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M000 MECH. LEGENDS AND GEN. NOTES M101.1 MECH. FIRST FLOOR PLAN WEST M101.2 MECH. FIRST FLOOR PLAN EAST M102.1 MECH. SECOND FLOOR PLAN WEST M102.2 MECH. SECOND FLOOR PLAN EAST M201.1 MECH. ROOF PLAN WEST M201.2 MECH. ROOF PLAN EAST M401 MECH. DETAILS M402 MECH DETAILS M501 MECH. SCHEDULES

M601 MECH. CONTROLS M602 MECH. CONTROLS M701 MECH. SPECIFICATIONS

PLUMBING P000 LEGENDS AND GEN. NOTES P100.1 PLUMBING 1ST FLOOR UNDERSLAB - WEST P100.2 PLUMBING FINISH FLOOR UNDERSLAB PLAN EAST P101.1 PLUMBING 1ST FLOOR PLAN WEST

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ELECTRICAL

E000 ELECT. LEGENDS & GEN. NOTES E101 ELECT. SITE PLAN E101.1 ELECT. 1ST FLOOR PLAN WEST E101.2 ELECT. 1ST FLOOR PLAN EAST E102.1 ELECT. 2ND FLOOR PLANS WEST E102.2 ELECT. 2ND FLOOR PLAN EAST

E121.1 LIGHTING 1ST FLOOR PLAN WEST E121.2 LIGHTING 1ST FLOOR PLAN EAST E122.1 LIGHTING 2ND FLOOR PLAN WEST E122.2 LIGHTING 2ND FLOOR PLAN EAST E201.1 ELECT. ROOF PLAN WEST

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PROJECT TEAM

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1212 E. 8th St. Kansas City, Missouri 64106 PH. 816-842-6914 **MECHANICAL**

CONTRACTOR FOGEL-ANDERSON

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HENDERSON ENGINEERS 8345 Lenexa Dr, Suite 300 Lenexa, Kansas 66214 PH. 913-742-5000

8345 Lenexa Dr, Suite 300 Lenexa, Kansas 66214 PH. 913-742-5000 FIRE PROTECTION HENDERSON ENGINEERS

8345 Lenexa Dr, Suite 300

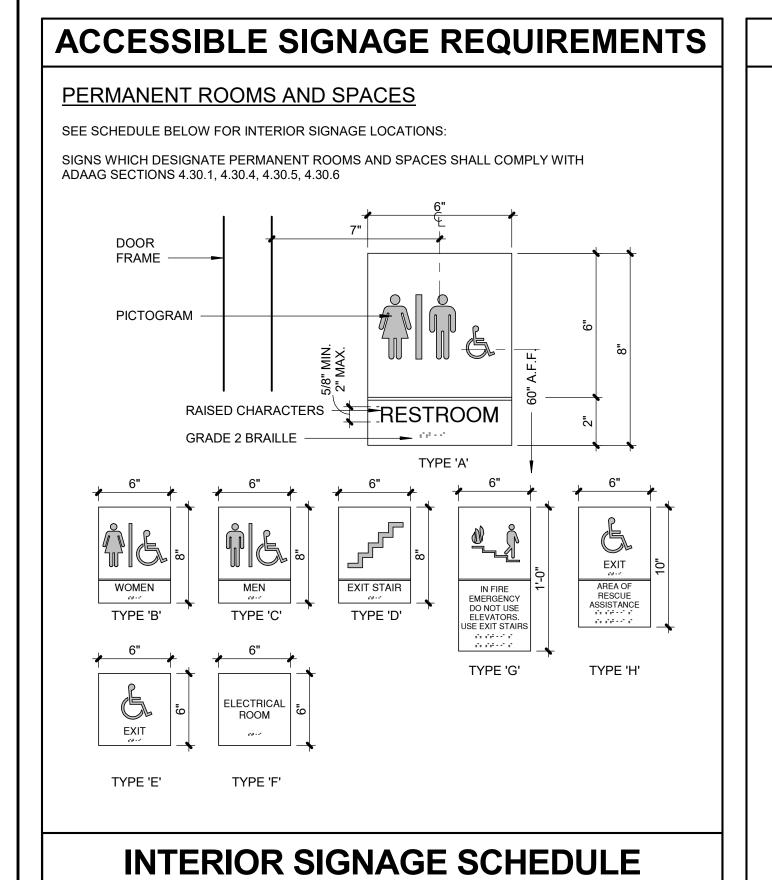
Lenexa, Kansas 66214

PH. 913-742-5000

HENDERSON ENGINEERS

ELECTRICAL





DOOR NO. **ROOM NAME SIGN TYPE SIGN TEXT** ELECTRICAL / IT ROOM ELECT./IT ELEV ELECTRICAL ELECTRICAL ROOM FIRE RISER ROOM FIRE SPRINKLER ROOM ELECTRICAL ELECTRICAL ROOM METER ENCLOSURE MENS RR WOMENS RR

EXIT STAIR

EXIT STAIR

- TACTILE & BRAILE CHARACTERS

 a. CHARACTERS SHALL BE RAISED MINIMUM 1/32"
- CHARACTERS SHALL BE UPPER CASE & SANS SERIF OR SERIF TYPESTYLE b. CHARACTERS SHALL BE A MINIMUM OF 5/8" HIGH AND MAXIMUM 2" HIGH
- PICTOGRAMS (SYMBOLS)
 a. PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION
- PLACED DIRECTLY BELOW THE PICTORGRAM AS INDICATED. THE BORDER DIMENSION OF THE PICTORGRAM SHALL BE 6" MIN. IN HEIGHT
- CHARACTERS AND BACKGROUND SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH AS RECOMMENDED BY THE SIGN MANUFACTURER. BACKGROUND SHALL CONSIST OF 1/4" ACRYLIC, COLOR TO MATCH SW 7068
- CHARACTERS AND SYMBOLS SHALL BE WHITE

"GRIZZLE GREY"

WEST STAIR

EAST STAIR

- MOUNTING LOCATION AND HEIGHT MOUNT AT 60" ABOVE FINISH FLOOR TO THE CENTER OF SIGN
- MOUNT ON WALL ADJACENT TO THE LATCH SIDE OF THE DOOR IF NO WALL SPACE EXISTS ON THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE
- LEAF DOORS, MOUNT ON THE NEAREST ADJACENT WALL
- INCLUDE 4" HIGH VINYL WHITE LETTERS W/ MIN. 0.5" STROKE READING "SPRINKLER ROOM" APPLIED TO EXTERIOR SIDE OF DOOR, AS REQUIERD BY LOCAL FIRE DEPT.

DIRECTIONAL INFORMATION

NON-RATED CONDITION

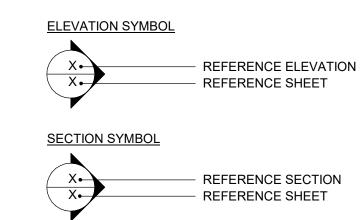
OTHER SIGNS WHICH PROVIDE DIRECTION TO OR INFORMATION ABOUT FUNCTIONAL SPACES OF THE BUILDING SHALL COMPLY WITH ADAAG SECTIONS: 4.30.1, 4.30.2, 3.30.3, 4.30.5

DRAWING SYMBOLS LEGEND

EXISTING CONSTRUCTION TO REMAIN

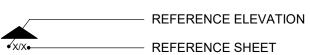
NEW CONSTRUCTION

- XX WALL TYPE DESIGNATION -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DRAWING A0.02 FOR CONSTRUCTION REQUIREMENTS.
- **ROOM NAME AND NUMBER -**REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE FINISH SCHEDULE FOR FINISHES.
- DOOR AND FRAME DESIGNATION -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DOOR AND FRAME SCHEDULE FOR REQUIREMENTS.



ENLARGED DETAIL / ENLARGED PLAN SYMBOI REFERENCE DETAIL REFERENCE SHEET

INTERIOR ELEVATION SYMBOL



FINISH DESIGNATION SYMBOL

XX-1 WALL FINISH DESIGNATION XX-1 BASE FINISH DESIGNATION LIMITS OF WALL AND BASE FINISHES

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

- FLOOR FINISH DESIGNATION -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE FINISH SCHEDULE FOR DESCRIPTIONS.
- **REVISION NOTE**
- **CONSTRUCTION NOTE**
- **DEMOLITION NOTE**

RESTROOM ACCESSORY DESIGNATION -

- GYPSUM BOARD CONTROL JOINT -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DETAIL 2/A0.01 FOR CONSTRUCTION REQUIREMENTS.
- CONCRETE MASONRY CONTROL JOINT -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DETAIL 1/A0.01 FOR CONSTRUCTION REQUIREMENTS.
- WALL MOUNTED FIRE EXTINGUISHER BY LARSEN'S MANUFACTURING COMPANY, WWW.LARSENMFG.COM, MODEL MP10 W/B2 MOUNTING BRACKET, REFERENCE FLOOR PLAN(S) FOR LOCATIONS. MOUNT SO CENTERLINE OF EXTINGUISHER IS 46" A.F.F.
- SEMI-RECESSED FIRE EXTINGUISHER BY LARSEN'S MANUFACTURING COMPANY, WWW.LARSENMFG.COM OR APPROVED EQUAL: ARCHITECTURAL SERIES, MODEL # AL-2409-6R. ALUMINUM, SEMI-RECESSED (2 ½" PROTRUSION FROM WALL WITH ROLLED EDGES), SOLID DOOR WITH RECESSED HANDLE, ENGRAVED VERTICAL LETTERS WITH NO BACKFILL "FIRE EXTINGUISHER" ON DOOR. CABINET TO BE PROVIDED WITH MP10 FIRE EXTINGUISHER AND MANUFACTURER'S STANDARD MOUNTING BRACKET. MOUNT SO CENTERLINE OF CABINET HANDLE IS 46" A.F.F.

GENERAL NOTES

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

THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL

REQUIRED PERMITS, LICENSES, AND ALL UTILITY CHARGES, AND ARRANGE FOR ALL

- 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
- 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.

RESULTING FROM CLARIFICATION OF SUCH DISCREPANCIES.

BY THE ARCHITECT PRIOR TO CONSTRUCTION.

- CONTRACTOR TO FOLLOW ALL PRODUCT MANUFACTURER INSTALLATION REQUIREMENTS FOR ALL BUILDING PRODUCTS. IN THE EVENT OF A CONFLICT BETWEEN INFORMATION SHOWN ON THE CONTRACT DOCUMENTS AND PRODUCT MANUFACTURER INSTALLATION REQUIREMENTS. PRODUCT MANUFACTURER INSTALLATION REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN PRODUCT MANUFACTURER INSTALLATION REQUIREMENTS AND THE CONTRACT DOCUMENTS PRIOR TO INSTALLATION.
- 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 INCIDENTA THERETO: ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL AFFIX A STAMP TO SUBMITTAL INDICATING HIS REVIEW. SUBMITTALS FORWARDED WITHOUT A STAMP WILL BE RETURNED. ALL SUBMITTALS MUST BE REVIEWED
- 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 THE OWNER.
- 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.
- 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.
- CONTRACTOR SHALL COORDINATE CLEAR OPENINGS FOR ALL APPLIANCES PRIOR TO CONSTRUCTION OF CASEWORK.
- 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.
- CONTRACTOR SHALL PREPARE ALL NEW AND EXISTING SURFACES SCHEDULED TO RECEIVE NEW FINISHES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE SUBSTRATE & FINISH BEING APPLIED.
- 17. CONTRACTOR SHALL COORDINATE FINAL QUANTITY AND LOCATIONS OF FIRE EXTINGUISHERS WITH THE FIRE DEPARTMENT AND/OR BUILDING DEPARTMENT. SEE SYMBOLS LEGEND FOR TYPE OF EXTINGUISHER.
- 18. 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.
- 19. 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.
- 20. TENANT SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF VOICE AND DATA CABLING AND EQUIPMENT.
- 21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE AUTOMATIC SPRINKLER SYSTEM. THE DESIGN SHALL BE PER NFPA REQUIREMENTS.
- 22. 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
- 23. 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
- 24. ALL HIGH-PILED STORAGE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE APPLICABLE EDITION OF THE INTERNATIONAL FIRE CODE.
- 25. THE CONTRACTOR IS TO PROVIDE AS BUILT DRAWINGS IN HARD COPY & AN ELECTRONIC AUTOCAD FILE TO THE OWNER AT THE CONCLUSION OF THE PROJECT.
- 26. INSTALL ELASTOMERIC JOINT SEALER AROUND ALL PIPES, DUCTWORK, & 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.
- 27. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING CONSTRUCTION INDICATED TO REMAIN AND SHALL REPAIR AND/OR REPLACE ALL AREAS AND /OR MATERIAL DAMAGED DURING CONSTRUCTION AT A MINIMUM TO THE CONDITION WHICH EXISTED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PRICING RADIO COVERAGE AMPLIFIER FOR EMERGENCY RESPONDERS AS AN ALTERNATE. PRIOR TO CONSTRUCTION COMPLETION, AMPLIFIER SHALL BE PROVIDED ONLY IF REQUIRED BY AHJ.

PROFESSIONAL SERVICES DISCLAIMER

THIS DISCLAMER SERVES NOTICE OF ACCEPTANCE OF RESPONSIBILITY AND

DISCLAIMER OF RESPONSIBILITY AS TO THE CONTRACT DOCUMENTS PREPARED FOR 19050.01a, PARAGON STAR BLDG 2 / LOT 9 BY FINKLE + WILLIAMS, INC ADDRESS: THE UNDERSIGNED ARCHITECT. AND FINKLE + WILLIAMS. INC., ARE RESPONSIBLE FOR PREPARATION OF ONLY THE NOTED CONSTRUCTION DRAWINGS BELOW: 01/20/23 A0.01 LEGENDS & GEN. NOTES 01/20/23 WALL TYPES 06/02/22 ARCHITECTURAL SITE PLAN 09/27/22 09/27/22 CODE SITE PLAN CODE PLANS 09/27/22 TRASH ENCLOSURE DETAILS 09/27/22 GAS METER ENCLOSURE DETAILS 09/27/22 A0.11 01/20/23 SLAB EDGE PLAN - 1ST FLOOR WEST SLAB EDGE PLAN - 1ST FLOOR EAST 09/27/22 01/20/23 SLAB EDGE PLAN - 2ND FLOOR WEST SLAB EDGE PLAN - 2ND FLOOR EAST 06/02/22 01/20/23 **OVERALL FLOOR PLANS** FIRST FLOOR PLAN -WEST 01/20/23 FIRST FLOOR PLAN - EAST 06/02/22

SECOND FLOOR PLAN - WEST 01/20/23 SECOND FLOOR PLAN - EAST 06/02/22 ENLARGED TOILET PLANS AND DETAILS 01/20/23 INTERIOR ELEVATIONS 01/20/23 INTERIOR ELEVATIONS 01/20/23 **OVERALL ROOF PLAN** 01/20/23 **ROOF PLAN - WEST** 01/20/23 **ROOF PLAN - EAST** 06/02/22 **ROOF DETAILS** 09/27/22 01/20/23 **EXTERIOR ELEVATIONS ENLARGED ELEVATIONS - NORTH** 01/20/23 01/20/23 **ENLARGED ELEVATIONS - SOUTH** 01/20/23 **ENLARGED ELEVATIONS BUILDING SECTIONS** 09/27/22 09/27/22 WALL SECTIONS WALL SECTIONS 01/20/23 09/27/22 WALL SECTIONS 09/27/22 WALL SECTIONS WALL SECTIONS 09/27/22 09/27/22 WALL SECTIONS WALL SECTIONS 09/27/22 WALL SECTIONS 09/27/22 09/27/22 WALL SECTIONS VERTICAL CIRCULATION 01/20/23 01/20/23 VERTICAL CIRCULATION VERTICAL CIRCULATION 01/20/23 01/20/23 VERTICAL CIRCULATION VERTICAL CIRCULATION 09/27/22 09/27/22 VERTICAL CIRCULATION VERTICAL CIRCULATION DETAILS 01/20/23 DETAILS 09/27/22 **DETAILS** 09/27/22

DOOR & WINDOW DETAILS 09/27/22 **DOOR & WINDOW DETAILS** 09/27/22 09/27/22 FINISH SCHEDULE AND DETAILS 01/20/23 FINISH PLAN REFLECTED CEILING PLAN 01/20/23 CEILING DETAILS 09/27/22 PROJECT SPECIFICATIONS 09/27/22 A11.11 PROJECT SPECIFICATIONS 09/27/22 PROJECT SPECIFICATIONS 09/27/22

DOOR SCHEDULE AND DETAILS

ALL 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.

THE UNDERSIGNED ARCHITECT AND FINKLE + WILLIAMS DISCLAIM RESPONSIBILITY FOR

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

ARCHITECT: DAVID A. WILLIAMS

BUILDING SUMMARY

GENERAL BUILDING INFORMATION PROJECT NAME: PARAGON STAR BLDG 2 / LOT 9 3201 NW PARAGON PKWY LEE'S SUMMIT, MO PROPOSED USE: B, A-2, & M

ADDITIONAL E CODES

APPLICABLE CODES	
INTERNATIONAL BUILDING CODE (IBC)	2018 EDITIO
INTERNATIONAL MECHANICAL CODE (IMC)	2018 EDITIO
INTERNATIONAL PLUMBING CODE (IPC)	2018 EDITIO
NATIONAL ELECTRIC CODE (NEC)	2017 EDITIO
INTERNATIONAL FIRE CODE (IFC)	2018 EDITIO
INTERNATIONAL FUEL GAS CODE (IFGC	2018 EDITIO
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2018 EDITIO
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) LIFE SAFETY CODE 101	2000 EDITIO
DEPT OF JUSTICE ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 EDITIO

GENERAL BUILDING LIMITATIONS (CHAPTER 3, 5)

OCCUPANCY CLASSIFICATION		CONSTRUCTION	BASIC ALLOWABLE	
USE	GROUP	TYPE	FLOOR AREA (At)	HEIGHT
BUSINESS	Group (B)	Type 2B	69,000 SF	4 STORIES, 55 FT.
RESTAURANT	Group (A-2)	Type 2B	28,500 SF	3 STORIES, 75 FT.
MERCANTILE	Group (M)	Type 2B	37,500 SF	3 STORIES, 75 FT.

HEIGHT MODIFICATIONS (Sec. 504)

SPRINKLER INCREASE: Sprinkler increase = 20' and (1) Story TOTAL ALLOWABLE HEIGHT: TOTAL PROPOSED HEIGHT: 45', (2) Stories

AREA MODIFICATIONS (Sec. 506)

YARD INCREASE: (If) $I_f = 100 (F/P - 0.25) \times W/30 = *\%$ $I_f = 100 (1148'/1148' - 0.25) \times 30/30 = 75\%$ SPRINKLER INCREASE: (Is) Automatic Sprinkler System Throughout per Sec. 903.3.1.1 Y - Single-Story sprinklered (I_S = 300%)

MAX. ALLOWABLE BUILDING AREA (PER FLOOR):49,875 S.F. (UNSEPARATED MIXED USE) **GROUND FLOOR AREA:** 31,760 S.F SECOND FLOOR AREA: 37,290 S.F TOTAL BUILDING AREA: 69,050 S.F

OCCUPANCY SEPERATION - TABLE 508.3.3 REQUIRED SEPARATION:_____ MIXED-USE NON-SEPARATED BUILDING APPLY MOST RESTRICTIVE TYPE OF CONSTRUCTION TO DETERMINE ENTIRE ALLOWABLE BUILDING MODIFICATIONS

FIRE PROTECTION

01/20/23

FIRE SPINKLER SYSTEM: PROVIDED THROUGHOUT PER IBC 903 AND NSTALLED PER NFPA 13 FIRE ALARM & DETECTION SYSTEM:

GENERAL EXITING LIMITATIONS (CHAPTER 10)

OCCUPANT LOAD (1004):

FIRST FLOOR: 6,792/S.F. / 60 S.F. PER OCCUPANT = 114 OCCUPANTS MERCANTILE: 20,724 S.F. TOTAL

15,543 S.F. / 15 S.F. PER OCCUPANT = 1,037 OCCUPANTS

5,181 S.F. / 200 S.F. PER OCCUPANT = 26 OCCUPANTS **RESTAURANT:** 75% SEATING: 25% KITCHEN:

SECOND FLOOR:

 BUSINESS:
 33,145 S.F. / 150 S.F. PER OCCUPANT =
 221 OCCUPANTS

 STORAGE:
 300 S.F. / 300 S.F. PER OCCUPANT =
 1 OCCUPANT
 TOTAL BUILDING OCCUPANCY:____ 1,399 OCCUPANTS

MAXIMUM TRAVEL DISTANCE (1016):

MINIMUM PLUMBING FIXTURE COUNT (CHAPTER 29)

		WATER	CLOSETS	LAVA	TORIES	DRINKING	OTHER
OCC.	OCCUPANT LOAD	MALE	FEMALE	MALE*	FEMALE	FOUNTAINS~	
		REQ'D/PROV.	REQ'D/PROV.	REQ'D/PROV.	REQ'D/PROV.	REQ'D/PROV.	1 Serv.
(B)	33,107 SF / 150 = 218	4 / 4*	4/4	3/3	3/3	3 / 3~	Sink

B = 300 FT (FULLY SPRINKLERED)

1 = 250 FT (FULLY SPRINKLERE

* Urinals shall be permitted to be substituted for not more than 50 percent of the required water closets as permitted by section 419.2 of the IPC.

~ Water coolers or bottled water dispensers shall be permitted to be substituted for not more than 50 percent of the required drinking fountains as permitted by section 410.1 of the IPC.

FLOOR PLAN WAS TWEAKED TO REFLECT ALTERNATE ELEV. LAYOUT, WHICH DID NOT

REGISTRATION

CONSTRUCTION As Noted on Plans Review

PARAGON STAR

BLDG 2 / LOT 9

3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

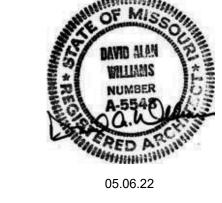
REVISIONS

Project No.: 19050.01a

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11.29.22

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PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

STRUCTURAL

ELECTRICAL

ENGINEERS PLUMBING HENDERSON **ENGINEERS**

BSE STRUCTRAL

HENDERSON

MECHANICAL HENDERSON **ENGINEERS**

ENGINEERS FIRE PROTECTION HENDERSON

CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS ARCHITECTURE

SHEET TITLE

8787 RENNER BLVD., SUITE 100

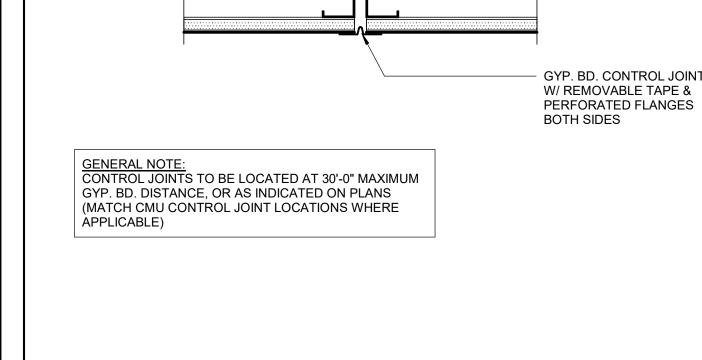
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LEGENDS & GEN. NOTES

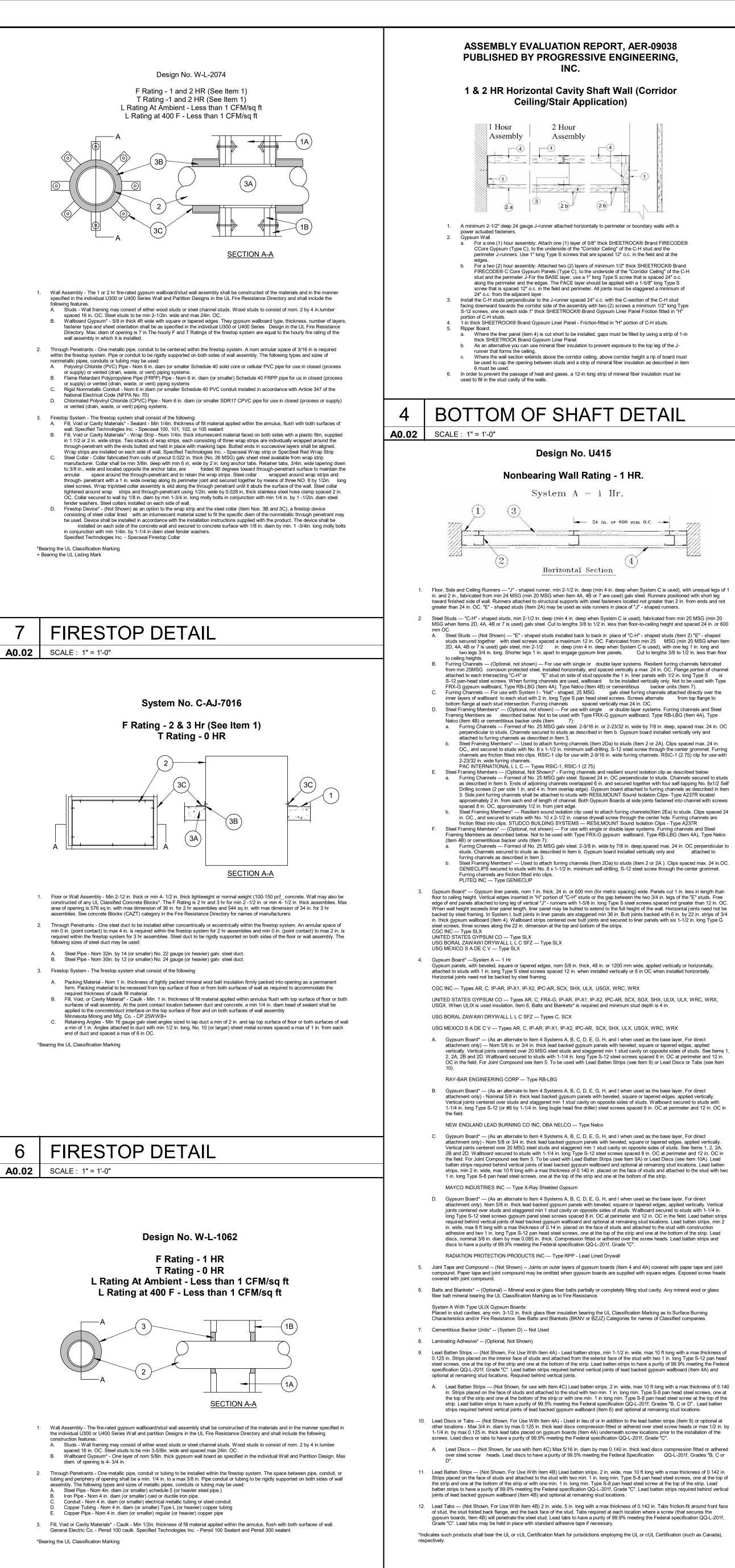
SHEET NUMBER



5/8" TYPE 'X' GYP. BD. EACH SIDE ON MTL. STUDS PER WALL TYPE

CONTROL JOINT

A0.01 SCALE: 3" = 1'-0"



FIRESTOP DETAIL

SCALE: 1" = 1'-0"

Assembly

Design No. U415

System A - 1 Hr.

Horizontal Section

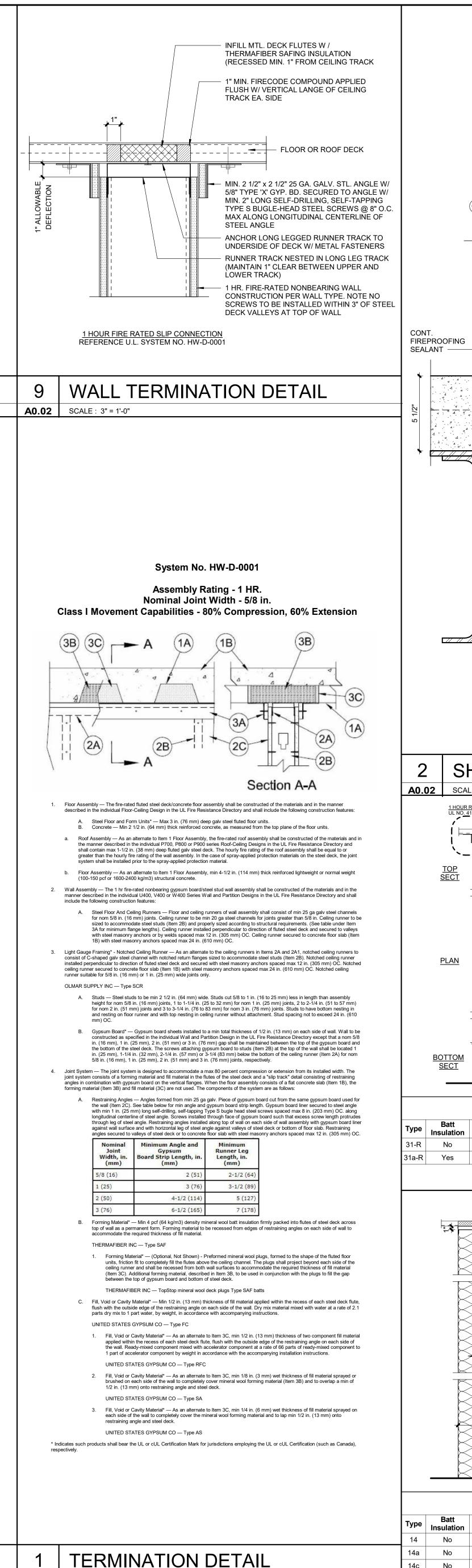
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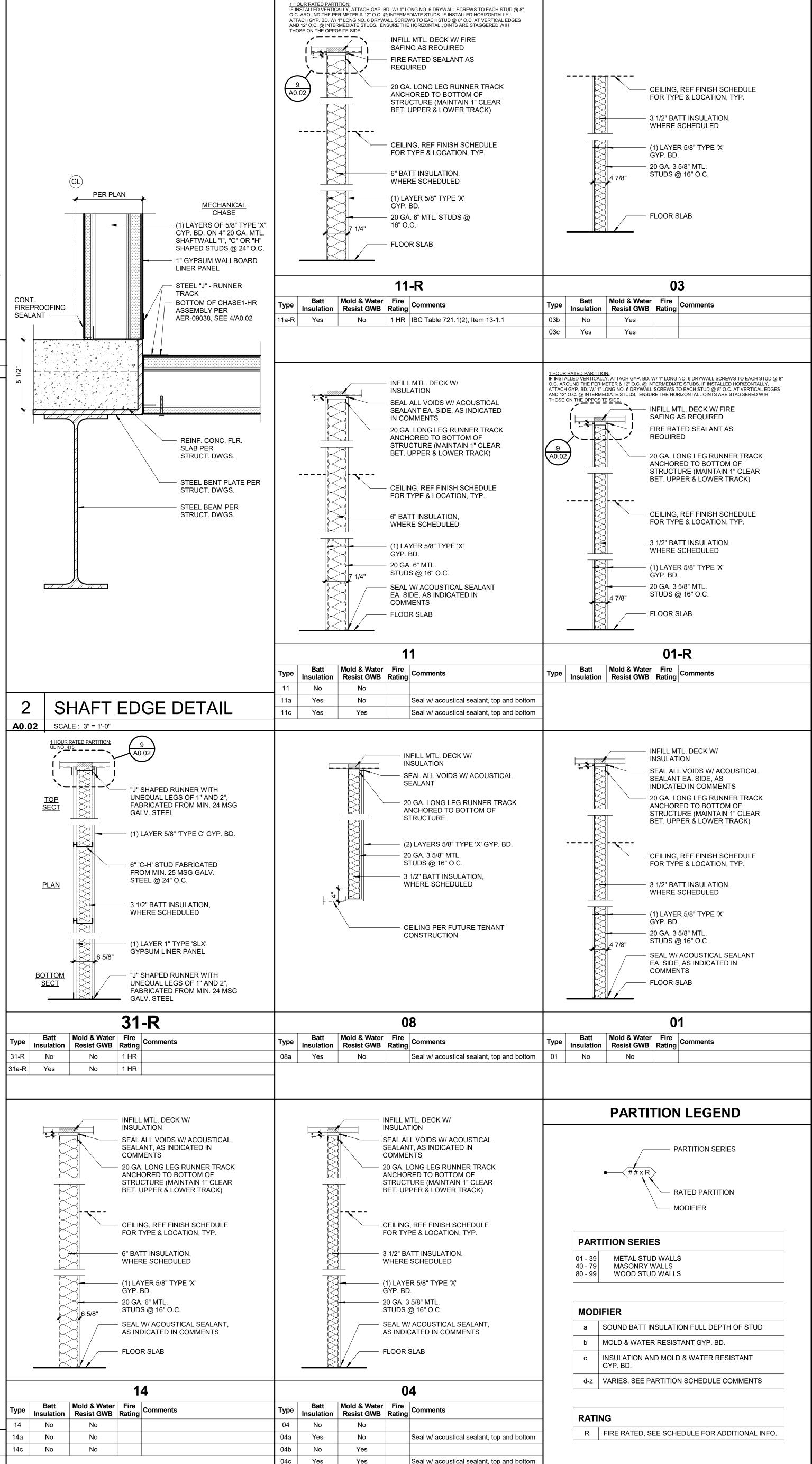
A0.02

SCALE: 1" = 1'-0"

SCALE: 1" = 1'-0"

24 in. or 600 mgs 0.C.









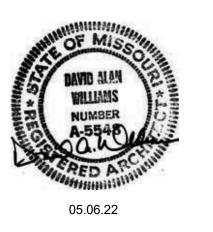
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3201 NW PARAGON PKWY

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PLUMBING HENDERSON **ENGINEERS** HENDERSON MECHANICAL **ENGINEERS** ELECTRICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON **ENGINEERS** CONTRACTOR FOGEL-ANDERSON

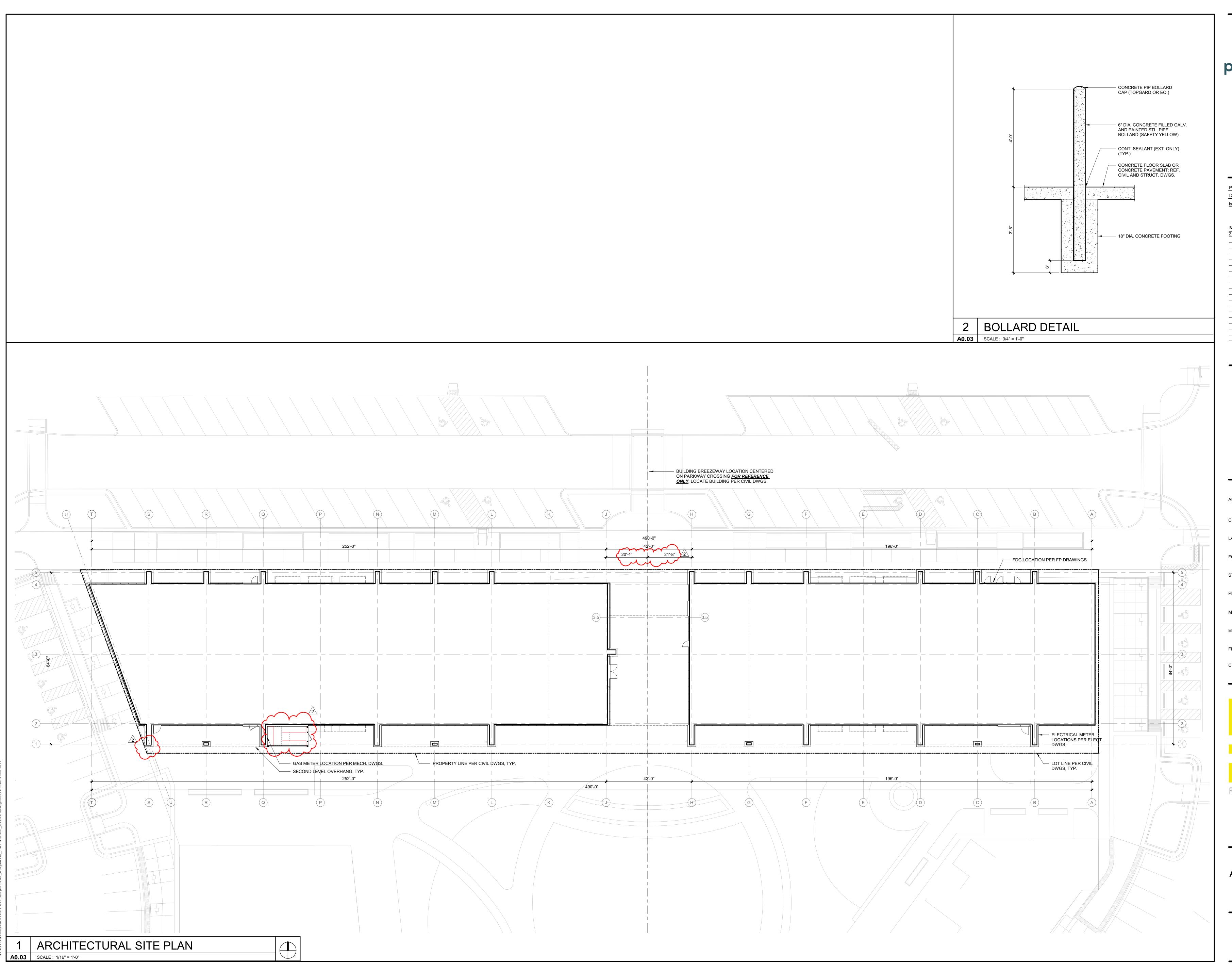
FINKLE + WILLIAMS

ARCHITECTURE 8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219

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SHEET TITLE

WALL TYPES





evelopment Services Departme Lee's Summit, Missouri 04/06/2023

PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 09.27.22

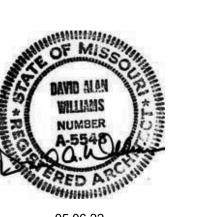
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ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON

ENGINEERS

FINKLE + WILLIAMS

ARCHITECTURE

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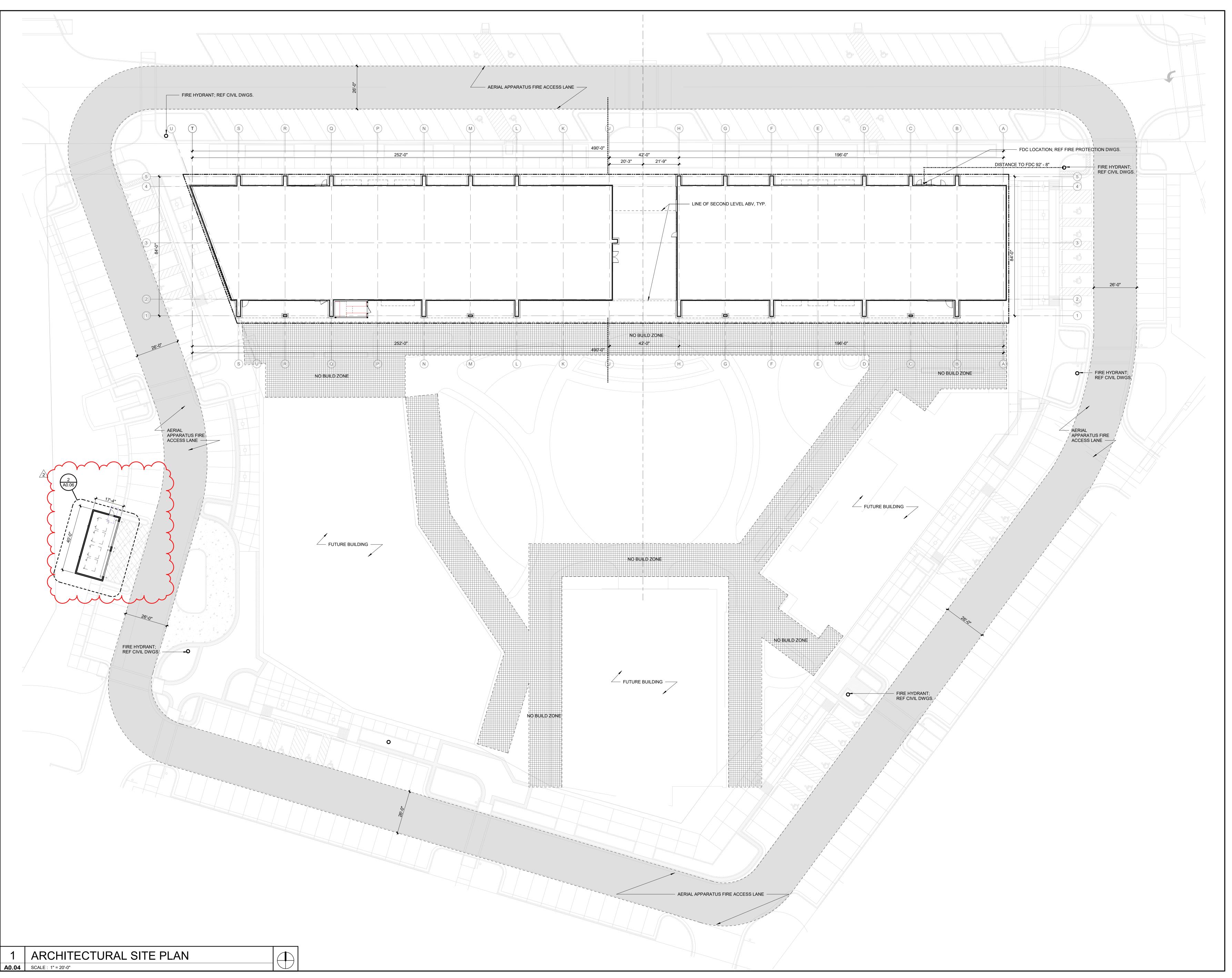
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SHEET TITLE

ARCHITECTURAL SITE PLAN

SHEET NUMBER

A0.03





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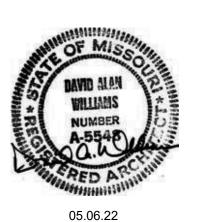
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ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL ENGINEERS

HENDERSON

PLUMBING HENDER ENGINE

ELECTRICAL HENDERSON

MECHANICAL

FIRE PROTECTION HENDERSON ENGINEERS

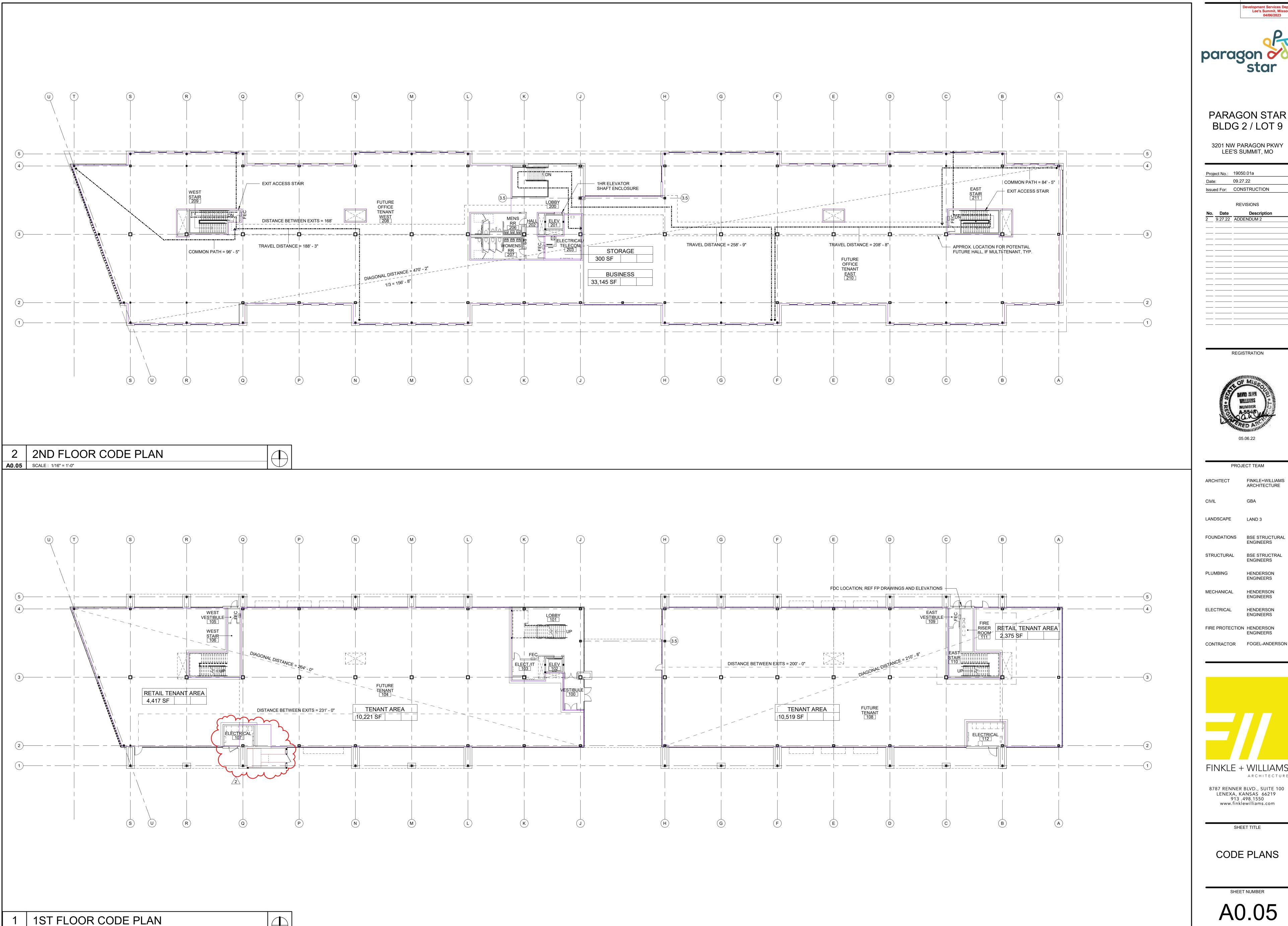
CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE

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SHEET TITLE

CODE SITE PLAN



A0.05 SCALE: 1/16" = 1'-0"



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LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

> BSE STRUCTRAL **ENGINEERS** HENDERSON **ENGINEERS**

MECHANICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON **ENGINEERS**

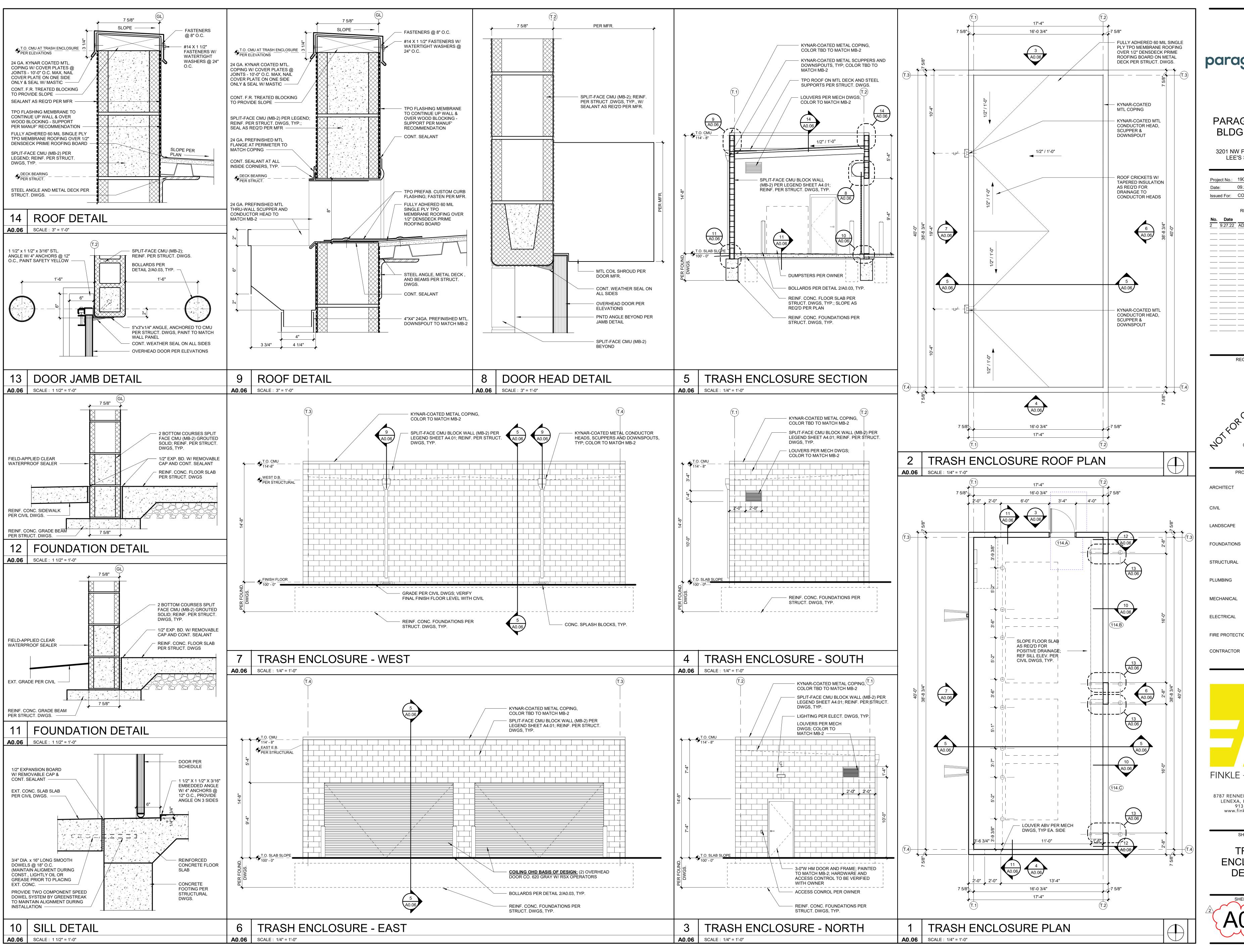
HENDERSON

ENGINEERS

FINKLE + WILLIAMS ARCHITECTURE 8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550

SHEET TITLE

CODE PLANS





Lee's Summit, Missouri

PARAGON STAR BLDG 2 / LOT 9

> 3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3

ENGINEERS STRUCTURAL BSE STRUCTRA **ENGINEERS** PLUMBING HENDERSON **ENGINEERS**

BSE STRUCTURAL

MECHANICAL HENDERSON **ENGINEERS** ELECTRICAL HENDERSON **ENGINEERS**

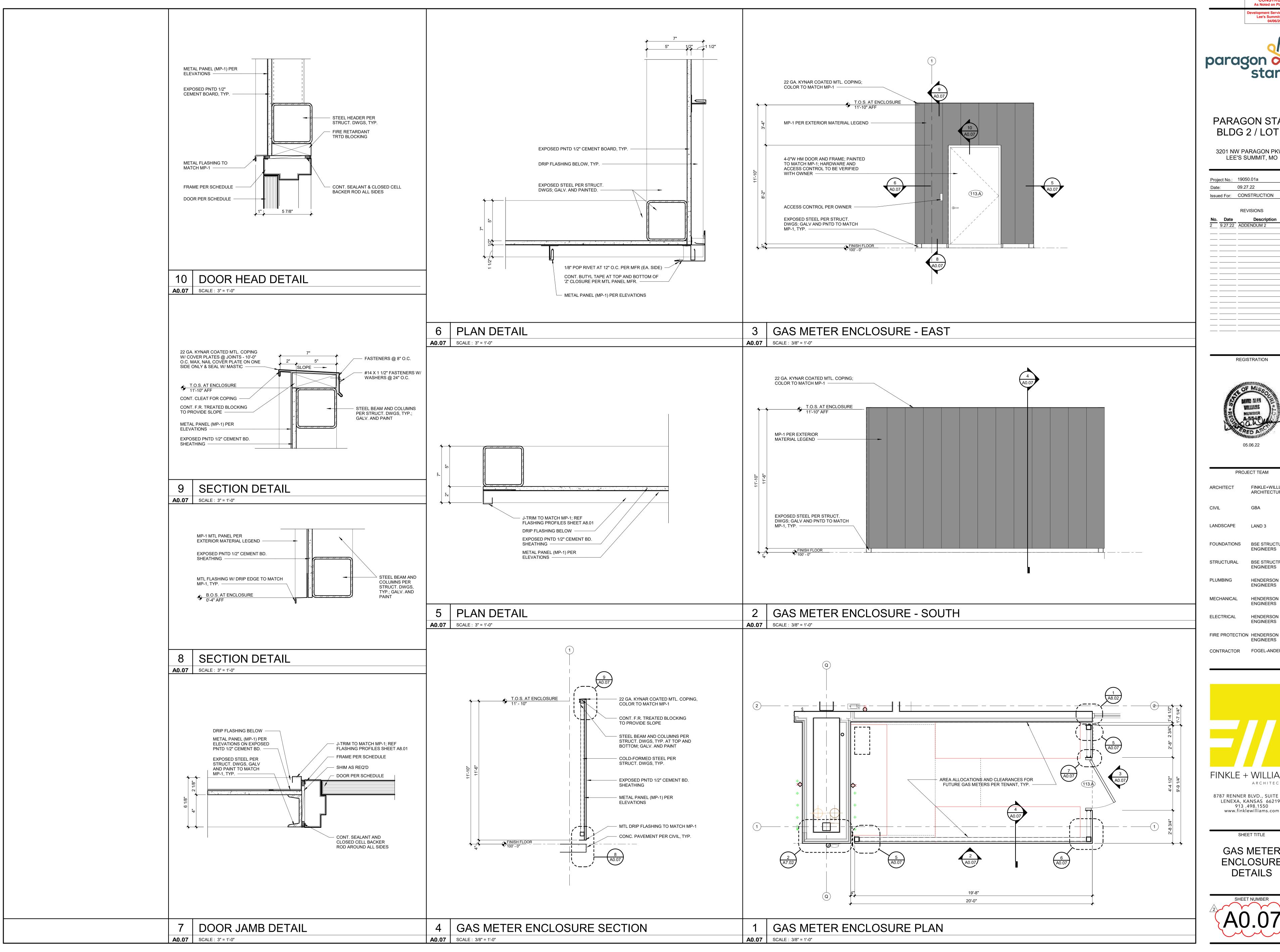
FIRE PROTECTION HENDERSON **ENGINEERS** CONTRACTOR FOGEL-ANDERSON

ARCHITECTURE 8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219

SHEET TITLE

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TRASH **ENCLOSURE DETAILS**







PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE

LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** BSE STRUCTRAL

ENGINEERS

HENDERSON **ENGINEERS** HENDERSON

HENDERSON **ENGINEERS**

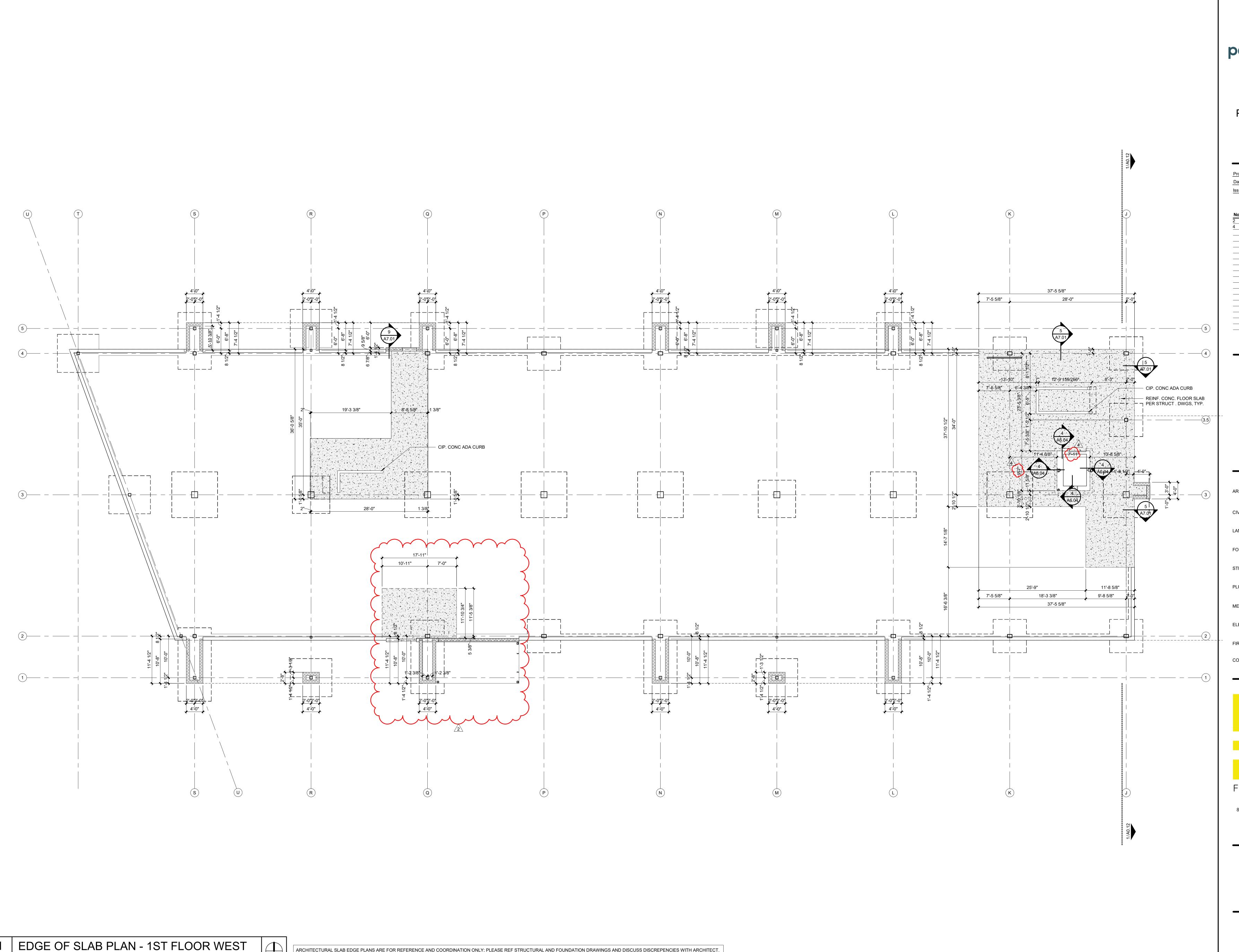
CONTRACTOR FOGEL-ANDERSON

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SHEET TITLE

GAS METER **ENCLOSURE** DETAILS



ARCHITECTURAL SLAB EDGE PLANS ARE FOR REFERENCE AND COORDINATION ONLY; PLEASE REF STRUCTURAL AND FOUNDATION DRAWINGS AND DISCUSS DISCREPENCIES WITH ARCHITECT.

