			0	0			0			1	20	SPARE	20
21	SPARE	20	1			0		0		0			1	20	SPARE	22
23	SPARE	20	1			0	et)	•	0	0			1	20	SPARE	24
25	SPARE	20	1			0	0			0			1	20	SPARE	26
27	SPARE	20	1			0		0		0			1	20	SPARE	28
29	SPARE	20	1			0			0	0			1	20	SPARE	30
31	-	-	*			7,020	7,020		,	0			1	20	SPARE	32
33	PANEL 'T3' (EXISTING)	100	3			6,800		6,800		0			1	20	SPARE	34
35	-	-	340			7,620		1	7,980	360			1	20	SPARE	36
37	SPARE	20	1			0	5,000		1	5,000			-	-	-	38
39	SPARE	20	1			0		5,000		5,000		#6	3	60	ROOF TOP UNIT 'RTU-2'	40
41	SPARE	20	1			0			5,000	5,000			-	-	-	42
	PER PHASE SUB-TOTALS						15,920	12,880	14,420							
	TOTAL CONNECTED PANELBOARD (VA) TOTAL CONNECTED PANELBOARD (AMPS) TOTAL PANELBOARD DEMAND (VA) TOTAL PANELBOARD DEMAND (AMPS)							43,220 120 36,045 100	TS - VIA TIME SWITCH ST - SHUNT TRIP FA - FIRE ALARM / RED / LOCKING TAB LCK - LOCKING TAB						LCK - LOCKING TAB	
			100							OL - RE: ONE-LINE DIAGRAM						

ELECTRICAL GENERAL DEMOLITION NOTES:

- REFERENCE ARCHITECTURAL DRAWINGS FOR FULL EXTENT OF DEMOLITION WORK AND PHASING. NOTIFY ARCHITECT, ENGINEER, AND/OR OWNER, AS APPLICABLE, OF ANY CONFLICTS OR DISCREPANCIES BETWEEN DRAWINGS AND JOBSITE CONDITIONS PRIOR TO SUBMITTING BID.
- COORDINATE DEMOLITION AND REMOVAL OF EXISTING EQUIPMENT AND LIGHTING SYSTEMS WITH ARCHITECTURAL PHASING DRAWINGS AND OWNER TO ALLOW NECESSARY SYSTEMS TO REMAIN OPERATIONAL DURING CONSTRUCTION.
- UNLESS NOTED OTHERWISE, DISPOSE OF ALL ELECTRICAL EQUIPMENT, LIGHT FIXTURES, AND DEVICES SHOWN TO BE REMOVED. COORDINATE WITH THE OWNER THE ITEMS TO BE SALVAGED, AND THE LOCATION FOR STORAGE. AVOID DAMAGING SALVAGED ITEMS DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.
- WHERE ALTERATION OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, RACEWAYS, OR WIRING DEVICES AFFECTS EXISTING SURFACES/FINISHES: REPAIR/PAINT AFFECTED SURFACE TO MATCH EXISTING ADJACENT SURFACE IN ACCORDANCE WITH OWNER REQUIREMENTS. MAINTAIN FIRE RATING OF ALL FLOORS, WALLS, AND CEILINGS THAT ARE RATED.
- WHERE DEMOLITION WORK INTERRUPTS ELECTRICAL CONTINUITY OF CIRCUITS THAT ARE TO REMAIN IN USE: PROVIDE NECESSARY DEVICES AND RELATED CIRCUITRY TO MAINTAIN ELECTRICAL CONTINUITY IN ACCORDANCE WITH OWNER REQUIREMENTS. RE—CIRCUIT REUSED ELECTRICAL EQUIPMENT, LIGHT FIXTURES, AND WIRING DEVICES PREVIOUSLY POWERED FROM DEMOLISHED EQUIPMENT TO NEW OR TEMPORARY EQUIPMENT AS NEEDED.
- COORDINATE DISCONNECTION OF POWER TO EQUIPMENT BEING DEMOLISHED / REMOVED / RELOCATED WITH OTHER TRADES PRIOR TO START OF WORK. REMOVE ALL ELECTRICAL EQUIPMENT, LIGHT FIXTURES, RACEWAYS, WIRING DEVICES, AND RELATED CIRCUITRY NOT BEING REUSED IN ALL ACCESSIBLE AREAS INCLUDING FLOORS, WALLS, AND CEILINGS THAT ARE TO BE REMOVED.
- ELECTRICAL EQUIPMENT, RACEWAYS, AND RELATED CIRCUITRY ABANDONED IN PLACE SHALL BE PERMANENTLY DISCONNECTED FROM ALL POWER SOURCES, INSULATED FROM CONTACT WITH OTHER LIVE ELECTRICAL WIRING/DEVICES, AND IDENTIFIED AT TERMINATIONS AS NO LONGER BEING IN SERVICE. CABLES/WIRING NOT BEING REUSED SHALL BE REMOVED UNLESS IDENTIFIED FOR FUTURE USE. CARE SHOULD BE TAKEN DURING THE REMOVAL PROCESS TO PROTECT THE EXISTING REUSED CABLES/WIRING FROM DAMAGE.

