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M000 MECH. LEGENDS AND GEN. NOTES

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PROJECT TEAM

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9801 Renner Blvd, Suite 300 Lenexa, Kansas 66219 PH. 913-577-8341

LANDSCAPE 2100 Central St, Suite 01C Kansas City, Missouri 64108 PH. 312-492-6501

FOUNDATIONS BSE STRUCTURAL ENGINEERS 11320 West 79th St. Lenexa, Kansas 66214 PH. 913-492-7400

STRUCTURAL BSE STRUCTRAL ENGINEERS 11320 West 79th St. Lenexa, Kansas 66214 PH. 913-492-7400

PH. 816-842-6914 **MECHANICAL** HENDERSON ENGINEERS 8345 Lenexa Dr, Suite 300

Lenexa, Kansas 66214

Kansas City, Missouri 64106

CONTRACTOR

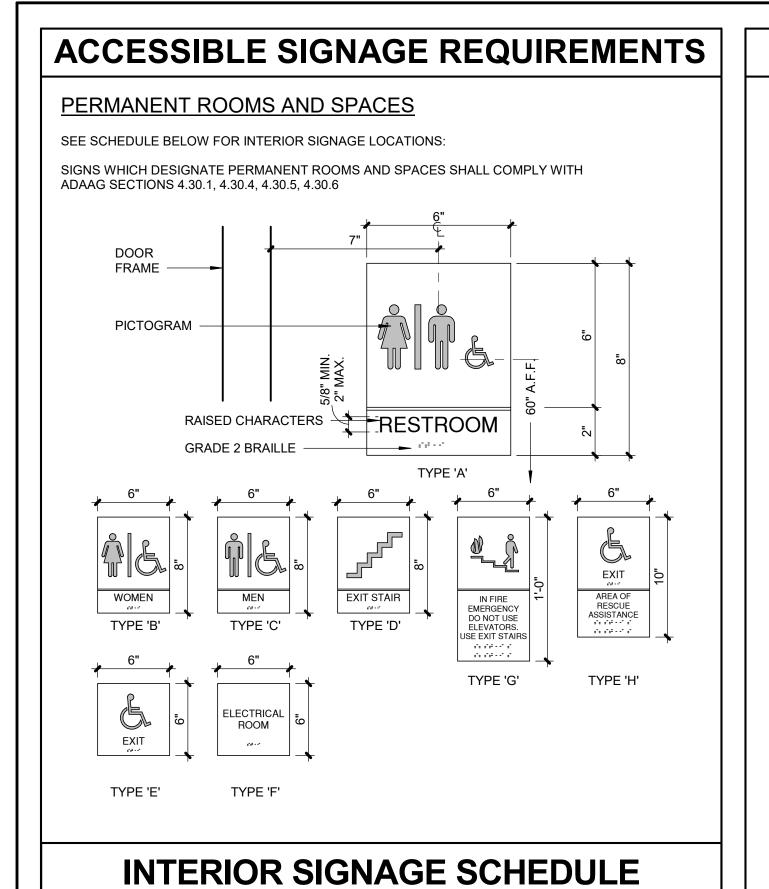
1212 E. 8th St.

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

ELECTRICAL HENDERSON ENGINEERS 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





DOOR NO. **ROOM NAME SIGN TYPE SIGN TEXT** ELECT./IT ELECTRICAL FIRE RISER ROOM ELECTRICAL **ELEV** MENS RR WOMENS RR WEST STAIR EAST STAIR

- TACTILE & BRAILE CHARACTERS

 a. CHARACTERS SHALL BE RAISED MINIMUM 1/32" CHARATERS SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE
- 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 MOUNTING LOCATION AND HEIGHT

DIRECTIONAL INFORMATION

OTHER SIGNS WHICH PROVIDE DIRECTION TO OR INFORMATION ABOUT

"GRIZZLE GREY"

- 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.

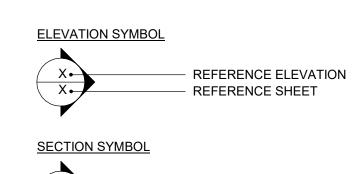
DRAWING SYMBOLS LEGEND

EXISTING CONSTRUCTION TO REMAIN

NEW CONSTRUCTION

- WALL TYPE DESIGNATION -• XX 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.

- REFERENCE SECTION



- REFERENCE SHEET 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 1/2" 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 PERMITS, LICENSES, AND ALL UTILITY CHARGES, AND ARRANGE FOR ALL REQUIRED INSPECTIONS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING BUILDING & SITE

THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL

UTILITIES BETWEEN CIVIL & MEP DRAWINGS. THE CONTRACTOR SHALL ALSO CONTACT ALL

APPLICABLE UTILITY COMPANIES & PROVIDE CONDUIT & OTHER FACILITIES AS REQUIRED.