A0.11 SCALE: 1/8" = 1'-0"



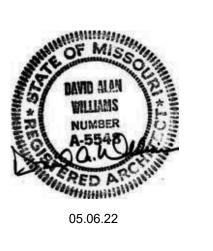
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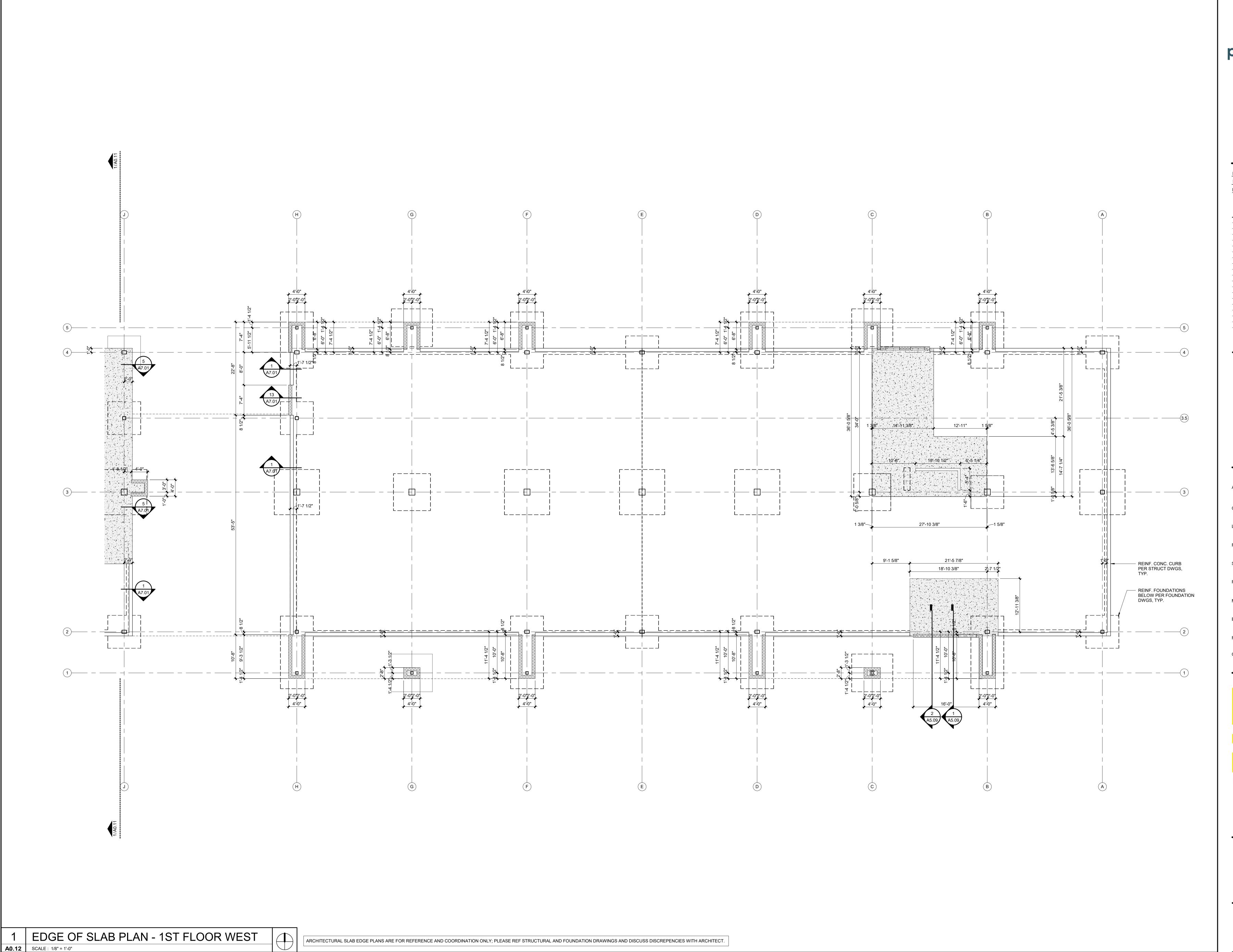


PROJE	CT TEAM
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTRAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL-ANDERSOL



SHEET TITLE

SLAB EDGE PLAN - 1ST FLOOR WEST





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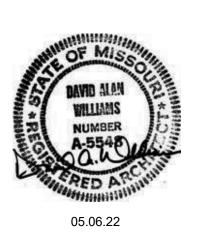
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CHITECT FINKLE+WILLIAMS
ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL

PLUMBING HENDERSON ENGINEERS

ENGINEERS

MECHANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS

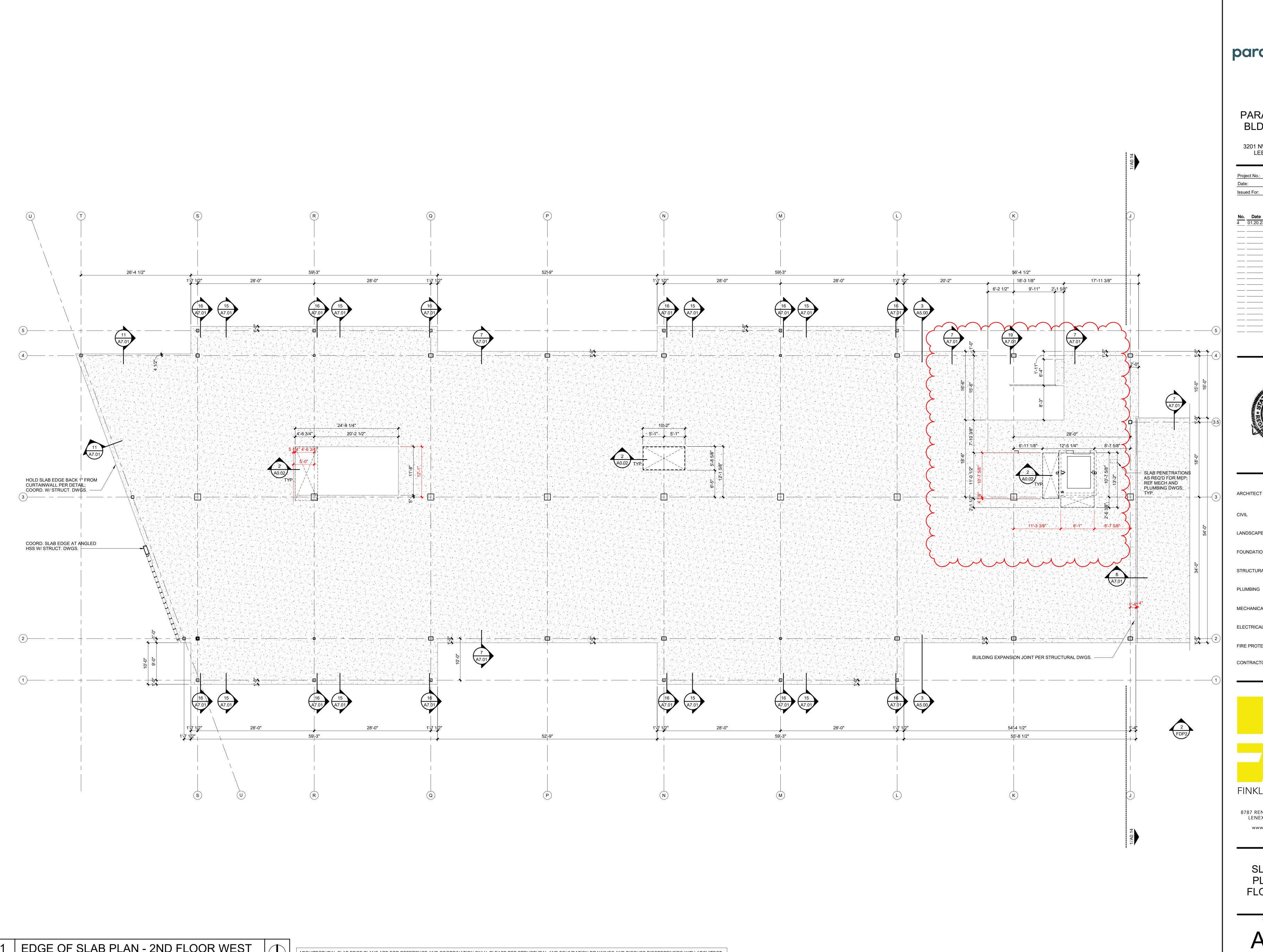
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ARCHITECTURE

SHEET TITLE

SLAB EDGE PLAN - 1ST FLOOR EAST

A0.12





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PROJECT TEAM FINKLE+WILLIAMS

ARCHITECTURE LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** HENDERSON

ENGINEERS

HENDERSON MECHANICAL **ENGINEERS** ELECTRICAL HENDERSON **ENGINEERS**

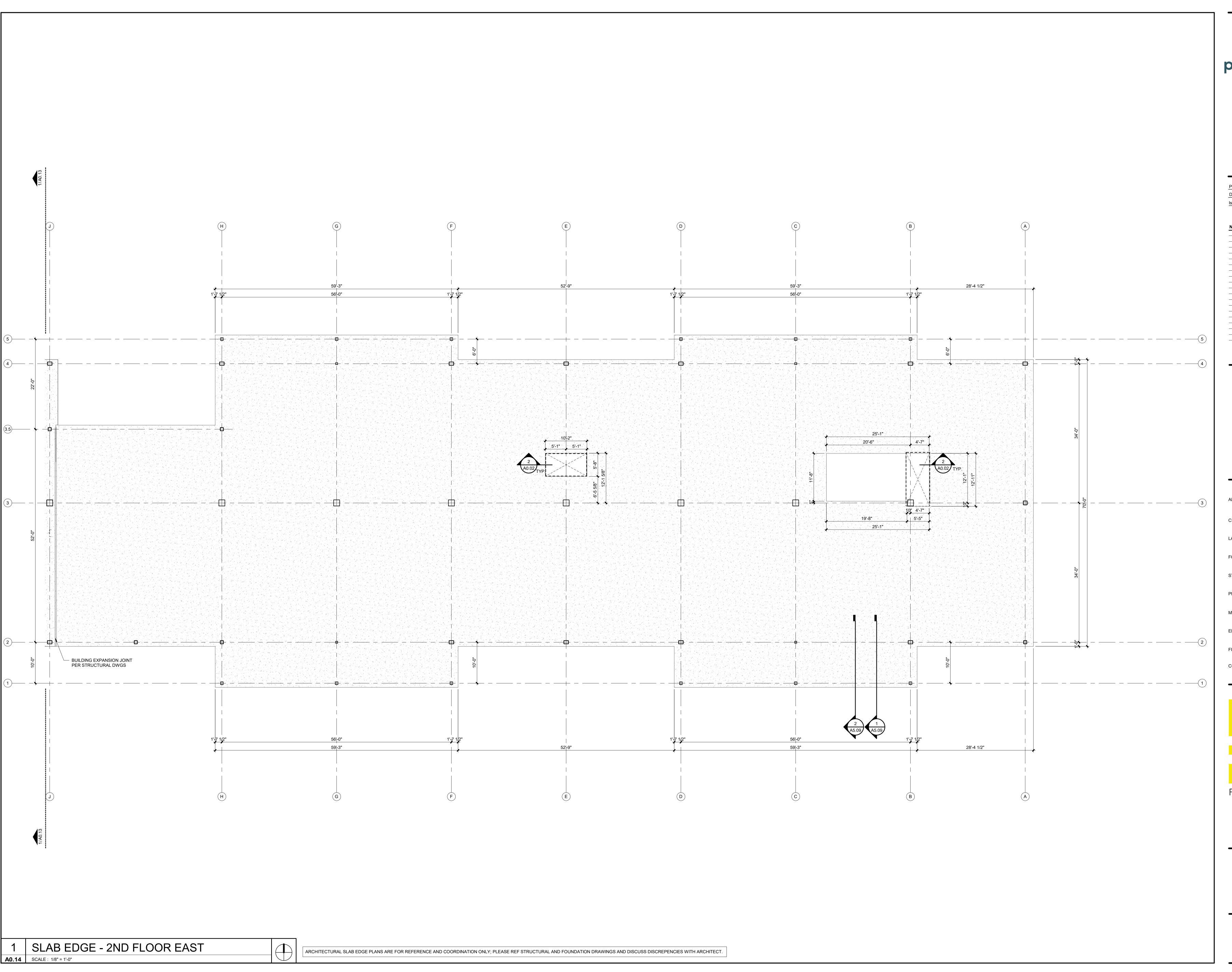
FIRE PROTECTION HENDERSON ENGINEERS CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS

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SHEET TITLE

SLAB EDGE PLAN - 2ND FLOOR WEST





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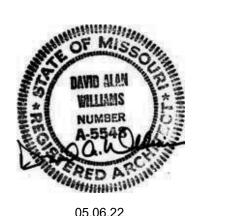
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REGISTRATION



PROJECT TEAM

RCHITECT FINKLE+WILLIAMS
ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL

STRUCTURAL BSE STRUCTRAL ENGINEERS

PLUMBING HENDERSON ENGINEERS

ENGINEERS

ENGINEERS

MECHANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON

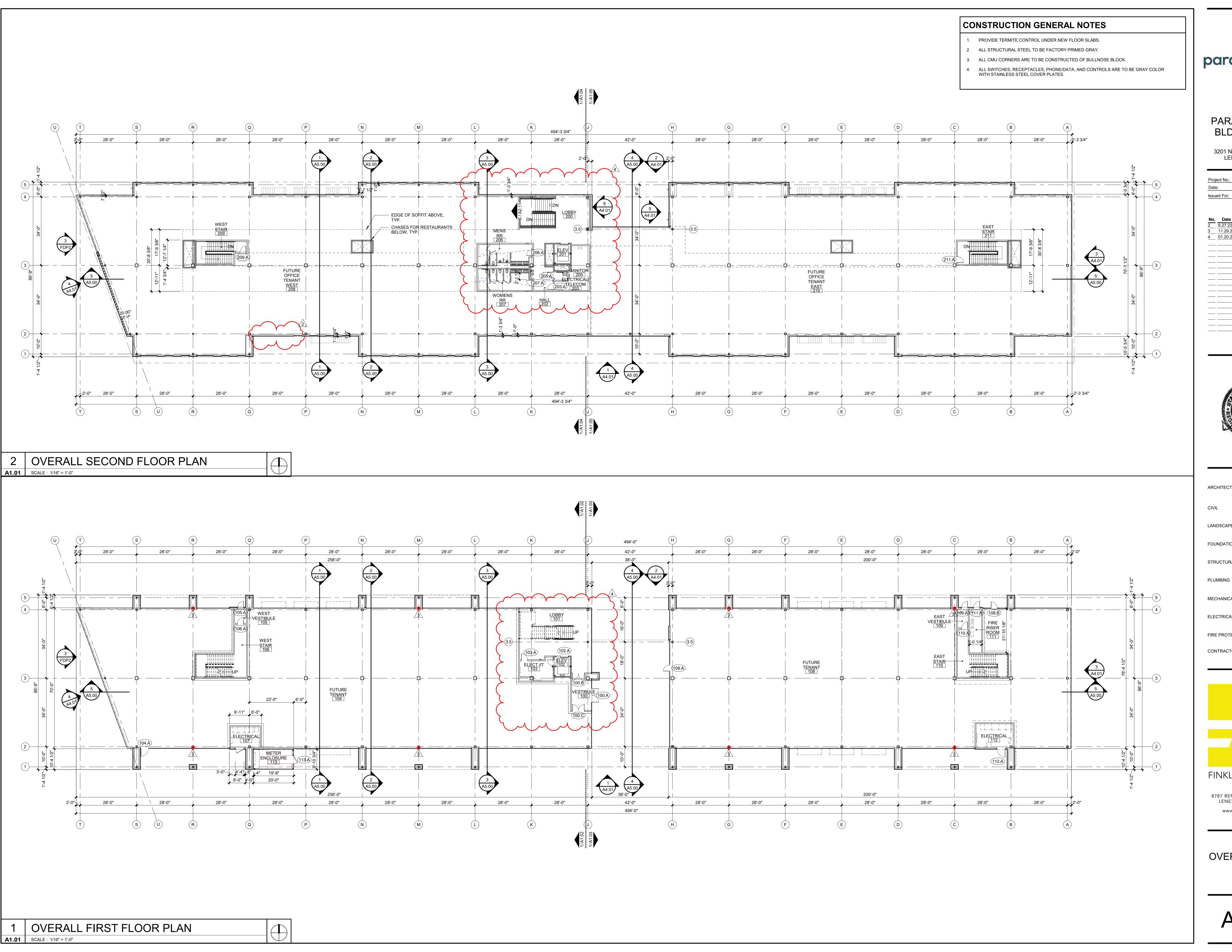
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SHEET TITLE

SLAB EDGE PLAN - 2ND FLOOR EAST





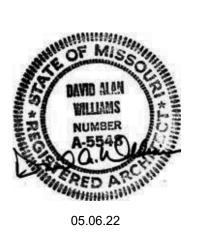


PARAGON STAR BLDG 2 / LOT 9

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Pioj	ect No.:	19030.014
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2 3 4	11.29.22	ADDENDUM 3
4	01.20.23	ASI-01
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CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL ENGINEERS

PROJECT TEAM

MECHANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON ENGINEERS

HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON



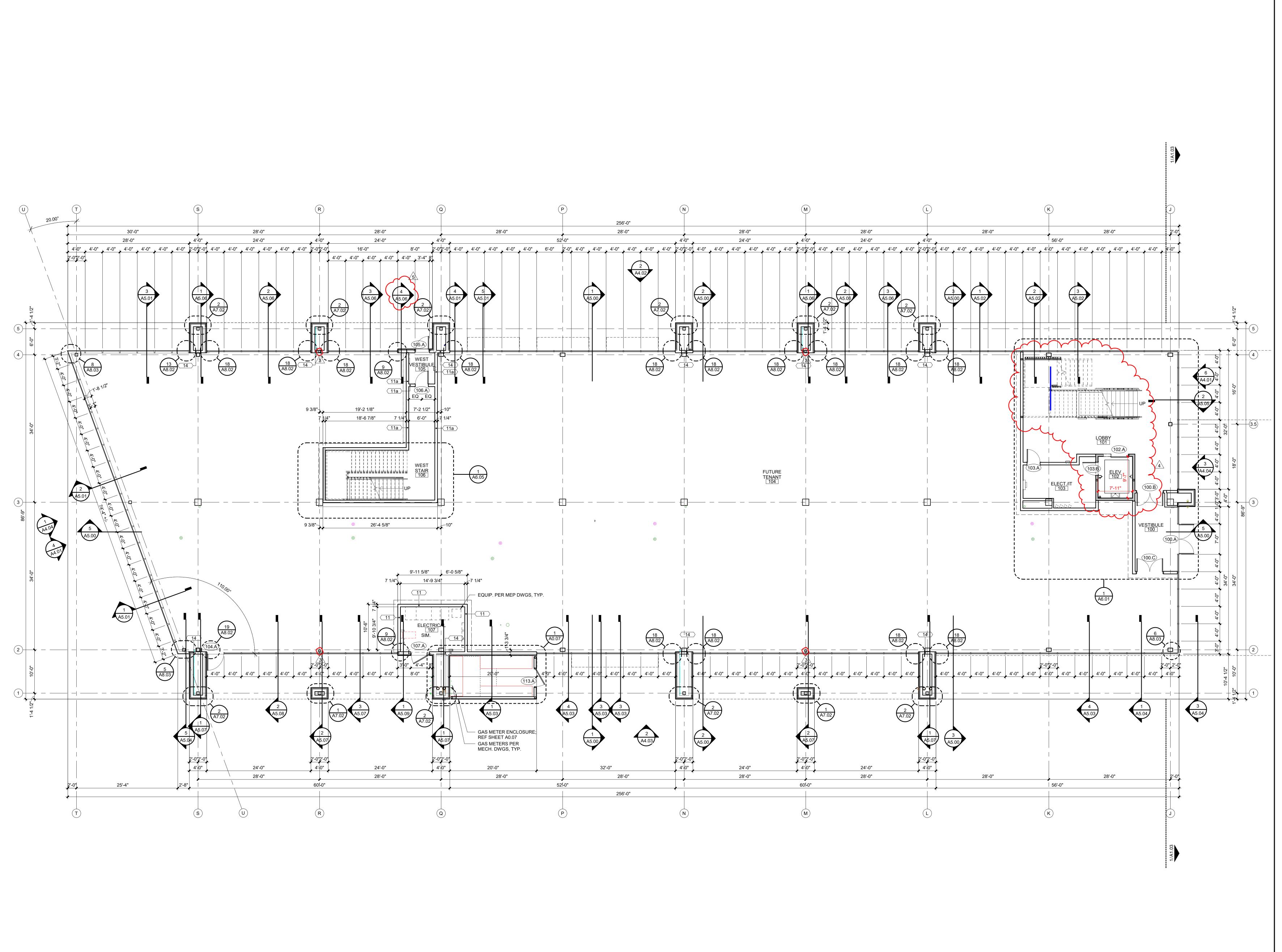
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SHEET TITLE

OVERALL FLOOR PLANS

A1.01



1ST FLOOR PLAN - WEST

A1.02 SCALE: 1/8" = 1'-0"



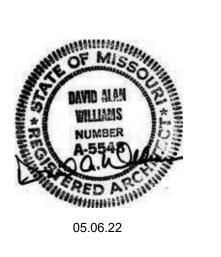
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3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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	5	02.01.23	ASI-02

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PROJE	CT TEAM
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTRAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL-ANDERSON

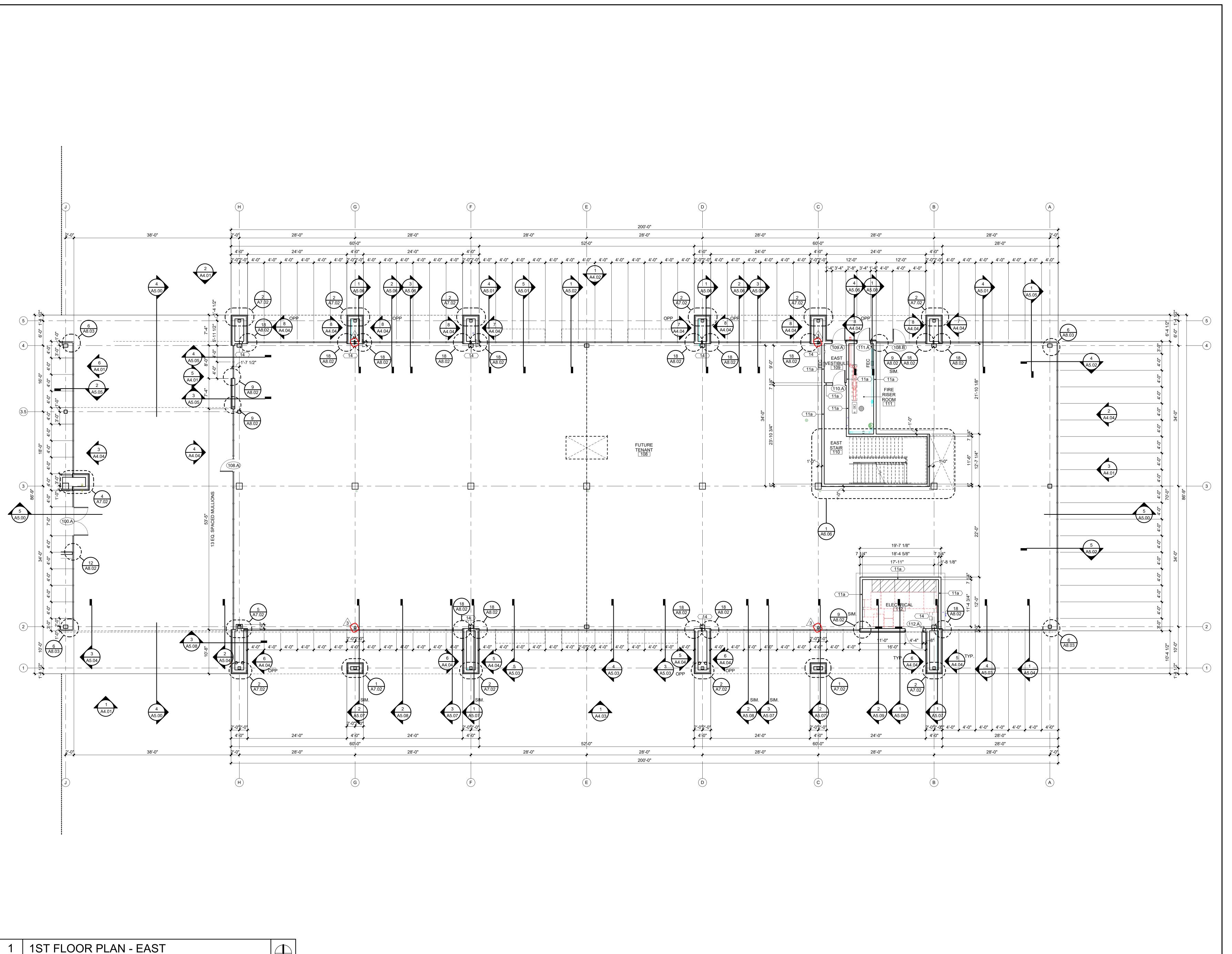


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SHEET TITLE

FIRST FLOOR PLAN -WEST

A1.02



A1.03 SCALE: 1/8" = 1'-0"



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PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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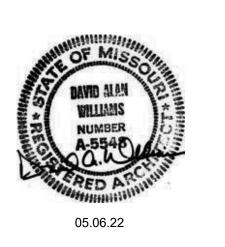
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PROJECT TEAM

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CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL

ENGINEERS

HENDERSON

ENGINEERS

HENDERSON
ENGINEERS

LECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON



ARCHITECTURE

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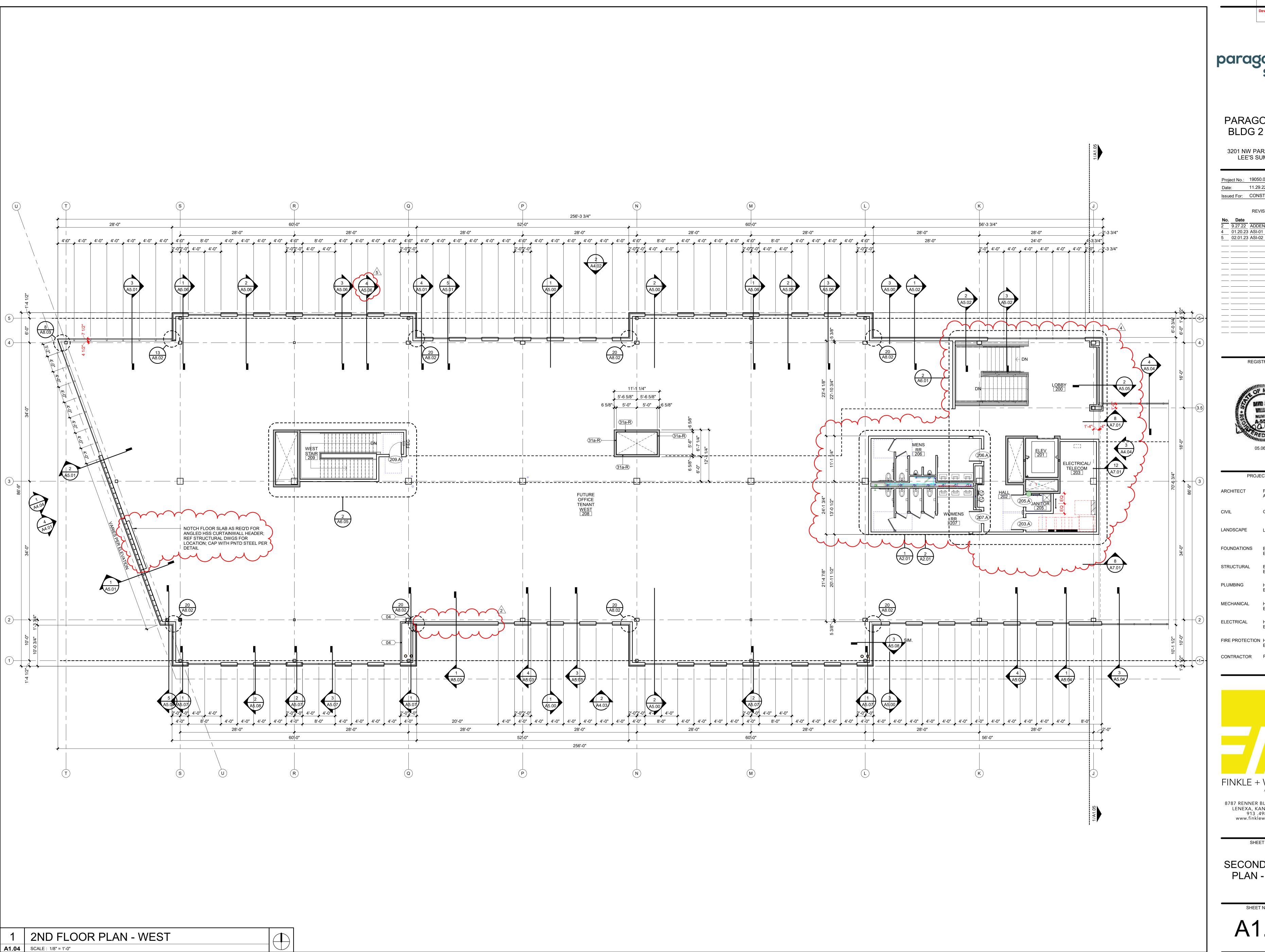
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SHEET TITLE

FIRST FLOOR PLAN - EAST

A1.03





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PROJECT TEAM FINKLE+WILLIAMS

LANDSCAPE

STRUCTURAL

ENGINEERS HENDERSON

ENGINEERS FIRE PROTECTION HENDERSON

CONTRACTOR FOGEL-ANDERSON

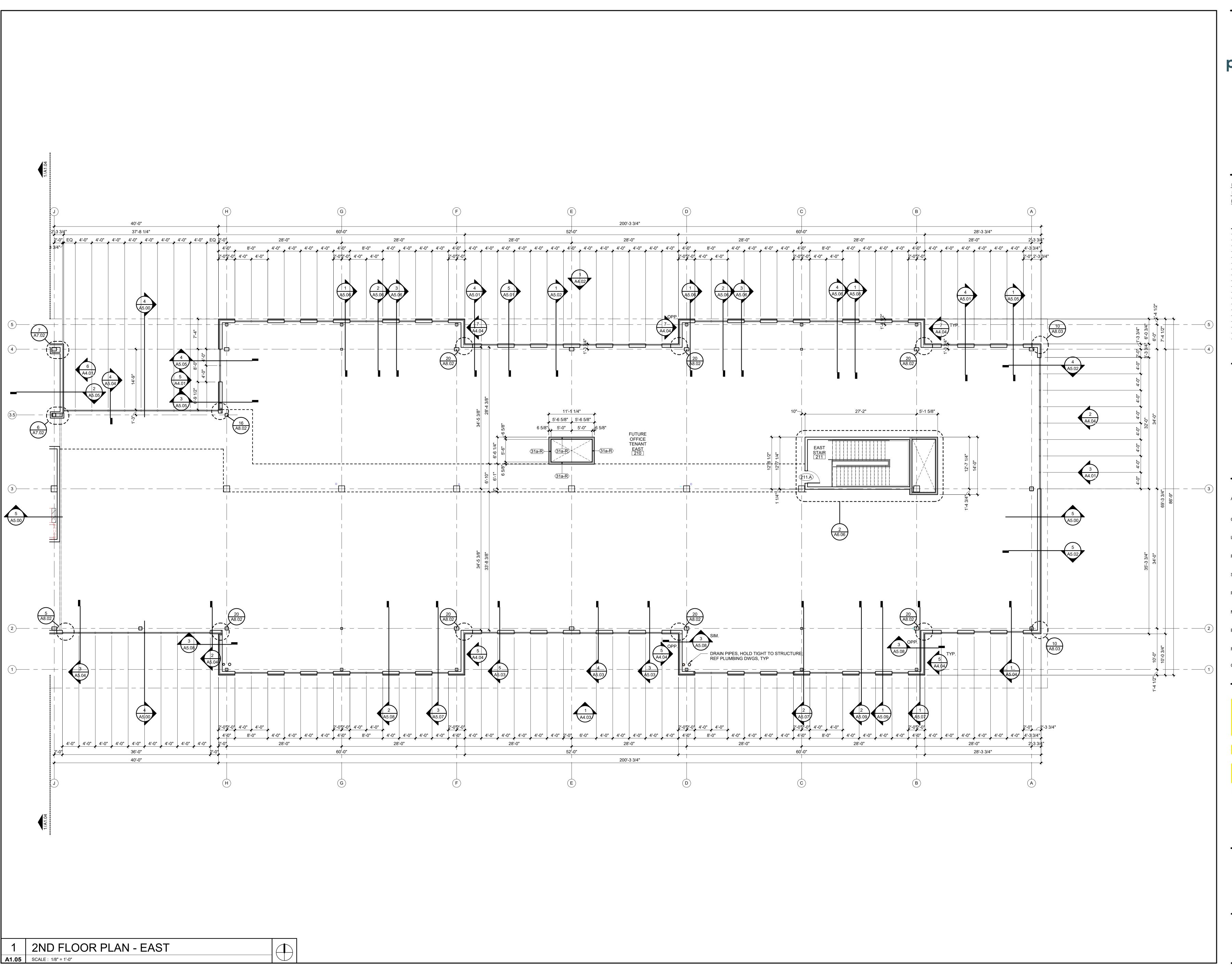


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SHEET TITLE

SECOND FLOOR PLAN - WEST

> SHEET NUMBER A1.04





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PROJECT TEAM

FINKLE+WILLIAMS
ARCHITECTURE

SCAPE LAND 3

TURAL BSE STRUCTRAL ENGINEERS

MECHANICAL HENDERSO ENGINEER:

FIRE PROTECTION HENDERSON

CONTRACTOR FOGEL-ANDERSON



ARCHITECTURE

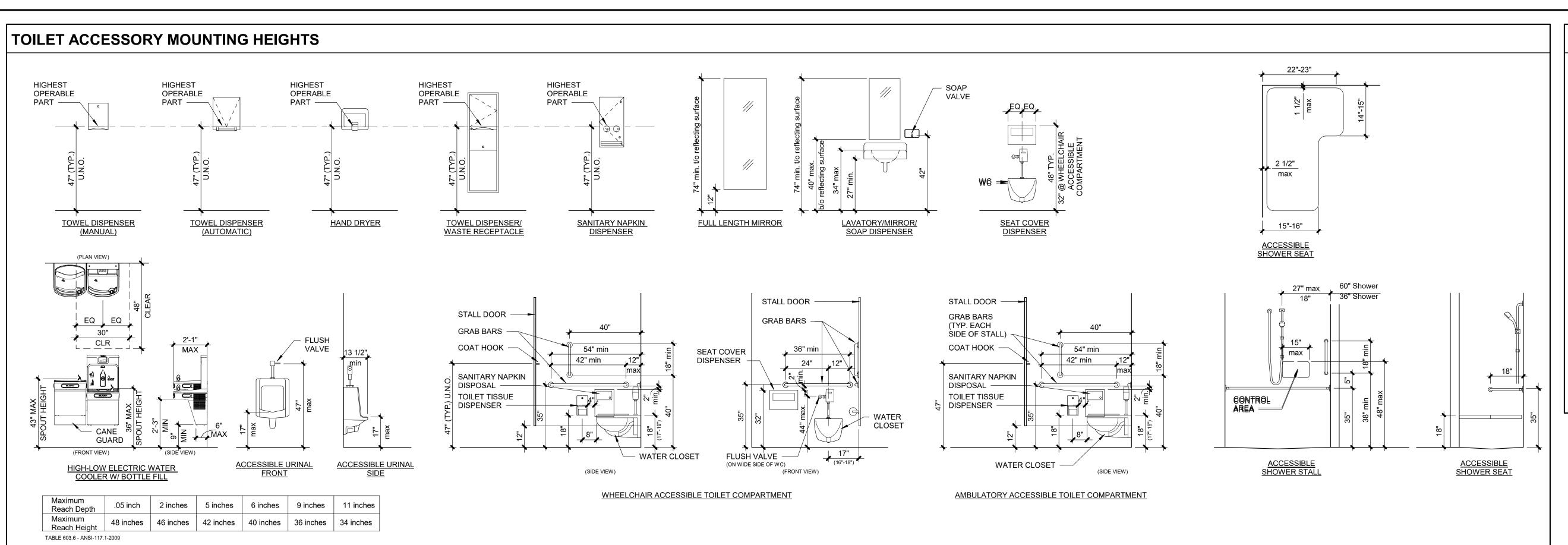
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SHEET TITLE

SECOND FLOOR PLAN - EAST

A1.05



| TOILET ACCESSORY / EQUIPMENT LEGEND

- ALL ACCESSORIES SHALL BE STAINLESS STEEL UNLESS NOTED OTHERWISE.
- ALL ACCESSORIES SHALL BE DESIGNED TO MEET ADA STANDARDS.

 (1) COMBINATION PAPER TOWEL DISPENSER/WASTE RECEPTACLE, RECESSED, MATTE BLACK FINISH (BOBRICK B-3803.MBLK)
- (2) UNDERMOUNT SINK KIT WITH WASHBAR (BRADLEY WB1-1B-ER1)
- (3) FRAMED MIRROR (24"W X 82"H). FRAME TO BE 2" WIDE, COLOR BLACK
- (3A) FRAMELESS MIRROR WITH POLISHED EDGES (24"W X 58"H)
- (4) MULTI-ROLL TOILET TISSUE DISPENSER W/NO KEYED LOCK (BOBRICK B-2888)
- 5 GRAB BARS AS SHOWN ON PLANS AND ELEVATIONS (BOBRICK B-6806 SERIES)
- (5A) GRAB BAR (BOBRICK B6806 X 42)
- LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
- (5B) GRAB BAR (BOBRICK B6806 X 36)
 LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
- (5B) GRAB BAR (BOBRICK B6806 X 18)

 LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
- (6) SANITARY NAPKIN DISPOSAL, RECESSED (BOBRICK B-353)
- (7) HI / LO ADA ACCESSIBLE DRINKING FOUNTAIN W/ BOTTLE FILL AND FILTER (ELKAY LZWS-LRPBM28K)
- 8 RUBBER TIPPED DOOR BUMBER (BOBRICK B-687)
- 9 COAT AND HAT HOOK (BOBRICK B-6827)
- (10) A.D.A. RESTROOM SIGNAGE, SEE SHEET A0.01
- 11) TOILET SEAT COVER DISPENSER (BOBRICK B-221)
- 12) BRADLEY WASHBAR WITH UNDERMOUNT SINK ACCESS PANEL (PWB SWING DOWN MATTE BLACK POWDER COATED STAINLESS STEEL). REF. MEP DRAWINGS FOR WASHBAR AND SINK SPECIFICATIONS

DAVID ALAM WILLIAMS NUMBER A-5548
05.06.22

REGISTRATION

CONSTRUCTION
As Noted on Plans Review

Lee's Summit, Missouri 04/06/2023

PARAGON STAR

BLDG 2 / LOT 9

3201 NW PARAGON PKWY

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ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

BSE STRUCTRAL ENGINEERS

PROJECT TEAM

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON

ELECTRICAL HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS

87 RENNER BLVD., SUITE 100

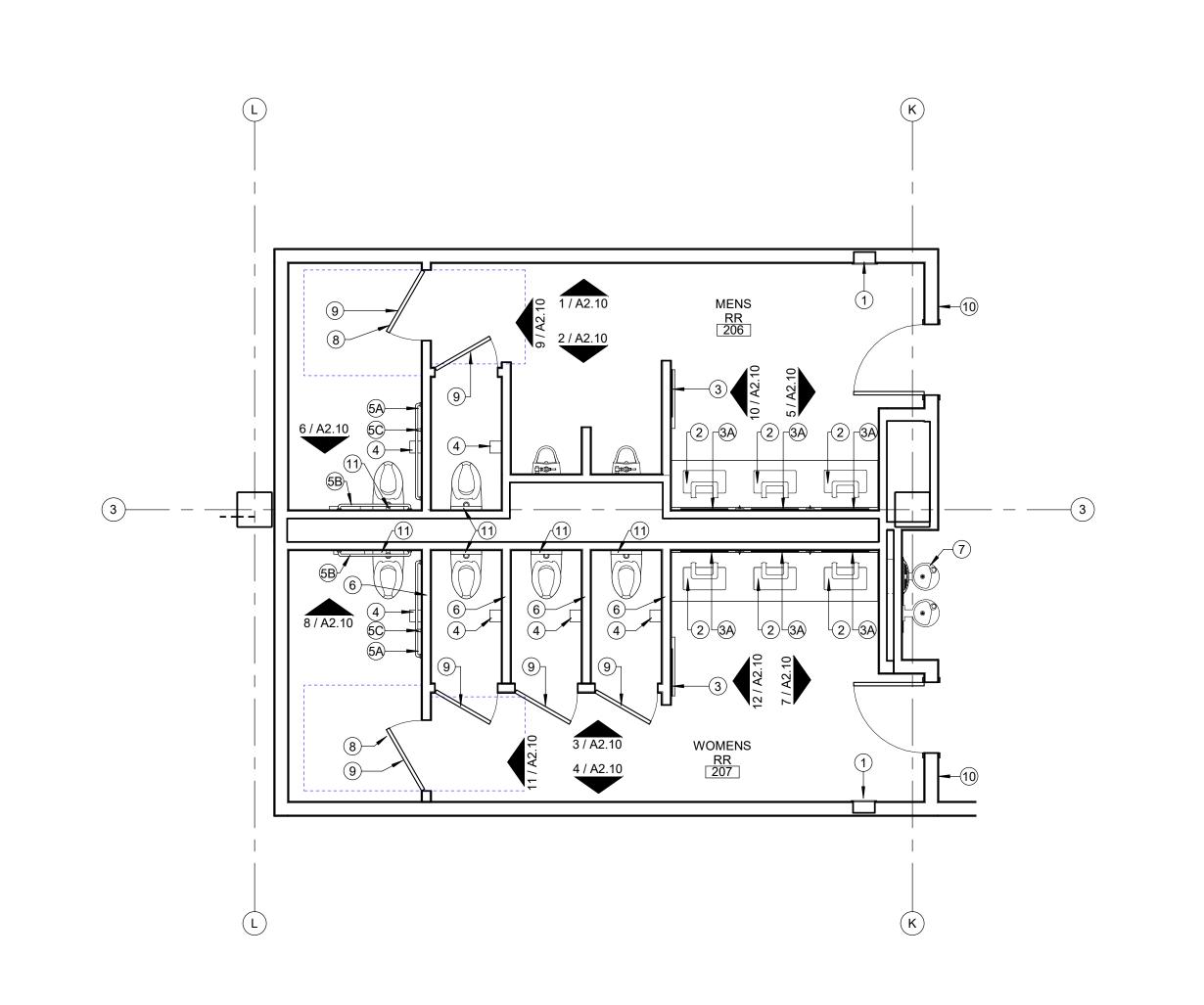
8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

ENLARGED TOILET PLANS AND DETAILS

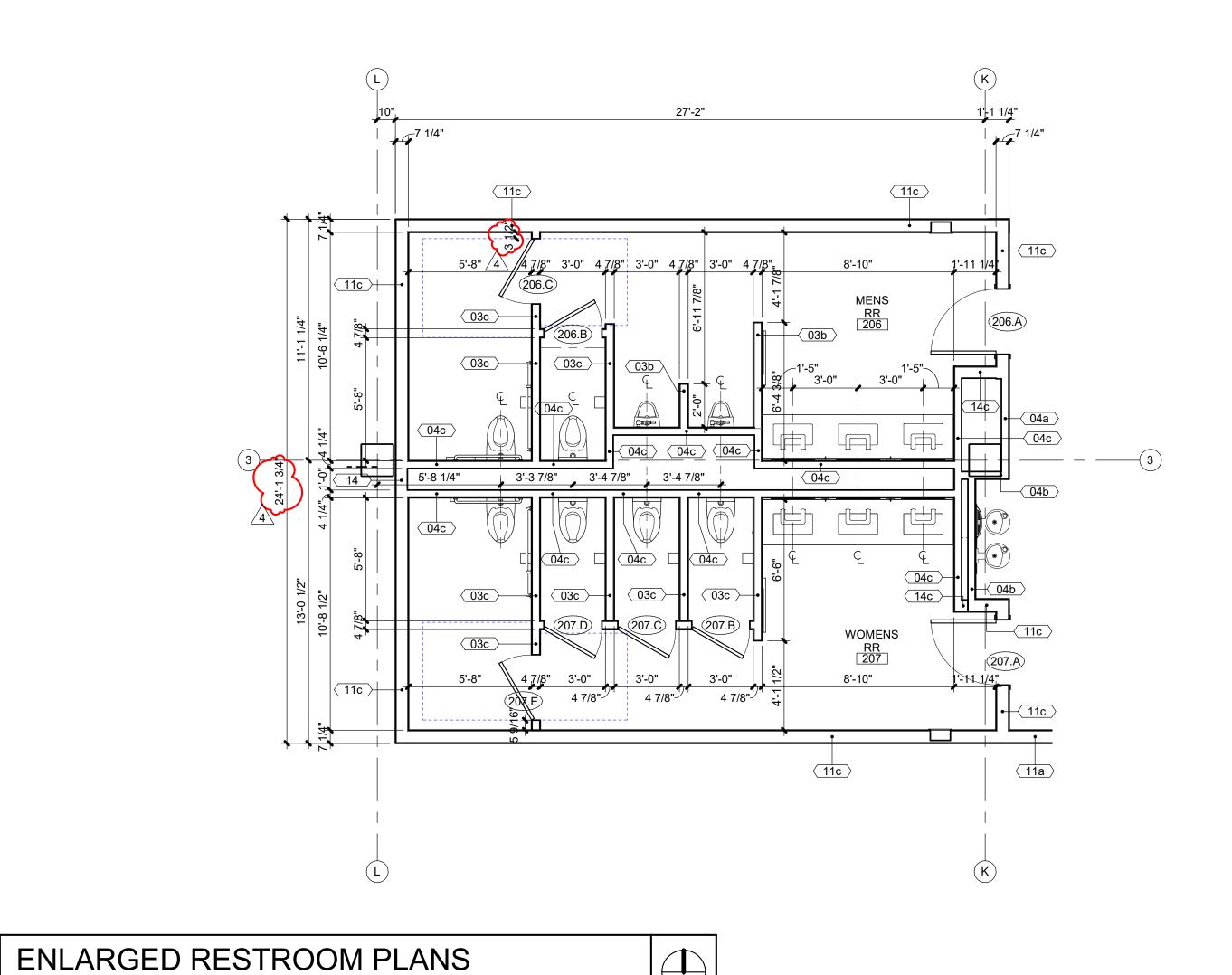
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SHEET NUMBER