ELECTRICAL GENERAL NOTES:

- DRAWINGS ARE SCHEMATIC IN NATURE AND BASED ON PRELIMINARY SITE OBSERVATION AND ORIGINAL DESIGN DRAWINGS (WHEN AVAILABLE). PRIOR TO BID, CONTRACTOR SHALL INVESTIGATE THE PROJECT SITE AND BECOME FULLY AWARE OF ALL FIELD CONDITIONS, CURRENT SYSTEM OPERATION AS WELL AS COORDINATION REQUIREMENTS. COORDINATE ALL MECHANICAL WORK WITH ARCHITECTURAL DRAWINGS, EXISTING CONDITIONS AND OTHER TRADES PRIOR TO BID OR START OF WORK.
- ELECTRICAL WORK SHALL CONFORM TO APPLICABLE CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. REFER TO ARCHITECTURAL CODE PLANS FOR SPECIFIC CODE REFERENCES.
- COORDINATE ELECTRICAL WORK WITH ALL OTHER PROJECT TRADES (E.G. ARCHITECTURAL, STRUCTURAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ETC.).
- COORDINATE EXACT LOCATIONS OF ALL LIGHT FIXTURES AND ELECTRICAL DEVICES WITH ARCHITECTURAL DRAWING AND OTHER TRADES PRIOR TO ROUGH—IN. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRE TO PROPERLY INSTALL ALL SYSTEMS.
- INSTALL PULL STRING IN ALL EMPTY CONDUIT/RACEWAY. TERMINATE CONDUIT STUB-UP WITH A NYLON BUSHING.
- COLOR FOR RECEPTACLES, SWITCHES, NETWORK DEVICES AND COVER PLATES SHALL MATCH. DEVICE COLOR SHALL WHITE. DEVICE PLATES SHALL BE PLASTIC ON GYPBOARD WALLS AND STAINLESS STEEL ON TILED WALLS.
- ELECTRICAL CONTRACTOR SHALL INSPECT ALL ELECTRICAL EQUIPMENT TO REMAIN. REPORT ANY DEFICIENCIES TO OWNER PRIOR TO START OF WORK.
- ALL CONDUCTORS SHALL BE INSTALLED IN METALLIC (EMT) CONDUIT, AND INSTALLED IN A NEAT AND WORKMANLIKE MANNER PER THE RECOGNIZED EDITION OF THE NATIONAL ELECTRIC CODE (NEC). CONDUIT SHALL BE 1/2" MINIMUM USING STEEL SET—SCREW FITTINGS. HOME RUNS SHALL CONFORM TO NEC REQUIREMENTS FOR CONDUIT FILL, AND SHALL CONTAIN NO MORE THAN 6 CURRENT CARRYING CONDUCTORS. IF NEUTRALS ARE SHARED FOR ANY REASON, CIRCUIT BREAKER TIE HANDLES SHALL BE INSTALLED AT THE PANEL
- AT CONTRACTOR'S OPTION, MC CABLE CAN BE USED IN FURRED WALLS, ABOVE CEILINGS AND IN OTHER CONCEALED SPACES WHERE ALLOWED BY NEC. MC CABLE MAY BE ROUTED EXPOSED IF ROUTED NEATLY ALONG BUILDING STRUCTURE AND TIGHTLY STRAPPED AND SUPPORTED.
- CONTRACTOR SHALL VERIFY ALL ROUGH—IN LOCATIONS AND QUANTITIES FOR GENERAL USE POWER AND DATA WITH OWNER AND/OR ARCHITECT PRIOR TO INSTALLATION.
- ALL CONDUCTORS SHALL BE COPPER WITH #12 AWG MINIMUM, (UNLESS NOTED OTHERWISE).
- CONTRACTOR SHALL LABEL ALL RECEPTACLES, BOXES, PANELBOARDS, ETC. WITH PANEL, CIRCUIT NUMBER, ETC. WITH PANEL AND CIRCUIT NUMBERS. RECEPTACLE COVERPLATES SHALL BE LABELED USING PRINTED LABEL WITH 1/2" HIGH LETTERS. COORDINATE WITH OWNER FOR FINAL PANEL AND EQUIPMENT DESIGNATIONS AND LABELING REQUIREMENTS.

CHEMATIC IN NATURE AND BASED ON

ORSERVATION AND ORIGINAL DESIGN

Lee's Summit,
03/30/20

Development Services Depart Se

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review

Lee's Sum 34 NE Douglas St

Summ

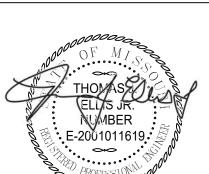
Date:

12/30/22

Issued STEP 1 FOR REVIEW

REVISIONS

No. Date Description



THOMAS J. ELLIS JR.

MO LICENSE # E-2001011619

PROJECT TEAM

RCHITECT MOMENTUM
ARCHITECTURE+DESIGN
ECHANICAL 5BY5 ENGINEERS

ABING 5BY5 ENGINEERS

CONTRACTOR HAWTHORN PROJECTS

5BY5 ENGINEERS

1100 Main Street, 4th Floor Kansas City, MO 64105 Kansas COA: E-2361 913-689-9449 contact@5by5eng.com

DEFERS 5095en

E3.0

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