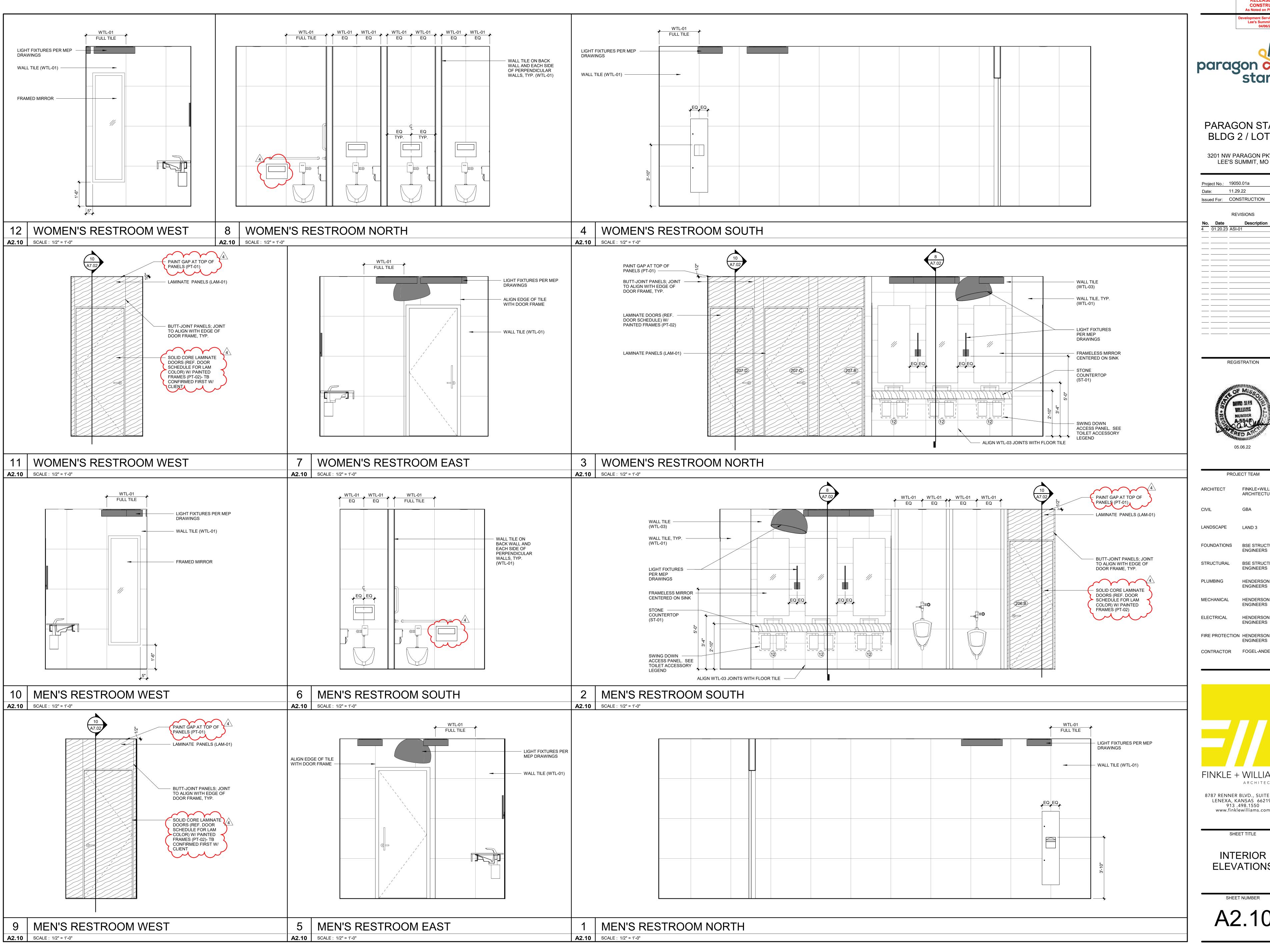


ENLARGED TOILET ACCESSORIES

A2.01 SCALE: 1/4" = 1'-0"



A2.01 SCALE: 1/4" = 1'-0"





Lee's Summit, Missouri 04/06/2023

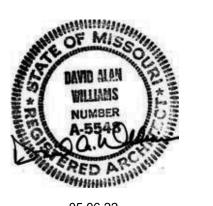
PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

Project No.: 19050.01a 11.29.22 Issued For: CONSTRUCTION REVISIONS

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE

LAND 3 LANDSCAPE

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

BSE STRUCTRAL STRUCTURAL **ENGINEERS** HENDERSON

ENGINEERS MECHANICAL HENDERSON

ELECTRICAL HENDERSON **ENGINEERS**

CONTRACTOR FOGEL-ANDERSON

ENGINEERS

FINKLE + WILLIAMS

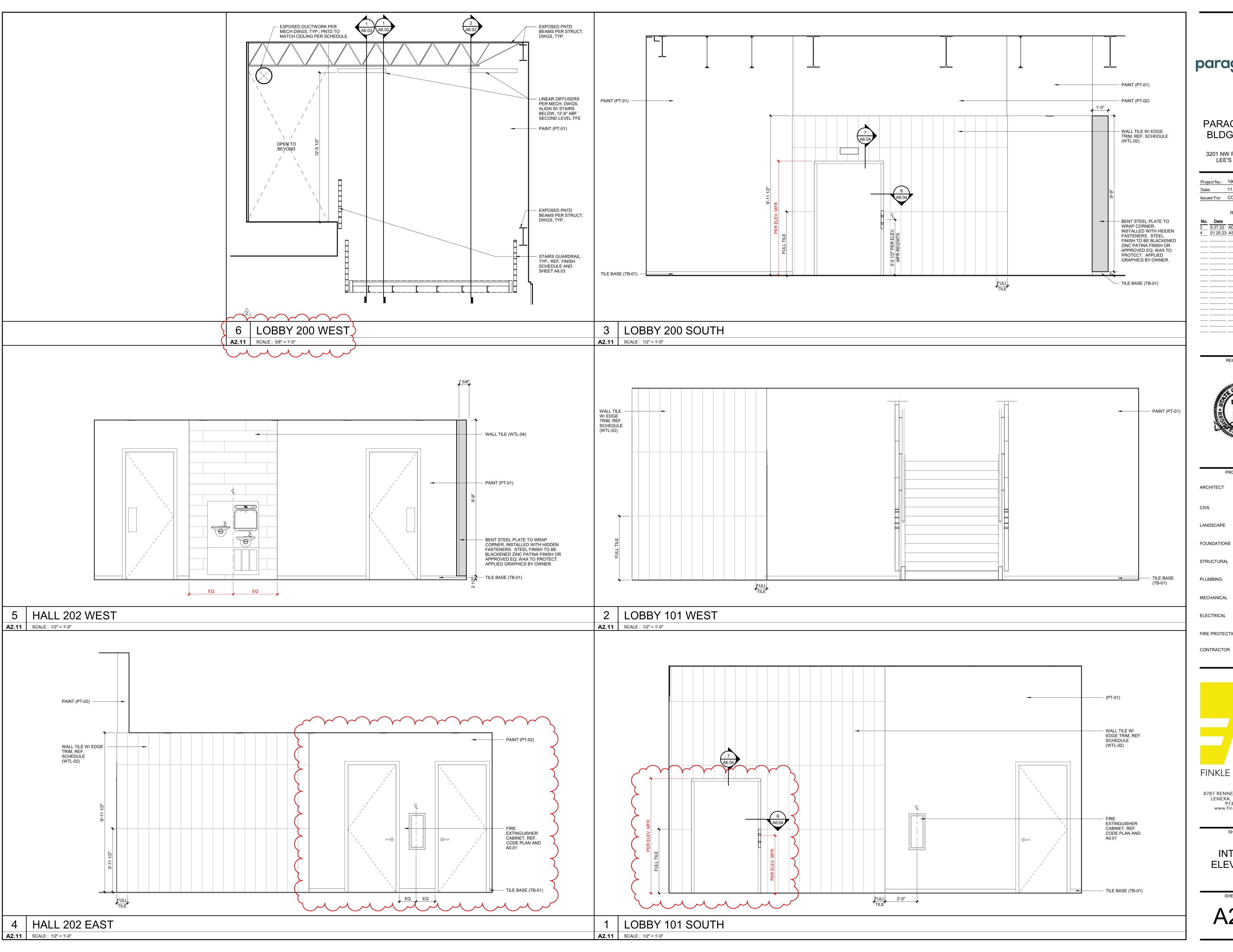
ARCHITECTURE

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SHEET TITLE

INTERIOR **ELEVATIONS**

SHEET NUMBER A2.10





evelopment Services Departme Lee's Summit, Missouri 04/06/2023



PARAGON STAR BLDG 2 / LOT 9

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REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE

CIVIL LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS**

MECHANICAL HENDERSON ELECTRICAL HENDERSON

ENGINEERS

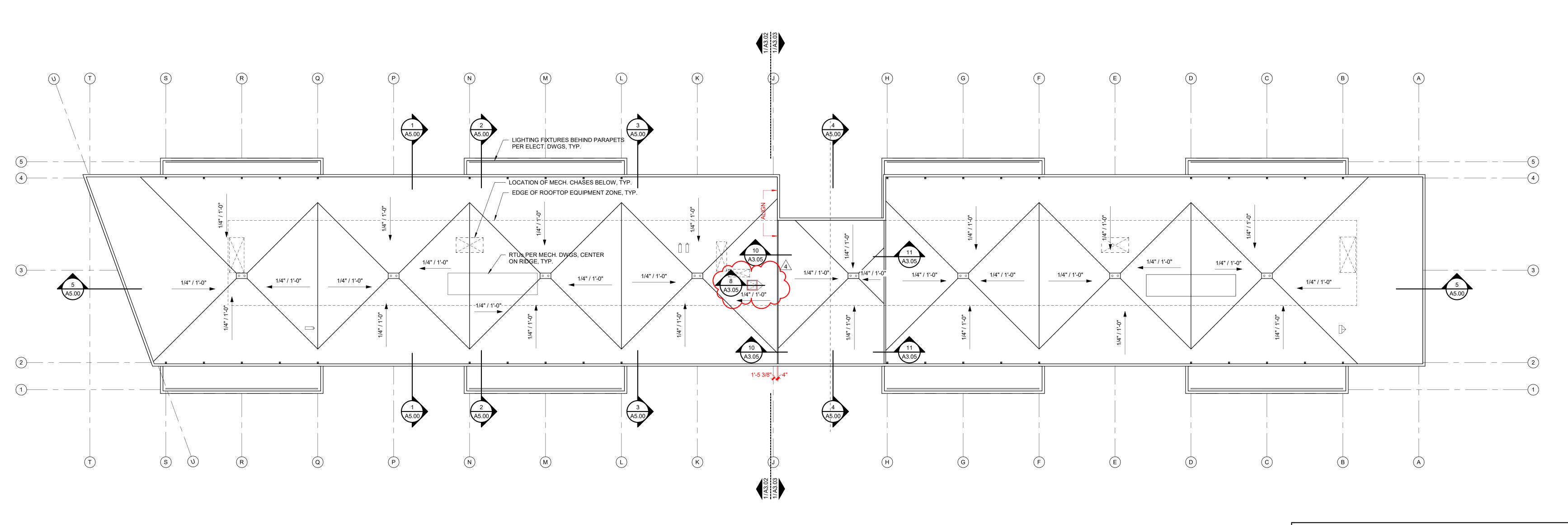
FIRE PROTECTION HENDERSON ENGINEERS CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS ARCHITECTURE

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SHEET TITLE

INTERIOR **ELEVATIONS**



ROOF PLAN GENERAL NOTES

- THE SINGLE PLY ROOF SHALL BE TPO, 60 MIL, WHITE MEMBRANE, FULLY ADHERED, W/A 20 YEAR NO DOLLAR LIMIT MANUFACTURER'S WARRANTY.
- ROOF DRAINS ARE TO BE COLLECTED UNDERGROUND AND CONTINUED PER CIVIL ENGINEERING PLANS.
- 3. SEE SHEET A3.05 FOR TYPICAL ROOF DETAILS.
- 4. SEE PLUMBING AND MECHANICAL PLANS FOR ROOF TOP EQUIPMENT AND PENETRATION LOCATIONS.

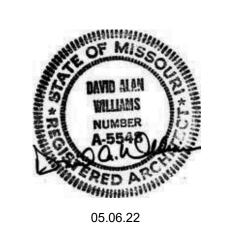
CONSTRUCTION
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PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

STRUCTURAL BSE STRUCTRAL **ENGINEERS**

ENGINEERS MECHANICAL HENDERSON ELECTRICAL HENDERSON

HENDERSON

ENGINEERS

PLUMBING

FIRE PROTECTION HENDERSON ENGINEERS CONTRACTOR FOGEL-ANDERSON



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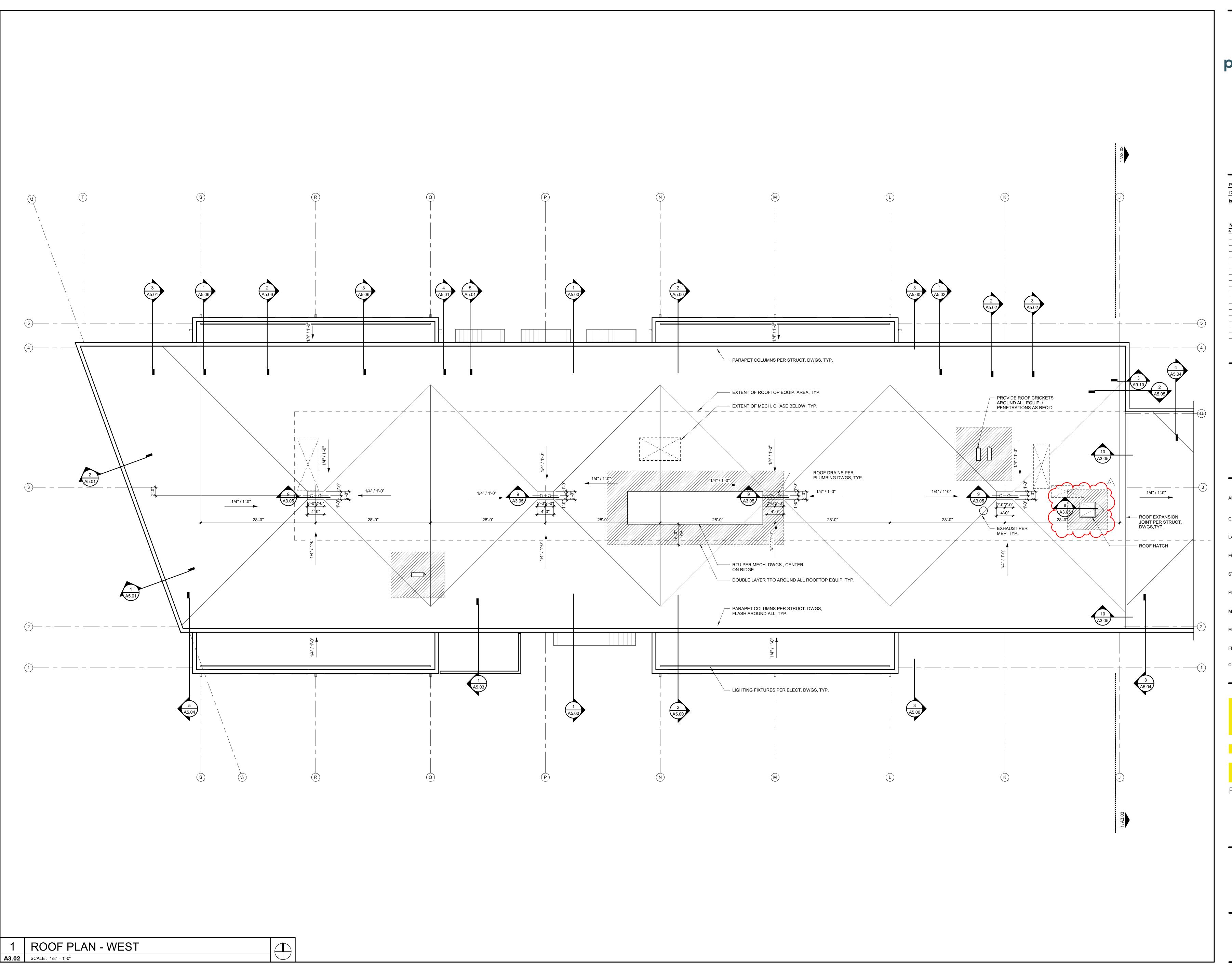
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SHEET TITLE

OVERALL ROOF PLAN

SHEET NUMBER

3 OVERALL ROOF PLAN **A3.01** SCALE: 1/16" = 1'-0"





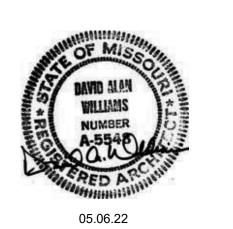
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Project No.:	19050.01a
Date:	11.29.22
Issued For:	CONSTRUCTION
	REVISIONS
No. Date	Description
No. Date 01.20.23	· — — · — — · — — — — — — — — — — — — —
	· — — — — — — — — — — — — — — — — — — —

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PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON ENGINEERS CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS

ARCHITECTURE

8787 RENNER BLVD., SUITE 100

LENEXA, KANSAS 66219

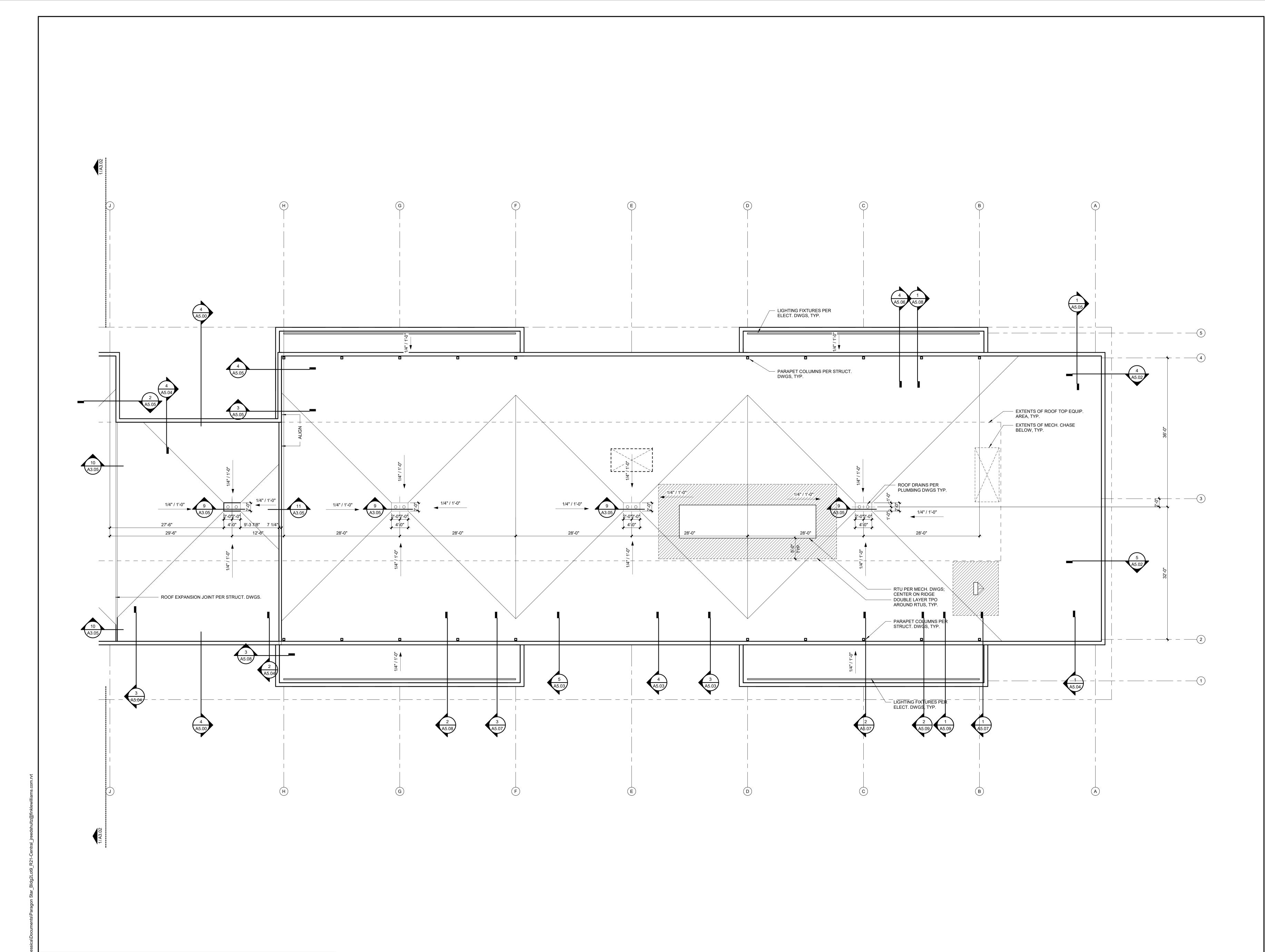
913 .498.1550

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SHEET TITLE

ROOF PLAN -WEST

A3.02



ROOF PLAN - EAST

A3.03 SCALE: 1/8" = 1'-0"



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PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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Date):	09.27.22
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REGISTRATION



PROJECT TEAM

ELECTRICAL

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTRAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS

HENDERSON **ENGINEERS**



FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON

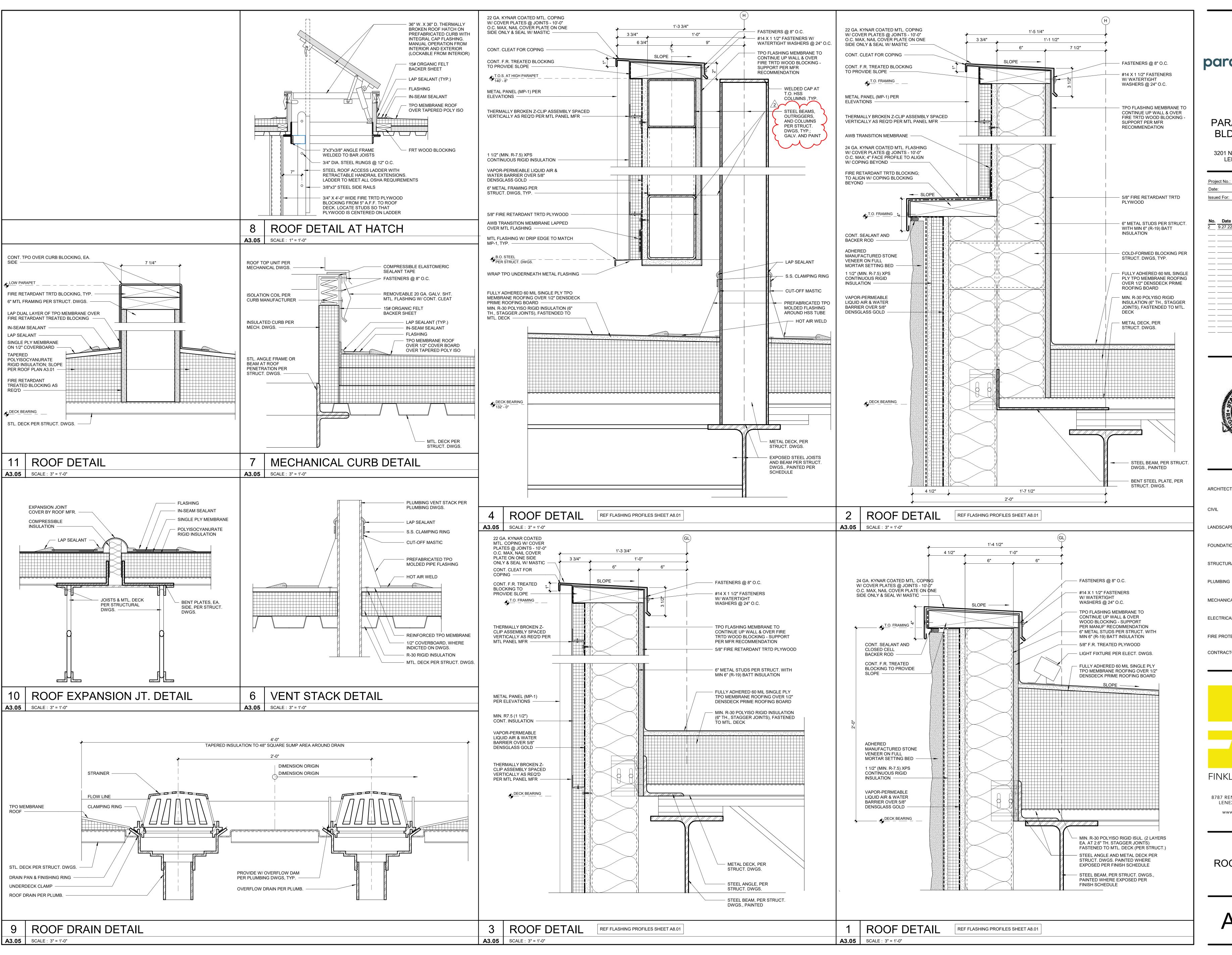
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SHEET TITLE

ROOF PLAN -EAST

SHEET NUMBER A3.03





Lee's Summit, Missouri

PARAGON STAR BLDG 2 / LOT 9

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PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

STRUCTURAL BSE STRUCTRA **ENGINEERS** HENDERSON

ENGINEERS MECHANICAL HENDERSON **ENGINEERS**

HENDERSON ELECTRICAL **ENGINEERS** FIRE PROTECTION HENDERSON

ENGINEERS CONTRACTOR FOGEL-ANDERSON

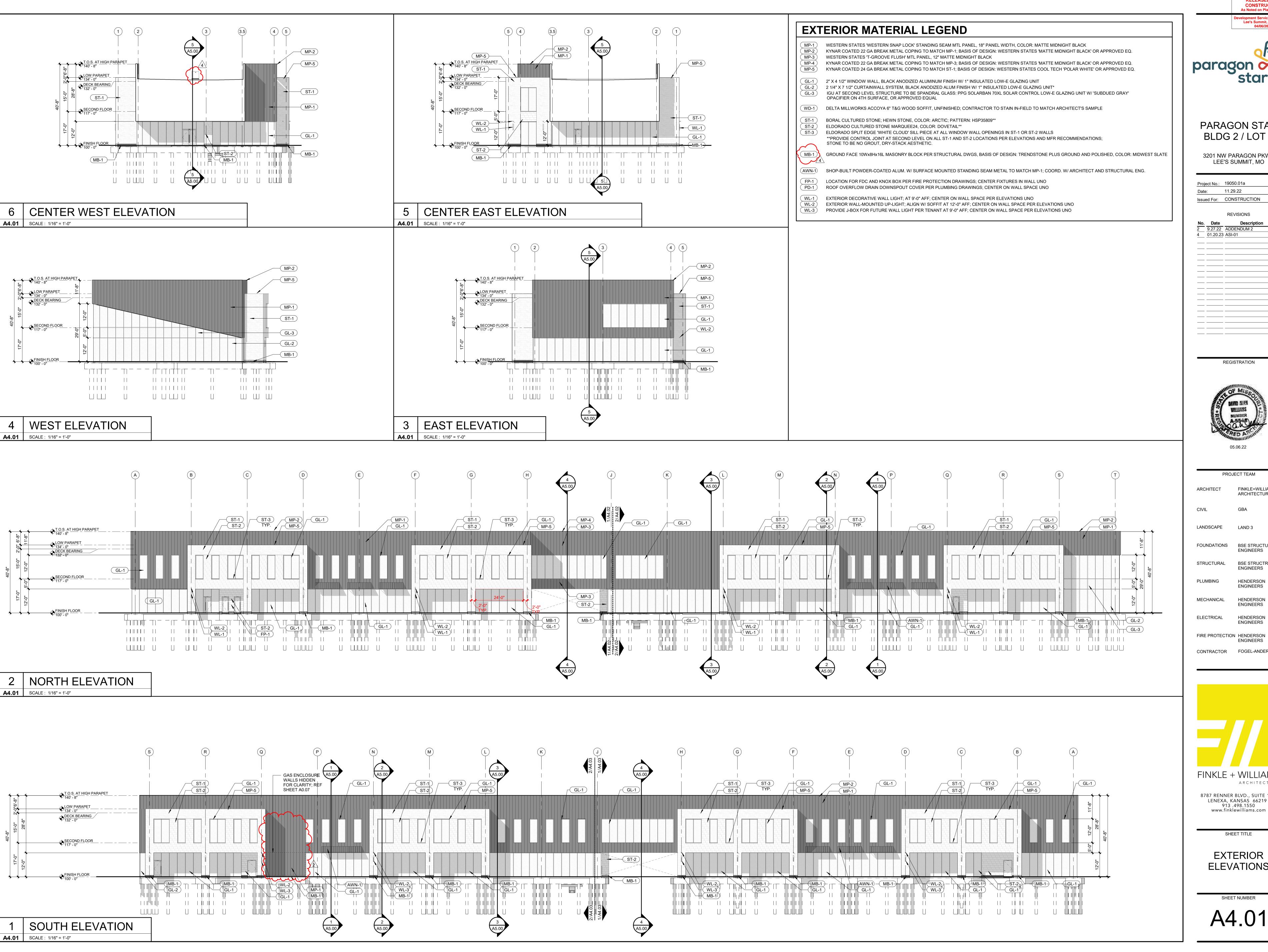
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SHEET TITLE

ROOF DETAILS

SHEET NUMBER A3.05



PARAGON STAR BLDG 2 / LOT 9

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PROJECT TEAM FINKLE+WILLIAMS

FOUNDATIONS BSE STRUCTURAL

BSE STRUCTRAL **ENGINEERS**

HENDERSON **ENGINEERS** HENDERSON

HENDERSON

CONTRACTOR FOGEL-ANDERSON

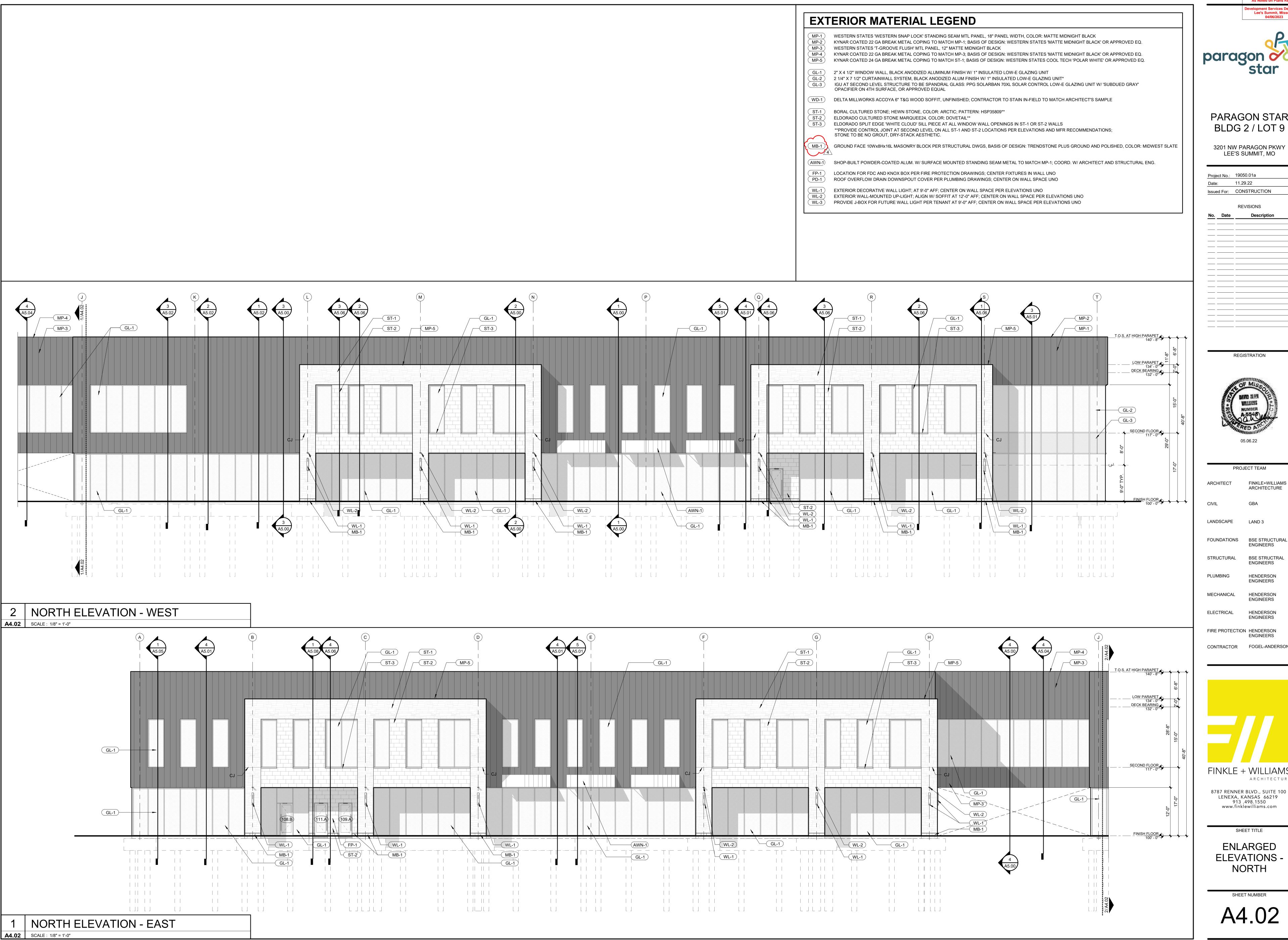
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SHEET TITLE

EXTERIOR ELEVATIONS







PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY

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PROJECT TEAM FINKLE+WILLIAMS

FOUNDATIONS BSE STRUCTURAL

HENDERSON **ENGINEERS**

BSE STRUCTRAL **ENGINEERS**

HENDERSON

ELECTRICAL HENDERSON **ENGINEERS**

CONTRACTOR FOGEL-ANDERSON

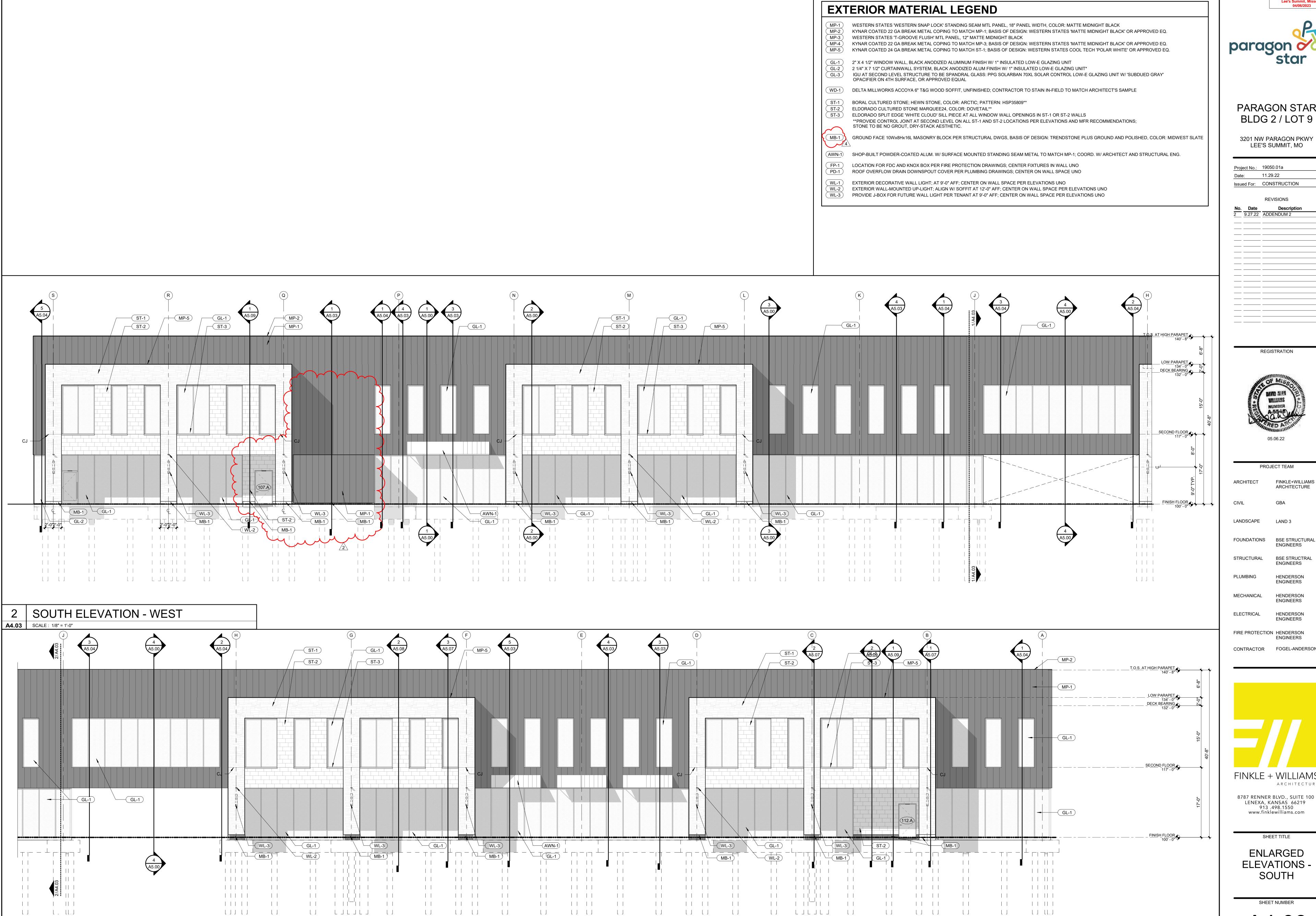


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SHEET TITLE

ENLARGED **ELEVATIONS -**NORTH



SOUTH ELEVATION - EAST

A4.03 SCALE: 1/8" = 1'-0"



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As Noted on Plans Review

PARAGON STAR

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PROJECT TEAM FINKLE+WILLIAMS

FOUNDATIONS BSE STRUCTURAL

BSE STRUCTRAL **ENGINEERS**

HENDERSON **ENGINEERS**

HENDERSON HENDERSON

FIRE PROTECTION HENDERSON

CONTRACTOR FOGEL-ANDERSON

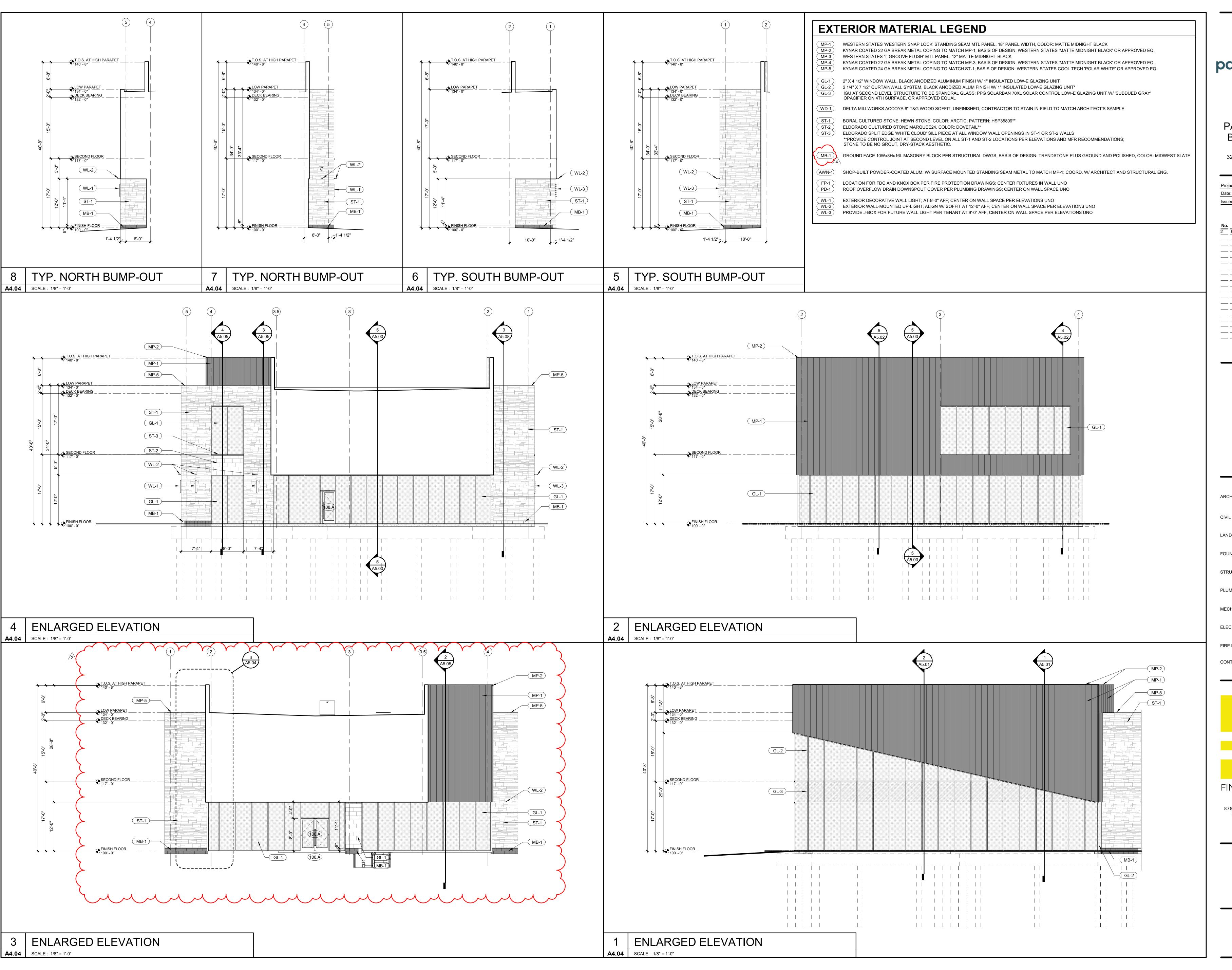
ENGINEERS

FINKLE + WILLIAMS ARCHITECTURE

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SHEET TITLE

ENLARGED **ELEVATIONS -**SOUTH



Lee's Summit, Missouri 04/06/2023

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REGISTRATION

DAVID ALAM
WILLIAMS
NUMBER
A-5548

PROJECT TEAM

GBA

FINKLE+WILLIAMS

CAPE LAND 3

DATIONS BSE STRUCTURAI ENGINEERS

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ECTRICAL HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON

HENDERSON

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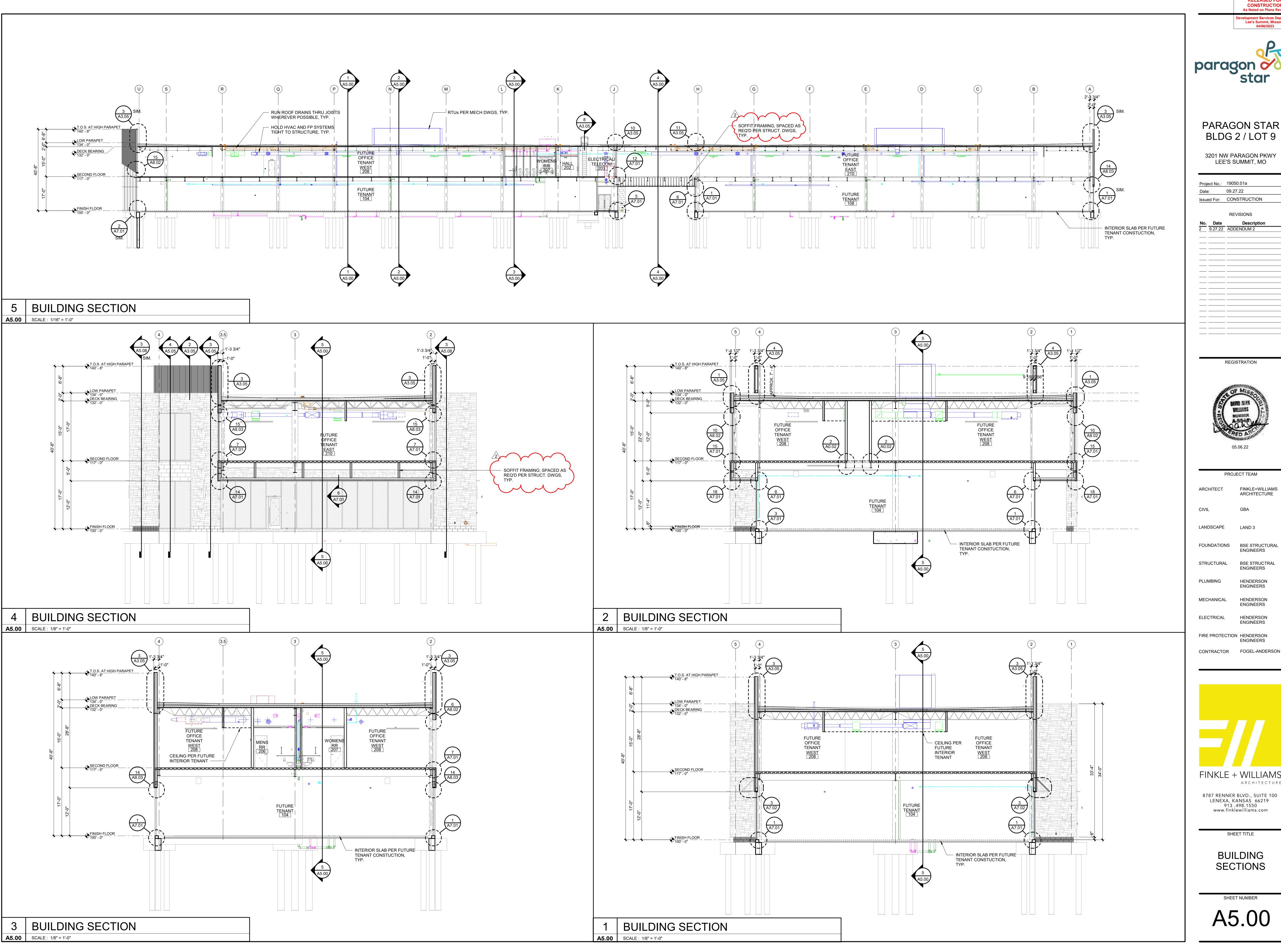
FINKLE + WILLIAMS
ARCHITECTURE

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SHEET TITLE

ENLARGED ELEVATIONS

A4.04





PARAGON STAR BLDG 2 / LOT 9

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PROJECT TEAM FINKLE+WILLIAMS

LANDSCAPE LAND 3

ENGINEERS BSE STRUCTRAL STRUCTURAL **ENGINEERS**

HENDERSON **ENGINEERS** MECHANICAL HENDERSON

ELECTRICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON ENGINEERS

FINKLE + WILLIAMS

ARCHITECTURE

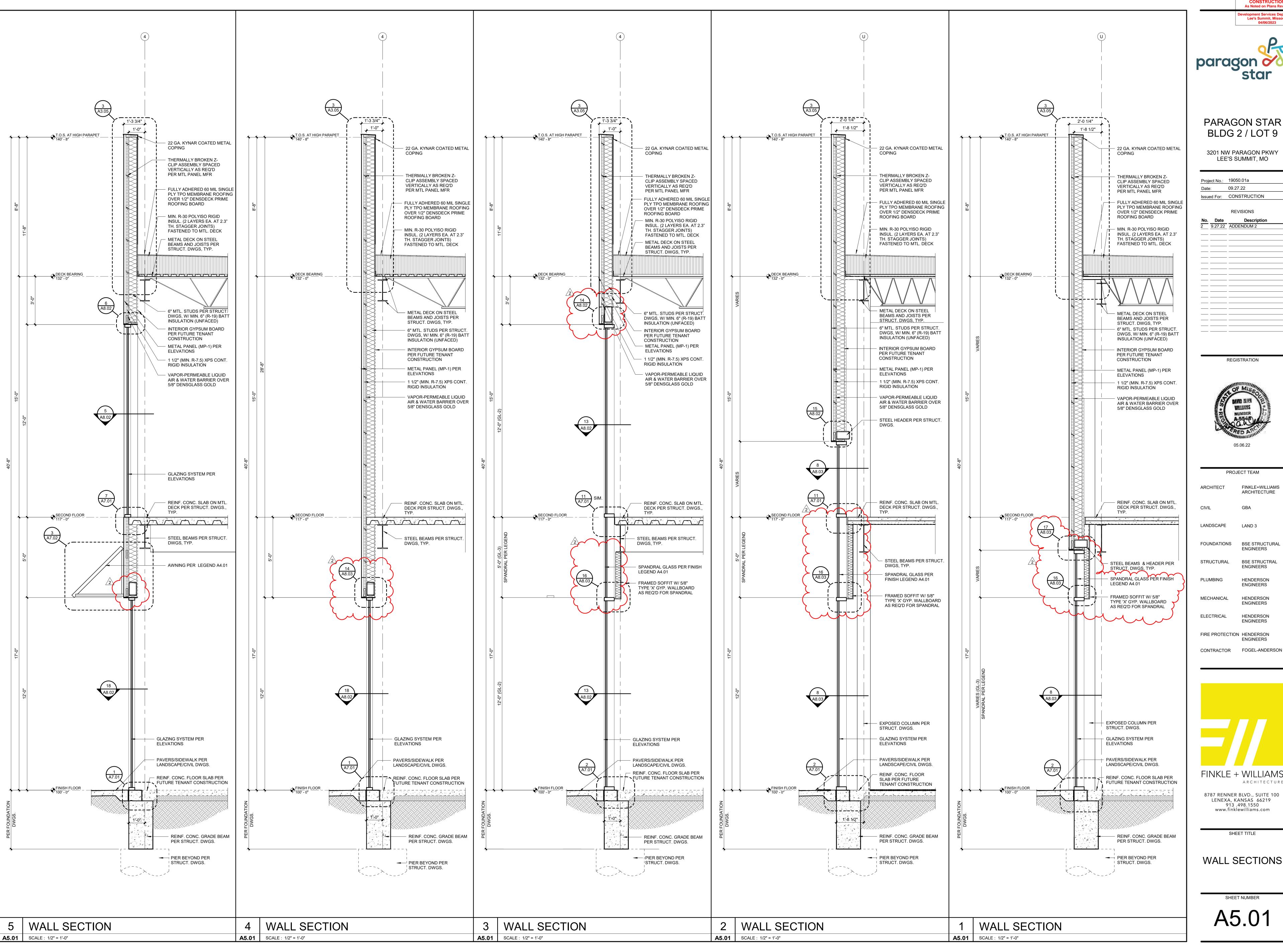
8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

BUILDING

SHEET TITLE

SECTIONS

SHEET NUMBER A5.00





Lee's Summit, Missouri

PARAGON STAR

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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REGISTRATION

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS**

HENDERSON **ENGINEERS** MECHANICAL HENDERSON

ENGINEERS FIRE PROTECTION HENDERSON **ENGINEERS**

HENDERSON

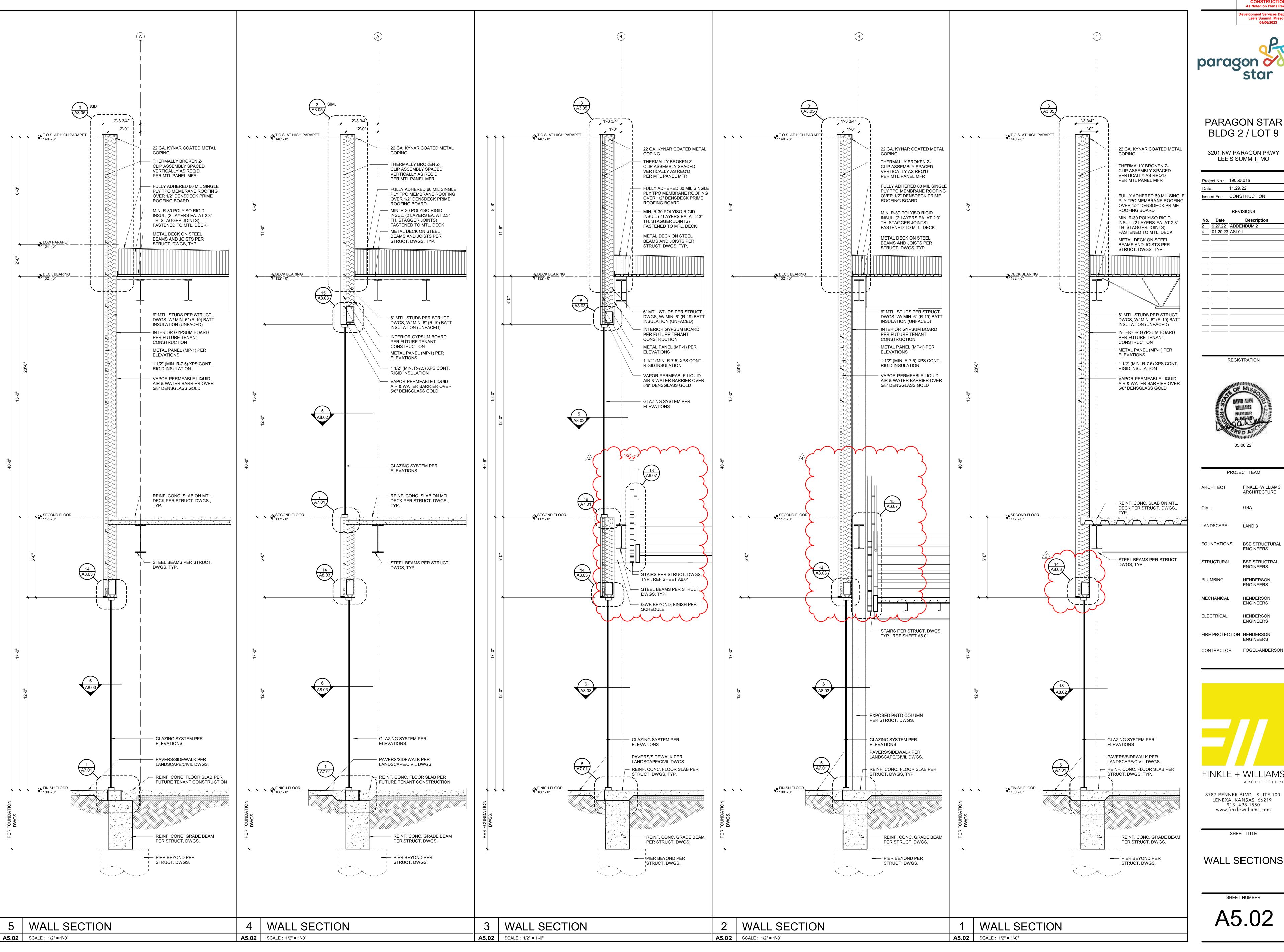
FINKLE + WILLIAMS ARCHITECTURE 8787 RENNER BLVD., SUITE 100

LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

WALL SECTIONS

SHEET TITLE

A5.01





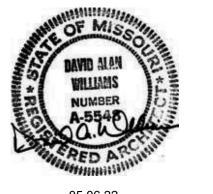
Lee's Summit, Missouri

PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Proje	ect No.:	19050.01a
Date) :	11.29.22
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REGISTRATION



PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON **ENGINEERS**

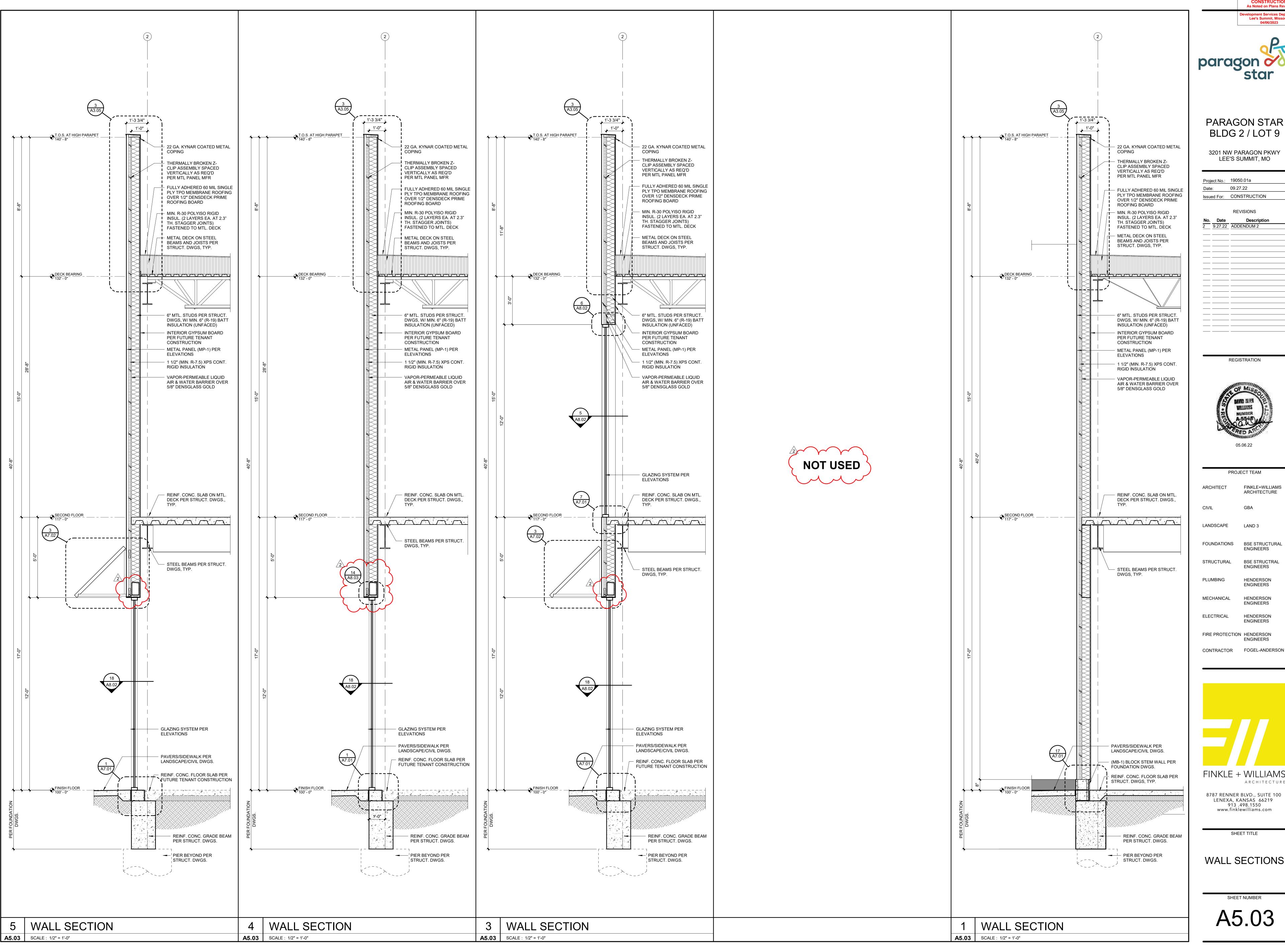


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WALL SECTIONS

SHEET TITLE

SHEET NUMBER A5.02





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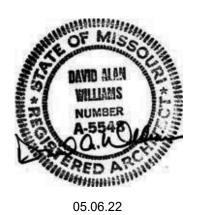


PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.:	19050.01a
Date:	09.27.22
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REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON ELECTRICAL HENDERSON **ENGINEERS**

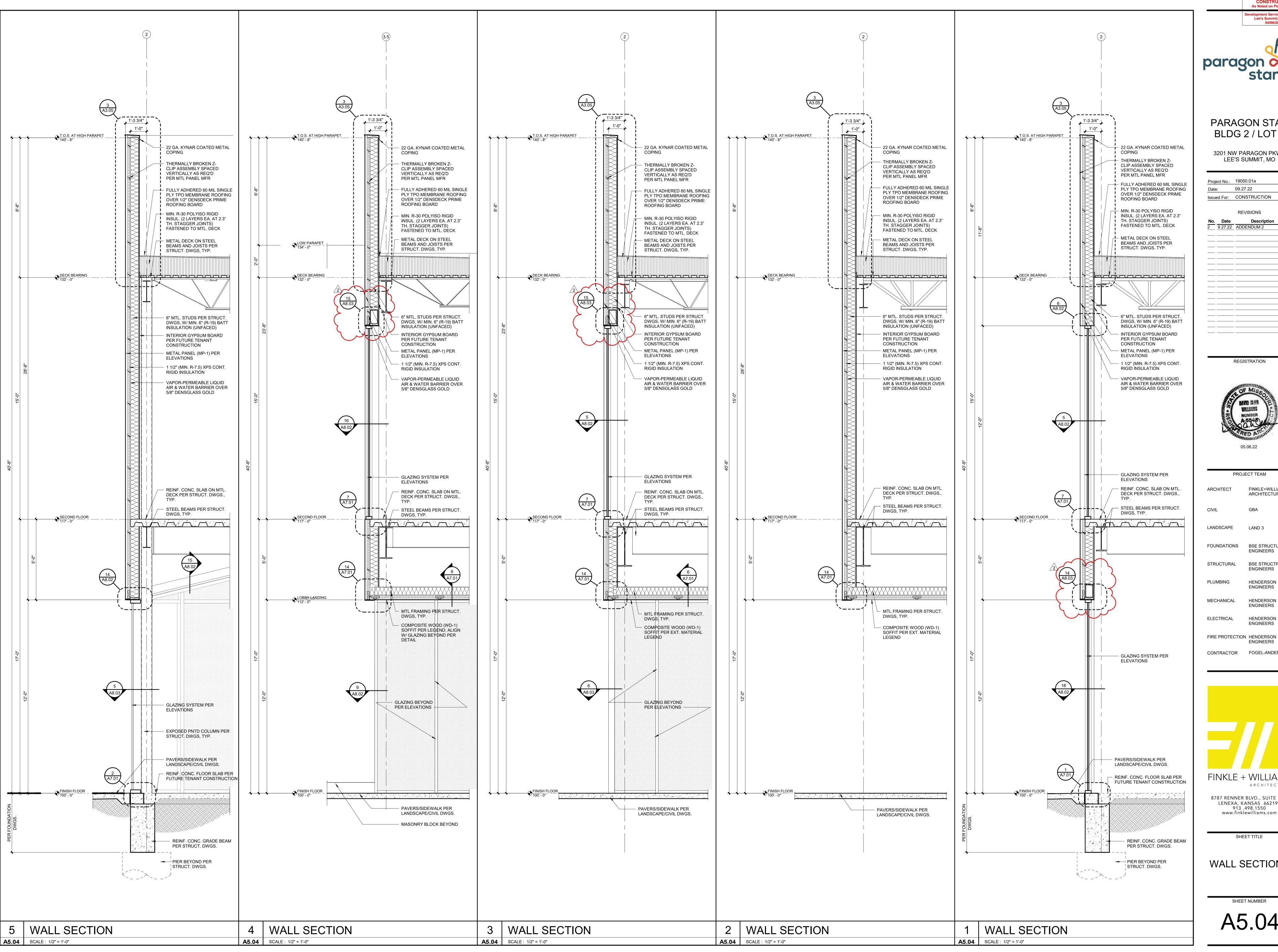


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WALL SECTIONS

SHEET TITLE

A5.03





Lee's Summit, Missouri

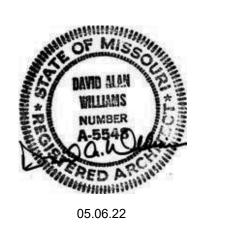
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3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON

> HENDERSON **ENGINEERS**

ENGINEERS

CONTRACTOR FOGEL-ANDERSON

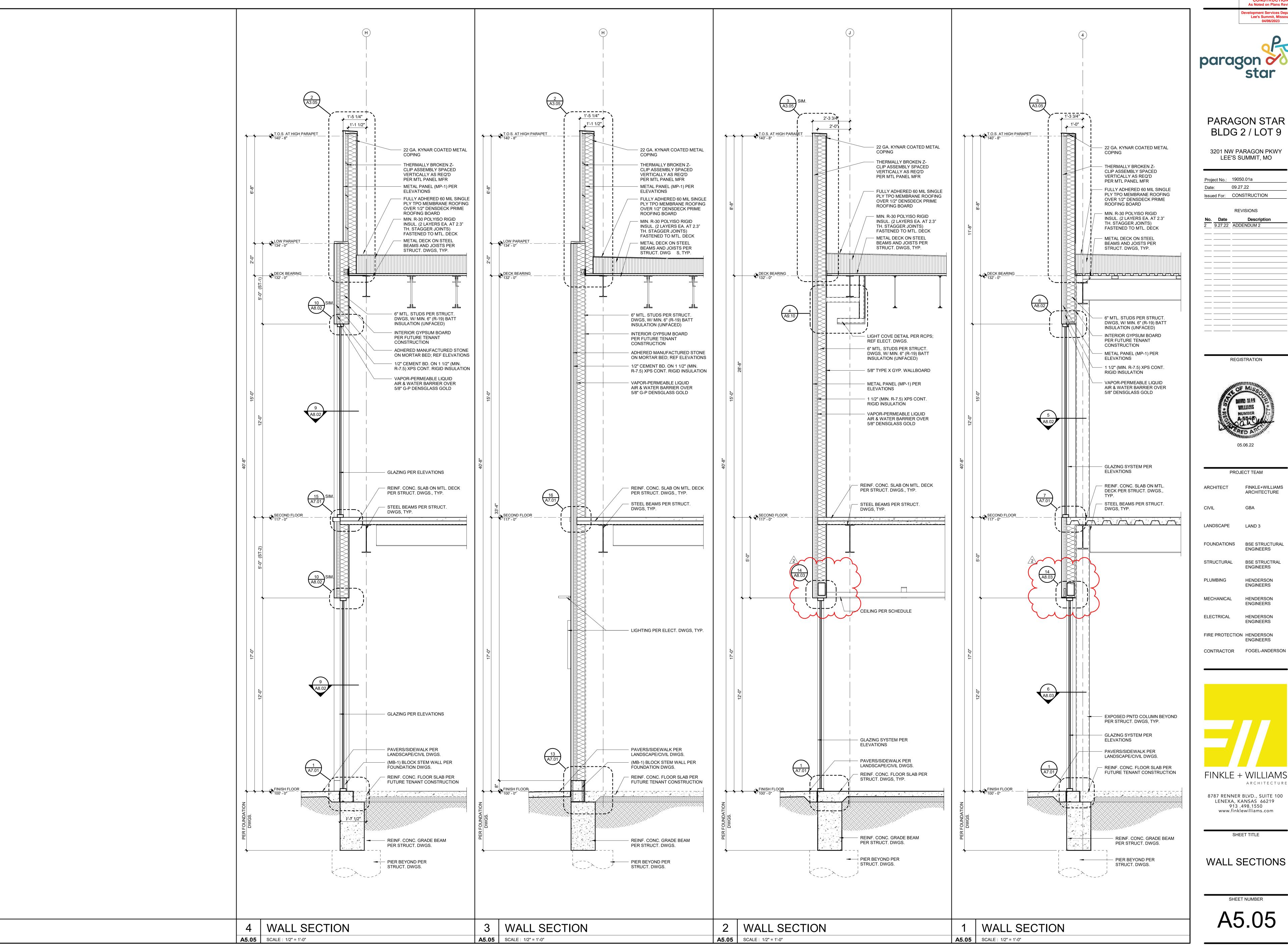
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SHEET TITLE

WALL SECTIONS

SHEET NUMBER A5.04





Lee's Summit, Missouri



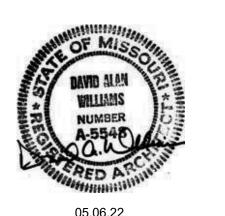
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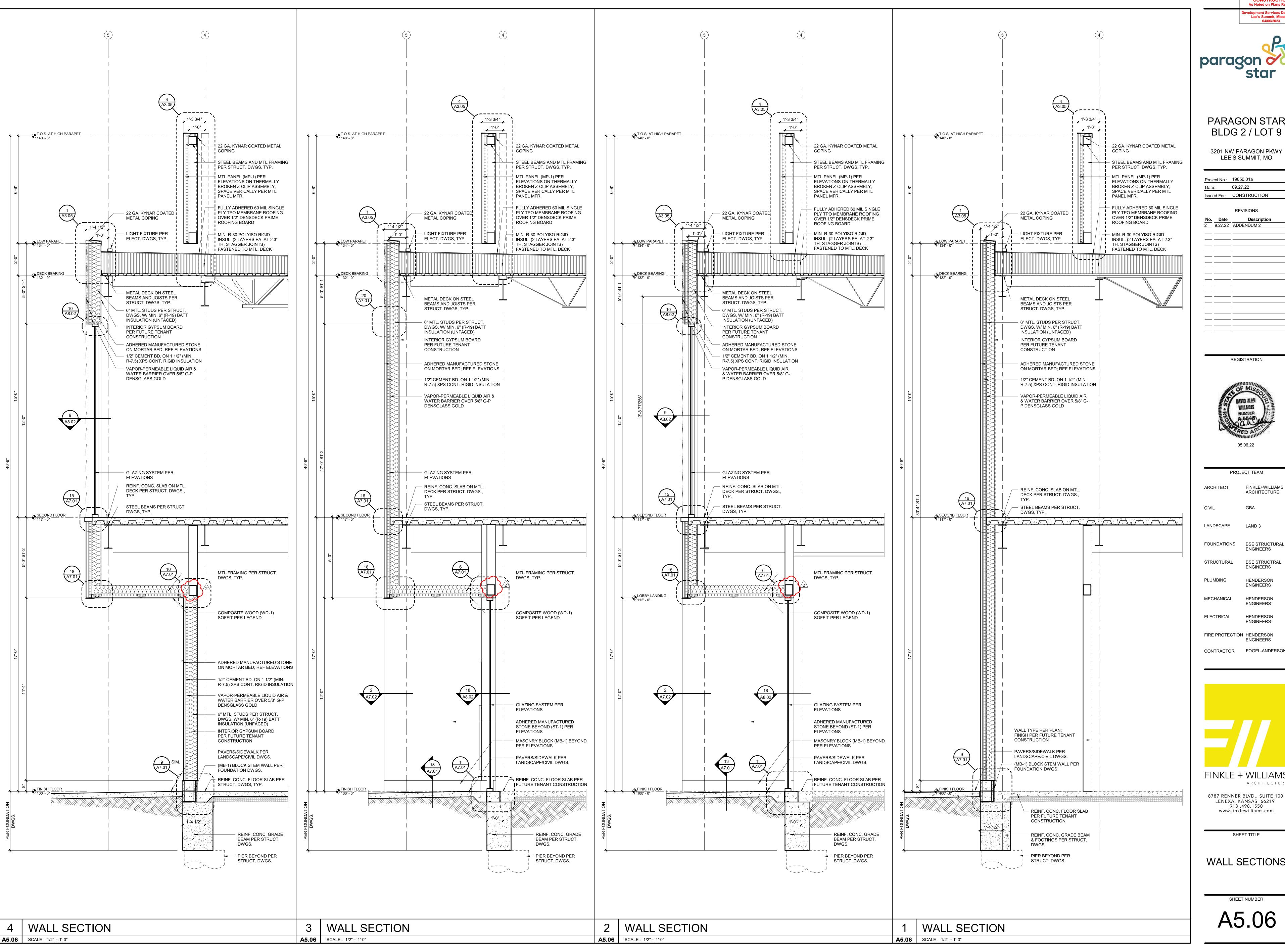
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SHEET TITLE

WALL SECTIONS

SHEET NUMBER A5.05





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STRUCTURAL BSE STRUCTRAL ENGINEERS PLUMBING HENDERSON **ENGINEERS**

ENGINEERS

MECHANICAL HENDERSON ELECTRICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON **ENGINEERS** CONTRACTOR FOGEL-ANDERSON

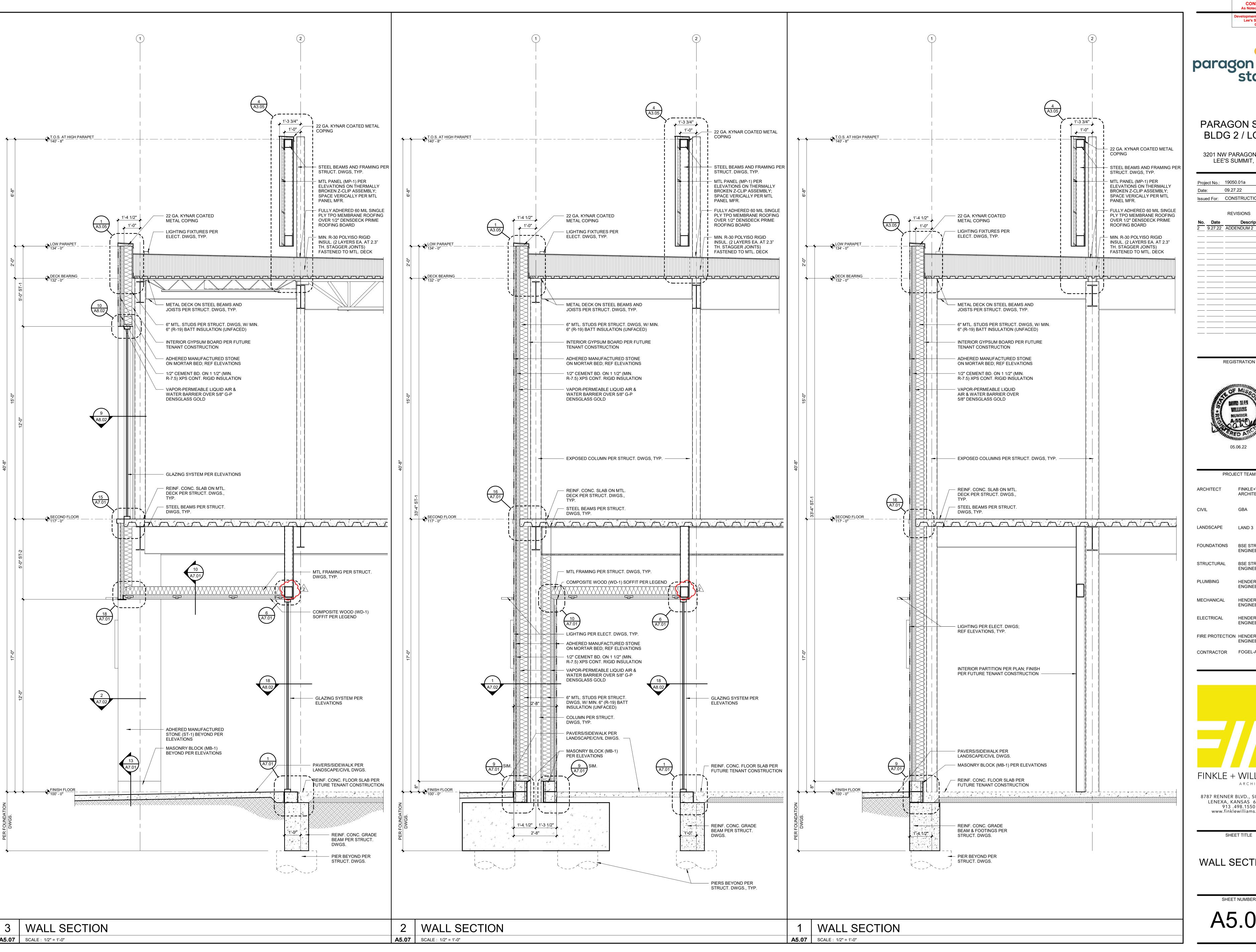


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SHEET TITLE

WALL SECTIONS

A5.06





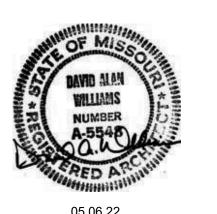
Lee's Summit, Missouri

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ENGINEERS

BSE STRUCTRAL ENGINEERS

PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON **ENGINEERS** CONTRACTOR FOGEL-ANDERSON

HENDERSON **ENGINEERS**

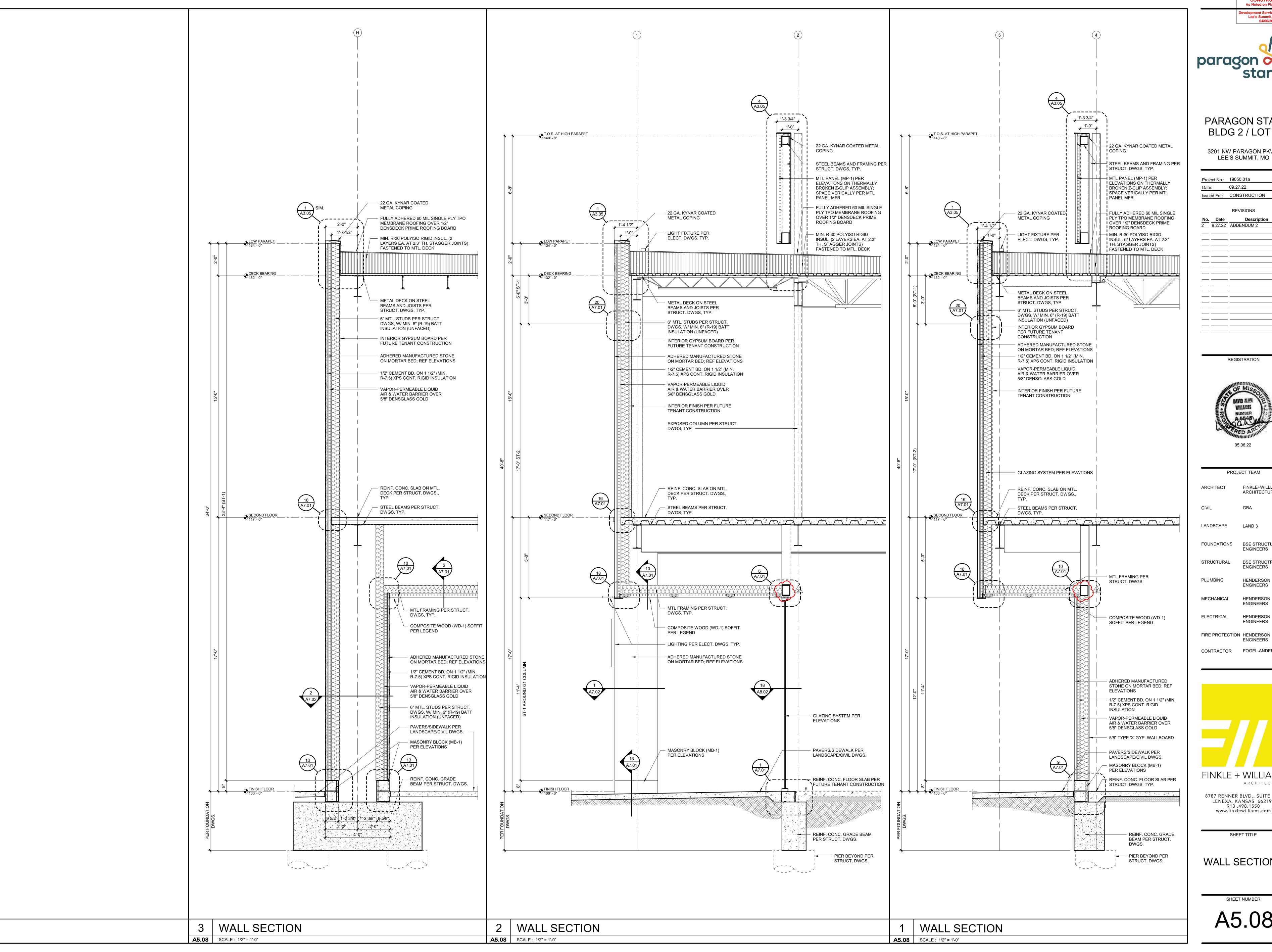
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SHEET TITLE

WALL SECTIONS

A5.07





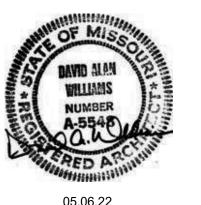
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PARAGON STAR BLDG 2 / LOT 9

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REGISTRATION



PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL ENGINEERS HENDERSON

ENGINEERS MECHANICAL HENDERSON **ENGINEERS** HENDERSON ELECTRICAL **ENGINEERS**

CONTRACTOR FOGEL-ANDERSON

ENGINEERS

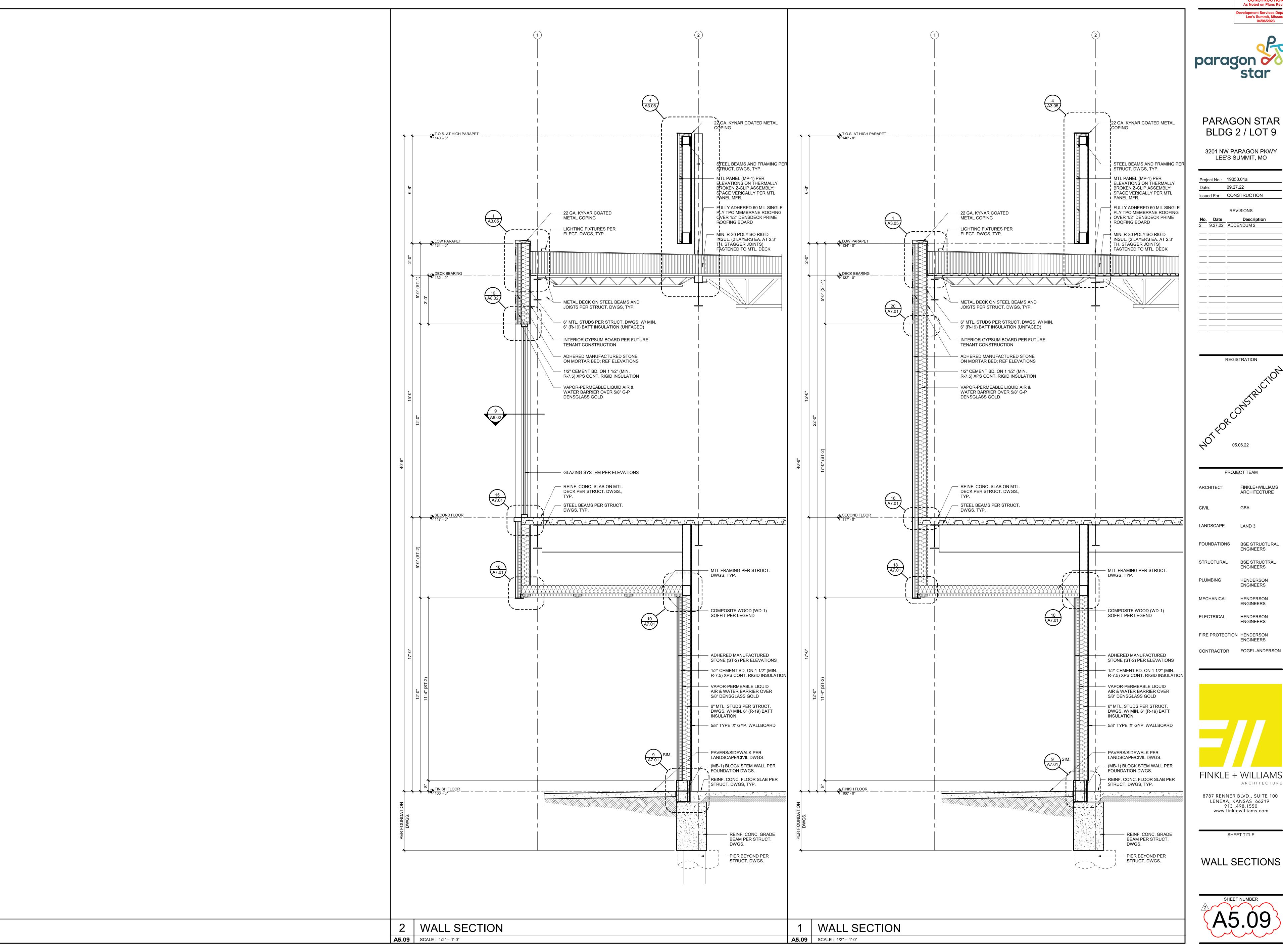
FINKLE + WILLIAMS ARCHITECTURE

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SHEET TITLE

WALL SECTIONS

SHEET NUMBER A5.08



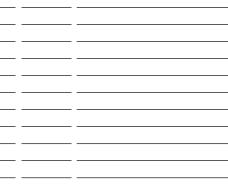




PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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GBA								
LAND 3								
BSE STRUCTURAL ENGINEERS								
BSE STRUCTRAL ENGINEERS								
HENDERSON ENGINEERS								
HENDERSON ENGINEERS								
HENDERSON ENGINEERS								

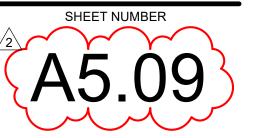


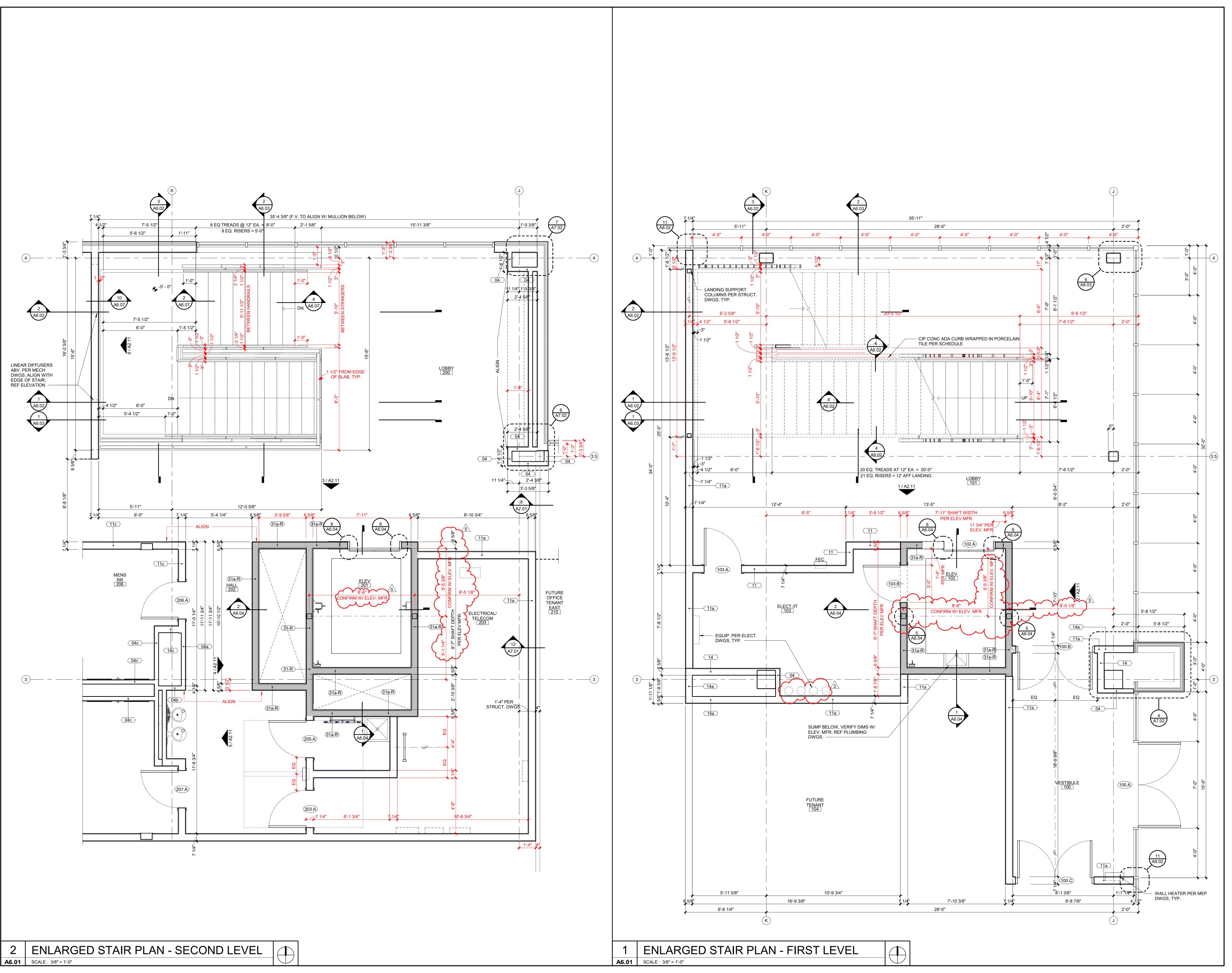
ENGINEERS

8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

WALL SECTIONS







PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 11.29.22

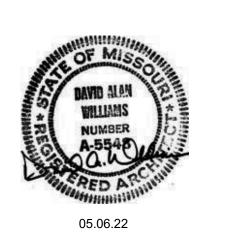
Issued For: CONSTRUCTION

REVISIONS

No. Date Description

2 9.27.22 ADDENDUM 2
4 01.20.23 ASI-01
5 02.01.23 ASI-02

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON ELECTRICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS

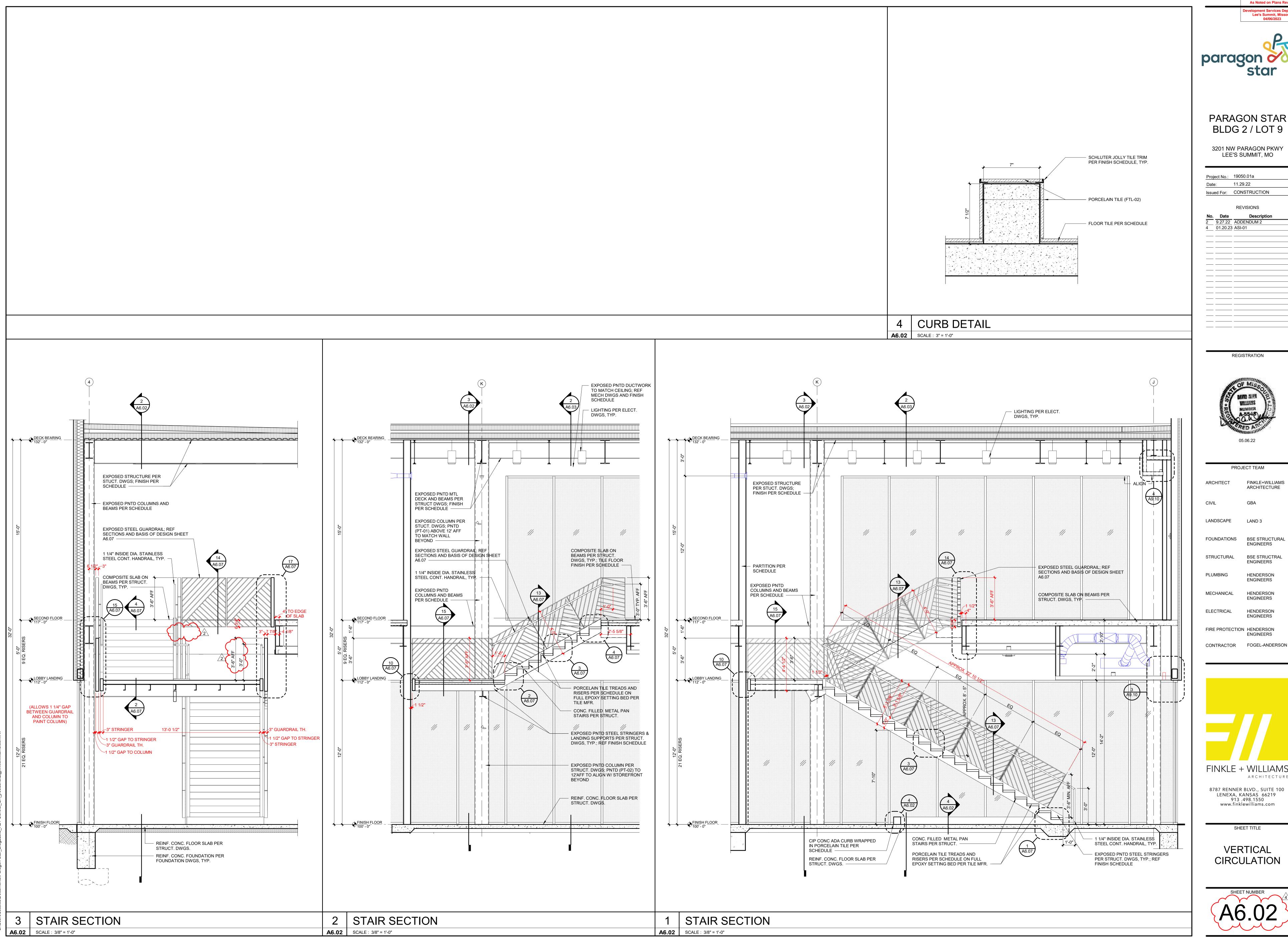
ARCHITECTURE

8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

VERTICAL CIRCULATION







PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY

Project No.: 19050.01a 11.29.22 Issued For: CONSTRUCTION REVISIONS

REGISTRATION

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE

LANDSCAPE LAND 3

ENGINEERS STRUCTURAL BSE STRUCTRAL **ENGINEERS**

HENDERSON

ENGINEERS MECHANICAL HENDERSON **ENGINEERS**

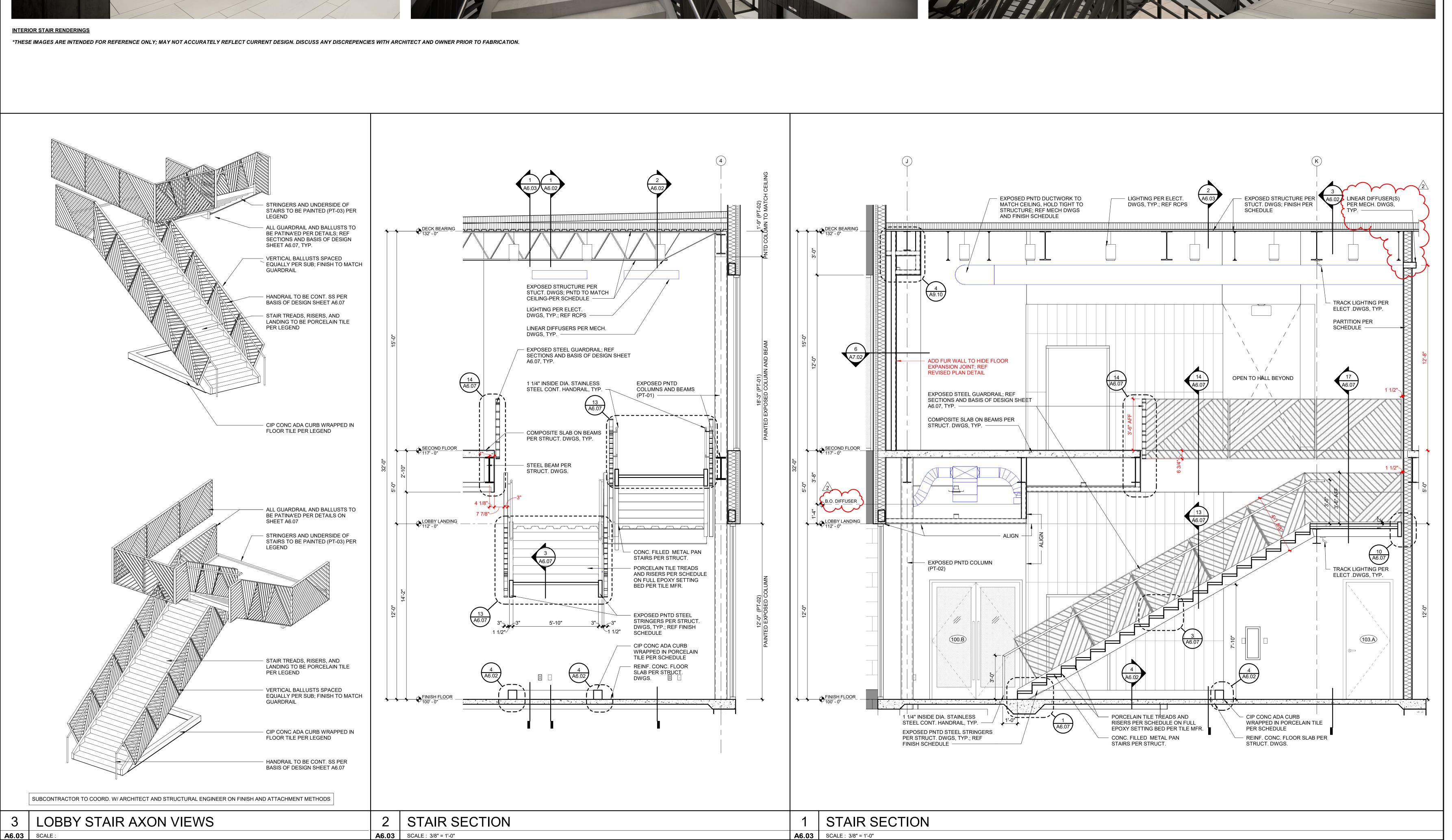
HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON **ENGINEERS**

FINKLE + WILLIAMS ARCHITECTURE

8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

> SHEET TITLE VERTICAL

CIRCULATION





PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Proje	ect No.:	19050.01a
Date	e :	11.29.22
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	54 1 51.	REVISIONS
No.	Date	REVISIONS Description
	Date	

PROJE	ECT TEAM
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTRAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON

FIRE PROTECTION HENDERSON

CONTRACTOR FOGEL-ANDERSON

ENGINEERS

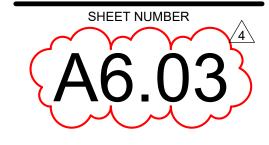
ENGINEERS

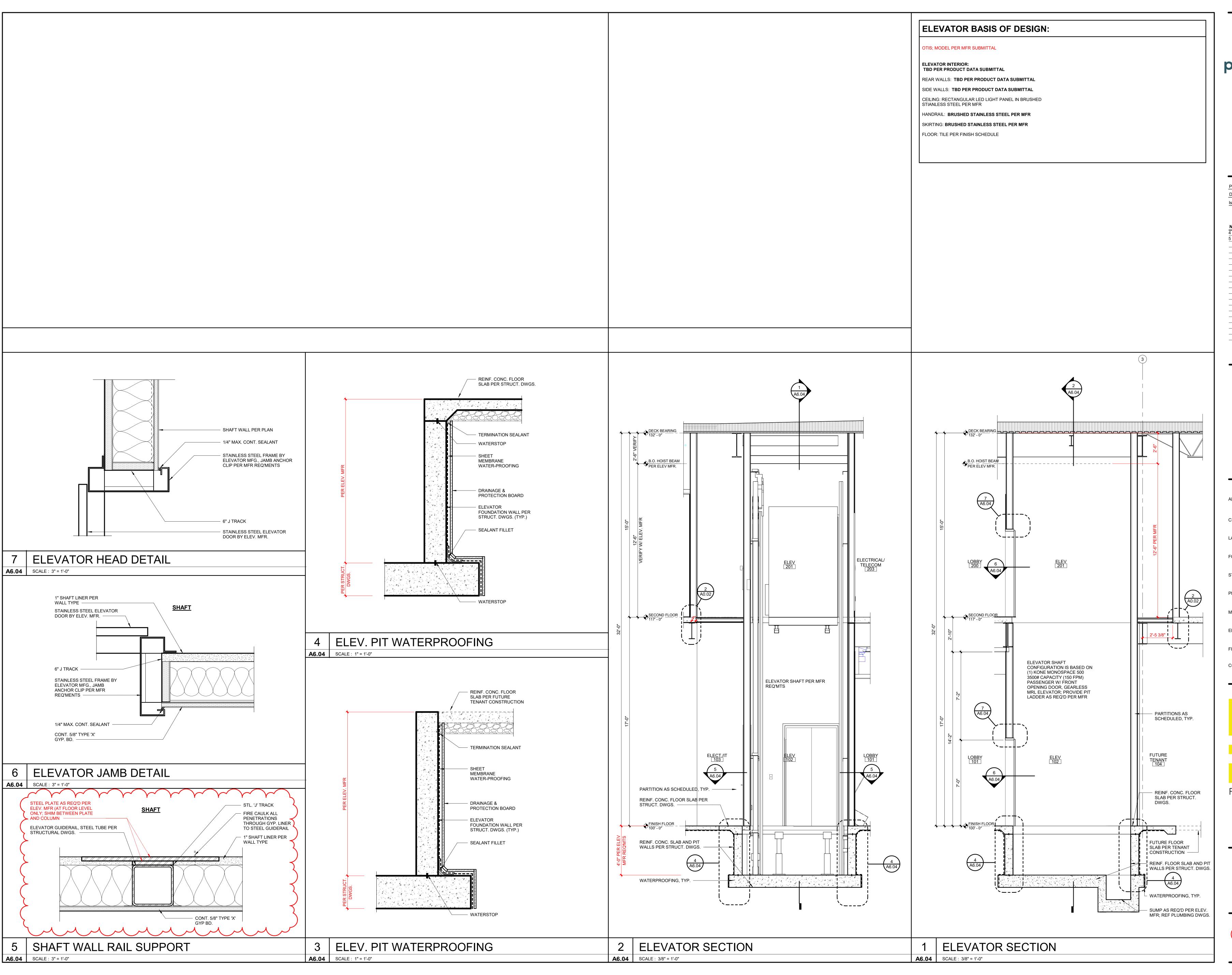


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SHEET TITLE

VERTICAL CIRCULATION







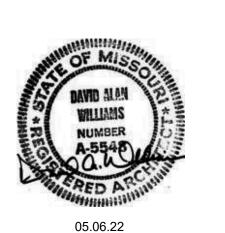


PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Date	ect No.: e:	19050.01a 11.29.22
Issu	ed For:	CONSTRUCTION
		REVISIONS
No.	Date	Description
No.	Date 01.20.23	
		ASI-01
4	01.20.23	ASI-01
4	01.20.23	ASI-01

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE LAND 3 LANDSCAPE FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON **ENGINEERS** ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON CONTRACTOR FOGEL-ANDERSON



ARCHITECTURE

8787 RENNER BLVD., SUITE 100

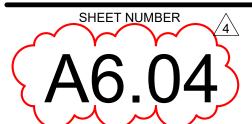
LENEXA, KANSAS 66219

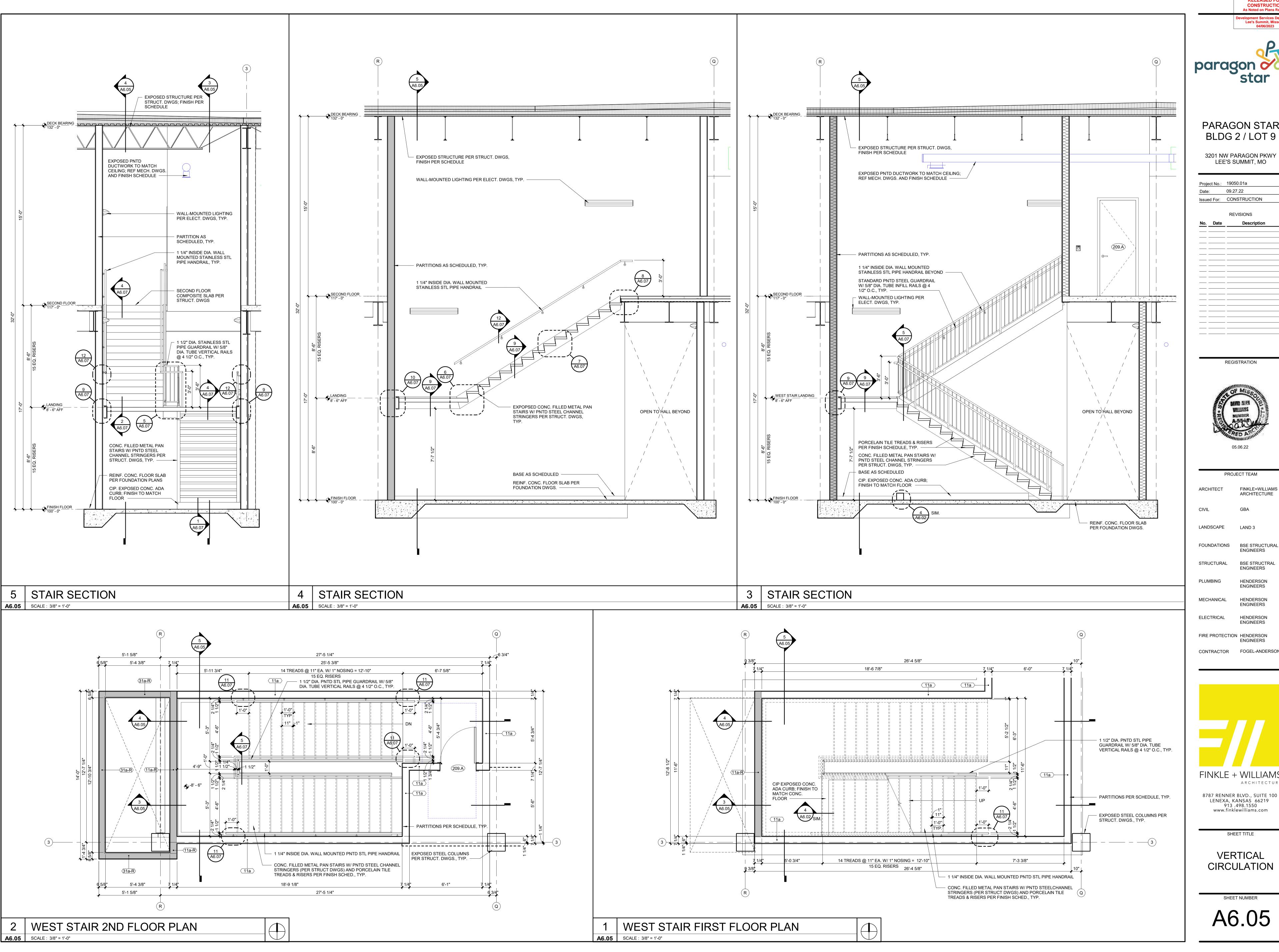
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SHEET TITLE

VERTICAL CIRCULATION



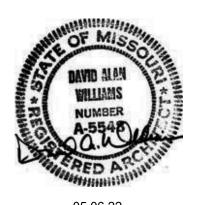


PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 09.27.22 Issued For: CONSTRUCTION

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE

LANDSCAPE LAND 3

ENGINEERS

ENGINEERS

BSE STRUCTRAL STRUCTURAL **ENGINEERS**

PLUMBING HENDERSON **ENGINEERS**

MECHANICAL HENDERSON ELECTRICAL HENDERSON

FIRE PROTECTION HENDERSON **ENGINEERS** CONTRACTOR FOGEL-ANDERSON

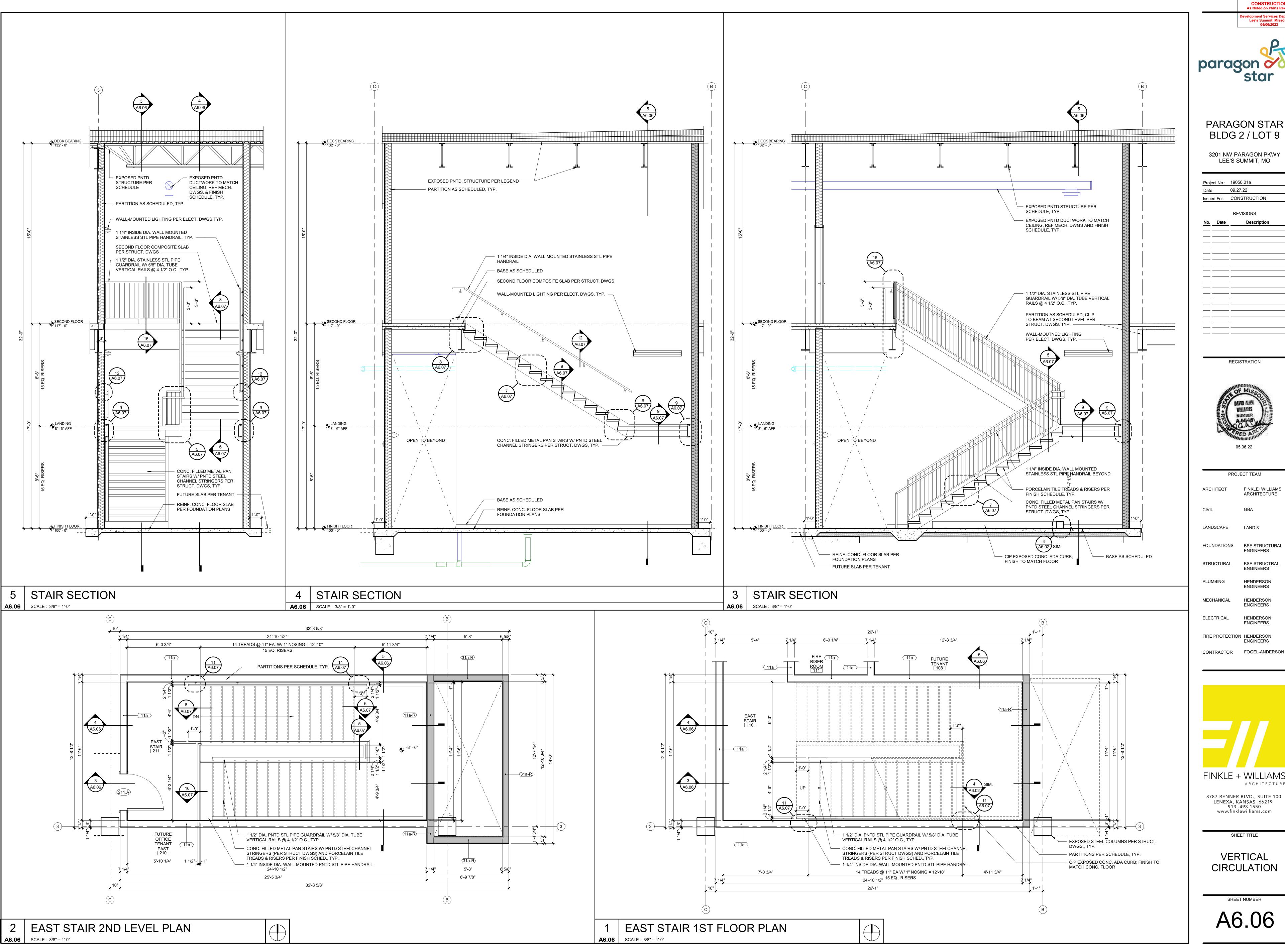
FINKLE + WILLIAMS ARCHITECTURE

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SHEET TITLE

VERTICAL CIRCULATION

A6.05





PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

09.27.22 Issued For: CONSTRUCTION

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE

LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

BSE STRUCTRAL STRUCTURAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS**

MECHANICAL HENDERSON ELECTRICAL HENDERSON

ENGINEERS

FIRE PROTECTION HENDERSON **ENGINEERS**

ARCHITECTURE 8787 RENNER BLVD., SUITE 100

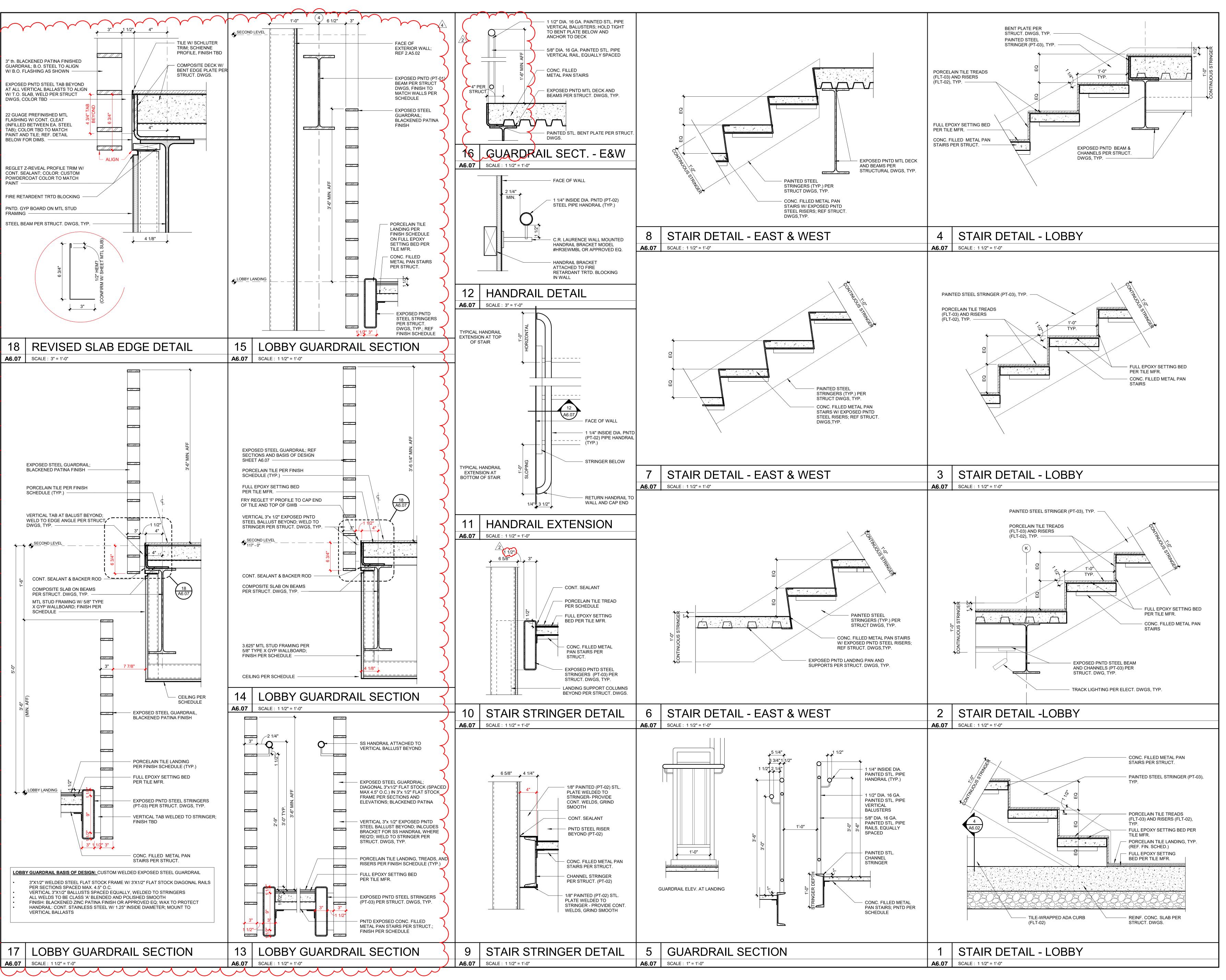
LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

VERTICAL

SHEET TITLE

CIRCULATION

A6.06





Lee's Summit, Missouri

PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 11.29.22 Issued For: CONSTRUCTION

REVISIONS 01.20.23 ASI-01

REGISTRATION



PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL LANDSCAPE LAND 3 **FOUNDATIONS** BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS MECHANICAL** HENDERSON

FIRE PROTECTION HENDERSON **ENGINEERS** CONTRACTOR FOGEL-ANDERSON

ELECTRICAL

ENGINEERS

HENDERSON

ENGINEERS

FINKLE + WILLIAMS ARCHITECTURE

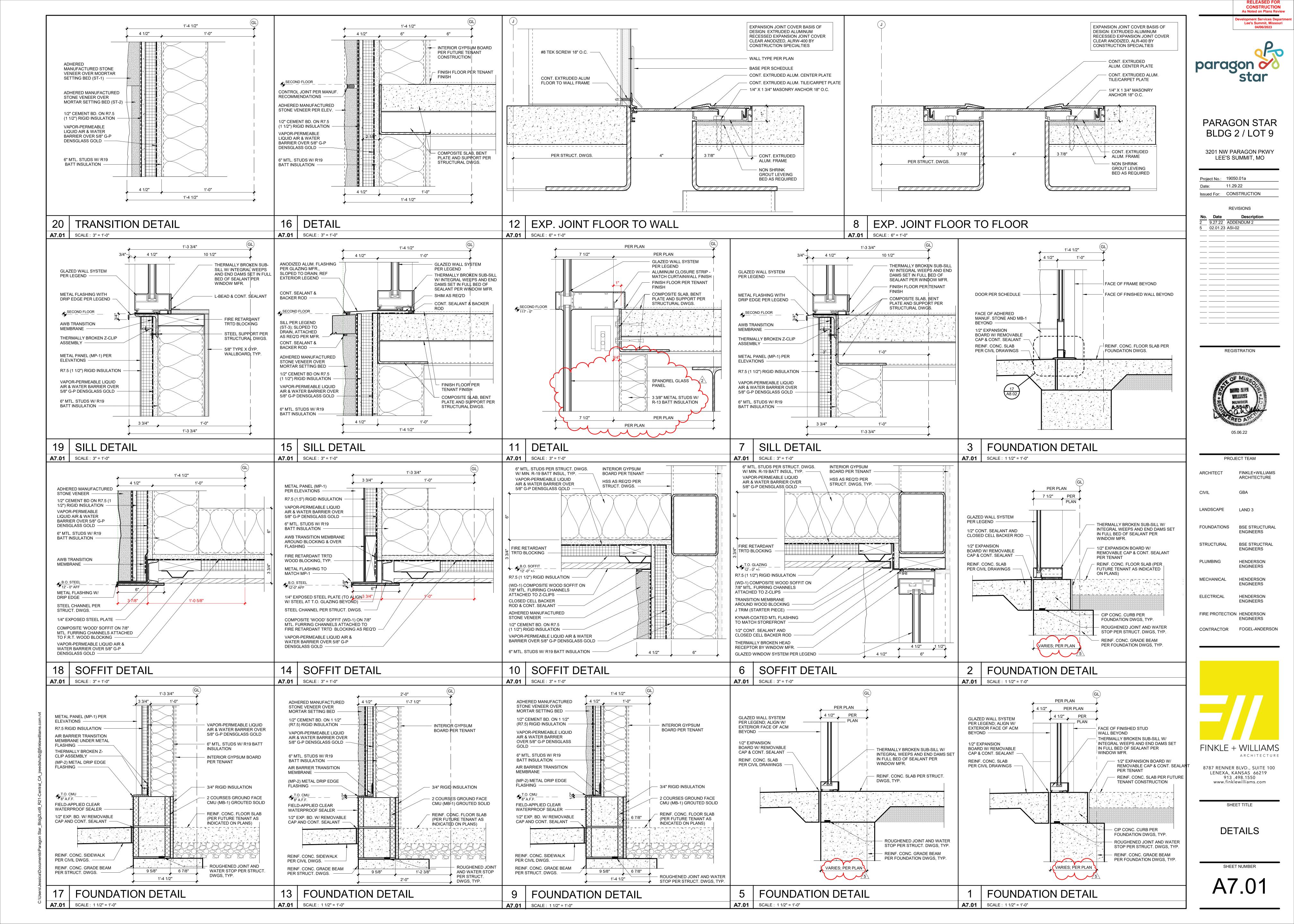
8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550

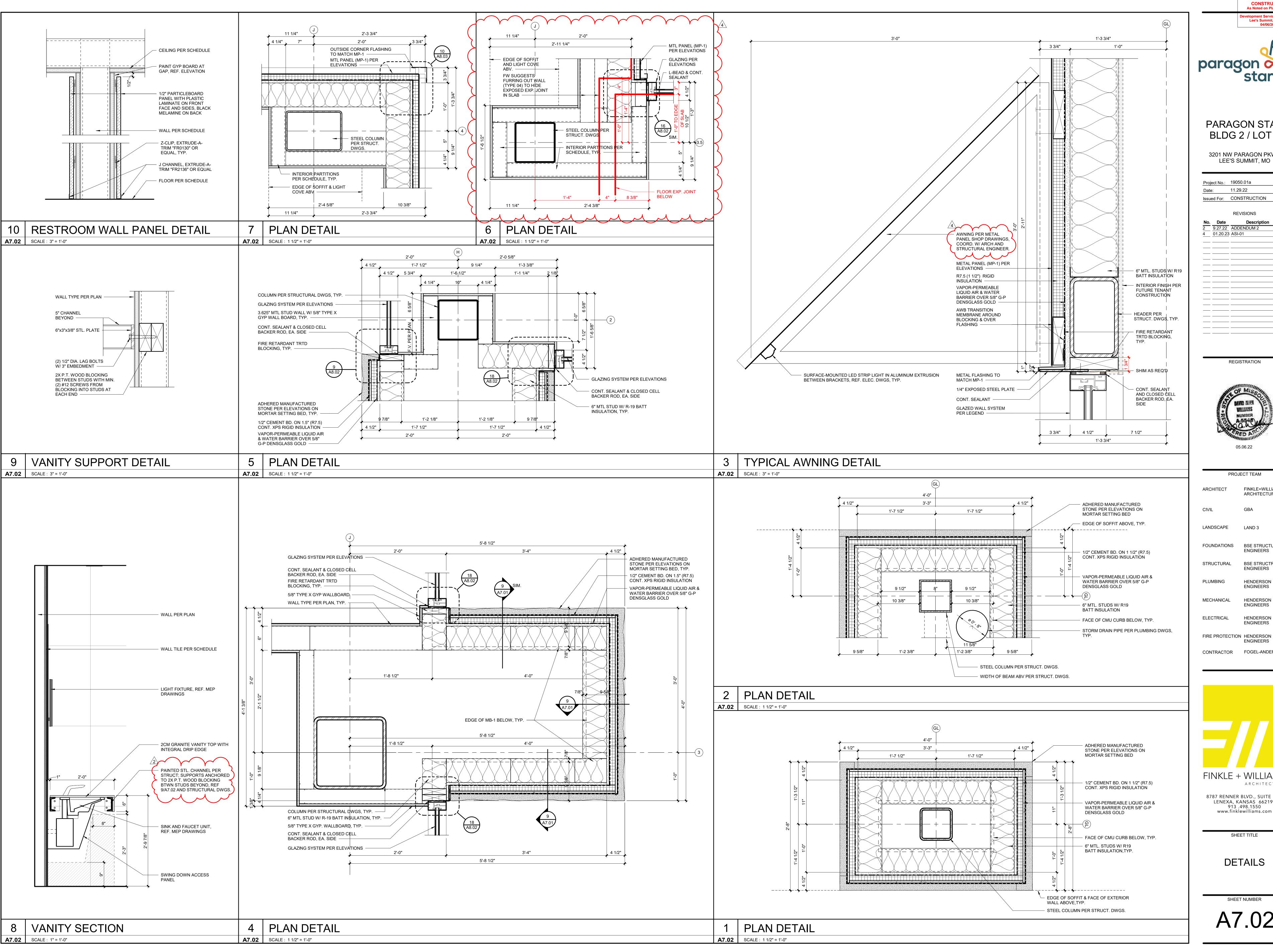
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SHEET TITLE **VERTICAL**

CIRCULATION **DETAILS**

SHEET NUMBER A6.07







Lee's Summit, Missouri 04/06/2023

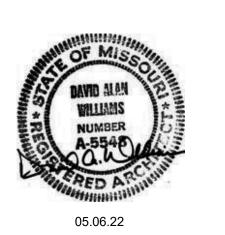
PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

Project No.: 19050.01a 11.29.22 Issued For: CONSTRUCTION REVISIONS 4 01.20.23 ASI-01

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE CIVIL LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** BSE STRUCTRAL STRUCTURAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS**

MECHANICAL HENDERSON ELECTRICAL HENDERSON **ENGINEERS**

CONTRACTOR FOGEL-ANDERSON

ENGINEERS



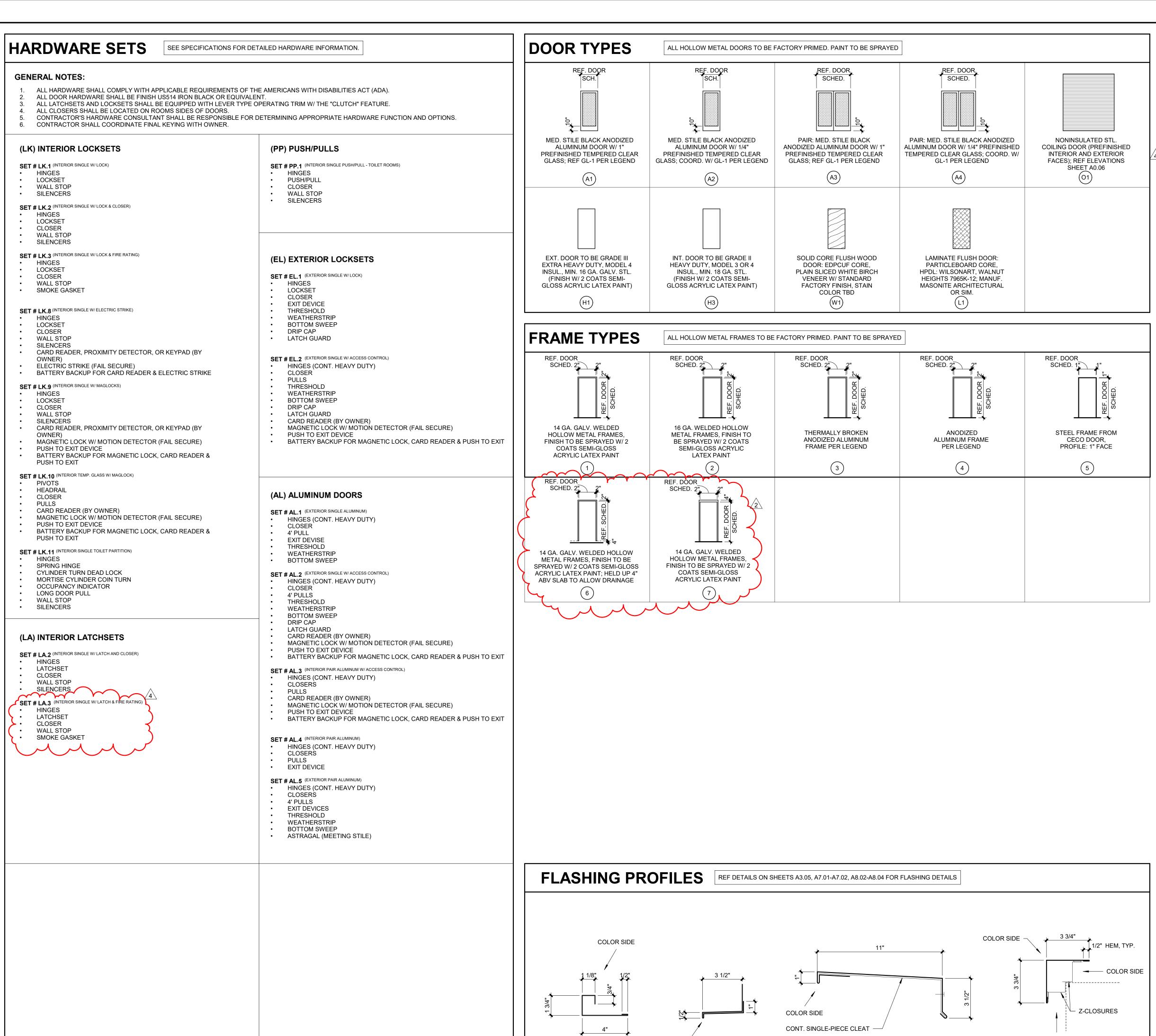
8787 RENNER BLVD., SUITE 100

LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

DETAILS

SHEET NUMBER A7.02



		DOOR AND FRAME SCHEDULE													
	1			DOOR FRAME				ME			DETAILS				
			SIZE									1			
		NO.	W.	Н.	Th.	TYPE	MAT.	TYPE	MAT.	RATING	JAMB	HEAD	SILL	HARDWARE	REMARKS
		100.A	6' - 10"	8' - 0"	1 3/4"	A3	AL	-	AL		11 & 18/A8.02	6/A7.01	3/A7.01	AL.5	
		100.B	6' - 0"	8' - 0"	1 3/4"	A4	AL	4	AL	-	1/A8.03	2/A8.03	-	AL.3	
		100.C	6' - 0"	8' - 0"	1 3/4"	A4	AL	4	AL	1	1/A8.03	2/A8.03	-	AL.3	
		102.A	3' - 6"	8' - 0"	MFR	MFR	MFR	MFR	MFR	-	6/A6.04	7/A6.04	MFR	MFR	ELEV
D		103.A	3' - 0"	8' - 0"	1 3/4"	НЗ	НМ	2	НМ	-	3/A8.03	4/A8.03	-	LK.2	
	4	103.B	3' - 0"	8' - 0"	1 3/4"	H3	НМ	2	НМ	45 MIN.	3/8.03 SIM	4/8.03 SIM	-	LK.3	(5)
		104.A	3' - 9"	8' - 0"	1 3/4"	A3	AL	-	AL	-	18/A8.02	6/A7.01	3/A7.01	AL.1	
		105.A	3' - 0"	8' - 0"	1 3/4"	A1	AL	3	AL	-	7/A8.02	8/A8.02	3/A7.01	AL.1	
	1	106.A	3' - 0"	8' - 0"	1 3/4"	H3	НМ	2	НМ	-	3/A8.03	4/A8.03	-	LK.9	
		107.A	4' - 0"	8' - 0"	1 3/4"	H1	НМ	1	НМ	-	3/A8.02	4/A8.02	17/A8.02	EL.2	(4)
		108.A	3' - 0"	8' - 0"	1 3/4"	A1	AL	-	AL	-	9/A8.02	6/A7.01	3/A7.01	AL.1	
		108.B	3' - 0"	8' - 0"	1 3/4"	A1	AL	3	AL	-	9 & 18/A8.02	6/A7.01	3/A7.01	AL.1	
		109.A	3' - 0"	8' - 0"	1 3/4"	A1	AL	3	AL	-	7/A8.02	8/A8.02	3/A7.01	AL.1	
		110.A	3' - 0"	8' - 0"	1 3/4"	H3	НМ	2	НМ	-	3/A8.03	4/A8.03	-	LK.9	
		111.A	3' - 0"	8' - 0"	1 3/4"	A1	AL	3	AL	-	7/A8.02	8/A8.02	3/A7.01	AL.2	
		112.A	4' - 0"	8' - 0"	1 3/4"	H1	НМ	1	НМ	-	3/A8.02	4/A8.02	17/A8.02	EL.2	(4)
		113.A	4' - 0"	8' - 0"	1 3/4"	H1	НМ	6	НМ	-	7/A0.07	10/A0.07	-	EL.1	
		114.A	3' - 0"	7' - 0"	1 3/4"	H1	НМ	7	НМ	-	12/A8.03	13/A8.03	17/A8.02	EL.1	
		114.B	16' - 0"	9' - 4"	MFR.	01	MFR	-	-	-	13/A0.06	8/A0.06	10/A0.06	-	
	J	114.C	16' - 0"	9' - 4"	MFR.	01	MFR	-	-	-	13/A0.06	8/A0.06	10/A0.06	-	
	,	201.A	3' - 6"	8' - 0"	MFR	MFR	MFR	MFR	MFR	-	6/A6.04	7/A6.04	MFR	MFR	ELEV
		203.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-	LK.9	(4)
		205.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-	LK.1	
	1	206.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-	PP.1	(2)
		206.B	2' - 8"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03	-	LK.11	(3)
		206.C	3' - 0"	8' - 0"	1 3/4"	L1	HPDL	5	STL		11/A8.03	9/A8.03	-		(3)
		207.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	HM	-	3/A8.03	4/A8.03	-		(2)
		207.B	2' - 8"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03	-		(3)
		207.C	2' - 8"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03	-		(3)
		207.D	2' - 8"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03	-		(3)
		207.E	3' - 0"	8' - 0"	1 3/4"	L1	HPDL	5	STL		11/A8.03	9/A8.03	-		(3)
		209.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-	LA.2	
		211.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-	LA.2	

COLOR SIDE COLOR SIDE PARAPET COPING AT MP-1 W/ CONT. CLEAT J-TRIM / RECEIVER FLASHING DRIP FLASHING **OUTSIDE CORNER** ---- CONT. CLEATS -COLOR SIDE **PARAPET COPING AT ST-1**

REMARKS

- (1) ACCESS CONTROL DOORS WITH PANIC HARDWARE: PROVIDE APPROVED ENTRANCE AND EGRESS ACCESS CONTROL SYSTEM, LISTED IN ACCORDANCE WITH UL 294 AND INSTALLED IN COMPLIANCE WITH CRITERIA 1 THROUGH 7 IN SECTION 1010.1.9.9 OF IBC 2018
- (2) PROVIDE 16" X 34" KICK PLATE
- (3) UNDERCUT DOOR 1"
- (4) PROVIDE PANIC EGRESS HARDWARE AS REQ'D PER 2017 NEC ARTICLE 110.26 (C).

(5) CONFIRM RATED DOOR REQ'MTS W/ ELEVATOR MFR.

DOOR LOCATION PLAN FOR ALL DOORS NOT LOCATED ON PLAN 1'-0" IF DOOR HAS A CLOSER AND LATCH 32" CLEAR PUSH SIDE

MATERIAL LEGEND

- GLASS HOLLOW METAL - WOOD STL - STEEL ALUMINUM MFR PER MANUFACTURER

POLY POLYETHYLENE POLYCARBONATE HPDL - HIGH PRESSURE DECORATIVE LAMINATE

SHEET NUMBER

Lee's Summit, Missouri

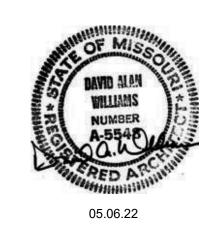
CONSTRUCTION As Noted on Plans Review

PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 11.29.22 Issued For: CONSTRUCTION REVISIONS 9.27.22 ADDENDUM 2 4 01.20.23 ASI-01

REGISTRATION



PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL GBA

LANDSCAPE LAND 3

BSE STRUCTURAL **FOUNDATIONS ENGINEERS**

STRUCTURAL BSE STRUCTRAL ENGINEERS PLUMBING HENDERSON

ENGINEERS MECHANICAL HENDERSON **ENGINEERS**

HENDERSON ELECTRICAL **ENGINEERS**

FIRE PROTECTION HENDERSON

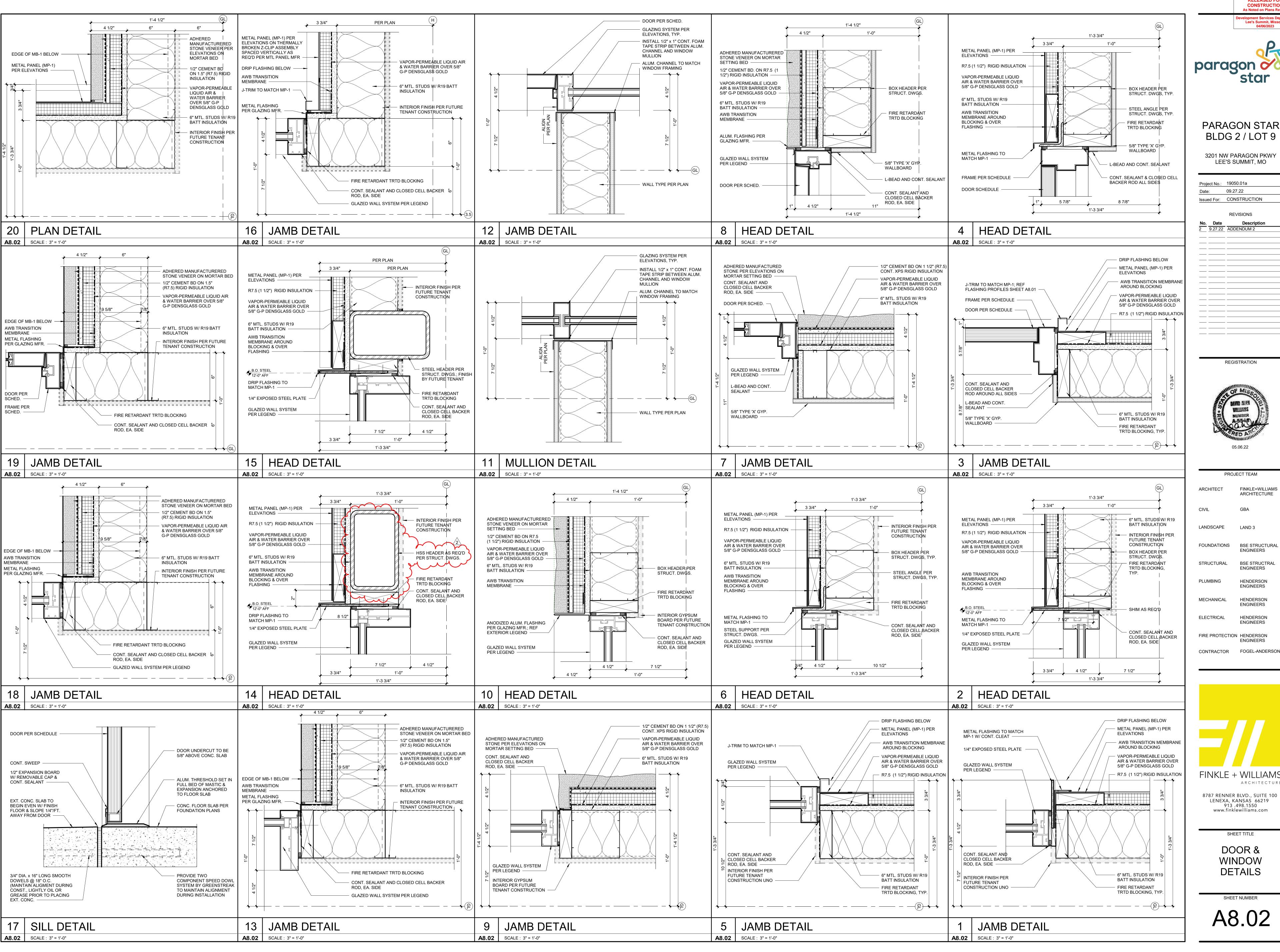
CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS ARCHITECTURE

8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE DOOR SCHEDULE AND

DETAILS





Lee's Summit, Missouri

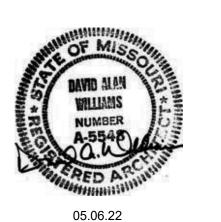
PARAGON STAR

BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO Project No.: 19050.01a 09.27.22

Issued For: CONSTRUCTION REVISIONS 9.27.22 ADDENDUM 2

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE CIVIL LANDSCAPE LAND 3 **FOUNDATIONS** BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRA **ENGINEERS** PLUMBING HENDERSON **ENGINEERS MECHANICAL** HENDERSON ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON

FINKLE + WILLIAMS

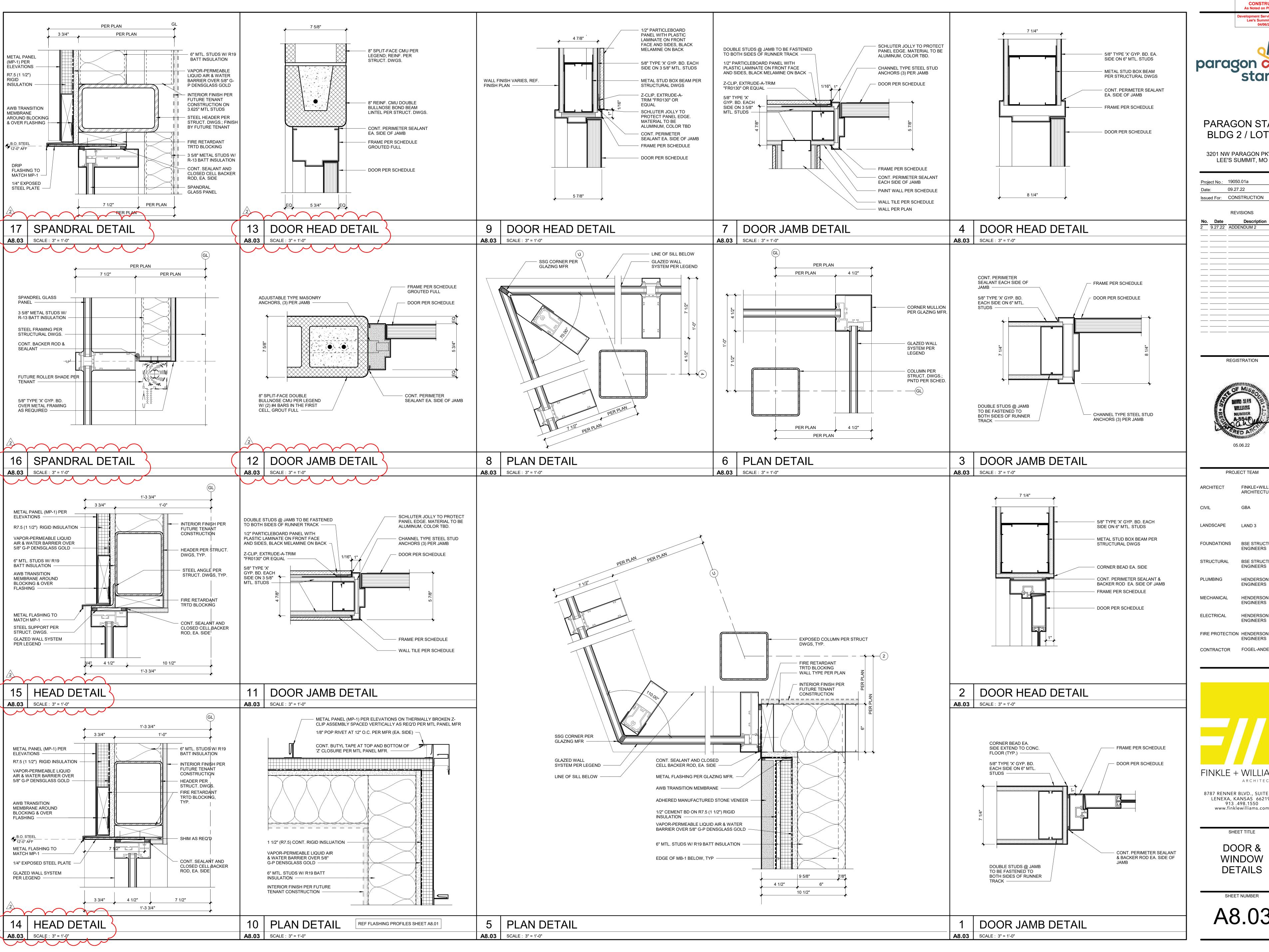
ARCHITECTURE 8787 RENNER BLVD., SUITE 100

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SHEET TITLE

DOOR & WINDOW **DETAILS**

SHEET NUMBER A8.02





Lee's Summit, Missouri



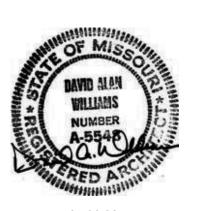
PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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9.27.22 ADDENDUM 2

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE CIVIL

LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS**

HENDERSON **ENGINEERS** ELECTRICAL HENDERSON **ENGINEERS**

ENGINEERS CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS

ARCHITECTURE 8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219

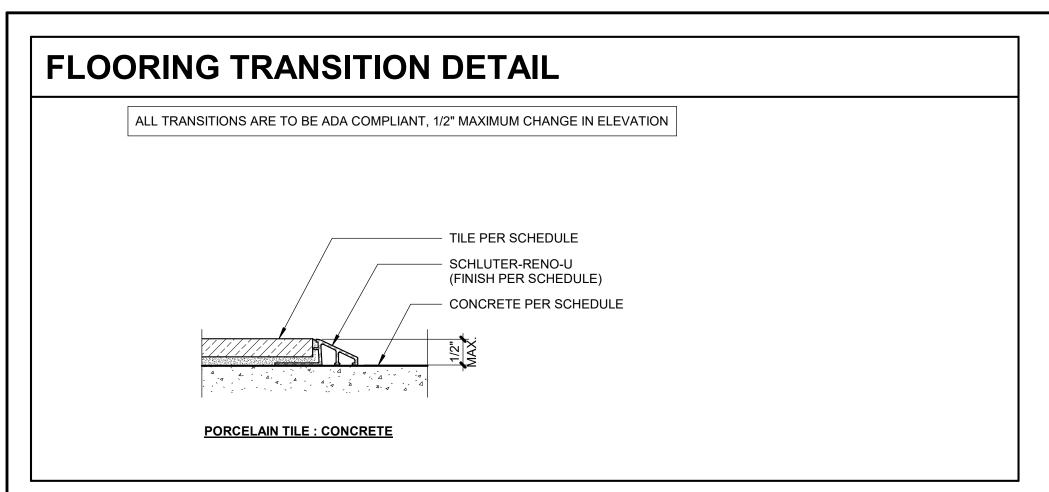
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SHEET TITLE

DOOR & **WINDOW DETAILS**

SHEET NUMBER

A8.03



ROOM FINISH LEGEND

FLOOR FINISHES REFERENCE FLOOR PLAN FOR LOCATION OF FLOOR FINISH TRANSITIONS & PATTERN.

FTL: PORCELAIN TILE W/ 1/8" MAX. GROUT JOINTS W/ SILICONE SEALER. PROVIDE CRACK BRIDGING MEMBRANE OVER ALL CONTROL JOINTS & COLD JOINTS IN SLAB, INSTALL PER TCNA AND MANUFACTURER'S GUIDELINES

- FTL-1: MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NATURAL,
 SIZE: 24"x47" 98660R; SEE FINISH PLANS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 02 PEWTER
- FTL-2: MFR: ERGON ENGINEERED STONE. COLLECTION: STONE PROJECT. COLOR: WHITE CONTROFALDA NATURAL.

SIZE: 8"x47" 82660R; SEE FINISH PLANS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 02 PEWTER

- FTL-3: MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NATURAL, SIZE: 12"x24" BULLNOSE GRADINO STAIR TREAD 70660R; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 02 PEWTER
- FTL-4: MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL,
 SIZE: 12"x24" 63669R; SEE FINISH PLANS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 10 BLACK
 CON: CONCRETE
- CON-1: CONCRETE FLOOR W/ ASHFORD FORMULA SEALER WITH METZGER/MCGUIRE RE 88 SEMI-RIGID POLYUREA OR EQUAL FLOOR JOINT FILLER.

BASE FINISHES REFERENCE ROOM FINISH DESIGNATIONS ON FLOOR PLAN & INTERIOR ELEVATIONS FOR BASE FINISH

- **RB:** .125" THERMOPLASTIC RUBBER RESILIENT WALL BASE
- RB-01: MFR: ROPPE, SIZE: 4" COVE, COLOR: 123 CHARCOAL, ROLL GOODS ONLY
- TB: 3" TILE BASE TO COORD. WITH FLOOR TILE
- TB-01: MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NAT. RETT., SIZE: 3"x24" 88660R

ALL FINISHES ALL GYPSUM BOARD WALLS PERPENDICULAR TO EXTERIOR WALL WITH WINDOWS TO RECEIVE PAINT ARE TO HAVE A LEVEL 5 DRYWALL FINISH.

- PT: ACRYLIC LATEX COATING 2 FINISH COATS OVER PRIMER
- PT-01: SHERWIN WILLIAMS, WHITE HERON, SW7627, EGGSHELL LATEX COATING
- PT-02: SHERWIN WILLIAMS, IRON ORE, SW7069, EGGSHELL LATEX COATING
 PT-03: SHERWIN WILLIAMS, WORLDLY GRAY, SW7043, SEMI-GLOSS LATEX COATING
 PT-04: SHERWIN WILLIAMS, GRIFFIN, SW7026, SEMI-GLOSS LATEX COATING
- EPT: POLYAMIDE EPOXY COATING 2 FINISH COATS OVER PRIMER
- EPT-01: SHERWIN WILLIAMS, WHITE HERON, SW7627, SEMI-GLOSS EPOXY COATING
- FRP: FIBERGLASS REINFORCED PLASTIC PANEL
- FRP-01: PANOLAM FRP, COLOR GRAY, PROVIDE COLOR MATCHED SEAM TREATMENTS AND MOLDINGS
- WTL: PORCELAIN TILE W 1/8" MAX GROUT JOINTS, INSTALL PER TCNA AND MANUFACTURER'S GUIDELINES
- WTL-01: MFR: STONE PEAK, COLOR: WHITE PLANE HONED USH3030087, SIZE: 30"x30", STRAIGHT STACK PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 01 ALABASTER
- WTL-02: MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL
- SIZE: 8"x47" 82669R; SEE ELEVATIONS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 10 BLACK
- WTL-03: MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL, SIZE: 12"x24" 63669R; SEE ELEVATIONS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 10 BLACK
- WTL-04: MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NATURAL, SIZE: 8"x47" 82660R; SEE ELEVATIONS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 02 PEWTER

CASEWORK FINISHES

LAM: PLASTIC LAMINATE

- LAM-01: MFR: WILSONART, COLOR: WALNUT HEIGHTS 7965K-12 (SOFT GRAIN FINISH WITH AEON SCRATCH RESISTANCE)
- ST: NATURAL STONE
- ST-01: 2CM BLUE PEARL QUARTZ, SEAL WITH PENETRATING SEALER

CEILING FINISHES REFERENCE REFLECTED CEILING PLAN(S) FOR CEILING FINISH LOCATIONS & TRANSITIONS.

- **GB**: GYPSUM WALLBOARD W/ FLAT FINISH ACRYLIC LATEX PAINT 2 FINISH COATS OVER PRIMER
- GB-01: SHERWIN WILLIAMS SW 7007 "CEILING BRIGHT WHITE"

 EXP: EXPOSED CEILING WITH PAINTED DECK, STRUCTURE AND DUCTS
- EXP-01: SHERWIN WILLIAMS, WATERBORNE ACRYLIC DRYFALL, COLOR SW 6258 TRICORN BLACK

GENERAL FINISH NOTES

- ROOM FINISH SCHEDULE IS FOR GENERAL COORDINATION OF FINISHES. REFERENCE ROOM FINISH PLANS, INTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR COORDINATION OF ALL FINAL FINISHES.
- 2. WHERE MULTIPLE FINISHES ARE INDICATED ON ANY SURFACE REFER TO THE DRAWINGS FOR EXTENT OF EACH FINISH.
- 3. STOP WALL / CEILING PAINT COLORS AND FINISH MATERIAL CHANGES AT INSIDE CORNERS, UNLESS NOTED OTHERWISE.
- 4. ALCOVES AND CLOSETS WITHOUT A ROOM IDENTIFICATION NUMBER SHALL HAVE THE SAME FINISHES AS THE ADJOINING SPACE.
 5. ALL FLOOR FINISHES TRANSITIONING AT DOORWAYS SHALL BE CENTERED ON THE CLOSED DOOR, UNLESS NOTED OTHERWISE.
- 6. WHERE NO BASE IS INDICATED CONTINUE WALL FINISH TO FLOOR.
- . CONTINUE WALL AND FLOOR FINISH AS SCHEDULED BEHIND OR UNDER OPEN MILLWORK / CASEWORK WHEN WALL OR FLOOR IS EXPOSED TO VIEW, UNLESS NOTED OTHERWISE.
- 8. SOFFITS TO BE PAINTED TO MATCH GB-1 UNLESS NOTED OTHERWISE.
- . ALL EXPOSED DUCTWORK, ELECTRICAL CONDUIT, PLUMBING SUPPLY, WASTE OR VENTING AND ALL OTHER PIPING SHALL BE PAINTED TO MATCH ADJACENT WALL OR CEILING FINISH, UNLESS NOTED OTHERWISE.
- 10. ALL MECHANICAL GRILLES, ACCESS PANELS, RECESSED SPEAKERS (IF APPROVED BY MANUFACTURER), AND OTHER MECHANICAL PANELS SHALL BE PAINTED TO MATCH ADJACENT SURFACES UNLESS FACTORY FINISH OR OTHER COLOR IS SPECIFIED. CONCEALED SPRINKLER HEADS TO BE PROVIDED
- WITH FACTORY-APPLIED FINISH TO MATCH ADJACENT FINISH, UNLESS NOTED OTHERWISE.

 11. TILE INDICATED ON WALLS IS TO BE FULL HEIGHT, UNLESS NOTED OTHERWISE.
- 12. ALIGN FLOOR AND WALL TILE JOINTS, UNLESS NOTED OTHERWISE.
- 13. PAINT ALL HOLLOW METAL DOORS AND FRAMES W/ 2 COATS OF SEMI-GLOSS, ACRYLIC LATEX PAINT TO MATCH ADJACENT WALL, U.N.O.
- 14. DOOR FRAME FINISH TRANSITIONS SHALL BE AT THE INSIDE CORNER OF THE STOP ON THE DOOR SIDE.
- 15. DUAL FINISH DOORS SHALL HAVE MATCHING FRONT FACE AND STRIKE EDGE AND MATCHING BACK FACE AND HINGE EDGE.
- 16. REFER TO FLOOR TRANSITION DETAILS WHERE DISSIMILAR FLOOR MATERIALS MEET.
- 17. ALL GYPSUM BOARD WALLS, SOFFITS AND CEILINGS PERPENDICULAR TO EXTERIOR WALL WITH WINDOWS TO RECEIVE PAINT ARE TO HAVE A LEVEL 5 DRYWALL FINISH.
- 18. WINDOW COVERINGS ARE NOT IN CORE AND SHELL SCOPE. FUTURE WINDOW COVERINGS ARE BY TENANT AND MUST FOLLOW DESIGN GUIDELINES.

ROOM FINISH SCHEDULE											
	ROOM				WALLS					WORK	
NO.	NAME	FLOOR	BASE	N	E	S	W	CEILING	TOP	BASE	REMARKS
100	VESTIBULE	FTL-01 / FTL-02	TB-01	PT-01	PT-01	PT-01	PT-01	GB-01	-	-	
101	LOBBY	FTL-01 / FTL-02	TB-01	PT-01	PT-01	PT-01 / WTL-02	PT-01	GB-01	-	-	1, 6, 7, 11, 12, 13
102	ELEV	FTL-02	-	-	-	-	-	-	-	-	3
103	ELECT./IT	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	-	-	-	
104	FUTURE TENANT	-	-	-	-	-	-	-	-	-	2
105	WEST VESTIBULE	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	GB-01	-	-	
106	WEST STAIR	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	EXP-01	-	-	9
107	ELECTRICAL	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	-	-	-	
108	FUTURE TENANT	-	-	-	-	-	-	-	-	-	2
109	EAST VESTIBULE	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	GB-01	-	-	
110	EAST STAIR	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	EXP-01	-	-	9
111	FIRE RISER ROOM	CON-01	RB-01	EPT-01	EPT-01	EPT-01	EPT-01	-	-	-	
112	ELECTRICAL	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	-	-	-	
113	METER ENCLOSURE	-	-	-	-	-	-	-	-	-	(14)
200	LOBBY	FTL-01 / FTL-02	TB-01	PT-01	PT-01	PT-01 / PT-02 / WTL-02	PT-01	EXP-01	-	-	1, 6, 7, 11, 12
201	ELEV	FTL-02	-	-	-	-	-	-	-	-	3
202	HALL	FTL-01 / FTL-02	TB-01	-	PT-02 / WTL-02	PT-01	PT-01 / WTL-04	GB-01	-	-	1, 12
203	ELECTRICAL/ TELECOM	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	-	-	-	
205	JANITOR	CON-01	RB-01	FRP-01 / EPT-01	FRP-01 / EPT-01	FRP-01 / EPT-01	FRP-01 / EPT-01	-	-	-	4
206	MENS RR	FTL-04	-	WTL-01	WTL-01	WTL-01 / WTL-03	WTL-01	GB-01	ST-01	-	1, 5, 10
207	WOMENS RR	FTL-04	-	WTL-01 / WTL-03	WTL-01	WTL-01	WTL-01	GB-01	ST-01	-	1, 5, 10
208	FUTURE OFFICE TENANT WEST	-	-	-	-	-	-	-	-	-	2, 8
209	WEST STAIR	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	EXP-01	-	-	9
210	FUTURE OFFICE TENANT EAST	-	-	-	-	-	-	-	-	-	2, 8
211	EAST STAIR	CON-01	RB-01	PT-01	PT-01	PT-01	PT-01	GB-01	-	-	9

SCHEDULE REMARKS

- (1) REF. INTERIOR ELEVATIONS AND FINISH PLANS FOR ADDITIONAL INFORMATION ON FINISH LOCATIONS.
- (2) INTERIOR FINISHES BY FUTURE TENANT.
- (3) REF. ELEVATOR TRIM PACKAGE BASIS OF DESIGN ON SHEET A6.04
- (4) PROVIDE FRP TO 8'-0" ON ALL WALLS.
- (5) LAMINATE (LAM-1) PANELS ON FRONT WALL OF TOILET "ROOMS". REFERENCE FINISH PLANS AND ELEVATIONS.
- (6) PAINT EXPOSED STEEL STAIR STRINGER PT-03
- (7) STAIR LANDINGS TO BE FTL-1. STAIR TREADS TO BE FTL-3. STAIR RISERS TO BE FTL-2.
- (8) ACOUSTICAL CEILING SOFFIT IN SECOND LEVEL 'FUTURE TENANT' SPACES PER RCP.
- (9) PAINT EXPOSED STEEL AND HANDRAILS PT-02
- (10) UNFINISHED EXPOSED WALL TILE EDGES TO RECEIVE ANODIZED ALUMINUM TRIM EQUAL TO SCHLUTER JOLLY, FINISH SATIN NICKEL
- (11) UNFINISHED EXPOSED WALL TILE EDGES TO RECEIVE ANODIZED ALUMINUM TRIM EQUAL TO SCHLUTER JOLLY, FINISH BRUSHED GRAPHITE
- (12) REF. FINISH PLANS FOR FLOOR PATTERN
- (13) CONCRETE CURB UNDER STAIR TO BE TILED USING FTL-02. FLOOR INSIDE CURB TO BE FTL-01/FTL-02 PATTERN, REFERENCE FINISH PLAN.





CONSTRUCTION
As Noted on Plans Review



PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 09.27.22

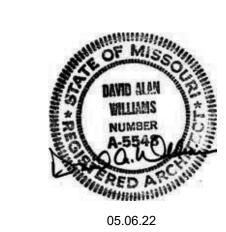
Issued For: CONSTRUCTION

REVISIONS

No. Date Description

2 9.27.22 ADDENDUM 2

REGISTRATION



PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

BSE STRUCTRAL ENGINEERS

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON

STRUCTURAL

ELECTRICAL HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON

FINKLE + WILLIAMS

8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

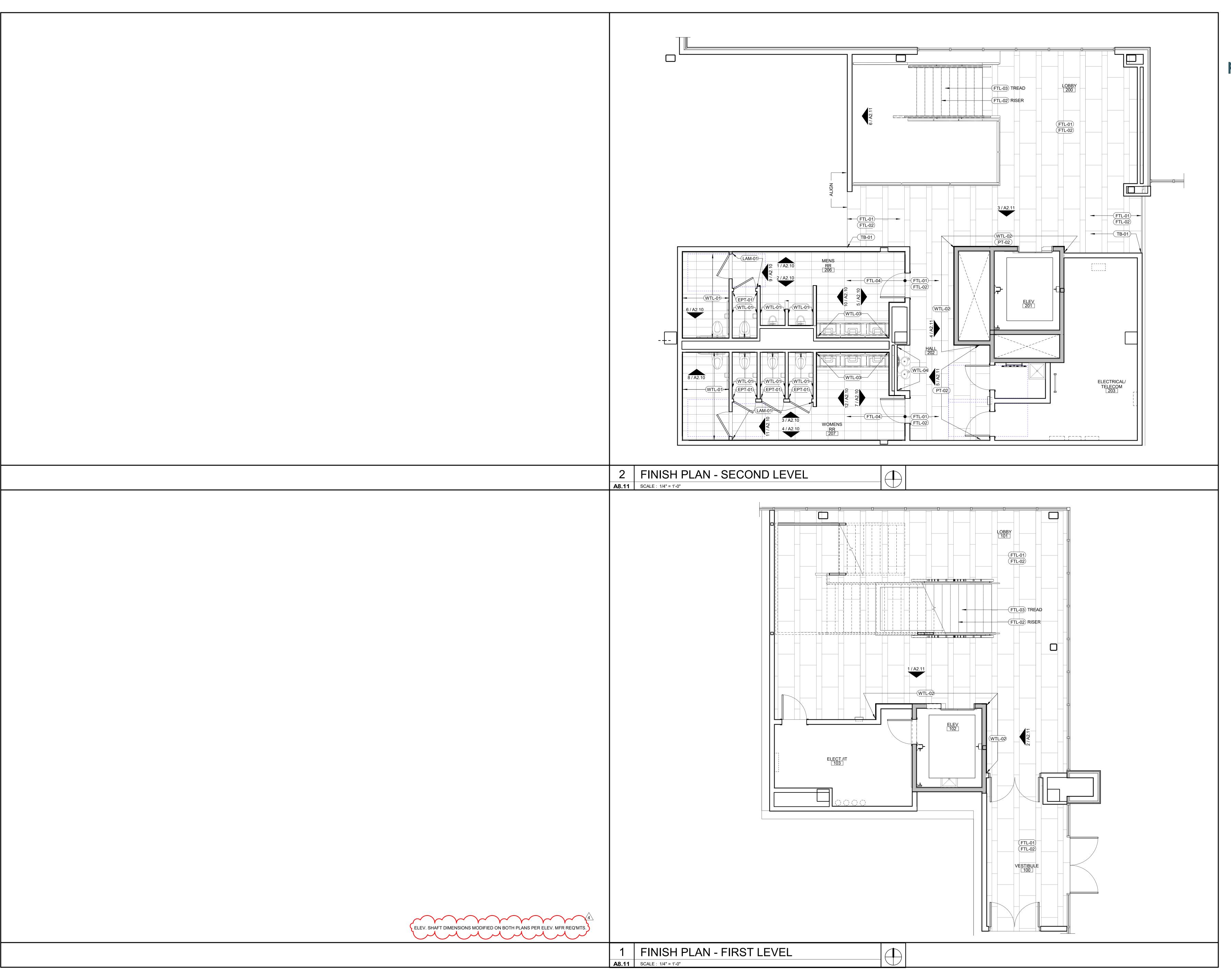
ARCHITECTURE

SHEET TITLE

FINISH SCHEDULE AND

SHEET NUMBER

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PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

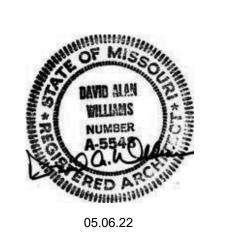
Project No.: 19050.01a

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REVISIONS

REGISTRATION



PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS
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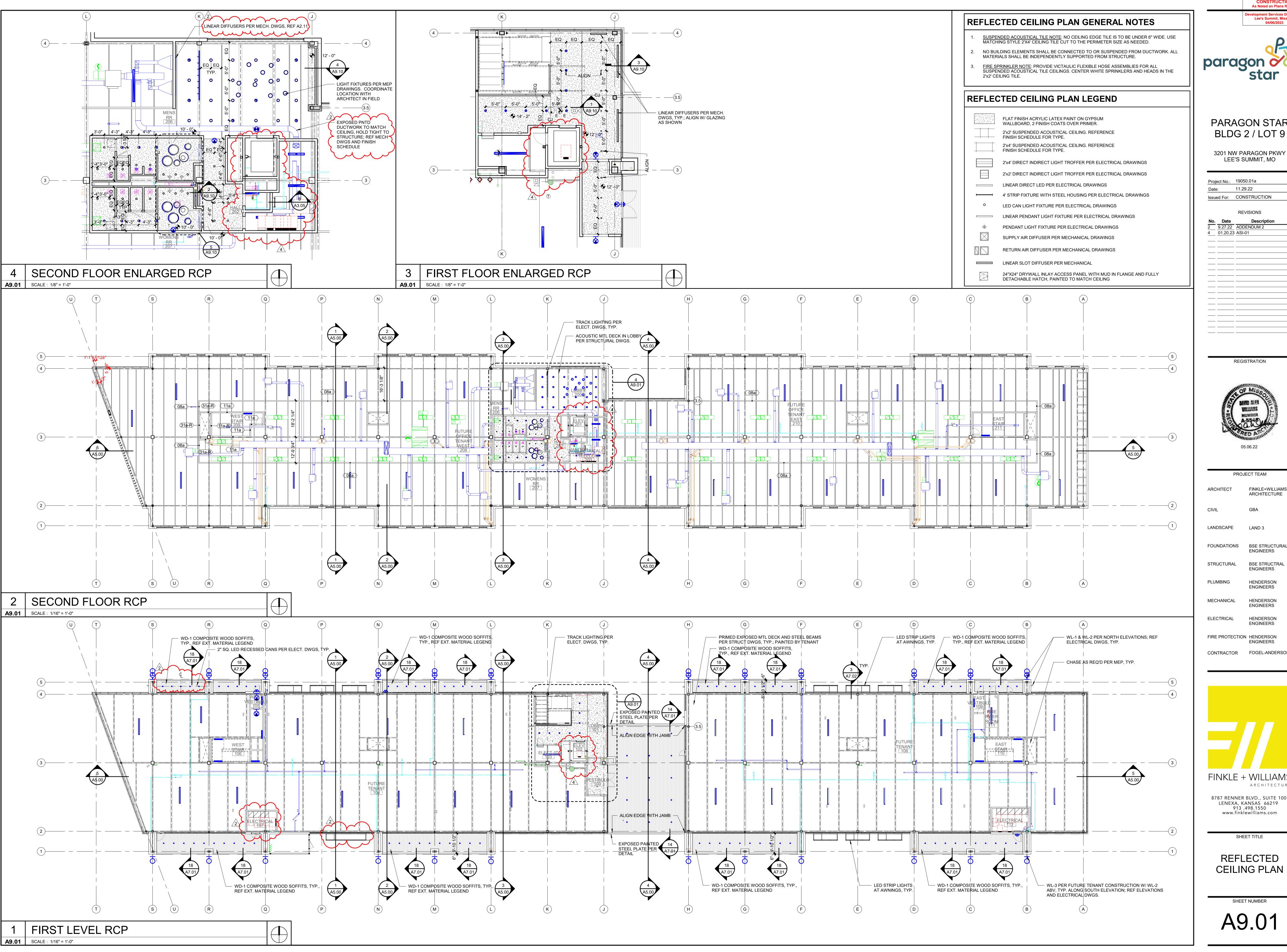
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
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SHEET TITLE

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FINISH PLAN

A8.11





Lee's Summit, Missouri

PARAGON STAR

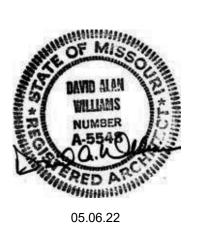
BLDG 2 / LOT 9

LEE'S SUMMIT, MO

Project No.: 19050.01a 11.29.22 Issued For: CONSTRUCTION REVISIONS

4 01.20.23 ASI-01

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL STRUCTURAL BSE STRUCTRAL ENGINEERS

> HENDERSON **ENGINEERS**

> HENDERSON

ENGINEERS FIRE PROTECTION HENDERSON

CONTRACTOR FOGEL-ANDERSON

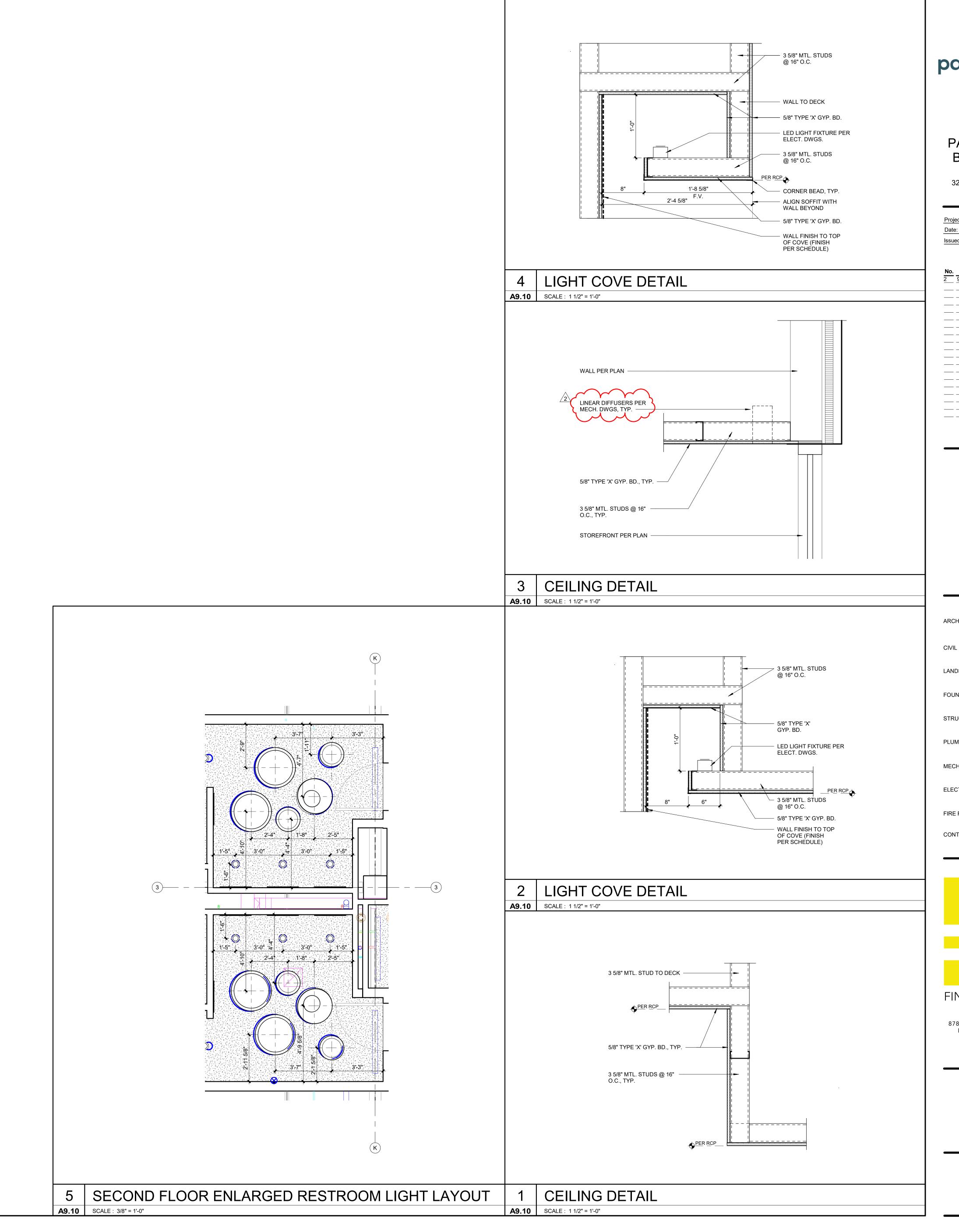
FINKLE + WILLIAMS

ARCHITECTURE 8787 RENNER BLVD., SUITE 100

LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

REFLECTED **CEILING PLAN**







PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a

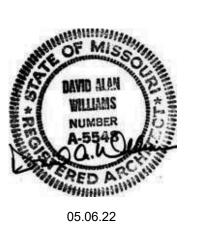
Date: 09.27.22

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REVISIONS

No. Date Descrip
9.27.22 ADDENDUM 2

REGISTRATION



05.06.22

PROJECT TEAM

CHITECT FINKLE+WILLIAMS

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL ENGINEERS

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON ENGINEERS

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FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR FOGEL-ANDERSON



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SHEET TITLE

CEILING DETAILS

A9.10

DIVISION 1 - GENERAL REQUIREMENTS

- A. IF ANY ALTERNATES ARE INDICATED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL FURNISH A SEPARATE PRICE FOR ALL MATERIAL. TAXES, FREIGHT. MARKUP, DELIVERY, LABOR, OVERHEAD AND PROFIT FOR THAT PORTION OF THE WORK. THE PROPOSED ALTERNATE MAY THEN BE ADDED OR DEDUCTED FROM THE CONTRACT SUM IF THE OWNER ACCEPTS THE ALTERNATE.
- A. IF ANY UNIT PRICES ARE REQUESTED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL FURNISH A PRICE INCLUDING ALL NECESSARY MATERIAL, TAXES, FREIGHT, MARKUP, DELIVERY, LABOR, OVERHEAD, AND PROFIT PER UNIT OF MEASUREMENT FOR WORK THAT MAY BE ADDED OR DEDUCTED FROM THE CONTRACT SUM IF ESTIMATED QUANTITIES OF WORK REQUIRED BY THE CONSTRUCTION DOCUMENTS ARE INCREASED OR DECREASED.

CHANGE ORDERS

A. WHEN CHANGES TO THE CONTRACT SUM OR SCHEDULE ARE NECESSARY, CONTRACTOR SHALL SUBMIT AN ELECTRONIC COPY OF THE PROPOSED CHANGE ORDER AND SUPPORTING DOCUMENTATION TO THE ARCHITECT FOR REVIEW. BEFORE PROCEEDING WITH WORK RELATED TO CHANGE ORDERS, CONTRACTOR SHALL OBTAIN OWNER'S WRITTEN APPROVAL.

4. PAYMENT APPLICATIONS A. PRIOR TO SUBMITTAL OF EACH FORMAL MONTHLY PAYMENT APPLICATION, THE

- CONTRACTOR SHALL SUBMIT TO THE ARCHITECT AN ELECTRONIC DRAFT OF THE PROPOSED PAYMENT APPLICATION WITH A SCHEDULE OF VALUES INDICATING THE ESTIMATED PERCENT COMPLETE IN EACH CATEGORY. FOLLOWING REVIEW AND ADJUSTMENT (IF ANY) OF THE DRAFT, CONTRACTOR SHALL SUBMIT AN ELECTRONIC COPY OF THE PROPERLY EXECUTED PAYMENT APPLICATION, SCHEDULE OF VALUES, AND LIEN WAIVERS FOR ARCHITECT'S REVIEW.
- CONTRACTOR SHALL PREPARE AND SUBMIT SUBMITTALS REQUIRED BY INDIVIDUAL SPEC SECTIONS ELECTRONICALLY, EMAILED OR ONLINE PROJECT MANAGEMENT SOFTWARE. FOR ARCHITECT'S REVIEW. PHYSICAL SAMPLES SHOULD BE DELIVERED TO THE ARCHITECT'S OFFICE
 - PROCESSING TIME: INITIAL REVIEW: MIN. 10 DAYS RESUBMITTAL REVIEW (AS REQUIRED): MIN. 5 DAYS
- CERTIFICATES AND CERTIFICATIONS SUBMITTALS: INCLUDES SIGNATURE OF ENTITY RESPONSIBLE FOR PREPARING CERTIFICATION IPROVIDE DIGITAL SIGNATURE ON ELECTRONICALLY SUBMITTED CERTIFICATES AND CERTIFICATIONS WHERE INDICATED]
- DELEGATED-DESIGN SERVICES CERTIFICATION: IN ADDITION TO OTHER REQUIRED SUBMITTALS, SUBMIT DIGITALLY SIGNED PDF ELECTRONIC FILE, SIGNED AND SEALED BY THE RESPONSIBLE DESIGN PROFESSIONAL
- BIM INCORPORATION [BY CONTRACTOR] IF REQUIRED BY OWNER. CONTRACTOR'S SUBMITTAL REVIEW: CONTRACTOR SHALL REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT. 1. ARCHITECT WILL NOT REVIEW SUBMITTALS THAT DO NOT HAVE CONTRACTOR'S REVIEW AND APPROVAL
- 1.8 CONSTRUCTION PERIOD TESTING A. THE OWNER SHALL ENGAGE AN INDEPENDENT TESTING AGENCY TO PERFORM CODE-REQUIRED "SPECIAL INSPECTIONS" AND QUALITY CONTROL TESTING. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING TIMES FOR TESTS, INSPECTIONS, AND OBTAINING SAMPLES AND NOTIFYING TESTING AGENCY
- 1.9 REFERENCE STANDARDS A. CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE MOST RECENT STANDARDS IN EFFECT AS OF THE DATE OF THE CONSTRUCTION DOCUMENTS, UNLESS INDICATED
- A. PUNCHLIST PRIOR TO SCHEDULING A SUBSTANTIAL COMPLETION WALK-THROUGH TO DEVELOP A PUNCHLIST OF ITEMS REQUIRING COMPLETION, PROJECT SHALL BE FINAL CLEANED, TOUCH-UP PAINTED, AND DAMAGED CEILING TILE REPLACED. UPON ARRIVAL, IF THE ARCHITECT DETERMINES THE PROJECT IS NOT READY FOR WALK-THROUGH, THE PUNCHLIST SHALL BE RESCHEDULED. 1. WHEN THE CONTRACTOR CONSIDERS THE PUNCHLIST ITEMS FULLY COMPLETED, A FINAL WALK-THROUGH SHALL BE SCHEDULED TO REVIEW THE COMPLETED
- PRIOR TO PROJECT COMPLETION, CONTRACTOR SHALL SUBMIT/COMPLETE THE ONE (1) SET OF CONSTRUCTION DRAWINGS NEATLY MARKED UP TO SHOW ACTUAL INSTALLATION WHERE INSTALLATION VARIES FROM THAT SHOWN ON ORIGINALLY ON THE CONSTRUCTION DOCUMENTS.
- 2. TWO (2) COPIES OF OPERATION AND MAINTENANCE MANUALS INCLUDING SUBCONTRACTOR AND SUPPLIER CONTACT INFORMATION, MAINTENANCE AND SERVICE INSTRUCTIONS. SCHEDULES, EMERGENCY INSTRUCTIONS, SPARE PARTS LISTS, WIRING DIAGRAMS, AND WARRANTY INFORMATION.
- 3. TRAINING OF OWNER PERSONNEL ON USE AND MAINTENANCE OF MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ALARM, SECURITY, IRRIGATION, AND OTHER BUILDING SYSTEMS.

DIVISION 2 - SITE WORK

SEE CIVIL AND LANDSCAPE PLANS AND SPECIFICATIONS

DIVISION 3 - CONCRETE

SEE STRUCTURAL PLANS AND SPECIFICATIONS

DIVISION 4 - MASONRY

047200 CAST STONE

- SUBMITTALS: PRODUCT DATA, SAMPLES, AND SHOP DRAWINGS INDICATING DIMENSIONS JOINT LOCATIONS, RUSTICATION, EDGE CONDITIONS, EMBED LOCATIONS, AND
- B. <u>FABRICATOR</u>: A PRODUCING MEMBER OF THE CAST STONE INSTITUTE.
- CAST STONE UNITS: UNITS SHALL COMPLY WITH ASTM C1364, SHALL RESIST FREEZE-HAW, SLOPE HORIZONTAL SURFACES 1:12 MINIMUM AND SHALL HAVE DRIPS ON PROJECTING ELEMENTS UNLESS NOTED OTHERWISE.
- D. <u>COLOR AND TEXTURE</u>: TO BE SELECTED
- E. <u>ANCHORS AND DOWELS</u>: TYPE 304 STAINLESS STEEL
- INSTALLATION: UNITS SHALL BE FULLY CURED PRIOR TO INSTALLATION. INSTALL CAST STONE UNITS SET IN FULL BED OF MORTAR WITH FULL HEAD JOINTS. RAKE OUT ALL JOINTS TO MINIMUM 3/4" AND INSTALL SEALANT TO MATCH CAST STONE (COLOR TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS AND SHALL BE VERIFIED FROM A 12" LONG FIELD APPLIED SAMPLE PRIOR TO COMPLETE INSTALLATION).
- CLEANING AND PATCHING: EXPOSED FACES OF CAST STONE UNITS SHALL BE PROTECTED FROM MORTAR AND STAINING DURING CONSTRUCTION. AFTER MORTAR IS THOROUGHLY SET AND CURED, CAST STONE SHALL BE CLEANED WITH A PRODUCT EXPRESSLY APPROVED FOR USE BY CLEANER MANUFACTURER AND CAST STONE MANUFACTURER. EXCESSIVE STAINING AND AN UNEVEN APPEARANCE SHALL BE CAUSE FOR REJECTION. MINOR PATCHING SHALL BE ALLOWED PROVIDED PATCH CAN BE BLENDED TO MATCH UNITS. UNITS WITH SIGNIFICANT CHIPS OR BREAKAGE SHALL BE REFABRICATED.

042000 UNIT MASONRY ASSEMBLIES

- SUBMITTALS: PRODUCT DATA FOR MASONRY UNITS AND ACCESSORIES INCLUDING THREE SAMPLES OF EACH BRICK OR CMU UNIT TO ILLUSTRATE COLOR AND TEXTURE RANGE.
- MASONRY UNITS: COMPLY WITH ACI 530.1/ASCE 6/TMS 602 1. CONCRETE MASONRY UNITS: ASTM C90, NORMAL WEIGHT WITH SPECIAL SHAPES FOR LINTELS, CORNERS, JAMBS, SASH, CONTROL JOINTS, AND OTHER SPECIAL CONDITIONS. BULLNOSE UNITS FOR OUTSIDE CORNERS, DOOR AND WINDOW JAMBS, AND SILLS, UNLESS OTHERWISE INDICATED. 2. DECORATIVE CONCRETE MASONRY UNITS: ASTM C90 NORMAL WEIGHT WITH
- INTEGRAL WATER REPELLANT AND SPECIAL SHAPES FOR LINTELS, CORNERS, JAMBS. SASH, CONTROL JOINTS, AND OTHER SPECIAL CONDITIONS. BULLNOSE UNITS FOR OUTSIDE CORNERS, DOOR AND WINDOW JAMBS, AND SILLS, UNLESS OTHERWISE INDICATED.
- CONCRETE LINTELS: PRECAST UNITS MATCHING CMU WITH REINFORCING AS INDICATED OR AS REQUIRED TO SUPPORT LOADING. 4. FACE BRICK: ASTM C 216, GRADE SW, TYPE FBS, SIZE AND COLOR PER

CONSTRUCTION DOCUMENTS.

- MORTAR: ASTM C 270 PROPORTION SPECIFICATION, TYPE S ABOVE GRADE, TYPE M GROUT: ASTM C 476 WITH A SLUMP OF 8-11 INCHES, 28-DAY COMPRESSIVE STRENGTH OF 2,000 PSI MINIMUM.
- REINFORCEMENT: SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR SPECIFICATIONS
- TIES AND ANCHORS: HOT-DIP GALVANIZED STEEL, TWO-PIECE, ADJUSTABLE MASONRY VENEER ANCHORS THAT ALLOW VERTICAL OR HORIZONTAL ADJUSTMENT BUT RESIST TENSION AND COMPRESSION FORCES PERPENDICULAR TO THE PLANE OF THE WALL DESIGNED FOR ATTACHMENT OVER SHEATHING TO STUDS AND ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.
- FLASHING: [45 MIL EPDM], [STAINLESS STEEL 0.0156 INCH THICK]
- COMPRESSIBLE FILLER: PREMOLDED STRIPS ASTM 1056, GRADE 2A1 PREFORMED CONTROL JOINTS: SBR OR PVC DESIGNED TO FIT STANDARD SASH
- WEEP HOLES: 1/4"-3/8"x24" COTTON OR POLYPROPYLENE ROPE.
- CAVITY INSULATION: POLYISOCYANURATE BOARD ASTM C 1289, TYPE 1, CLASS 2, ALUMINUM FOIL FACED 5. MORTAR NET: INSTALL SAWTOOTH MESH MORTAR NET IN ALL MASONRY DRAINAGE
- 6. FIELD-APPLIED CLEAR WATERPROOF SEALER

(UNIT MASONRY CONT.)

- MIX MASONRY UNITS FROM DIFFERENT PALLETS FOR UNIFORM BLEND OF COLOR AND TEXTURE. INSTALL MASONRY UNITS W/ UNIFORM BED AND HEAD JOINTS IN FULL BED OF MORTAR WITH FULL HEAD JOINTS IN RUNNING BOND (UNLESS NOTED OTHERWISE)
- KEEPING CAVITIES CLEAN OF MORTAR AND DEBRIS. TOOL MORTAR JOINTS SLIGHTLY FLASHING: INSTALL THROUGH-WALL FLASHING AND WEEP HOLES AT 24" O.C. AT ALL SHELF ANGLES, LINTELS, LEDGES, AND OTHER OBSTRUCTIONS TO THE DOWNWARD FLOW OF WATER. FLASHING SHALL BE PLACED ON A SLOPING BED OF MORTAR AND SHALL EXTEND 1/4" BEYOND FACE OF MASONRY AND BE TRIMMED STRAIGHT AND TRUE. JOINTS IN FLASHING SHALL BE SEALED AND 2" HIGH DAMS SHALL BE FORMED AT END OF FLASHING. WICKS SHALL BE TRIMMED FLUSH WITH FACE OF MASONRY.
- MINIMUM 8" BEARING AT EACH JAMB AND FILL CORES IN MASONRY UNDER EACH LINTEL BEARING FULL HEIGHT OF JAMB. CLEANING: CLEAN MASONRY AS THE WORK PROGRESSES AND WHEN MORTAR IS HOROUGHLY SET AND CURED, CLEAN WITH A PROPRIETARY CLEANER APPROVED BY BRICK MANUFACTURER TO REMOVE EXCESS MORTAR

LINTELS: INSTALL LINTELS ABOVE ALL OPENINGS AND WHERE INDICATED WITH

044313.16 ADHERED STONE MASONRY VENEER

- PRODUCT DATA FOR CULTURED STONE PRODUCTS AND ACCESSORIES THREE (3) SAMPLES OF EACH STONE TO ILLUSTRATE COLOR AND TEXTURE RANGE SHOP DRAWINGS DEPICTING PROPER INSTALLATION AND FLASHING
- PROVIDE MANUFACTURERS 50-YEAR LIMITED WARRANTY

MANUFACTURED STONE VENEER: BASIS OF DESIGN: CULTURED STONE BY BORAL & ELDORADO, REFER TO ELEVATIONS FOR COLOR, FINISH, AND LOCATIONS

- 1. PERFORMANCE CRITERIA: CONFORMING WITH ASTM C1670: a. COMPRESSIVE STRENGTH: >1800 PSI FOR 5 SPECIMANS AND >2100 PSI FOR INDIVIDUAL SPECIMAN (ASTM C 39 AND ASTM C 192) BOND BETWEEN MANUFACTURED MASONRY UNIT, MORTAR AND BACKING: NOT
- LESS THAN 50 PSI (ASTM C177) THERMAL RESISTANCE: R-VALUE NOT LESS THAN 0.355 PER INCH (ASTM C 177) FREEZE/THAW: NO DISINTEGRATION AND < 3% WEIGHT LOSS (ASTM C 67) WATER ABSORPTION: TESTED IN ACCORDANCE WITH UBC 15-5 9-22%
- UNIT WEIGHT: <15 PSF SATURATED FLAMESPREAD: 25 SMOKE DEVELOPMENT: 450
- UV STABLE MINERAL OXIDE PIGMENTS
- PROVIDE (2) LAYERS OF WATER BARRIER AS REQ'D BY MFR.
- a. ICC ES AC 51 ACCEPTANCE CRITERIA FOR MANUFACTURED STONE VENEER OR INDEPENDENT LAB TEST INDICATING COMPLIANCE WITH ASTM C-1670 ACCESSORIES:
- INCLUDE MATCHING CORNER PIECES
- EXPANDED METAL LATH: 3.4 LB/SQ YARD, SELF-FURRING, DIAMOND-MESH LATH COMPLYING WITH ASTM C 847, FABRICATE FROM STRUCTURAL QUALITY, ZINC-COATED (GALVANIZED) STEEL SHEET COMPLYING WITH ASTM A 653/A 653M, G60. WEEP SCREED: PVC MATERIAL MEETING ASTM D 1784 FOR PVC COMPOUNDS, COLOR SELECTED FROM MFR FULL RANGE.
- D. MORTAR AND GROU
 - GENERAL: DO NOT USE ADMIXTURES UNLESS OTHERWISE INDICATED. a. DO NOT USE CALCIUM CHLORIDE USE PORTLAND CEMENT-LIME MORTAR UNLESS OTHERWISE INDICATED. FOR SCRATCH COAT OR GROUTING MORTARS - SITE MIXED: MEETS THE REQUIREMENTS OF ASTM C270 TYPE N OR S. PREBLENDED: MEETS THE
 - REQUIREMENTS OF ASTM C1714/C1714M TYPE N OR TYPE S POLIMER/LATEX MODIFIED PORTLAND CEMENT SETTING MORTAR COMPLYING WITH ANSI 118.4, 118.11 OR 118.15 UNLESS OTHERWISE RECOMMENDED BY MFR.
- METAL FLASHING: PROVIDE STAINLESS STEEL, TYPE 304, .4MM THICK METAL FLASHING WHERE FLASHING IS EXPOSED. FABRICATE METAL DRIP EDGES FROM STAINLESS STEEL, EXTEND AT LEAST 3" INTO WALL AND 1/2" OUT FROM WALL WITH OUTER EDGE
- BENT DOWN 30 DEGREES AND HEMMED. FLEXIBLE FLASHING: FOR FLASHING UNEXPOSED TO EXTERIOR USE RUBBERIZED ASPHALT FLASHING NOT LESS THAN .030 INCHES THICK.
- F. <u>INSTALLATION</u>: INSTALL PRODUCT IN ACCORDANCE WITH MVMA INSTALLATION GUIDE FOR ADHERED MANUFACTURED STONE VENEER, ASTM C 1780 AND IN ACCORDANCE WITH
- MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL/APPLY RELATED MATERIALS IN ACCORDANCE WITH TYPE OF SUBSTRATE AND MANUFACTURED STONE VENEER MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL EMBEDDED FLASHING AND AT SHELF ANGLES, LINTELS, LEDGES, OTHER
- OBSTRUCTIONS TO DOWNWARD FLOW OF WATER IN WALL AND WHERE INDICATED. ANCHOR TO STUD AS REQUIRED BY MVMA AND ASTM C1780. A. AT STUD FRAMED WALLS, EXTEND FLASHING THROUGH STONE MASONRY, UP
- SHEATHING FACE AT LEAST 12 INCHES AND BEHIND WEATHER BARRIER. FASTENER TYPE AND SPACING TO BE VERIFIED WITH STRUCTURAL ENGINEER PRIOR TO ORDERING/INSTALLING.
- INSTALLATION OF ADHERED STONE MASONRY VENEER INSTALL NECESSARY WEEP SCREED AT BASE OF WALL AND OVER OPENINGS INSTALL LATH OVER BUILDING INSULATION AND FASTEN IN ACCORDANCE WITH TECHNICAL EVALUATION REPORT TER 1312-01 'BORAL STONE - ADHERED MASONRY VENEER APPLICATION OVER CONIUOUS INSULATION'
- INSTALL SCRATCH COAT OVER METAL LATH 1/2"-3/4" THICK TO FULLY ENGAGE COAT 100% OF THE BACKS OF STONE UNITS AND FACE OF SCRATCH COAT WITH CEMENT-PASTE BOND COAT, THEN BUTTER BOTH SUFRACES WITH SETTING MORTAR. USE SUFFICIENT SETTING MORTAR, SO A SLIGHT EXCESS WILL BE FORCED OUT THE EDGES OF STONE UNITS AS THEY ARE SET. COMPLETELY FILLING SPACE BETWEEN UNITS AND SCRATCH COAT. REFER TO POLYMER
- INSTRUCTIONS. RAKE OUT JOINTS FOR POINTING WITH MORTAR TO DEPTH OF NOT LESS THAN 1/2" BEFORE SETTING MORTAR HAS HARDNED. RAKE JOINTS TO UNIFORM DEPTHS WITH SQUARE BOTTOMS AND CLEAN SIDES. NO VISIBLE GROUT PER EXTERIOR LEGEND SHEET A4.01

MODIFIED MORTAR MANUFACTURER FOR THEIR SPECIFIC INSTALLATION

1. TWO LAYERS ASTM COMPLYING WITH ASTM D226 FEL OR ASTM E2556 TYPE 1 OR TYPE

CLEANING: CLEAN CULTURED STONE VENEER AS THE WORK PROGRESSES AND WHEN MORTAR IS THOROUGHLY SET AND CURED, ONLY CLEAN WALL AFTER SAMPLE PANEL HAS BEEN REVIEWE AND APPROVED BY ARCHITECT.

- END DIVISION 4 -

DIVISION 5 - METALS

- 051200 STRUCTURAL STEEL
- SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR STRUCTURAL STEEL SPECIFICATIONS.
- EXTERIOR FABRICATIONS: ALL STRUCTURAL STEEL EXPOSED TO THE EXTERIOR INCLUDING MASONRY LINTELS SHALL BE GALVANIZED AND FACTORY PRIMED READY
- FOR FINISH PAINTING, UNLESS NOTED OTHERWISE INTERIOR FABRICATIONS: FACTORY PRIMED, UNLESS NOTED OTHERWISE.

055113 METAL STAIRS AND RAILINGS

- SHOP DRAWINGS AND CALCULATIONS INDICATING MEMBER SIZES AND LAYOUT, VERTICAL AND HORIZONTAL DIMENSIONS, EDGE CONDITIONS, AND CONNECTION
- DETAILS SIGNED AND SEALED BY A QUALIFIED STRUCTURAL ENGINEER. METAL STAIRS AND RAILINGS SHALL BE DESIGNED BY FABRICATOR TO SUPPORT CODE-REQUIRED LOADING AND TO MATCH THE CONFIGURATIONS INDICATED IN THE
- CONSTRUCTION DOCUMENTS. FABRICATE ITEMS IN LARGEST PRACTICAL SECTIONS FOR DELIVERY TO SITE WITH JOINTS TIGHTLY FITTED AND SECURED WITH EXPOSED JOINTS WELDED AND GROUND
- FLUSH AND SMOOTH. WALL-MOUNT HANDRAIL BRACKETS: SINGLE HOLE FORMED HANDRAIL BRACKET W/ WALL FILLER AND SNAP-ON COVER (WAGNER 1929, OR SIMILAR)
- EXTERIOR FABRICATIONS: GALVANIZED AND PRIME PAINTED READY FOR FINISH PAINTING, UNLESS NOTED OTHERWISE. INTERIOR FABRICATIONS: PRIME PAINTED READY FOR FINISH PAINTING
- SUPPLY COMPONENTS REQUIRED FOR ANCHORAGE FABRICATED FROM SAME MATERIAL AND FINISH AS FABRICATION UNLESS NOTED OTHERWISE. SHIM AND LEVEL FABRICATIONS AS NECESSARY. COAT CONCEALED SURFACES OF ALUMINUM FABRICATIONS IN CONTACT WITH
- CONCRETE, GROUT, MASONRY, WOOD, OR DISSIMILAR METALS WITH BITUMINOUS

057313 GLAZED DECORATIVE METAL RAILINGS

- SUBMITTALS:
 1. PRODUCT DATA
- SAMPLES SHOP DRAWINGS INCLUDING PLANS, SECTIONS, AND DETAILS AT JOINTS AND PERIMETER CONDITIONS, ATTACHMENT, AND INTERFACE WITH WORK BY OTHERS. STRUCTURAL CALCULATIONS
- MANUFACTURER'S STANDARD WARRANTY DELEGATED DESIGN: FOR PRODUCTS INDICATED TO COMPLY WITH PERFORMANCE
- REQUIREMENTS AND DESIGN CRITERIA, SEALED DRAWINGS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF KANSAS.
- PRODUCTS:

 1. BASIS OF DESIGN: STRUCT-U-RAIL AS MANUFACTURED BY LIVERS BRONZE CO. OR APPROVED EQUAL MATERIALS:
 - A. ALUMINUM: CONFORMING TO ASTM B 2212 ALLOW 6063-T52 B. STAINLESS STEEL: CONFORMING TO ASTM A666, TYPE 304

057313 GLAZED DECORATIVE METAL RAILINGS (CONT.)

- A. GLAZING: FULLY TEMPERED ASTM C 1048 KIND FT, QUALITY Q3, MONOLITHIC TEMPERED THICKNESS 1/2"-3/4" MIN. REQUIRED TO MEET ALL STRUCTURAL REQUIREMENTS. COLOR: CLEAR, POLISHED EDGE B. GLASS SUPPORT BASES: STANDARD EXTRUDED ALUMINUM BASE FOR 1/2" GLASS
- EMBEDDED STEEL PLATE (BY STEEL FABRICATOR) OR STEEL STRINGER. ALUMINUM BASE IS MOUNTED CONTINUOUS AND IS ANCHORED AT 27" O.C. FOR STEEL AND 9"

MODEL 810A, 3/4" GLASS - MODEL 813, TOP MOUNT OR SIDE MOUNT BASE TO 1/2"

- GLASS INFILL SHALL BE 1/2" TEMPERED OR LAMINATED GLASS, CONFORM TO SAFETY REQUIREMENTS OF ANSI Z97.1. GLASS IS GROUTED INTO ALUMINUM BASE. FITTINGS: SHALL BE STAINLESS STEEL.
- HANDRAIL BRACKETS TO BE STAINLESS STELL

D. <u>FABRICATION</u>: ALL METAL FABRICATION TO BE PERFORMED BY A SIGNLE SOURCE FABRICATOR.

DIVISION 6 - WOOD AND PLASTICS

061000 ROUGH CARPENTRY

- END DIVISION 5

SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR SPECIFICATIONS RELATED TO STRUCTURAL LUMBER, ENGINEERED WOOD PRODUCTS, PANEL PRODUCTS, FASTENERS, AND ACCESSORIES

- SUBMITTALS:

 1. PRODUCT DATA FOR TREATED WOOD, ENGINEERED WOOD PRODUCTS, FOAM PLASTIC
- SHEATHING, AND BUILDING WRAP. LUMBER: PROVIDE S4S, 19 PERCENT MAXIMUM MOISTURE CONTENT FOR 2-INCH NOMINAL
- THICKNESS OR LESS, MARKED WITH GRADE STAMP OF INSPECTION AGENCY OF THE FOLLOWING GRADE:
- INTERIOR PARTITION FRAMING: STANDARD, STUD, OR NO. 3 GRADE EXPOSED FRAMING: NO. 1 OR NO. 2, MISCELLANEOUS LUMBER FOR NAILERS, BLOCKING, AND SIMILAR CONSTRUCTION: STUD,
- C. PANEL PRODUCTS: DOC PS 2. PROVIDE PLYWOOD COMPLYING WITH DOC PS 1 WHERE PLYWOOD IS INDICATED AND AS FOLLOWS:
 - WALL SHEATHING: PLYWOOD: EXTERIOR OR EXPOSURE 1, STRUCTURAL I, FIRE RETARDANT-TREATED ORIENTED STRAND BOARD: EXPOSURE 1. STRUCTURAL I
 - GLASS-MAT GYPSUM: ASTM C 1177/C 1177M EXTRUDED POLYSTYRENE FOAM: ASTM C 578, TYPE IV WITH T&G OR SHIPLAP LONG POLYISOCYANURATE FOAM: ASTM C 1289, TYPE I, CLASS 2, WITH ALUMINUM FOIL FACINGS. FOAM PLASTIC CORE AND FACINGS SHALL HAVE A FLAME SPREAD OF 25
 - OR LESS WHEN TESTED INDIVIDUALLY. ROOF SHEATHING, WHERE INDICATED ON DRAWINGS PLYWOOD: EXTERIOR OR EXPOSURE 1, STRUCTURAL I
 - ORIENTED STRAND BOARD: EXPOSURE 1, STRUCTURAL I PLYWOOD SUBFLOORING: EXTERIOR OR EXPOSURE 1, STRUCTURAL I TELEPHONE AND ELECTRICAL EQUIPMENT BACKING BOARDS: PLYWOOD, EXPOSURE 1, C-D PLUGGED, FIRE RETARDANT TREATED, 1/2" THICK.
- PRESERVATIVE-TREATED MATERIALS: APWA C2 LUMBER AND APWA C9 PLYWOOD, LABELED BY AN INSPECTION AGENCY APPROVED BY ALSC'S BOARD OF REVIEW. AFTER TREATMENT, KILN-DRY LUMBER TO 19 PERCENT MOISTURE CONTENT AND PLYWOOD TO 15 PERCENT. TREAT INDICATED ITEMS AND THE FOLLOWING: WOOD MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND
- WATERPROOFING CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE
- WOOD FRAMING LESS THAN 18" ABOVE GRADE WOOD FLOOR PLATES INSTALLED OVER CONCRETE SLABS DIRECTLY IN CONTACT WITH
- FIRE-RETARDANT TREATED MATERIALS: COMPLY WITH PERFORMANCE REQUIREMENTS IN WPA C20 FOR LUMBER AND AWPA C27 FOR PLYWOOD LABELED BY TESTING AND INSPECTING AGENCY. USE INTERIOR TYPE A HIGH TEMPERATURE (HT). TREAT INDICATED ITEMS AND THE **FOLLOWING**
- INTERIOR RATED: TELEPHONE AND ELECTRICAL EQUIPMENT BACKING BOARDS EXTERIOR RATED: PLYWOOD SHEATHING AS DETAILED AT ROOF SOFFIT.
- FASTENERS: SIZE AND TYPE INDICATED, GALVANIZED WHEN EXPOSED TO WEATHER, GROUND CONTACT, OR AREAS OF HIGH HUMIDITY, STAINLESS STEEL WHEN FASTENING PRESERVATIVE-TREATED MATERIALS (CONTRACTOR SHALL CONFIRM COMPATIBILITY OF FASTENER MATERIAL WITH PRESERVATIVE).
- TYPE, AND SIZE INDICATED. BUILDING PAPER: ASPHALT SATURATED ORGANIC FELT COMPLYING WITH ASTM D 226, TYPE 1 (NO. 15 ASPHALT FELT), UNPERFORATED.

METAL FRAMING ANCHORS: HOT-DIP GALVANIZED STEEL OF STRUCTURAL CAPACITY,

- AIR BARRIERS: AIR-RETARDER SHEETING OR FLUID APPLIED COATING DESIGNED TO PREVENT WATER INSTRUSION FROM EXTERIOR TO INTERIOR BUT TO ALLOW WATER
- VAPOR TO PASS FROM INTERIOR TO EXTERIOR. SILL-SEALER: GLASS-FIBER INSULATION, 1" THICK, COMPRESSIBLE TO 1/32". ADHESIVE FOR FIELD GLUING PANELS TO FRAMING: APA AFG-01.
- SET ROUGH CARPENTRY TO REQUIRED LEVELS AND LINES WITH MEMBERS PLUMB, TRUE TO LINE, CUT AND FITTED. DISCARD PIECES WITH DEFECTS THAT WOULD LOWER STRENGTH OR RESULT IN UNACCEPTABLE APPEARANCE OF EXPOSED MEMBERS. INSTALL STRUCTURAL MEMBER FULL LENGTH WITHOUT SPLICES UNLESS OTHERWISE
- SPECIFICALLY DETAILED. COMPLY WITH MEMBER SIZES, SPACING, CONFIGURATION, AND FASTENER SIZE AND SPACING AS INDICATED ON THE STRUCTURAL DRAWINGS, BUT NOT LESS THAN REQUIRED BY APPLICABLE CODES AND AFPA WCD 1 T11.
- CONSTRUCT DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS AND UNDER WALL STUD PARTITIONS THAT ARE PARALLEL TO FLOOR JOISTS. FRAME OPENINGS WITH TWO OR MORE STUDS AT EACH JAMB AND SUPPORT HEADERS ON CRIPPLE STUDS.
- PROVIDE DOUBLE 2x10 HEADERS WITH 1/2" PLYWOOD BETWEEN AND 2x4 BOTTOM PLATE AT ALL DOOR AND WINDOW OPENINGS UNLESS NOTED OTHERWISE. FURNISH CONCEALED BLOCKING AND NAILERS WHERE INDICATED AND AT ALL LOCATIONS WHERE WALL HUNG ITEMS WILL REQUIRE A SUBSTRATE FOR FASTENING OR SUPPORT.
- INSTALL ROOF SHEATHING PERPENDICULAR TO FRAMING MEMBERS WITH ENDS STAGGERED AND SHEET ENDS OVER FIRM BEARING. PROVIDE PANELS CLIPS BETWEEN ROOF FRAMING MEMBERS AND SOLID EDGE BLOCKING BETWEEN SHEETS. INSTALL WALL SHEATHING PERPENDICULAR TO TO WALL STUDS WITH ENDS OVER FIRM
- BEARING AND STAGGERED. INSTALL FLOOR SHEATHING PERPENDICULAR TO FLOOR JOISTS WITH ENDS OVER FIRM BEARING. GLUE AND NAIL SHEATHING TO EACH JOIST.

064023 INTERIOR ARCHITECTURAL WOODWORK

- SAMPLES OF FINISH MATERIALS, CATALOG CUTS OF HARDWARE, AND SHOP DRAWINGS INCLUDING DIMENSIONED PLANS, ELEVATIONS, AND SECTIONS.
- B. QUALITY ASSURANCE: ARCHITECTURAL WOODWORK INSTITUTE'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS"
- HARDBOARD: AHA A235.4
- MEDIUM DENSITY FIBERBOARD: ANSI A208.2, GRADE MD, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE. PARTICLEBOARD: ANSI A208.1, GRADE M-2
- SOFT PLYWOOD: DOC PS 1 HARDWOOD PLYWOOD AND FACE VENEERS: HPVA HP-1, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE.
- HIGH PRESSURE DECORATIVE LAMINATE: NEMA LD 3 SOLID SURFACE MATERIAL: HOMOGENOUS SOLID SHEETS OF FILLED PLASTIC RESIN COMPLYING WITH ISSFA-2. HARDWARE: COMPLY WITH BHMA A156
- PULLS: AS SPECIFIED ON DRAWINGS DRAWER SLIDES: SIDE-MOUNTED, ZINC-PLATED FULL EXTENSION STEEL DRAWER SLIDES WITH STEEL BALL BEARINGS. COMPLYING WITH BHMA A 156.9, GRADE 1 AND
- RATED AS FOLLOWS: BOX DRAWERS: 100lbf; FILES DRAWERS: 200 lbf, PENCIL DRAWERS: 45 lbf. DOOR AND DRAWER LOCKS: BHMA A156.11 GROMMETS: MOLDED PLASTIC WITH CAPS; FURNISH IN COLOR AND LOCATIONS AS

HINGES: CONCEALED (EUROPEAN-TYPE) BHMA A156.9

- HARDWARE FINISH: SATIN STAINLESS STEEL: BHMA 630 COMPLETE FABRICATION BEFORE SHIPPING TO PROJECT SITE TO MAXIMUM EXTENT
- BACKOUT AND GROOVE BACKS OF FLAT MEMBERS, KERF BACKS OF OTHER WIDE, FLAT MEMBERS, EXCEPT WHERE ENDS WILL BE EXPOSED IN FINISHED WORK.

FEASIBLE. DISASSEMBLE ONLY AS NEEDED FOR SHIPPING AND INSTALLING. WHERE

NECESSARY FOR FITTING AT PROJECT SITE, PROVIDE FOR SCRIBING AND TRIMMING.

- INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH: CUSTOM GRADE, SPECIES
- WOOD CABINETS FOR TRANSPARENT FINISH GRADE: PREMIUM
- AWI TYPE OF CABINET CONSTRUCTION: FLUSH OVERLAY VENEER MATCHING: BALANCE MATCHED
- VENEER SPECIES AND CUT: PER DRAWINGS, WITH VENEER ON ALL EXPOSED AND SEMIEXPOSED SURFACES. CABINET INTERIORS: BLACK MELAMINE WITH DARK VENEERS, WHITE MELAMINE FOR
- LIGHT VENEERS (CONFIRM WITH ARCHITECT) SHELVING AND SUPPORTS: HIGH PRESSURE LAMINATE TO MATCH MELAMINE SUPPORTED ON STAINLESS STL. PINS
- LAMINATE CLADDING: a. VERTICAL SURFACES: HGS UNLESS NOTED BELOW ELEVATOR CABS: FIRE RATED LAMINATE

WITH LIGHT COLOR LAMINATES (CONFIRM WITH ARCHITECT)

LAMINATE-CLAD CABINETS AND COUNTERTOPS:

ON STAINLESS STL. PINS

DRAWINGS

- WALL PANELS AND WAINSCOTING: HIGH-WEAR LAMINATE b. HORIZONTAL SURFACES: HGS UNLESS NOTED BELOW RECEPTION COUNTERS AND TRANSACTION TOPS: HIGH-WEAR LAMINATE
- LAB, EXAM RM. AND PROCEDURE COUNTERS: CHEMICAL RESISTANT LAMINATE POSTFORMED SURFACES: HGP EDGES: HGS CABINET INTERIORS: BLACK MELAMINE WITH DARK COLOR LAMINATES, WHITE MELAMINE

SHELVING AND SUPPORTS: HIGH PRESSURE LAMINATE TO MATCH MELAMINE SUPPORTED

AWI TYPE OF CABINET CONSTRUCTION: FLUSH OVERLAY, UNLESS NOTED OTHERWISE ON

064023 INTERIOR ARCHITECTURAL WOODWORK (CONT.)

- H. FLUSH WOOD PANELING FOR TRANSPARENT FINISH:
 - GRADE: PREMIUM VENEER MATCHING: SLIP AND BALANCE VENEER SPECIES AND CUT: PER DRAWINGS WITH VENEER ON ALL FACES AND PANEL
- PANEL MATCHING: SEQUENCE MATCHED UNIFORM SIZE SETS WITHIN EACH AREA PANEL CONSTRUCTION: FACTORY VENEERED PANEL FACES (NO SHOP VENEERED FACES

FINISH ALL WOODWORK IN THE SHOP TO SAME GRADE AS ITEMS BEING FINISHED

- APPLY ONE COAT OF SEALER OR PRIMER TO CONCEALED SURFACES OF WOODWORK. APPLY TWO COATS TO BACK OF PANELING. APPLY A VINYL WASH COAT TO WOODWORK MADE FROM CLOSED-GRAIN WOOD BEFORE STAINING AND FINISHING.
- 4. AFTER STAINING, IF ANY, APPLY PASTE WOOD FILLER TO OPEN-GRAIN WOODS AND WIPE OFF EXCESS. TINT FILLER TO MATCH STAINED WOOD. FINISH WITH AWI SYSTEM [TR-0 SYNTHETIC PENETRATING OIL] [TR-4, CONVERSION VARNISH] [TR-5, CATALYZED VINYL LACQUER] [TR-6, CATALYZED POLYURETHANE
- DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETED, HVAC IS OPERATING, AND WOODWORK IS CONDITIONED TO PREVAILING CONDITIONS OF SPACE WHERE INSTALLED INSTALL WOODWORK LEVEL AND PLUMB AND SHIM AS REQUIRED WITH CONCEALED SHIMS TO TOLERANCE OF 1/8"/96" AND TO COMPLY WITH REFERENCED QUALITY
- STANDARD FOR GRADE SPECIFIED. SCRIBE AND CUT WOODWORK TO FIT ADJOINING WORK, SEAL CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS. INSTALL TRIM WITH MINIMUM NUMBER OF JOINTS POSSIBLE USING FULL-LENGTH PIECES
- ANCHOR PANELING WITH CONCEALED PANEL-HANGER CLIPS AND BY BLIND NAILING ON BACK-UP STRIPS, SPLINE-CONNECTION STRIPS, AND SIMILAR ASSOCIATED TRIM AND

TO GREATEST EXTENT POSSIBLE. STAGGER JOINTS IN ADJACENT AND RELATED

- END DIVISION 6 -

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

BUILDING ENVELOPE MEETING WITH ALL DIVISION 7 SUBCONTRACTORS, THE ARCHITECT, AND OWNER SHALL TAKE PLACE ONCE ALL SUBCONTRACTORS HAVE BEEN SELECTED TO ENSURE ALL PRODUCTS ARE COMPATABLE AND TO ELIMINATE ANY GAP IN SCOPE.

- 071326 SELF-ADHERING SHEET WATERPROOFING A. <u>SUBMITTALS:</u> PRODUCT DATA AND PRODUCT TEST REPORTS
- B. <u>QUALITY ASSURANCE:</u> MANUFACTURER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED WATERPROOFING MANUFACTURER.

PROTECTION COURSE: BASIS OF DESIGN CCW-PROTECTION BOARD

PERIMETER DRAINAGE SYSTEM: BASIS OF DESIGN - CCW MIRADRAIN HC.

- WATERPROOFING MATERIALS: BASIS OF DESIGN CCW MIRADRI 860/861 AS MANUFACTURED BY CARLISLE COATINGS & WATERPROOFING OR APPROVED EQUAL. TO BE USED WITH MIRADRAIN DRAINAGE SYSTEM AS DETAILED BY CARLISLE DETAIL 860-2D. RUBBERIZED ASPHALT SHEET: 60-mil (1.5 mm) THICK. SELF-ADHERING SHEET CONSISTING
- OF 56 mils (1.4 mm) OF RUBBERIZED ASPHALT LAMINATED TO A 4-mil (0.10 mm) THICK POLYETHYLENE FILM WITH RELEASE LINER ON ADHESIVE SIDE. ACCESSORY PRODUCTS: BASIS OF DESIGN: CCW PRODUCT LINE TO INCLUDE: SURFACE PRIMER, MASTIC AND SEALANTS, SHEET FLASHING, LIQUID MEMBRANE, SUBSTRATE PATCHING MEMBRANE, ADHESIVES, TAPE, AND METAL TERMINATION BARS RECOMMENDED BY WATERPROOFING MANUFACTURER.
- PROVIDE CLEAN, DUST-FREE, AND DRY SUBSTRATES FOR WATERPROOFING APPLICATION REMOVE FINS, RIDGES, MORTAR, AND OTHER PROJECTIONS AND FILL HONEYCOMB, AGGREGATE POCKETS, HOLES, AND VOIDS.
- PREPARE, FILL, PRIME, AND TREAT JOINTS AND CRACKS IN SUBSTRATES BRIDGE AND COVER ISOLATION AND EXPANSION JOINTS WITH OVERLAPPING SHEET STRAPS. INVERT AND LOOSELY LAY FIRST SHEET STRIP OVER CENTER OF JOINT. FIRMLY ADHERE SECOND STRIP TO FIRST AND OVERLAP TO SUBSTRATE.
- PREPARE, PRIME, AND TREAT INSIDE AND OUTSIDE CORNERS, TERMINATION PROTRUSIONS, AND PENETRATIONS THROUGH WATERPROOFING ACCORDING TO ASTM D
- APPLY PRIMER TO SUBSTRATES AT REQUIRED RATE, ALLOW TO DRY, AND INSTALL SELF-ADHERING SHEETS PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND ASTM D 6135 MAINTAINING UNIFORM MINIMUM 21/2" LAP WIDTHS AND END LAPS. OVERLAP AND SEAL SEAMS AND STAGGER END LAPS.
- REPAIR ANY TEARS AND VOIDS AND SLIT AND FLATTEN FISHMOUTHS AND BLISTERS. PATCH WITH SHEETS EXTENDING 6" BEYOND REPAIRED AREAS IN ALL DIRECTIONS. INSTALL PROTECTION COURSE OVER WATERPROOFING AND SECURE DRAINAGE PANELS
- OVER PROTECTION COURSE WITHOUT PENETRATING WATERPROOFING. LAP EDGES AND ENDS OF GEOTEXTILE. PROTECT WATERPROOFING SYSTEM FROM DAMAGE DURING CONSTRUCTION.

072726 FLUID-APPLIED MEMBRANE AIR BARRIERS

HOURS, ASTM D 1970

- A. <u>SUBMITTALS:</u> PRODUCT DATA AND PRODUCT TEST REPORTS
- QUALITY ASSURANCE: INSTALLER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED BY
- PRODUCTS: BASIS OF DESIGN: "FIRE RESIST BARRITECH VP" BY CARLISLE COATINGS AND WATERPROOFING OR APPROVED EQUAL a. FLAME SPREAD: <25, ASTM E 84
- VAPOR PERMEANCE: NOT LESS THAN 10 PERMS, ASTM E-96, METHOD B AIR PERMEANCE: <0.02 I/S*M*M AT 75 Pa FASTENER SEALABILITY: NO WATER LEAKING THROUGH NAIL PENETRATIONS AFTER 24
- e. WATER RESISTANCE: 55 cm COL. OF WATER FOR 5 HOURS, NO LEAKING OR WET FIRE PROPAGATION: MEETS REQUIREMENTS OF NFPA 285 IN APPROVED TESTED WALL
- ASSEMBLIES, REF SHEET A0.05 FOR EXTERIOR WALL ASSEMBLY INFORMATION.
- ACCESSORIES: PROVIDE THE FOLLOWING PRODUCT ACCESSORIES OR APPROVED EQUALS FROM SAME MANUFACTURER AS AIR BARRIER MEMBRANE.
- a. DETAIL FLASHING: FOIL FACED-BUTYL OR FOIL-FACED RUBBERIZED ASPHALT FLASHING MIN. 30 MILS THICKNESS. APPROVIED WITH AIR BARRIER MEMBRANE IN NFPA 285 TESTED
- WALL ASSEMBLIES. CONTACT ADHESIVE: CCW-702-BASED
- DETAIL MASTIC: SURE-SEAL LAP SEALANT TRANSITION MEMBRANE: CCW SURE-SEAL PRESSURE SENSITIVE ELASTOFORM
- TRANSITION MEMBRANE PRIMER: SURE-SEAL LOW VOC EPDM PRIMER REINFORCING FABRIC: DCH REINFORCING FABRIC GLASS MAT: LIQUIFIBER-W

FILL COMPOUND: 2-PART, NON-SAG POLYURETHANE SEALANT, CCW-703 V OR CCW-201

<u>INSTALLATION:</u> AIR BARRIERS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE APPLICABLE ICC-ES EVALUATION REPORT AND THE APPLICABLE CODE.

072100 THERMAL INSULATION

A. <u>SUBMITTALS:</u> PRODUCT DATA FOR EACH TYPE OF INSULATION SPECIFIED

APPROVED EQUAL

PAST FLOOR SLAB.

WHERE CONCEALED.

- SMOKE DEVELOPED INDEX: 50 OR LESS IN EXPOSED AREAS AND PLENUMS; 450 OR LESS
- EXTRUDED POLYSTYRENE RIGID (XPS) BOARD INSULATION:
- a. LOCATIONS: TO BE USED BEHIND ADHERED STONE MASONRY WALL ASSEMBLY AND BELOW GRADE. BASIS OF DESIGN PRODUCT: OWENS CORNING "FOAMULAR" 250 XPS INSULATION OR
- CLASSIFICATION: ASTM C 578, TYPE IV FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED WALL ASSEMBLIES WATER ABSORPTION <=0.3% PER ASTM C272
- R-VALUE: MIN. R7.5 AT WALLS, MIN. R10 AT BUILDING FOUNDATION, AS INDICATED IN CONSTRUCTION DOCUMENTS
- POLYISOCYANURATE (POLYISO) FOAM RIGID BOARD INSULATION: LOCATION: TO BE USED IN METAL COMPOSITE PANEL WALL ASSEMBLY PRODUCT: DOW "THERMAX" (CI) EXTERIOR INSULATION OR APPROVED EQUAL

CLASSIFICATION: ASTM C1289, TYPE 1, CLASS 2

- FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED WALL ASSEMBLIES R-VALUE: MIN. R7.5, AS INDICATED IN CONSTRUCTION DOCUMENTS.
- GLASS FIBER BLANKET INSULATION: MEETS NFPA 285 IN APPROVED ASSEMBLIES a. TYPE I, UNFACED

PROVIDE 6LB/CF MINERAL ROCK WOOL AT ALL HOLLOW METAL DOOR FRAMES.

PROVIDE 4 LB/CF MINERAL ROCK WOOL AT WINDOW HEAD LOCATIONS IN BRICK

CAVITY WALL AND CONT. AT EA. FLOOR LINE WHERE STUD FRAMING IS CONTINUOUS

INSTALL PER MANUFACTURER'S RECOMMENDATION AND AS FOLLOWS: INSTALL INSULATION IN AREAS AND IN THICKNESSES INDICATED OR REQUIRED TO PRODUCE R-VALUES WHERE INDICATED. CUT AND FIT TIGHTLY AROUND OBSTRUCTIONS AND FILL VOIDS WITH INSULATION.

074213.23 METAL COMPOSITE MATERIAL WALL PANELS

- SUBMITTALS:

 1. PRODUCT DATA, TEST DATA, WARRANTIES SHOP DRAWINGS SHOWING ALL PANEL JOINTS LAYOUTS, AND ATTACHMENT DETAILS.
- PANEL SYSTEM ASSEMBLY, FINISH SAMPLES.
- INSTALLER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED BY MANUFACTURER. MANUFACTURER SHALL HAVE MINIMUM 15 YEARS IN THE MANUFACTURING OF THIS
- PRODUCTS:

 1. COMPOSITE WALL PANELS (REFER TO ELEVATIONS FOR LOCATIONS AND COLOR):

 1. COMPOSITE WALL PANELS (REFER TO ELEVATIONS FOR LOCATIONS AND COLOR): ALUMINUM-FACED COMPOSITE PANELS WITH MOUNTING SYSTEM. PANEL MOUNTING SYSTEM INCLUDING ANCHORAGES, FURRING, FASTENERS, GASKETS AND SEALANTS,
 - RELATED FLASHING ADAPTERS AND MASKING FOR COMPLETE INSTALLATION. a. BASIS OF DESIGN PRODUCT: ALUCOBOND PLUS MANUFACTURED BY 3A COMPOSITES USA OR APPROVED EQUAL. THICKNESS: 4MM (0.157")
 - ALUMINUM FACE SHEETS: THICKNESS (0.020"), ALLOY (3000 SERIES) CORE MATERIAL: FIRE RESISTANT FIRE PERFORMANCE: ASTM E84 CLASS A FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED ASSEMBLIES, REFER TO ICC-ES
 - FSR-3435 SYSTEM TYPE: ROUTE AND RETURN DRY FINISH: COIL COATED FLUOROPOLYMER 2-COAT SYSTEM WITH TOPCOAT CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY

WEIGHT; COMPLYING WITH AAMA 2604, APPLIED BY MANUFACTURER

075423 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

COLOR: AS INDICATED IN DRAWINGS.

- PRODUCT DATA FOR ALL MATERIALS, AND SHOP DRAWINGS OF TAPERED INSULATION
- PROVIDE (30) YEAR MANUFACTURER'S STANDARD WRITTEN WARRANTY, WITHOUT MONETARY LIMITATION, SIGNED BY MANUFACTURER AGREEING TO REPAIR LEAKS DUE TO
- DEFECTS IN MATERIALS OR WORKMANSHIP AND A (3) YEAR LABOR AND MATERIAL WARRANTY FROM THE ROOFING SUBCONTRACTOR. EXTERIOR FIRE TEST EXPOSURE: ASTM E 108, CLASS B.
- TPO SHEET: ASTM D 6878, TYPE II, SCRIM OR FABRIC INTERNALLY REINFORCED 60 MILS 1.5 mm) THICK; COLOR: WHITE. BASIS OF DESIGN PRODUCT: FIRESTONE ULTRAPLY TPO OR APPROVED EQUAL. FULLY ADHERED AUXILIARY MATERIALS: RECOMMENDED BY ROOFING SYSTEM MANUFACTURER FOR

SHEET FLASHING: SAME THICKNESS AND COLOR AS SHEET MEMBRANE.

PROVIDE PREFORMED SADDLES, CRICKETS, TAPERED EDGE STRIOS, AND OTHER

MISCELLANEOUS ACCESSORIES: PROVIDE POURABLE SEALERS, PREFORMED CONE

AND VENT SHEET FLASHINGS, PREFORMED INSIDE AND OUTSIDE CORNER SHEET

BONDING ADHESIVE: TYPE AS RECOMMENDED BY MANUFACTURER

FLASHINGS, T-JOINT COVERS, LAP SEALANTS, TERMINATION REGLETS, AND OTHER

INTENDED USE AND AS FOLLOWS:

MINIMUM R-VALUE: AS INDICATED IN DRAWINGS UTILIZE MIN. (2) LAYERS TO ACHIEVE R-VALUE, STAGGER JOINTS. FABRICATE TAPERED INSULATION WITH SLOPE OF 1/4"/FOOT UNLESS OTHERWISE

POLYISOCYANURATE BOARD INSULATION: ASTM C 1289, TYPE II

INSULATION SHAPES WHERE INDICTED FOR SLOPING TO DRAIN. FABRICATE TO SLOPES 4. COVER BOARD: AS INDICATED IN DRAWINGS.

MECHANICALLY FASTEN EACH LAYER OF INSULATION TO DECK.

INSTALL TPO SHEET ACCORDING TO ROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS UTILIZING FIRESTONE'S "INVISIWELD" SYSTEM ATTACHMENT METHOD OR a. MEMBRANE SHALL BE UNROLLED ON THE AREA TO BE COVERED AND FASTENED ALONG THE LEADING EDGE THROUGH THE MEMBRANE, INSULATION, AND INTO THE DECK. ADJACENT ROLLS OF MEMBRANE SHALL OVERLAP THE FASTENED EDGE OF THE INSTALLED MEMBRANE. FASTEN FIELD SHEETS WITH APPROVED FASTENERS FOR FM I-90 DESIGN FOR THE PROJECT DECK. ENSURE THAT THE DECK MATERIALS AND GRADE HAVE BEEN IDENTIFIED AND THAT THE PROPER FASTENER AND PLATE

ARE INSTALLED AT THE NECESSARY SPACING TO ACHIEVE THE DESIGN AS

SPECIFIED. FOR ROW SPACING IN EXCESS OF 76" SUBMIT VERIFICATION FROM

LAP SPLICE: MEMBRANE SHALL BE OVERLAPPED AND HOT-AIR WELDED WITHOUT

SUBSTRATES. PROTECT ROOFING FROM DAMAGE AND WEAR DURING REMAINDER OF

MANUFACTURER THAT THE DECK AND MEMBRANE ASSEMBLY IS IN COMPLIANCE

- WITH FM I-90. PERIMETER/CORNER ENHANCEMENT: PERIMETER/CORNER FASTENING ENHANCEMENT SHALL BE INSTALLED AT ALL EXTERIOR ROOF PERIMETERS THAT ARE NOT BORDERED BY A PARAPET WALL OR AN ADJOINING BUILDING A MINIMUM OF 24" HIGHER THAN THE ROOF LEVEL AND IS REQUIRED AT ANY ADJOING ROOF LEVEL 24" OR GREATER ABOVE THE MAIN DECK LEVEL. PROVIDE FASTENERS AT SPACING REQUIRED BY MANUFACTURER TO COMPLY WITH WIND UPLIFT
- ANY CONTAMINANTS (ADHESIVE, DIRT, DEBRIS, ETC.) IN THE SEAM. THE ENTIRE LAP EDGE SHALL BE PROBED WITH AN APPROVED SEAM PROBING TOOL AFTER THE SEAM HAS COOLED COMPLETELY TO VERIFY SEAM CONSISTENCY. SEAL EXPOSED EDGES OF SHEET TERMINATIONS. INSTALL SHEET FLASHINGS AND PREFORMED FLASHING ACCESSORIES AND ADHERE TO
- 074113.16 METAL ROOF PANELS

ROOF PANEL TYPE: STANDING SEAM

[0.0329" (0.85mm)] [0.0428" (1.10mm)]

FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

ORGANIC FELT ASTM D 226, TYPE II (NO. 30)

REQUIREMENTS.

CONSTRUCTION PERIOD.

- A. <u>SUBMITTALS:</u> PRODUCT DATA, SHOP DRAWINGS, AND COLOR SAMPLES <u>PERFORMANCE STANDARD:</u> PROVIDE ROOF ASSEMBLIES THAT COMPLY WITH UL 580 FOR CLASS 90 WIND-UPLIFT RESISTANCE. WARRANTIES: PROVIDE MANUFACTURER'S STANDARD WRITTEN WARRANTY, WITHOUT
- MONETARY LIMITATION, SIGNED BY MANUFACTURER AGREEING TO PROMPTLY REPAIR OR REPLACE METAL ROOF PANELS THAT FAIL TO REMAIN WATERTIGHT WITHIN 10 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
- METALLIC COATED STEEL ROOF PANELS: FABRICATED FROM GALVANIZED STRUCTURAL STEEL SHEET ASTM A 653/A 653M, G90 (Z275), OR ALUMINUM-ZINC ALLOY-COATED STRUCTURAL STEEL SHEET. ASTM A 792/A 792M, CLASS AZ50 COATING DESIGNATION, GRADE 40 (CLASS AZM150 COATING DESIGNATION GRADE

a. METAL THICKNESS: [0.0159" (0.40mm)] [0.0209" (0.55mm)] [0.0269" (0.70mm)]

b. FINISH: MANUFACTURER'S STANDARD FLUOROPOLYMER 2-COAT SYSTEM WITH

INCLUDING TRIM, FASCIAE, CLIPS, SEAM COVERS, FLASHINGS, SEALANTS, GASKETS,

(GALVANIZED) STEEL SHEET OR ALUMINUM-ZINC ALLOY-COATED STEEL SHEET.

BITUMINOUS SHEET ASTM D 1970; 40 MILS (1mm) THICK OR ASPHALT SATURATED

- FINISH: MANUFACTURER'S STANDARD FLUOROPOLYMER 2-COAT SYSTEM WITH TOPCOAT CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT; COMPLYING WITH AAMA 2604. ALUMINUM ROOF PANELS: FABRICATED FROM ALUMINUM SHEET, ASTM B 209 (ASTM B 209M) FOR ALCLAD ALLOY 3003, 3004, OR 3105.
- TOPCOAT CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT; COMPLYING WITH AAMA 2604. PROVIDE COMPONENTS REQUIRED FOR A COMPLETE ROOF PANEL ASSEMBLY

a. METAL THICKNESS: [0.032" (0.8mm)] [0.040" (1.0mm)]

PROVIDE FLASHING AND TRIM AS REQUIRED TO SEAL AGAINST WEATHER AND TO PROVIDE FINISHED APPEARANCE. FINISH FLASHING AND TRIM WITH SAME FINISH SYSTEM AS ADJACENT METAL ROOF PANELS. UNDERLAYMENT: SELF-ADHERING POLYETHYLENE-FACED, POLYMER-MODIFIED,

2. FLASHING AND TRIM: FORMED FROM 0.0179" (0.045mm) THICK, ZINC-COATED

- SLIP SHEET: RESIN-SIZED BUILDING PAPER, 5lb/100 sq. ft. (2.4 kg/sq. m) THERMAL SPACERS: WHERE PANELS ATTACH DIRECTLY TO PURLINS, PROVIDE THERMAL SPACERS RECOMMENDED BY PANEL MANUFACTURER. BITUMINOUS COATING: COLD-APPLIED ASPHALT MASTIC, SSPC-PAINT 12, COMPOUNDED FOR 15-MIL (O.4mm) DRY FILM THICKNESS PER COAT.
- APPLY SLIP SHEET OVER UNDERLAYMENT. ANCHOR PANELS SECURELY IN PLACE WITH PROVISIONS FOR THERMAL AND STRUCTURAL MOVEMENT. INSTALL WITH CONCEALED FASTENERS UNLESS OTHERWISE INDICATED USING STAINLESS STEEL FOR SURFACES EXPOSED TO THE

EXTERIOR AND GALVANIZED FOR SURFACES EXPOSED TO THE INTERIOR.

INSTALL UNDERLAYMENT ON ROOF SHEATHING UNDER METAL ROOF PANELS,

WHERE REQUIRED FOR WEATHERPROOF PERFORMANCE OF ASSEMBLIES. 4. USE BITUMINOUS COATING TO SEPARATE DISSIMILAR METALS AND WHERE ALUMINUM PANELS WILL CONTACT WOOD, FERROUS METAL OR CONCRETE

INSTALL MANUFACTURER RECOMMENDED GASKETS. JOINT FILLERS. AND SEALANTS

UNLESS OTHERWISE RECOMMENDED BY METAL ROOF PANEL MANUFACTURER AND

CONSTRUCTION As Noted on Plans Review

Lee's Summit, Missouri

PARAGON STAR BLDG 2 / LOT 9

LEE'S SUMMIT, MO

3201 NW PARAGON PKWY

Project No.: 19050.01a 09.27.22

Issued For: CONSTRUCTION REVISIONS

2 9.27.22 ADDENDUM 2 ____ ____

REGISTRATION



PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL

LANDSCAPE LAND 3

FOUNDATIONS

PLUMBING

ELECTRICAL

ENGINEERS BSE STRUCTRAL STRUCTURAL **ENGINEERS**

BSE STRUCTURAL

HENDERSON

ENGINEERS

HENDERSON

ENGINEERS

MECHANICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON

CONTRACTOR FOGEL-ANDERSON

ARCHITECTURE 8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

PROJECT

SHEET TITLE

<u>DIVISION 7 - THERMAL AND MOISTURE PROTECTION (CONT.</u>

076200 SHEET METAL FLASHING AND TRIM

- SUBMITTALS: PRODUCT DATA, COLOR SAMPLES, AND SHOP DRAWINGS INDICATING MATERIAL, DIMENSIONS, JOINT LOCATIONS, EDGE CONDITIONS, AND METHODS OF ANCHORAGE.
- FABRICATION STANDARD: COMPLY WITH SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL". CONFORM TO DIMENSIONS AND PROFILES SHOWN UNLESS MORE STRINGENT REQUIREMENTS
- **COORDINATION: COORDINATE INSTALLATION OF SHEET METAL FLASHING AND TRIM WITH** INTERFACING AND ADJOINING CONSTRUCTION TO PROVIDE A LEAKPROOF, SECURE, AND NONCORROSIVE INSTALLATION.
- SHEET METAL:
 1. COPPER: ASTM B 370, TEMPER H00 OR H01, COLD ROLLED, NOT LESS THAN 16 OZ/S.F. (0.55
- ALUMINUM SHEET: ASTM B 209 (ASTM B 209 M) ALLOY 3003, 3004, 3105, OR 5005, TEMPER
- SUITABLE FOR FORMING AND STRUCTURAL PERFORMANCE REQUIRED, BUT NOT LESS THAN H14; NOT LESS THAN 0.032 INCH (O.8 mm) THICK, FINISHED WITH MANUFACTURER'S FLUOROPOLYMER 2-COAT SYSTEM WITH TOPCOAT CONTAINING NOT LESS THAN 70% POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT; COMPLYING WITH AAMA 2604.
- 3. STAINLESS STEEL SHEET: ASTM A 240/A 240M, TYPE 304, WITH NO. 2D FINISH; NOT LESS
- FLASHING AND TRIM: FABRICATE FLASHING AND TRIM TO COMPLY WITH RECOMMENDATIONS OF SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" THAT APPLY TO THE DESIGN, DIMENSIONS, METAL, AND OTHER CHARACTERISTICS OF THE ITEM INDICATED OR DETAILED ON THE CONSTRUCTION DRAWINGS. FABRICATE WITH CONCEALED FASTENERS EXCEPT WHERE EXPOSED FASTENERS ARE PERMITTED.

- SOLDER FOR COPPER: ASTM B 32, GRADE Sn50 SOLDER FOR STAINLESS STEEL: ASTM B 32, GRADE Sn60, WITH ACID FLUX OF TYPE RECOMMENDED BY STAINLESS STEEL MFR. 3. BUTYL SEALANT: ASTM C 1311, SOLVENT-RELEASE TYPE, FOR EXPANSION JOINTS WITH
- LIMITED MOVEMENT. 4. ASPHALT MASTIC: SSPC-PAINT 12, ASBESTOS FREE, SOLVENT TYPE.
- ROOFING CEMENT: ASTM D 4586, TYPE I, ASBESTOS FREE, ASPHALT BASED
- 6. SLIP SHEET: RESIN-SIZED PAPER, MINIMUM 3 LB/100 S.F. (0.16 kg/sq. m)
- INSTALLATION:
 1. COMPLY WITH SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL." ALLOW FOR THERMAL EXPANSION; SET TRUE TO LINE AND LEVEL. INSTALL WORK WITH LAPS, JOINTS AND SEAMS PERMANENTLY WATERTIGHT AND WEATHERPROOF; CONCEAL FASTENERS WHERE POSSIBLE
- SECURE FLASHINGS AT ROOF EDGES ACCORDING TO FMG LOSS PREVENTION DATA SHEET 1-49 FOR SPECIFIED WIND ZONE. 3. SEALED JOINTS: FORM NON-EXPANSION, BUT MOVABLE, JOINTS IN METAL TO
- ACCOMMODATE ELASTOMERIC SEALANT TO COMPLY WITY SMACNA STANDARDS USING BAYONET TYPE OR INTERLOCKING HOOKED SEAMS. FABRICATE NONMOVING SEAMS IN SHEET METAL WITH FLAT-LOCK SEAMS. FOR METAL OTHER THAN ALUMINUM, TIN EDGES TO BE SEAMED, FORM SEAMS AND SOLDER. FOR ALUMINUM, FORM SEAMS AND SEAL WITH EPOXY SEAM SEALER. RIVET JOINTS FOR
- ADDITIONAL STRENGTH. SEPARATION: SEPARATE NON-COMPATIBLE METALS OR CORROSIVE SUBSTRATES WITH A COATING OF ASPHALT MASTIC OR OTHER PERMANENT SEPARATION

077200 ROOF ACCESSORIES

- A. <u>SUBMITTALS</u>: PRODUCT DATA, INSTALLATION DETAILS, WARRANTIES
- ROOF CURBS AND EQUIPMENT SUPPORTS: SEE MECHANICAL SPECIFICATIONS FOR MORE INFORMATION, INCLUDE MANUFACTURER'S STANDARD RIGID OR SEMIRIGID INSULATION AND PRESERVATIVE-TREATED WOOD NAILERS AT TOPS. PROVIDE UNITS WITH CANT STRIPS AND BASE PROFILE COORDINATED WITH ROOF INSULATION THICKNESS AND ROOF
- DECK SLOPE. ROOF HATCHES: BASIS OF DESIGN: BILCO E-50TB, THERMALLY BROKEN, INSULATED SINGLE-LEAF, 36" W X 36" D OPENING. FABRICATE FROM METALLIC-COATED STEEL WITH INTEGRAL CURB OF HEIGHT NECESSARY TO EXTEND 8" MIN. ABOVE ROOF SURFACE, DOUBLE WALL CONSTRUCTION WITH 11/2" INSULATION, FORMED CANTS AND CAP FLASHING, WITH WELDED MECHANICAL CORNER JOINTS. PROVIDE DOUBLE-WALL COVER (LID) CONSTRUCTION WITH 1" INSULATION CORE. PROVIDE GASKETING AND CORROSION RESISTANT HARDWARE INCLUDING PINTLE HINGES, HOLD-OPEN DEVICES, INTERIOR PADLOCK HASPS, AND BOTH INTERIOR AND EXTERIOR LATCH HANDLES.
- <u>INSTALLATION</u>: INSTALL ROOF ACCESSORY ITEMS ACCORDING TO CONSTRUCTION DETAILS OF NRCA'S "ROOFING AND WATERPROOFING MANUAL". COORDINATE WITH INSTALLATION OF ROOF DECK, VAPOR BARRIERS, ROOF INSULATION, ROOFING, AND FLASHING TO ENSURE COMBINED ELEMENTS ARE SECURE, WATERPROOF, AND WEATHERTIGHT.

078413 PENETRATION FIRESTOPPING

- SUBMITTALS: PRODUCT DATA AND PRODUCT CERTIFICATES SIGNED BY MFR. CERTIFYING THAT PRODUCTS COMPLY WITH REQUIREMENTS. RATINGS: PROVIDE FIRESTOPPING SYSTEM WITH FIRE RESISTANCE RATINGS INDICATED BY EFERENCE TO UL DESIGNATIONS AS LISTED IN ITS "FIRE RESISTANCE DIRECTORY", OR TO DESIGNATION OF ANOTHER TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING
- FLAME SPREAD/SMOKE DEVELOPED RATINGS: FOR EXPOSED FIRESTOPPING, PROVIDE PRODUCTS WITH FLAME SPREAD INDEXES OF LESS THAN 25 AND SMOKE-DEVELOPED INDEXES OF LESS THAN 450, AS DETERMINED ACCORDING TO ASTM E 84.
- FIRESTOP SYSTEMS: USE SYSTEMS AS DESIGNATED ON THE CONSTRUCTION DRAWINGS, OR IF NOT DESIGNATED, ANY SYSTEM THAT IS CLASSIFIED BY UL AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION FOR THE APPLICATION MAY BE USED.
- INSTALLATION: INSTALL FIRESTOPPING SYSTEMS TO COMPLY WITH REQUIREMENTS LISTED IN FESTING AGENCY'S DIRECTORY FOR INDICATED FIRE-RESISTANCE RATING. <u>IDENTIFICATION</u>: IDENTIFY THROUGH-PENETRATION FIRESTOP SYSTEMS WITH PERMANENT LABELS ATTACHED TO SURFACES ADJACENT TO FIRESTOP SYSTEMS SO THAT LABELS WILL BE VISIBLE TO ANYONE SEEKING TO REMOVE PENETRATING ITEMS OR FIRESTOP SYSTEMS. LABELS SHALL INCLUDE THE FOLLOWING: THE WORDS "WARNING - THROUGH PENETRATION FIRESTOP SYSTEM - DO NOT DISTURB" CLASSIFICATION/LISTING DESIGNATION OF APPLICABLE TESTING AND INSPECTING
 - THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER'S NAME AND PRODUCT

079200 JOINT SEALANTS

- SUBMITTALS: PRODUCT DATA, COLOR SAMPLES, AND SCHEDULE OF LOCATIONS FOR EACH TYPE OF SEALANT SUBMITTED.
- SEALANT COLORS/MOCKUP: MULTIPLE SEALANT COLORS WILL BE REQUIRED TO COORDINATE WITH COLORS OF MATERIALS BEING SEALED, SHALL BE SELECTED FROM MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS, INCLUDING PREMIUM COLORS, AND SHALL BE VERIFIED FROM A 12" LONG FIELD APPLIED SAMPLE OF EACH COLOR PRIOR TO COMPLETE INSTALLATION.
- ENVIRONMENTAL LIMITATIONS: DO NOT PROCEED WITH INSTALLATION OF JOINT SEALANTS WHEN AMBIENT AND SUBSTRATE TEMPERATURE CONDITIONS ARE OUTSIDE LIMITS PERMITTED BY JOINT SEALANT MANUFACTURER OR ARE BELOW 40 deg F (4.4 deg C).
- COMPATIBILITY: PROVIDE JOINT SEALANTS, JOINT FILLERS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER SERVICE AND APPLICATION CONDITIONS.
- JOINT SEALANTS BUILDING EXPANSION JOINTS: SINGLE COMPONENT, NEUTRAL-CURING SILICONE SEALANT. ASTM C 920, TYPE S; GRADE NS; CLASS 25; USES T, M, AND O, WITH THE ADDITIONAL CAPABILITY TO WITHSTAND 50% MOVEMENT IN BOTH EXTENSION AND COMPRESSION FOR EXTERIOR TRAFFIC BEARING JOINTS WHERE SLOPE PRECLUDES POURABLE SEALANT:
- SINGLE COMPONENT, NONSAG URETHANE SEALANT, ASTM C920, TYPE S; GRADE NS; EXTERIOR TRAFFIC BEARING JOINTS WHERE SLOPE PERMITS USE OF POURABLE
- SEALANT: SINGLE COMPONENT, POURABLE URETHANE SEALANT, ASTM C 920, TYPE S; GRADE P; CLASS 25; USES T, M, G, A, AND O.
- 4. INTERIOR JOINTS IN CERAMIC TILE AND OTHER HARD SURFACES IN KITCHENS, TOILET ROOMS, AND AROUND PLUMBING FIXTURES: SINGLE COMPONENT, MILDEW-RESISTANT SILICONE SEALANT, ASTM C 920, TYPE S; GRADE NS, CLASS 25; USES NT, G, A, AND O;
- FORMULATED WITH FUNGICIDE. INTERIOR JOINTS AROUND PERIMETERS OF DOORS AND FRAMES: LATEX SEALANT, SINGLE COMPONENT, NONSAG, MILDEW-RESISTANT, PAINTABLE, ACRYLIC EMULSION
- SEALANT COMPLYING WITH ASTM C 834.
- ACOUSTICAL SEALANT FOR EXPOSED INTERIOR JOINTS: NONSAG, PAINTABLE, NONSTAINING, LATEX SEALANT COMPLYING WITH ASTM C 834. ACOUSTICAL SEALANT FOR CONCEALED JOINTS: NONDRYING, NONHARDENING, NONSKINNING, NONSTAINING, GUNNABLE, SYNTHETIC-RUBBER SELANT RECOMMENDED FOR SEALING INTERIOR CONCEALED JOINTS TO REDUCE TRANSMISSION OF AIRBORNE

JOINT SEALANT BACKING: CYLINDRICAL CLOSED CELL PVC ROD COMPLYING WITH ASTM C330; SIZE 30% TO 50% LARGER THAN JOINT WIDTH. ALL OPEN CELL BACKINGS SUCH AS "DENVER

- BOND-BREAKER TAPE: POLYETHYLENE TAPE OR OTHER PLASTIC TAPE RECOMMENDED BY SEALANT MFR. FOR PREVENTING SEALANT FROM ADHERING TO RIGID, INFLEXIBLE JOINT-FILLER MATERIALS OR JOINT SURFACES AT BACK OF JOINT.
- <u>INSTALLATION</u>: COMPLY WITH ASTM C 1193; ASTM C 919 FOR ACOUSTICAL JOINTS: AND AS REMOVE ALL LOOSE MATERIAL. CLEAN AND PRIME JOINTS IN ACCORDANCE WITH
- MANUFACTURER'S INSTRUCTIONS, AND PROTECT ADJACENT SURFACES. INSTALL BOND-BREAKER TAPE WHERE JOINT BACKINGS ARE NOT USED. INSTALL SEALANT TOOLED CONCAVE. FREE OF AIR POCKETS, FOREIGN EMBEDDED MATTER, RIDGES, AND SAGS, AND PROTECT UNTIL FULLY CURED. SEALANT WITH DUST AND DEBRIS EMBEDDED IN SURFACE SHALL BE CAUSE FOR REJECTION.

- END DIVISION 7 -

FOAM" ARE PROHIBITED.

DIVISION 8 - DOOR AND WINDOWS

- 081213 HOLLOW METAL FRAMES SUBMITTALS: PRODUCT DATA AND FRAME SCHEDULE INDICATING OPENING AND FRAME SIZES
- CORRESPONDING TO THOSE USED IN CONSTRUCTION DOCUMENTS. HOT-ROLLED STEEL SHEETS: ASTM A1011/A 1011M
- COLD-ROLLED STEEL SHEETS: ASTM A 1008/A 1008M OR ASTM A 620/A 620M GALVANIZED STEEL SHEETS: ASTM A 653/A 653M, A40 OR G40 (ZF120 OR Z120) COATING
- STEEL FRAMES: FULLY WELDED, ANSI A 250.8, CONCEALED FASTENING, PREPARED FOR MORTISED AND CONCEALED HARDWARE ACCORDING TO ANSI A 250.6 AND ANSI A 115 SERIES STANDARDS AND REINFORCED TO RECEIVE SURFACE-APPLIED HARDWARE. STEEL SHEET THICKNESS FOR INTERIOR FRAMES: PER DOOR SCHEDULE
- 2. STEEL SHEET THICKNESS FOR EXTERIOR FRAMES: PER DOOR SCHEDULE
- SUPPORTS AND ANCHORS: MIN. .042" THICK GALVANIZED STEEL SHEET PRIMER: MANUFACTURER'S STANDARD FACTORY APPLIED COAT OF RUST-INHIBITIVE PRIMER COMPLYING WITH ANSI A250.10.

1. FRAMES: COMPLY WITH SDI 105 AND INSTALL FIRE-RATED FRAMES PER NFPA 80.

081416 FLUSH WOOD DOORS

- SUBMITTALS: PRODUCT DATA, PREFINISHED DOOR SKIN SAMPLES, AND DOOR SCHEDULE INDICATING DOOR AND FRAME SIZES. TYPES, ELEVATIONS, DETAILS, AND HARDWARE WITH DOOR AND HARDWARE NUMBERING CORRESPONDING TO THOSE USED IN CONSTRUCTION
- B. <u>DOORS:</u> SIZES, SPECIES, AND DESIGNS AS INDICATED COMPLYING WITH WDMA I.S.1-A
- GRADE: PREMIUM VENEER MATCHING: BOOK AND RUNNING
- PAIR MATCHING AND SET MATCHING CONSTRUCTION: INTERIOR VENEER: FIVE OR SEVEN PLY, STRUCTURAL COMPOSITE LUMBER CORES INTERIOR PLASTIC LAMINATE: THREE-PLY, STRUCTURAL COMPOSITE LUMBER CORE FIRE-RATED DOORS: CORE TO PROVIDE FIRE RATING INDICATED WITH FACES AND
- GRADE TO MATCH NON-RATED DOORS. **FABRICATION AND FINISHING** FACTORY FIT DOORS TO SUIT FRAME OPENINGS TO COMPLY WITH REFERENCED
- STANDARD. COMPLY WITH NFPA 80 FOR FIRE-RESISTANCE RATED DOORS. FACTORY MACHINE DOORS FOR HARDWARE THAT IS NOT SURFACE APPLIED. CUT AND TRIM OPENINGS TO COMPLY WITH REFERENCED STANDARDS.
- LITE KITS: [MATCHING WOOD STOPS] [STEEL STOPS] FACTORY FINISH DOORS FOR TRANSPARENT FINISH WITH STAIN AND
- MANUFACTURER'S STANDARD FINISH COMPARABLE TO AWI, SYSTEM TR-4, CONVERSION VARNISH OR AWI SYSTEM TR-6, CATALYZED POLYURETHANE.
- INSTALLATION: COMPLY WITH WDMA'S "HOW TO STORE, HANDLE, FINISH, INSTALL, AND MAINTAIN WOOD DOORS" ALIGNED AND FITTED IN FRAMES WITH UNIFORM CLEARANCES AND 1. INSTALL FIRE RATED DOORS PER NFPA 80.

083113 ACCESS DOORS AND FRAMES

- PRODUCTS: PRIME-PAINTED FLUSH, UNINSULATED ACCESS DOORS FOR WALLS AND CEILINGS WITH TRIMLESS FRAME AND SCREWDRIVER OPERATED LOCK FLUSH WITH FINISHED SURFACE.
- FIRE-RATED, SELF-LATCHING. AUTOMATIC CLOSING AT FIRE-RATED WALLS OR CEILINGS INSTALLATION: INSTALL FLUSH TO FINISHED DRYWALL SURFACE WITH FRAME TAPED AND SANDED FLUSH WITH WALL OR CEILING SURFACE AND FINISH TO MATCH ADJACENT SURFACE.

084113 ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

3. MANUFACTURER'S WARRANTY: 2 YEARS

OF CLEAR SPAN

- INSTALLER QUALIFICATIONS, FABRICATOR QUALIFICATIONS, SOURCE LIMITATIONS 2. PRODUCT DATA FOR EACH SYSTEM SPECIFIED, INCLUDING ACCESSORIES, SEALANTS, AND PRODUCTS TO BE SUPPLIED FOR A COMPLETE INSTALLATION.
- SAMPLES: FULL RANGE OF MANUFUCTURERS STANDARD COLOR, FINISH AND OTHER OPTIONS REQUIRED FOR SELECTION.
- SHOP DRAWINGS STAMPED AND SIGNED BY LICENSED ENGINEER: INCLUDING DETAILS AT JOINTS AND PERIMETER CONDITIONS, FLASHINGS, CONNECTION AND INTERFACE WITH WORK BY OTHERS, EXPANSION AND CONTRACTION JOINT, ANY FIELD WELDING
- REQUIREMENTS, HARDWARE SCHEDULE. CALCULATIONS STAMPED AND SIGNED BY LICENSED ENGINEER: DESIGN LOADS, SYSTEM DIMENSIONS, TOLERANCES, DETAILS AT JOINTS, PERIMETER CONDITIONS, FLASHING, CONNECTIONS TO WORK BY OTHERS, EXPANSION AND CONTRACTION JOINT LOCATIONS, AND ANY FIELD WELDING. FOR ENTRANCES, INCLUDE HARDWARE SCHEDULE.
- SAMPLE WARRANTIES MOCK-UP: ON SITE, INCLUDING HEAD, JAMB AND SILL CONDITIONS AND INTERFACE WITH
- <u>DELEGATED DESIGN:</u> DESIGN GLAZED ALUMINUM CURTAIN WALLS AND GLAZED ALUMINUM WINDOW WALLS, INCLUDING COMPREHENSIVE ENGINEERING ANALYSIS BY A QUALIFIED PROFESSIONAL ENGINEER, USING PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA INDICATED.
- FABRICATOR: COMPANY SPECIALIZING IN MANUFACTURING ALUMINUM GLAZING SYSTEMS WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE INSTALLER: COMPANY SPECIALIZING IN INSTALLING ALUMINUM GLAZING SYSTEMS WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE

- ALUMINUM SHEET: ASTM B 209 (ASTM B 209M), ALLOY AND TEMPER RECOMMENDED BY MANUFACTURER FOR TYPE OF USE AND FINISH INDICATED. 2. ALUMINUM EXTRUSIONS: ASTM B 221 (ASTM B221M), ALLOY AND TEMPER RECOMMENDED BY MANUFACTURER FOR TYPE OF USE AND FINISH INDICATED.
- <u>ALUMINUM FRAMED STOREFRONTS</u>: AT INTERIOR LOCATIONS, PROVIDE MANUFACTURER'S STANDARD NON-THERMALLY BROKEN STOREFRONT SYSTEM MATCHING THE EXTERIOR SYSTEM. AT EXTERIOR LOCATIONS, PROVIDE MANUFACTURER'S STANDARD THERMALLY BROKEN, EXTRUDED ALUMINUM STOREFRONT SYSTEM CONSISTING OF FRAMING MEMBERS OF THICKNESS REQUIRED AND REINFORCED AS REQUIRED TO SUPPORT IMPOSED LOADS AND TO FIT THE DIMENSIONS AND DEPTHS INDICATED ON THE CONSTRUCTION DOCUMENTS AND
- COMPLYING WITH THE FOLLOWING: 1. <u>STRUCTURAL PERFORMANCE</u>: PROVIDE SYSTEMS, INCLUDING ANCHORAGE, CAPABLE OF WITHSTANDING THE FOLLOWING LOADS:
- MAIN FRAMING MEMBER DEFLECTION: LIMITED TO 1/175 OF CLEAR SPAN OR 3/4" WHICHEVER IS SMALLER STRUCTURAL TESTING: SYSTEMS WHEN TESTED ACCORDING TO ASTM E 330 AT 150 PERCENT OF INWARD AND OUTWARD WIND-LOAD DESIGN PRESSURE DO NOT EVIDENCE MATERIAL FAILURES, STRUCTURAL DISTRESS, DEFLECTION FAILURES, OR PERMANENT DEFORMATION OF MAIN FRAMING MEMBERS ECEEDING 0.2 PERCENT
- AIR INFILTRATION: LIMITED TO 0.06 CFM/SQ. FT. (0.03 L/s PER SQ. IN.) OF SYSTEM SURFACE AREA WHEN TESTED ACCORDING TO ASTM E 283 AT A STATIC-AIR-PRESSURE DIFFERENCE OF 1.57 lbf/sq. ft. (75 Pa) WATER PENETRATION: SYSTEMS DO NOT EVIDENCE WATER LEAKAGE WHEN TESTED
- ACCORDING TO ASTM E 331 AT MINIMUM DIFFERENTIAL PRESSURE OF 20 PERCENT OF POSITIVE WIND-LOAD DESIGN PRESSURE, BUT NOT LESS THAN 6.24 lbf/sq. ft. (300 Pa). AVERAGE U-FACTOR: NOT MORE THAN 0.69 Btu/sq. ft. x h x deg. f (3.92 W/sq. m x K) PER AAMA 5. <u>DOORS:</u> 1-3/4" THICK GLAZED DOORS WITH MINIMUM 0.125" THICK EXTRUDED TUBULAR
- RAIL AND STILE MEMBERS. MECHANICALLY FASTENED CORNERS WITH REINFORCED BRACKETS THAT ARE DEEP PENETRATION AND FILLET WELDED OR THAT INCORPORATE CONCEALED TIE-RODS, SNAP-ON EXTRUDED ALUMINUM GLAZING STOPS, AND PREFORMED GASKETS.
- a. INTERIOR DOORS: GLAZE WITH 1/4" CLEAR TEMPERED GLASS. PROVIDE ANSI/BHMA A156.16 SILENCERS. THREE ON STRIKE JAMB OF SINGLE DOOR FRAMES AND TWO ON HEAD OF DOUBLE DOOR FRAMES.
- EXTERIOR DOORS: GLAZE WITH INSULATED TEMPERED GLASS UNITS MATCHING STOREFRONT GLASS OR CLEAR INSULATED GLASS PER CONSTRUCTION DRAWINGS. PROVIDE COMPRESSION WEATHERSTRIPPING AT FIXED STOPS. AT OTHER LOCATIONS, PROVIDE SLIDING WEATHERSTRIPPING RETAINED IN ADJUSTABLE STRIP MORTISED INTO DOOR EDGE. HARDWARE: PER DOOR SCHEDULE
- FASTENERS AND ACCESSORIES: COMPATIBLE WITH ADJACENT MATERIALS, CORROSION-RESISTANT. NONSTAINING, AND NONBLEEDING. USE CONCEALED FASTENERS EXCEPT FOR APPLICATION OF DOOR HARDWARE.
- FABRICATION: FABRICATE FRAMING IN PROFILES INDICATED. PROVIDE SUBFRAMES AND REINFORCING AS REQUIRED FOR A COMPLETE SYSTEM. FACTORY ASSEMBLE COMPONENTS TO GREATEST EXTENT POSSIBLE. DISASSEMBLE COMPONENTS ONLY AS NECESSARY FOR SHIPMENT AND INSTALLATION. DOORS FRAMING: REINFORCE TO SUPPORT IMPOSED LOADS. FACTORY ASSEMBLE DOOR AND FRAME UNITS AND FACTORY INSTALL HARDWARE TO GREATEST EXTENT POSSIBLE. REINFORCE DOOR AND FRAME UNITS FOR HARDWARE INDICATED. CUT. DRILL, AND TAP FOR FACTORY-INSTALLED HARDWARE BEFORE FINISHING
- 8. <u>ALUMINUM FINISH</u>: COMPLY WITH NAAMM'S "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS" FLUOROPOLYMER, 2-COAT SYSTEM, COMPLYING WITH AAMA 2604 a. COLOR: CUSTOM COLOR
- ISOLATE METAL SURFACES IN CONTACT WITH INCOMPATIBLE MATERIALS, INCLUDING WOOD, BY PAINTING CONTACT SURFACES WITH BITUMINUOUS COATING OR PRIMER, OR
- BY APPLYING SEALANT TAPE RECOMMENDED BY MANUFACTURER. 2. INSTALL FRAMING COMPONENTS TO PROVIDE A WEATHERPROOF SYSTEM AND TRUE IN ALIGNMENT WITH ESTABLISHED LINES AND GRADES TO THE FOLLOWING TOLERANCES: VARIATION FROM PLANE: LIMIT TO 1/8" IN 12 FEET: 1/4" OVER TOTAL LENGTH LIGNMENT: FOR SURFACES ABUTTING LINE, LIMIT OFFSET TO 1/16". FOR SURFACES
- MEETING AT CORNERS, LIMIT OFFSET TO 1/32". DIAGONAL MEASUREMENTS: LIMIT DIFFERENCE BETWEEN DIAGONAL MEASUREMENTS TO 1/8"
- PERIMETER JOINTS: 1/2" MAXIMUM. INSTALL DOORS WITHOUT WARP OR RACK. ADJUST DOORS AND HARDWARE TO PROVIDE TIGHT FIT AT CONTACT POINTS AND SMOOTH OPERATION.

- SUBMITTALS: PRODUCT DATA AND HARDWARE SCHEDULE INDICATING HARDWARE ITEM, FINISH, AND QUANTITY LOCATED ON EACH DOOR WITH DOOR AND HARDWARE SET NUMBERING
- CORRESPONDING TO THOSE USED IN CONSTRUCTION DOCUMENTS. B. <u>HARDWARE</u>: FURNISH PRODUCTS AS SPECIFIED IN THE HARDWARE SETS CONTAINED IN THE
- CONSTRUCTION DOCUMENTS AND AS FOLLOWS:
- a. QUANTITY: 3 HINGES FOR DOORS 90" OR LESS IN HEIGHT; 4 HINGES FOR DOORS MORE THAN 90" IN HEIGHT. BEARING: BALL BEARING HINGES AT ALL LOCATIONS.
- MATERIAL: STAINLESS STEEL OR BRASS/BRONZE HINGES WITH STAINLESS STEEL PINS FOR EXTERIOR; FINISH TO MATCH DOOR. PINS: NONREMOVABLE PINS FOR EXTERIOR AND PUBLIC INTERIOR EXPOSURE; NON-RISING ELSEWHERE.
- LOCKSETS AND LATCHSETS
- BORED LOCKS AND LATCHES: BHMA A156.2, SERIES 4000, GRADE 1 EXIT DEVICES: BHMA A156.3. GRADE 1 AUXILIARY LOCKS: BHMA A156.5, GRADE 1
- INTERCONNECTED LOCKS AND LATCHES: BHMA A156.12, SERIES 5000, GRADE 1 MORTISE LOCKS AND LATCHES: BHMA A156.13, SERIES 1000, GRADE 1 TRIM: LEVER HANDLE STYLE PER CONSTRUCTION DOCUMENTS OR IF NOT SPECIFIED, MATCH BUILDING STANDARD. IF NOT SPECIFIED AND NO STANDARD EXISTS, MATCH SCHLAGE "OMEGA"; TRIM ON EXIT DEVICES SHALL MATCH
- KEYING: PROVIDE CONSTRUCTION KEYING AND COORDINATE FINAL KEYING WITH OWNER'S MASTER-KEY SYSTEM. FURNISH KEY CONTROL SYSTEM, INCLUDING
- a. LOCATION: MOUNT CLOSERS ON INTERIOR (ROOM SIDE) OF DOOR OPENING. PROVIDE REGULAR-ARM, PARALLEL-ARM, OR TOP-JAMB-MOUNTED CLOSERS AS
 - b. OPTIONS: FURNISH ADJUSTABLE DELAYED OPENING (ADA ACCESSIBLE) FEATURE ON
- STOPS: FURNISH AND INSTALL WALL OR FLOOR STOPS AS APPROPRIATE FOR ALL DOORS WHETHER INDICATED OR NOT. WEATHERSTRIPPING: AT ALL EXTERIOR DOORS AND AS SCHEDULED, PROVIDE
- SMOKE GASKETING: PROVIDE SMOKE GASKETING AT ALL FIRE-RATED DOORS. THRESHOLDS: PROVIDE THRESHOLDS AT ALL EXTERIOR DOORS AND AS SCHEDULED

INSTALLATION: MOUNT HARDWARE IN LOCATIONS RECOMMENDED BY THE DOOR AND

WEATHERSTRIPPING ON HEAD AND JAMBS AND DRIP-SWEEP AT SILL.

- A. <u>SUBMITTALS</u>: PRODUCT DATA AND (2) 12" SQUARE SAMPLES OF EACH TYPE OF GLASS SPECIFIED.
- FIRE RESISTANCE-RATED ASSEMBLIES: PRODUCTS IDENTICAL TO THOSE TESTED PER

HARDWARE INSTITUTE, UNLESS OTHERWISE INDICATED.

- NFPA 252 FOR DOORS AND NFPA 257 FOR WINDOW ASSEMBLIES; BOTH LABELED AND LISTED BY UL OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO
- AUTHORITIES HAVING JURISDICTION. SAFETY GLASS: CATEGORY II MATERIALS COMPLYING WITH TESTING REQUIREMENTS IN 16
- GLAZING PUBLICATIONS: WHERE APPLICABLE, COMPLY WITH WITH THE PUBLISHED RECOMMENDATIONS OF THE FOLLOWING: GANA PUBLICATIONS: "GLAZING MANUAL" AND "LAMINATED GLASS DESIGN GUIDE"
- AAMA PUBLICATIONS: AAMA GDSG-1, "GLASS DESIGN FOR SLOPED GLAZING", AND AAMA TIR-A7. "SLOPED GLAZING GUIDELINES". SIGMA PUBLICATIONS: SIGMA TM-3000, "VERTICAL GLAZING GUIDELINES" AND SIGMA TB-3001, "SLOPED GLAZING GUIDELINES".
- FLOAT GLASS: ASTM C 1036, TYPE I, QUALITY q3 HEAT-TREATED FLOAT GLASS: ASTM C 1048, TYPE I, QUALITY q3, HEAT STRENGTHENED OR FULLY TEMPERED WHERE INDICATED AND WHERE REQUIRED BY CODE OR INSTALLATION CONDITIONS
- COATED GLASS: ASTM C 1048. CONDITION C, TYPE I, QUALITY q3, HEAT STRENGTHENED OR FULLY TEMPERED WHERE INDICATED AND WHERE REQUIRES BY CODE OR INSTALLATION CONDITIONS.
- WIRED GLASS: TYPE II, CLASS I, QUALITY q8, FORM 1 POLISHED, WITH m2 SQUARE
- PATTERNED GLASS: ASTM C 1036, TYPE II, CLASS 1, FORM 3, QUALITY q8, FINISH F1 PATTERN PER CONSTRUCTION DRAWINGS.
- TEMPERED PATTERNED GLASS: ASTM C 1048. TYPE II, CLASS 1, FORM 3, QUALITY q8, FINISH F1, PATTERN PER CONSTRUCTION DRAWINGS. MIRROR GLASS: ASTM C 1036, TYPE I, CLASS 1, QUALITY q1, SILVER COATED PER FS DDM411C, 6.0mm THICK, WITH EDGES FLAT POLISHED.
- SEALED INSULATING-GLASS UNITS: PREASSEMBLED UNITS COMPLYING WITH ASTM E 774
- FOR CLASS CBA UNITS WITH TWO SHEETS OF GLASS SEPARATED BY A 1/2-INCH DEHYDRATED SPACE FILLED WITH AIR. a. VISION GLASS: (**GL-1**) PPG SOLARBAN 70XL SOLAR CONTROL LOW-E GLASS OR APPROVED EQUAL
- 1/4" CLEAR, 1/2" AIR SPACE, 1/4" CLEAR PROVIDE LOW-E COATING ON 2ND SURFACE. VISIBILE LIGHT TRANSMITTANCE: 64%
- SPANDREL GLASS: (SP-1) TO MATCH VISION GLASS WITH OPACIFIER APPLIED TO FOURTH SURFACE WARRANTY: 10 YEAR WARRANTY TO INCLUDE REPLACEMENT OF SEALED UNITS EXHIBITING SEAL FAILURE, INTERPANE DUSTING OR MISTING.

SOLAR HEAD GAIN COEFFICIENT: 0.27

- COMPLY WITH COMBINED RECOMMENDATIONS OF MANUFACTURERS OF GLASS,
- SEALANTS, GASKETS, AND OTHER GLAZING MATERIALS, UNLESS MORE STRINGENT REQUIREMENTS ARE CONTAINED IN GANA'S "GLAZING MANUAL" SET GLASS LITES IN EACH SERIES WITH UNIFORM PATTERN, DRAW, BOW, AND SIMILAR
- CHARACTERISTICS. AFTER GLASS INSTALLATION IS COMPLETE, REMOVE GLAZING MATERIALS AND LABELS FROM FINISHED SURFACES, AND THOROUGHLY CLEAN GLASS AND ADJACENT FRAMING AND SURFACES. REPEAT AS NECESSARY PRIOR TO FINAL WALK-THROUGH.

- END DIVISION 8 -

<u>DIVISION 9 - FINISHES</u>

LAYER CONTAINING THE REVEALS.

INDEPENDENT TESTING AND INSPECTING AGENCY.

- 092216 NON-STRUCTURAL METAL FRAMING
- STEEL FRAMING MEMBERS: COMPLY WITH ASTM C754 IN DEPTHS AND GAGES AS INDICATED IN THE CONSTRUCTION DRAWINGS AND AS FOLLOWS STEEL SHEET COMPONENTS: COMPLY WITH ASTM C645 WITH MANUFACTURER'S
- STANDARD CORROSION-RESISTANT ZINC COATING. TIE WIRE: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER. .0625" DIAMETER OR DOUBLE STRAND OF .0475" DIAMTER WIRE.
- WIRE HANGERS: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER. .0162"
- DRAWINGS IN MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END BUTT JOINTS AND AS GYPSUM WALLBOARD: ASTM C 36, TYPE 'X' WITH TAPERED EDGES, SAG-RESISTANT TYPE FOR CEILING SURFACES.
- WATER-RESISTANT GYPSUM BACKING BOARD: ASTM C 630, TYPE 'X' ON ALL TOILET ROOM AND SHOWER ROOM WALLS, BEHIND ALL PLUMBING FIXTURES, AND AS INDICATED GLASS-MAT, WATER RESISTANT GYPSUM BACKING BOARD: ASTM C 1178, GEORGIA PACIFIC "DENS-SHIELD TILE BACKER", OR EQUAL AT TILED, 'WET' WALLS

PANEL PRODUCTS: PROVIDE IN THICKNESS AND TYPE INDICATED IN THE CONSTRUCTION

- EXTERIOR SOFFIT BOARD: GEORGIA PACIFIC "DENS-GLAS GOLD", OR APPROVED EQUAL CEMENTITIOUS BACKER UNITS: ANSI A118.9. MPACT RESISTANT GYPSUM BOARD: ASTM C 1629/C 1629M WITH TAPERED EDGES. GLASS-MAT GYPSUM SHEATHING BOARD: ASTM C 1177, WITH FIBERGLASS MAT AMINATED TO BOTH SIDES AND WITH MANUFACTURER'S STANDARD EDGES, GEORGIA
- PACIFIC "DENSGLASS GOLD SHEATHING"
- TRIM: ASTM 1047, FORMED FROM GALVANIZED OR ALUMINUM COATED STEEL SHEET, ROLLED ZINC, OR PLASTIC

a. OUTSIDE CORNERS: PROVIDE CORNER BEAD UNLESS NOTED OTHERWISE

EXPOSED PANEL EDGES: PROVIDE LC-BEAD (J-BEAD) UNLESS NOTED OTHERWISE USE TEAR-AWAY BEAD WHERE GYP. BD. MEETS WINDOW FRAMES OR CEILING GRID. CONTROL JOINTS: PROVIDE WHERE INDICATED OR APPROXIMATELY 30'-0" MAX. CONTACT ARCHITECT FOR LOCATIONS IF NOT INDICATED.

ACOUSTICAL SEALANT: COMPLY WITH ASTM C 834, NONSAG, PAINTABLE, NONSTAINING

DECORATIVE REVEALS ARE INDICATED IN A RATED ASSEMBLY, PROVIDE ADDITIONAL LAYERS

OF GYPSUM BOARD AS NECESSARY TO MAINTAIN THE FIRE RATED ASSEMBLY BEHIND THE

- REVEALS AND MOLDINGS: EXTRUDED ALUMINUM WITH CLASS II CLEAR ANODIZED SOUND-ATTENUATION BLANKETS: ASTM C 665, TYPE I (UNFACED)
- FIRE-RESISTANCE-RATED ASSEMBLIES: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL O THOSE TESTED IN ASSEMBLIES AS INDICATED BY AND INDEPENDENT TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. WHERE
- STC-RATED ASSEMBLIES: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE STED IN ASSEMBLIES PER ASTM E 90 AND CLASSIFIED PER ASTM E 413 BY A QUALIFIED

(CONT) 092900 GYPSUM BOARD

- FRAMING: COMPLY WITH ASTM C 754 AND ASTM C 840 AND WITH U.S. GYPSUM'S "GYPSUM CONSTRUCTION HANDBOOK" ISOLATE FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF LOADING IMPOSED BY STRUCTURAL MOVEMENT AND PROVIDE
 - BRACING AS NECESSARY FOR PROPER SUPPORT WHETHER INDICATED OR NOT. GYPSUM PANELS AND FINISH: COMPLY WITH ASTM C 840 AND GA-216. ISOLATE GYPSUM BOARD ASSEMBLIES FROM ABUTTING STRUCTURAL AND MASONRY WORK AND FINISH AS
 - a. LEVEL 1 (EMBED TAPE AT JOINTS)
 - LOCATIONS: AT CONCEALED AREAS UNLESS A HIGHER LEVEL IS INDICATED OR REQUIRED FOR FIRE-RESISTANCE-RATED ASSEMBLY.
 - b. LEVEL 2 (EMBED TAPE AND APPLY SEPARATE FIRST COAT OF JOINT COMPOUND TO TAPE. FASTENERS, AND TRIM FLANGES AND SAND SMOOTH AFTER EACH COAT) LOCATIONS: AT SUBSTRATES BEHIND TILE.
 - c. LEVEL 4 (EMBED TAPE AND APPLY SEPARATE FIRST, FILL, AND FINISH COATS OF JOINT COMPOUND TO TAPE, FASTENERS, AND TRIM FLANGES AND SAND SMOOTH AFTER EACH COAT) LOCATIONS: AT ALL WALLS RECEIVING FLAT OR SATIN SHEEN PAINT OR
 - WALLCOVERING LEVEL 5 (EMBED TAPE, APPLY SEPARATE FIRST, FILL, AND FINISH COATS OF JOINT COMPOUND TO TAPE, FASTENERS, AND TRIM FLANGES, AND APPLY THIN SKIM COAT OF JOINT COMPOUND OVER ENTIRE SURFACE AND SAND SMOOTH AFTER EACH
 - LOCATIONS: AT ALL WALLS RECEIVING SEMI-GLOSS OR GLOSS SHEEN PAINT LONG HALLWAYS, CRITICAL LIGHTING AREAS ABUTTING WINDOWS OR AREAS FLOODED WITH NATURAL OR ARTIFICIAL LIGHT, ALL WALLS ADJACENT TO AND PERPINDICULAR TO EXTERIOR GLASS, AND ALL GYPSUM BOARD CEILINGS TERMINATIONS AT WINDOW MULLIONS: WHEN GYPSUM BOARD PARTITIONS TERMINATE INTO WINDOW MULLIONS, THE TERMINATIONS SHALL BE INSTALLED AS DETAILED ON THE

CONSTRUCTION DOCUMENTS. IF NOT DETAILED, THE TERMINATIONS SHALL BE INSTALLED TO ALLOW PERIMETER WINDOW BLINDS TO EXTEND FULLY TO THE WINDOW MULLION, NOT CUT SHORT DUE TO THE WIDTH OF THE PARTITION.

093013 CERAMIC TILE

- SUBMITTALS: PRODUCT DATA FOR SETTING AND GROUTING MATERIALS AND THREE (3) SAMPLES OF EACH TILE SPECIFIED FOR VERIFICATION PURPOSES.
- B. ATTIC STOCK: FURNISH 2% OF EACH TYPE OF CERAMIC TILE PACKAGED WITH PROTECTIVE COVERING AND LABELED FOR STORAGE.
- C. TILE: COMPLY WITH STANDARD GRADE REQUIREMENTS IN ANSI A137.1 "SPECIFICATIONS FOR CERAMIC TILE" FOR PRODUCTS AND SIZES INDICATED IN THE CONSTRUCTION DOCUMENTS. FLOOR TILE SHALL HAVE A STATIC COEFFICIENT OF FRICTION OF 0.6 OR GREATER PER ASTM C
- D. <u>INSTALLATION MATER</u>IALS
- TYPICAL INTERIOR INSTALLATIONS: LATEX/POLYMER MODIFIED PORTLAND CEMENT COMPLYING WITH ANSI A108.5 AND ANSI 118.4. GLASS TILE: PER TILE MANUFACTURER'S RECOMMENDATIONS
- GROUT:UNSANDED FOR JOINTS 1/16" WIDTH OR LESS, SANDED FOR JOINTS GREATER THAN 1/16" IN COLOR INDICATED OR TO BE SELECTED. TYPICAL INTERIOR INSTALLATIONS: STANDARD CEMENT GROUT, FOOD SERVICE, BUILDING LOBBIES, AND RESTROOMS: WATER-CLEANABLE EPOXY 3. SETTING BED ACCESSORIES: ANSI A 108.1A
- INSTALLATION METHODS: COMPLY WITH TILE INSTALLATION STANDARDS IN ANSI'S 'SPECIFICATIONS FOR THE INSTALLATIONS OF CERAMIC TILE" AND TCA'S "HANDBOOK FOR CERAMIC TILE INSTALLATION" THAT APPLY TO THE MATERIALS AND METHODS INDICATED BELOW: PROVIDE CRACK BRIDGING MEMBRANE OVER ALL CONTROL JOINTS AND COLD JOINTS IN SLAB. AT ALL LOCATIONS WHERE TILE EDGES ARE DESIGNED TO BE EXPOSED, FACTORY
- EDGES SHALL BE EXPOSED IN LIEU OF CUT EDGES. 1. EXTERIOR CONCRETE WALKWAYS AND PATIOS: TCA F102 (THIN-SET MORTAR BONDED TO

ON-GRADE CONCRETE SLABS: TCA F113 (THIN-SET MORTAR BONDED TO CONCRETE

- 3. ELEVATED CONCRETE SLABS: TCA F113 (THIN-SET MORTAR BONDED TO CONCRETE SLAB) IF FLOOR IS SUBJECT TO MOVEMENT AND DEFLECTION CONTACT ARCHITECT FOR FLOORS IN FOOD SERVICE, BUILDING LOBBIES, AND RESTROOMS: TCA F-115 (THIN-SET MORTAR BONDED TO CONCRETE SUBFLOOR WITH EPOXY GROUT)
- OVER CMU OR CONCRETE: TCA W202 (LATEX PORTLAND CEMENT MORTAR OVER OVER GYPSUM BOARD: TCA W243 (THIN-SET MORTAR BONDED TO GYPSUM BOARD) OVER COATED GLASS-MAT BACKER BOARD: TCA W245 (THIN-SET MORTAR BONDED TO
- TERMINATIONS: WHERE CUT TILE IS SPECIFIED AS THE TOP COURSE ON WALL WAINSCOTING OR WALL BASE WITH AN EXPOSED TOP EDGE, THE FACTORY EDGE SHALL BE USED AS THE

G. CONFLICTS: IF NOT ADDRESSED ON DRAWINGS, WHERE ELECTRICAL DEVICES OR TOILET

- ACCESSORIES STRADDLE THE TRANSITION FROM THE TOP EDGE OF WAINSCOT WALL TILE TO GYPSUM BOARD SUBSTRATE, CONTACT ARCHITECT FOR RESOLUTION. H. GROUT JOINTS:

 1. JOINT SIZE: SET TILE WITH THE SMALLEST GROUT JOINT ACHIEVABLE AND AS
- RECOMMENED BY THE MFR. BASED ON THE TILE PRODUCT AND SUBSTRATE CONDITIONS, UNLESS NOTED OTHERWISE. 2. TILE PATTERN: LAY TILE IN PATTERNS AS INDICATED IN THE CONSTRUCTION DOCUMENTS. ALIGN JOINTS WHERE ADJOINING TILES ON FLOOR, BASE, WALLS, AND TRIM ARE THE SAME SIZE, UNLES INDICATED OTHERWISE.

INSTALLATION: INSTALL GROUT PER MANUFACTURER'S INSTRUCTIONS, EXERCISING CARE

TO AVOID REMOVAL OF GROUT COLOR BY USE OF EXCESS WATER DURING INSTALLATION. FADED OR CHALKY GROUT SHALL BE CAUSE FOR REJECTION. SEALER: AFTER FULLY CURED, GROUT SHALL BE SEALED WITH TWO (2) COATS OF

COMMERCIAL QUALITY PENETRATING SILICONE SEALER.

BACKER BOARD)

- SUBMITTALS: PRODUCT DATA FOR SETTING AND GROUTING MATERIALS AND THREE (3)
- ATTIC STOCK: FURNISH 2% OF EACH TYPE OF STONE TILE PACKAGED WITH PROTECTIVE OVERING AND LABELED FOR STORAGE.
- STONE TILE: COMPLY WITH STANDARDS BELOW FOR PRODUCTS, SIZES, THICKNESSES, AND FINISHES INDICATED IN THE CONSTRUCTION DOCUMENTS.
- 1. GRANITE: COMPLY WITH ASTM C 615, LIMESTONE: COMPLY WITH ASTM C568, CLASSIFICATION II (MEDIUM DENSITY), OR CLASSIFICATION III (HIGH DENSITY MARBLE: COMPLY WITH ASTM C 503, CLASSIFICATION I (CALCITE), OR
- 4. SLATE: COMPLY WITH ASTM C 629 CLASSIFICATION I (EXTERIOR), OR CLASSIFICATION II (INTERIOR). TRAVERTINE: COMPLY WITH ASTM C 1527 CLASSIFICATION I (EXTERIOR), OR CLASSIFICATION II (INTERIOR)

CLASSIFICATION II (DOLOMITE).

SAMPLES OF EACH TILE SPECIFIED FOR VERIFICATION PURPOSES.

- ANSI'S "SPECIFICATIONS FOR THE INSTALLATIONS OF CERAMIC TILE" THAT APPLY TO THE MATERIALS AND METHODS INDICATED. 2. FLOOR SEALER: COLORLESS, SLIP AND STAIN RESISTANT, NOT AFFECTING COLOR OR PHYSICAL PROPERTIES OF STONE SURFACES.
- INSTALLATION METHODS: COMPLY WITH THE TILE INSTALLATION STANDARDS IN ANSI'S "SPECIFICATIONS FOR THE INSTALLATIONS OF CERAMIC TILE" THAT APPLY TO THE MATERIALS AND METHODS INDICATED. ON-GRADE CONCRETE SLABS: TCA F113 (THIN-SET MORTAR BONDED TO CONCRETE

ELEVATED CONCRETE SLABS: TCA F113 (THIN-SET MORTAR BONDED TO CONCRETE

SETTING AND GROUTING MATERIALS: COMPLY WITH THE MATERIALS STANDARDS IN

- SLAB) IF FLOOR IS SUBJECT TO MOVEMENT AND DEFLECTION CONTACT ARCHITECT FOR ALTERNATE METHOD. OVER CMU OR CONCRETE: TCA W202 (LATEX PORTLAND CEMENT MORTAR OVER
- CONCRETE OR MASONRY). 4. OVER GYPSUM BOARD: TCA W243 (THIN-SET MORTAR BONDED TO GYPSUM BOARD) JOINT SIZE: SET TILE WITH THE SMALLEST GROUT JOINT ACHIEVABLE BASED ON THE
- TILE PRODUCT AND SUBSTRATE CONDITIONS, UNLESS NOTED OTHERWISE. TILE PATTERN: LAY TILE IN PATTERNS AS INDICATED IN THE CONSTRUCTION DOCUMENTS. ALIGN JOINTS WHERE ADJOINING TILES ON FLOOR AND BASE ARE THE SAME SIZE, UNLESS INDICATED OTHERWISE.

INSTALLATION: INSTALL GROUT PER MANUFACTURER'S INSTRUCTIONS, EXERCISING

CARE TO AVOID REMOVAL OF GROUT COLOR BY USE OF EXCESS WATER DURING INSTALLATION. FADED OR CHALKY GROUT SHALL BE CAUSE FOR REJECTION. SEALER: AFTER FULLY CURED AND CLEANED, TILE AND GROUT SHALL BE SEALED

ACCORDING TO SEALER MANUFACTURER'S WRITTEN INSTRUCTIONS.

095123 ACOUSTICAL TILE CEILINGS

- A. <u>SUBMITTALS</u>: PRODUCT DATA
- B. <u>ATTIC STOCK</u>: FURNISH 2% OF EACH TYPE OF CEILING TILE PACKAGED WITH PROTECTIVE OVERING AND LABELED FOR STORAGE.
- ACOUSTICAL TILE PRODUCTS: PROVIDE CEILING TILE IN TYPE AND SIZES INDICATED IN THE CONSTRUCTION DOCUMENTS COMPLYING WITH ASTM E 1264, CLASS A MATERIALS, TESTED PER
 - SUSPENSION SYSTEM: PROVIDE HEAVY DUTY, DIRECT-HUNG, SUSPENSION SYSTEMS AS INDICATED IN THE CONSTRUCTION DOCUMENTS COMPLYING WITH ASTM C 635. FURNISH
- ALUMINUM GRID IN SHOWERS, KITCHENS, AND OTHER HIGH-HUMIDITY AREAS. 1. ATTACHMENT DEVICES: SIZE FOR FIVE (5) TIMES THE DESIGN LOAD INDICATED IN ASTM C 635, TABLE 1, DIRECT HUNG UNLESS OTHERWISE INDICATED.
- WIRE HANGERS, BRACES, AND TIES: ZINC-COATED CARBON-STEEL WIRE; ASTM A 641/ (A 641 M), CLASS 1 ZINC COATING, SOFT TEMPER WITH A YIELD STRENGTH AT LEAST THREE (3) TIMES THE HANGER DESIGN LOAD (ASTM C 635, TABLE 1, DIRECT HUNG), BUT NOT LESS
- THAN 0.135" DIAMETER WIRE. SEISMIC STRUTS: MANUFACTURER'S STANDARD PRODUCT DESIGNED TO ACCOMMODATE SEISMIC FORCES.
- HOLD-DOWN CLIPS: PROVIDE HOLD-DOWN CLIPS ON CEILING TILE IN ENTRANCE VESTIBULES, COMPUTER ROOMS EMPLOYING DRY CHEMICAL FIRE-SUPPRESSION SYSTEMS, AND OTHER AREAS AS INDICATED.
- E. <u>INSTALLATION</u>: COMPLY WITH ASTM C 636 AND CISCA'S "CEILING SYSTEMS HANDBOOK". SEQUENCE WORK TO ENSURE ACOUSTICAL CEILINGS ARE NOT INSTALLED UNTIL BUILDING IS ENCLOSED, SUFFICIENT HEAT IS PROVIDED, DUST GENERATION ACTIVITIES
- HAVE TERMINATED, AND OVERHEAD WORK IS COMPLETED, TESTED, AND APPROVED. INSTALL CEILING GRID AS INDICATED TO BE SYMMETRICAL ABOUT BOTH AXES OF EACH ROOM USING NOT LESS THAN HALF-SIZE TILE UNLESS INDICATED OTHERWISE ON THE
- SUPPORT SUSPENSION SYSTEM INDEPENDENTLY OF DUCTS, PIPES, AND CONDUITS. SUPPORT FIXTURE LOADS USING SUPPLEMENTARY HANGERS LOCATED WITHIN 6" OF EACH CORNER OR SUPPORT FIXTURES INDEPENDENTLY. PROVIDE MATCHING PERIMETER MOLDING INSTALLED IN BEAD OF ACOUSTICAL SEALANT

AT ALL LOCATIONS WHERE CEILING INTERSECTS VERTICAL SURFACES. USE MATCHING

PRE-FORMED CLOSURES AT ROUND OR CURVED OBSTRUCTIONS. 6. FIELD-CUT EDGES SHALL MATCH PROFILE OF FACTORY EDGES.

- 096513 RESILIENT BASE AND ACCESSORIES A. <u>SUBMITTALS</u>: PRODUCT DATA AND THREE (3) SAMPLES OF EACH TILE AND BASE SPECIFIED FOR
- VERIFICATION PURPOSES.
- B. <u>ATTIC STOCK</u>: FURNISH 20' OF EACH COLOR AND TYPE OF WALL BASE PACKAGED WITH PROTECTIVE COVERING AND LABELED FOR STORAGE. RESILIENT WALL BASE: ASTM TYPE TS (RUBBER, VULCANIZED THERMOSET) 1/8" THICK,
- WITH JOB-FORMED INSIDE AND OUTSIDE CORNERS. D. <u>WALL BASE AND ACCESSORY INSTALLATION:</u> CONFIRM THAT SOLID BACKING IS PROVIDED BEHIND ALL WALL BASE. AREAS WHERE

TILE IS EXPOSED AS INDICATED IN THE FINISH SCHEDULE.

INSTALL WALL BASE WITH MANUFACTURER'S RECOMMENDED ADHESIVE IN MAXIMUM LENGTHS POSSIBLE. APPLY TO WALLS, COLUMNS, PILASTERS, CASEWORK, AND OTHER INSTALL TRANSITION STRIPS WHERE FLOORING MATERIALS MEET OR WHERE EDGE OF

FURNISHED IN COILS IN STYLES AND SIZES INDICATED IN THE CONSTRUCTION DOCUMENTS

GYPSUM BOARD IS HELD MORE THAN 1/2" ABOVE SLAB SHALL BE FILLED IN PRIOR TO

097200 WALL COVERINGS

BASE INSTALLATION.

- A. <u>SUBMITTALS</u>: THREE (3) SAMPLES OF EACH WALLCOVERING SPECIFIED FOR VERIFICATION PURPOSES.
- B. <u>ATTIC STOCK</u>: FURNISH FULL-WIDTH ROLLS OF EACH WALLCOVERING EQUAL TO 5% OF AMOUNT OF EACH TYPE INSTALLED, PACKAGED WITH PROTECTIVE COVERING AND LABELED FOR
- MORE THAN 25 AND 450 RESPECTIVELY, PER ASTM E 84. ORDER ALL MATERIALS FROM THE SAME FACTORY DYE LOT. INSTALLATION

 1. CLEAN SUBSTRATES OF SUBSTANCES THAT COULD IMPAIR WALLCOVERING BOND,

PRODUCTS: PROVIDE WALLCOVERING IN PATTERNS AND COLORS AS INDICATED IN THE

CONSTRUCTION DOCUMENTS WITH FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF NOT

ACCLIMATIZE WALLCOVERING MATERIALS BY REMOVING THEM FROM PACKAGING IN THE

WHERE WALL SURFACES EXTEND INTO THE SAME PLANE AS VERTICAL FACES OF CEILING

SOFFITS, CONTACT ARCHITECT FOR INSTRUCTIONS ON FINISHING OF VERTICAL FACES.

- INCLUDING MOLD, MILDEW, OIL, GREASE, INCOMPATIBLE PRIMERS AND DIRT AND PRIME PRIME NEW GYPSUM BOARD WITH PRIMER RECOMMENDED BY WALLCOVERING
- INSTALLATION AREAS NOT LESS THAN 24 HOURS PRIOR TO INSTALLATION. INSTALL SEAMS VERTICAL AND PLUMB, WITH NO HORIZONTAL SEAMS, AND NO OVERLAPPED SEAMS UNLESS "RAILROADING" IS SPECIFIED ON THE CONSTRUCTION DOCUMENTS. MATCH OR RANDOM MATCH PATTERN AND REVERSE HANG WHEN

CLEANING: REMOVE EXCESS ADHESIVE AT FINISHED SEAMS, PERIMETER EDGES, AND ADJACENT SURFACES USING CLEANING METHODS RECOMMENDED BY WALLCOVERING MANUFACTURER.

INDICATED IN MANUFACTURER'S INSTRUCTIONS

COMPATIBLE WITH ONE ANOTHER AND WITH SUBSTRATES.

OTHER SURFACE IMPERFECTIONS.

097720 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)

A. INSTALL FRP PANELS TO 8'-0" HIGH AND INCLUDING TRIM AND ACCESSORIES HIGH ON ALL WALLS BEHIND JANITIOR SINKS AND MOP BASINS (COLOR TO BE SELECTED).

- A. <u>SUBMITTALS</u>: PRODUCT DATA AND THREE (3) DRAW-DOWN SAMPLES OF EACH COLOR AND SHEEN SPECIFIED.
- B. <u>ATTIC STOCK</u>: FURNISH ONE (1) GALLON OF EACH PAINT COLOR AND SHEEN, IN CONTAINERS, PROPERLY LABELED AND SEALED. PRODUCTS: PROVIDE MANUFACTURER'S BEST QUALITY PAINTS OF COLOR AND SHEEN AS INDICATED IN THE CONSTRUCTION DOCUMENTS THAT ARE FORMULATED AND RECOMMENDED

BY MANUFACTURER FOR APPLICATION INDICATED. PROVIDE MATERIALS THAT ARE

EQUIPMENT: APPLY COATINGS BY BRUSH, ROLLER, SPRAY, OR OTHER APPLICATORS ACCORDING TO COATING MANUFACTURER'S WRITTEN INSTRUCTIONS. WHEN SPRAYED, EXTERIOR COATINGS SHALL BE BACK-ROLLED FOLLOWING SPRAY APPLICATION. USE ROLLERS FOR FINISH COAT ON INTERIOR WALLS AND CEILINGS. PIGMENTED (OPAQUE) FINISHES: COMPLETELY COVER SURFACES TO PROVIDE A SMOOTH, OPAQUE SURFACE OF UNIFORM APPEARANCE. PROVIDE A FINISH FREE OF

CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, OR

3. TRANSPARENT (CLEAR) FINISHES: USE MULTIPLE COATS TO PRODUCE A GLASS-SMOOTH SURFACE FILM OF EVEN LUSTER. PROVIDE A FINISH FREE OF LAPS, RUNS, CLOUDINESS, COLOR IRREGULARITY, BRUSH MARKS, ORANGE PEEL, NAIL HOLES OR OTHER SURFACE

E. PAINT SYSTEMS - EXTERIOR: PROVIDE THE FOLLOWING PAINT SYSTEMS FOR THE EXTERIOR

1. FERROUS METAL: SEMIGLOSS ALKYD ENAMEL: TWO COATS OVER RUST-INHIBITIVE

- ZINC-COATED METAL: SEMIGLOSS ALKYD ENAMEL: TWO COATS OVER GALVANIZED METAL ALUMINUM: SEMIGLOSS ALKYD ENAMEL: TWO COATS OVER PRIMER
- PAINT SYSTEMS INTERIOR: PROVIDE THE FOLLOWING PAINT SYSTEMS FOR THE INTERIOR SUBSTRATE INDICATED GYPSUM BOARD: ACRYLIC ENAMEL; SHEEN AS INDICATED: TWO COATS OVER PRIMER WOODWORK: SEMI-GLOSS ALKYD ENAMEL: TWO COATS OVER PRIMER
 - NATURAL FINISH WOODWORK: ALKYD-BASED, SATIN VARNISH: TWO COATS OVER SEALER FERROUS METAL: SEMIGLOSS ACRYLIC ENAMEL: TWO COATS OVER FERROUS METAL

ZINC COATED METAL: ACRYLIC ENAMEL; SHEEN AS INDICATED: TWO COATS OVER

STAINED WOODWORK: ALKYD-BASED, SATIN VARNISH: TWO COATS OVER SEALER AND

GALVANIZED METAL PRIMER - END DIVISION 9



CONSTRUCTION As Noted on Plans Review

Lee's Summit, Missouri

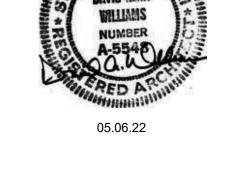
PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 09.27.22 Issued For: CONSTRUCTION REVISIONS

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REGISTRATION



PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

BSE STRUCTURAL

HENDERSON

ENGINEERS

HENDERSON

ENGINEERS

CIVIL LANDSCAPE LAND 3

ENGINEERS BSE STRUCTRAL STRUCTURAL **ENGINEERS**

FOUNDATIONS

PLUMBING

ELECTRICAL

HENDERSON MECHANICAL **ENGINEERS**

FIRE PROTECTION HENDERSON

CONTRACTOR FOGEL-ANDERSON

913 .498.1550 www.finklewilliams.com

SHEET TITLE

8787 RENNER BLVD., SUITE 100

LENEXA, KANSAS 66219

ARCHITECTURE

SHEET NUMBER

PROJECT

122413 ROLLER WINDOW SHADES

- - PRODUCT DATA FOR EACH PRODUCT TYPE MATERIAL SAMPLES FOR SHADE FABRIC OPTIONS AND FASCIA OPTIONS REPRESENTING MANUFACTURER'S FULL RANGE OF AVAILABLE PATTERNS AND COLORS
 - SHOP DRAWINGS SHOWING FABRICATION AND INSTALLATION DETAILS 4. OPERATION AND MAINTENANCE DATA
- B. <u>WARRANTIES:</u> ROLLER SHADE HARDWARE, CHAIN, AND SHADECLOTH: 10 YEARS
- ACCEPTABLE MANUFACTURERS: MECHOSHADE SYSTEMS, INC., HUNTER-DOUGLAS CONTRACT, WT SHADE, OR APPROVED EQUAL. MUST OBTAIN ROLLER SHADES FROM SINGLE SOURCE FROM SINGLE MANUFACTURER.
- BASIS OF DESIGN: MANUAL ROLLER SHADE "H100 SOLOMOUNT" BY WT SHADE OR APPROVED EQUAL. PROVIDE WITH FRONT FACSIA (WHITE) OR CLOSURE MOUNT WITH TILE SUPPORT AND REMOVABLE CLOSURE TRIM (WHITE) AS INDICATED IN THE DRAWINGS. CONFIGURATION: ONE-PIECE UNITS EXTENDING FROM WINDOW HEAD TO SILL, UNLESS
- TED OTHERWISE. SEE CONSTRUCTION DRAWINGS FOR MOUNTING LOCATION. TYPE: MANUALLY OPERATED, CHAIN DRIVEN, SUNSCREEN ROLLER SHADES. SHADE CLOTH: VISUALLY TRANSPARENT SINGLE THICKNESS, NON-RAVELING, ANTI-STATIC, FADE AND STAIN RESISTANT FABRIC CONTAINING PVC, POLYESTER, OR VINYL RANGING FROM 6.00 OZ/SQ. YD - 20.70 OZ. SQ. YD. IN PATTERNS AND COLORS TO BE
- OPENNESS FACTOR: 1% c. FIRE-TEST RESPONSE CHARACTERISTICS: COMPLY WITH NFPA 701-99

SELECTED FOM MANUFACTURER'S FULL AVAILABLE RANGE.

a. ECOFABRIX: 253-89 (GRAY BLACK)

- ACCESSORIES: a. FASCIA: FURNISH CONTINUOUS REMOVABLE EXTRUDED ALUMINUM FASCIA TO FULLY CONCEAL BRACKETS, SHADE ROLLER, AND FABRIC ON THE TUBE THAT ATTACHES TO SHADE MOUNTING BRACKETS WITHOUT THE USE OF ADHESIVES, MAGNETIC STRIPS OR EXPOSED FASTENERS. PROVIDE END CAPS WHERE WHERE
- MOUNTING CONDITIONS EXPOSE OUTSIDE OF ROLLER SHADE BRACKETS. b. SHADE POCKET: WHERE INDICATED, FURNISH EXTRUDED ALUMINUM SHADE POCKETS WITH EXPOSED EXTRUDED ALUMINUM CLOSURE MOUNT, TILE SUPPORT, AND REMOVABLE CLOSURE PANEL TO PROVIDE ACCESS TO SHADES.
- <u>INSTALLATION</u>: FURNISH AND INSTALL SHADES ON ALL EXTERIOR GLASS EXCEPT LOBBY AND ESTIBULE GLASS, UNLESS NOTED OTHERWISE. 1. INSTALL SHADES AFTER FINISH WORK IS COMPLETE AND AMBIENT TEMPERATURE AND
- HUMIDITY ARE AT LEVELS INTENDED FOR OCCUPANCY. 2. ADJUST AND BALANCE SHADES TO OPERATE SMOOTHLY, EASILY, SAFELY, AND FREE FROM BINDING THROUGH ENTIRE OPERATIONAL RANGE. FABRIC SHALL HANG STRAIGHT WITHOUT CURLING OR RAVELING AND SHALL NOT SHIFT MORE THAN 1/8" IN EITHER DIRECTION PER 8' OF SHADE HEIGHT DUE TO WARP DISTORTION OR WEAVE DESIGN. 3. CLEAN SURFACES JUST PRIOR TO OCCUPANCY.

- END DIVISION 12 -

DIVISION 10 - SPECIALTIES 102113 TOILET COMPARTMENTS

- SUBMITTALS: SHOP DRAWINGS INCLUDING DIMENSIONED PLANS, ELEVATIONS, CONNECTION DETAILS, AND DETAILS OF WALL SUPPORTS, PRODUCT DATA, AND COLOR CHARTS
- B. <u>STAINLESS STEEL TOILET COMPARTMENTS:</u>
- TOILET-ENCLOSURE STYLE: CEILING HUNG 2. URINAL-SCREEN STYLE: WALL HUNG WITH INTEGRAL FLANGES
- DOOR, PANEL, AND PILASTER CONSTRUCTION: SEAMLESS, METAL FACING SHEETS PRESSURE LAIMATED TO CORE MATERIAL; WITH CONTINUOUS INTERLOCKING MOLDING STRIP; CORNERS SECURED BY WELDING OR CLIPS EXPOSED WELDS GROUND SMOOTH, EXPOSED SURFACES SHALL BE FREE OF PITTING, SEAM MARKS, ROLLER MARKS, STAINS, SDISCOLORATIONS, OR
- OTHER IMPERFECTIONS. STAINLESS STEEL SHEETS: ASTM A 666, TYPE 304, NO. 3 OR NO. 4 DIRECTIONAL POLISH. CORE MATERIAL: SOUND DEADENING HONEYCOMB OF RESIN-IMPREGNATED KRAFT
- PAPER IN THICKNESS REQUIRED TO PROVIDE FINISHED THICKNESS OF 1" MINIMUM FOR DOORS, PANELS, AND SCREENS, 11/4" MINIMUM FOR PILASTERS. 3. GRAB BAR REINFORCING: PROVIDE CONCEALED INTERNAL REINFORCEMENT FOR GRAB BARS MOUNTED ON UNITS TO MEET ALL REQUIREMENTS.
- FABRICATION: MOUNTING AND BRACING TYPE AS INDICATED ON CONSTRUCTION DOCUMENTS DOORS: 30" WIDE IN-SWINGING DOORS FOR STANDARD COMPARTMENTS; 36" WIDE OUT-SWINGING DOORS WITH MINIMUM 32" WIDE CLEAR OPENING FOR HANDICAP ACCESSIBLE COMPARTMENTS, UNLESS NOTED OTHERWISE.
- DOOR HARDWARE: CAST ZINC ALLOY (ZAMAC), STAINLESS STEEL, OR CLEAR ANODIZED ALUMINUM COMPLYING WITH AMERICANS WITH DISABILITIES ACT FOR HANDICAP
 - ACCESSIBLE COMPARTMENTS. a. HINGES: SELF-CLOSING, ADJUSTABLE TO HOLD DOOR OPEN AT ANY ANGLE UP TO 90
 - DEGREES. b. LATCHES AND KEEPERS: RECESSED UNIT DESIGNED FOR EMERGENCY ACCESS AND
 - WITH COMBINATION RUBBER-FACED DOOR STRIKE AND KEEPER. COAT HOOK: COMBINATION HOOK AND RUBBER-TIPPED BUMPER, SIZED TO
- PREVENT DOOR FROM HITTING COMPARTMENT-MOUNTED ACCESSORIES. DOOR BUMPER: RUBBER-TIPPED BUMPERS AT OUT-SWINGING DOORS e. DOOR PULL: PROVIDE AT OUT-SWINGING DOORS.
- INSTALLATION: INSTALL UNITS RIGID, STRAIGHT, LEVEL, AND PLUMB WITH NOT MORE THAN 1/2" BETWEEN PILASTERS AND PANELS AND NOT MORE THAN 1" BETWEEN PANELS AND WALLS. PROVIDE BRACKETS, PILASTER SHOES, BRACING, AND OTHER COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION. USE THEFT-RESISTANT EXPOSED FASTENERS FINISHED TO MATCH HARDWARE. USE SLEEVE NUTS FOR THROUGH-BOLT APPLICATIONS.
- ALIGN BRACKETS FOR PILASTERS WITH BRACKETS AT WALLS. 2. SET HINGES ON IN-SWINGING DOORS TO HOLD OPEN APPROXIMATELY 30 DEGREES FROM CLOSED POSITION WHEN UNLATCHED. SET HINGES ON OUT-SWINGING DOORS TO RETURN TO FULLY CLOSED POSITION.

102800 TOILET AND BATH ACCESSORIES:

REFERENCE CONSTRUCTION DRAWINGS FOR TYPE, QUANTITY, AND LOCATIONS OF TOILET AND BATH

- END DIVISION 10 -

DIVISION 14 - CONVEYING SYSTEMS

14123.16 MACHINE ROOM-LESS ELECTRIC TRACTION PASSENGER ELEVATORS

- SHOP DRAWINGS INCLUDING PLANS, ELEVATIONS, SECTIONS AND DETAILS OF ASSEMBLY. ERECTION, ANCHORAGE, RAIL BRACKETS, INSERTS, BLOCK-OUTS, CUTOUTS AND EQUIPMENT IN MACHINE ROOM, AND CABS WITHIN HOSITWAY. INDICATE DETAILED
- ELECTRICAL REQUIREMENTS AND LOADS IMPOSED ON THE STRUCTURE.
- PRODUCT DATA INDICATING COMPLIANCE WITH REQUIREMENTS. FINISH SAMPLES INSPECTION AND ACCEPTANCE CERTIFICATES AND OPERATING PERMITS AS REQUIRED BY **AUTHORITIES HAVING JURISDICTION**
- WARRANTY: MANUFACTURER'S STANDARD WRITTEN WARRANTY AGREEING TO REPAIR, RESTORE, OR REPLACE DEFECTS IN ELEVATOR WORK FOR A PERIOD OF (12) MONTHS FROM TEH DATE OF SUBSTANTIAL COMPLETION. FURNISH MAINTENANCE AND CALL BACK SERVCIE FOR A PERIOD OF 12 MONTHS FROM THE DATE OF SUBSTANTIAL COMPLETION.
- B. <u>ELEVATORS</u>: BASIS OF DESIGN: **KONE MACHINE ROOM-LESS MONOSPACE 500** PROVIDE ELEVATOR(S) COMPLYING WITH ASME A17.1, SECTION 4.10 OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES, SECTION 407 OF ICC ANSI A117.1, AND THE FOLLOWING (REF BASIS OF DESIGN SHEET A6.04)
 - a. RATED LOAD: 3500 LB RATED SPEED: 110 FPM
 - CAB HEIGHT: 9'-0" DOOR HEIGHT: 8'-0"
- e. ACCOMODATE PORCELAIN FLOOR TILE IN WEIGHT CAPACITY
- DOOR, FRAME, AND FRONT WALL INCLUDING CONTROL PANEL: ASTM A666, TYPE 304.

CAR ENCLOSURES AND ENTRANCES:

- STAINLESS STEEL, WITH NO. 4 SATIN FINISH, BOTH FACES. DOOR FRAME SHALL HAVE 11/2-2" WIDE FACES. REAR AND SIDE WALLS:
- REINFORCED ENAMELED STEEL CAB WALLS PREPARED FOR CUSTOM APPLIED FINISHES AND WITH SOUND DEADENING MATERIAL APPLIED TO THE EXTERIOR OF THE CAB WALLS.
- REINFORCED ENAMELED STEEL CAB WALLS WITH REMOVABLE PLASTIC LAMINATE PANELS AND WITH SOUND DEADENING MATERIAL APPLIED TO THE EXTERIOR OF THE CAB WALLS.
- 3. CEILING: REFERENCE FINISH SCHEDULE AND NOTES FLOOR: SUBFLOOR DESIGNED TO RECEIVE PORCELAIN TILE, REFERENCE FINISH
- SCHEDULE AND NOTES. HANDRAILS: MANUFACTURER'S STANDARD SATIN STAINLESS STEEL PIPE RAIL ON REAR
- 6. SILL: EXTRUDED ALUMINUM WITH GROOVED SURFACE, 1/4" THICKNESS. PROTECTION PADS: FURNISH ONE (1) SET OF STUDS AND PROTECTION PADS PER
- D. <u>OPERATING SYSTEM</u>: AS DEFINED IN ASME A17.11. SIMPLEX

ELEVATOR.

- ILLUMINATED HALL-CALL AND CAR-CALL BUTTONS: SATIN STAINLESS STEEL LOCATED BESIDE (NOT IN) DOOR FRAME.
- CONTROL STATION: RECESSED NO. 4 SATIN STAINLESS STEEL EMERGENCY COMMUNICATION SYSTEM: COMPLY WITH ASME A17.1 AND THE AMERICANS
- WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES. 4. CAR POSITION INDICATOR: LOCATED IN CAB ABOVE CAR DOOR OR CAR CONTROL STATION. ALSO INCLUDE AUDIBLE SIGNAL TO INDICATE CAR IS EITHER STOPPING OR
- PASSING A FLOOR; INCLUDE DIRECTION ARROWS. 5. HALL LANTERNS WITH ILLUMINATED ARROWS: MATCH FINISH OF HALL PUSH BUTTON
- STATIONS. MOUNT ABOVE DOOR FRAME. 6. HALL POSITION INDICATOR: MATCH FINISH OF HALL PUSH BUTTON STATIONS. MOUNT ABOVE EACH HOISTWAY ENTRANCE AT GROUND FLOOR.
- DOOR REOPENING DEVICES, INFRARED ARRAY: UNIFORM ARRAY OF 36 OR MORE MICROPROCRESSOR-CONTROLLED INFRARED LIGHT BEAMS PROJECTING ACROSS CAR ENTRANCE. INTERRUPTION OF ONE OR MORE OF THE LIGHT BEAMS CAUSES DOORS TO STOP AND REOPEN.

- DRILL HOLES AND INSTALL CYLINDER IN PROTECTIVE CASING WITHIN WELL HOLES OR CASINGS AFTER REMOVING WATER AND DEBRIS.
- 2. ALIGN CYLINDER, ANCHOR SECURELY IN PLACE AT PIT FLOOR, AND FILL VOIDS WITH FINE
- 3. SEAL BETWEEN WELL CASING, PROTECTIVE CASING OR CYLINDER AND PIT FLOOR WITH 4"
- OF NONSHRINK, NONMETALLIC GROUT 4. ADJUST ELEVATOR FOR 1/4" LEVELING TOLERANCE.
- SET SILLS FLUSH WITH FINISH FLOOR AND FILL SPACE UNDER SILLS SOLID WITH NONSHRINK, NONMETALLIC GROUT.
- 6. RESTORE ANY STAINLLESS STEEL FINISHES DAMAGED DURING CONSTRUCTION.

- END DIVISION 14 -

DIVISION 15 - MECHANICAL

SEE MECHANICAL PLANS AND SPECIFICATIONS

DIVISION 16 - ELECTRICAL

SEE ELECTRICAL PLANS AND SPECIFICATIONS

DIVISION 21 - FIRE SUPPRESSION

283100 FIRE ALARM

- SEE ELECTRICAL PLANS FOR SPECIFICATION OF FIRE ALARM SYSTEMS.
- HORN/STROBE DEVICES: HORN/STROBE DEVICES SHALL BE "WHITE" AND SHALL BE CEILING MOUNTED TO MAXIMUM EXTENT FEASIBLE; WALL-MOUNTED WHERE NECESSARY.

210500 FIRE SUPPRESSION SYSTEMS

GYPSUM BOARD CEILINGS.

- SEE MECHANICALPLANS FOR SPECIFICATIONS OF FIRE SUPPRESSION SYSTEMS SUBMITTALS: SHOP DRAWINGS INDICATING LAYOUT AND PROPOSED HEIGHTS OF PIPING AND HEADS, AND PRODUCT DATA FOR VALVES, HEADS, AND ALARMS, INCLUDING CALCULATIONS. SUBMIT REQUIRED NUMBER OF SETS TO AUTHORITIES HAVING JURISDICTION FOR REVIEW,
- COMMENT, AND APPROVAL. SPRINKLER HEADS AND ESCUTCHEONS: IN SUSPENDED ACOUSTICAL TILE CEILINGS, SPRINKLER HEADS SHALL BE PENDANT SEMI-RECESSED CHROME PLATED WITH CHROME PLATED ESCUTCHEONS. IN GYSPUM BOARD CEILINGS SPRINKLER HEADS SHALL BE CONCEALED WITH
- WHITE ENAMEL COVERS. LAYOUT: SPRINKLER HEADS SHALL BE LAID OUT TO FALL IN "CENTER-OF-TILE" WHEN INSTALLED IN SUSPENDED ACOUSTICAL TILE CEILINGS AND SHALL BE LAID OUT SYMMETRICALLY IN

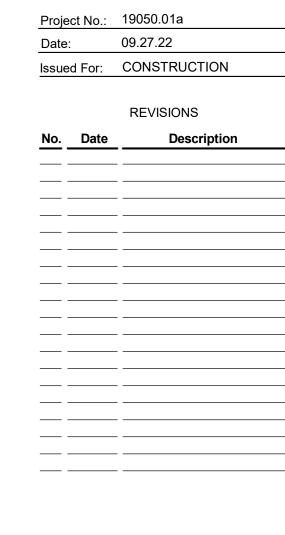


CONSTRUCTION As Noted on Plans Review

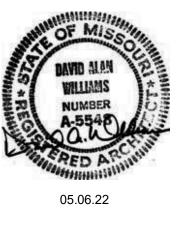
Lee's Summit, Missouri

PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO



REGISTRATION



PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL GBA LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON **ENGINEERS** HENDERSON ELECTRICAL **ENGINEERS** FIRE PROTECTION HENDERSON CONTRACTOR FOGEL-ANDERSON



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SHEET TITLE

PROJECT SPECIFICATIONS