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

- 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
- 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.

- ALL MATERIALS SPECIFIED OR NOTED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS. PRODUCT DATA, OR SAMPLES FOR CASEWORK, FINISHES, DOORS, FRAMES, HARDWARE, MECHANICAL, ELECTRICAL, AND PLUMBING FIXTURES, AND OTHER ITEMS REQUIRING ARCHITECT'S REVIEW FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS, AND FOR ALL ITEMS WHICH ALLOWED CONTRACTOR OPTIONS. PRIOR TO FORWARDING TO THE ARCHITECT FOR REVIEW. THESE SUBMITTALS MUST BE REVIEWED BY THE CONTRACTOR FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO. ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL AFFIX A STAMP TO SUBMITTAL INDICATING HIS REVIEW. SUBMITTALS FORWARDED WITHOUT A STAMP WILL BE RETURNED. ALL SUBMITTALS MUST BE REVIEWED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
- 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.
- 12. 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.
- 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
- 20. TENANT SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF VOICE AND DATA CABLING AND EQUIPMENT.

MUST BE RATED FOR PLENUM USE.

- 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 OR ARCHITECT.
- 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.
- 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.
- 28. 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

DATE

THIS DISCLAMER SERVES NOTICE OF ACCEPTANCE OF RESPONSIBILITY AND DISCLAIMER OF RESPONSIBILITY AS TO THE CONTRACT DOCUMENTS PREPARED FOR

<u>TITLE</u>

19050.01a, PARAGON STAR BLDG 2 / LOT 9 BY FINKLE + WILLIAMS, INC. THE UNDERSIGNED ARCHITECT, AND FINKLE + WILLIAMS, INC., ARE RESPONSIBLE FOR PREPARATION OF ONLY THE NOTED CONSTRUCTION DRAWINGS BELOW:

A0.00	COVER	05/06/22
A0.01	LEGENDS & GEN. NOTES	05/06/22
A0.02	WALL TYPES	05/06/22
A0.03	ARCHITECTURAL SITE PLAN	05/06/22
A0.04	CODE SITE PLAN	05/06/22
A0.05	CODE PLANS	05/06/22
A0.11	SLAB EDGE PLAN - 1ST FLOOR WEST	05/06/22
A0.12	SLAB EDGE PLAN - 1ST FLOOR EAST	05/06/22
A0.13	SLAB EDGE PLAN - 2ND FLOOR WEST	05/06/22
A0.14	SLAB EDGE PLAN - 2ND FLOOR EAST	05/06/22
A1.01	OVERALL FLOOR PLANS	05/06/22
A1.02	FIRST FLOOR PLAN -WEST	05/06/22
A1.03	FIRST FLOOR PLAN - EAST	05/06/22
A1.04	SECOND FLOOR PLAN - WEST	05/06/22
A1.05	SECOND FLOOR PLAN - EAST	05/06/22
A2.01	ENLARGED TOILET PLANS AND DETAILS	05/06/22
A2.10	INTERIOR ELEVATIONS	05/06/22
A2.11	INTERIOR ELEVATIONS	05/06/22
A3.01	OVERALL ROOF PLAN	05/06/22
A3.02	ROOF PLAN - WEST	05/06/22
A3.03	ROOF PLAN - EAST	05/06/22
A3.05	ROOF DETAILS	05/06/22
A4.01	EXTERIOR ELEVATIONS	05/06/22
A4.02	ENLARGED ELEVATIONS - NORTH	05/06/22
A4.03	ENLARGED ELEVATIONS - SOUTH	05/06/22
A4.04	ENLARGED ELEVATIONS	05/06/22
A5.00	BUILDING SECTIONS	05/06/22
A5.01	WALL SECTIONS	05/06/22
A5.02	WALL SECTIONS	05/06/22
A5.03	WALL SECTIONS	05/06/22
A5.04	WALL SECTIONS	05/06/22
A5.05	WALL SECTIONS	05/06/22
A5.06	WALL SECTIONS	05/06/22
A5.07	WALL SECTIONS	05/06/22
A5.08	WALL SECTIONS	05/06/22
A6.01	VERTICAL CIRCULATION	05/06/22
A6.02	VERTICAL CIRCULATION	05/06/22
A6.03	VERTICAL CIRCULATION	05/06/22
A6.04	VERTICAL CIRCULATION	05/06/22
A6.05	VERTICAL CIRCULATION	05/06/22
A6.06	VERTICAL CIRCULATION	05/06/22
A6.07	VERTICAL CIRCULATION DETAILS	05/06/22
A7.01	DETAILS	05/06/22
A7.02	DETAILS	05/06/22
A8.01	DOOR SCHEDULE AND DETAILS	05/06/22
A8.02	DOOR & WINDOW DETAILS	05/06/22
A8.03	DOOR & WINDOW DETAILS	05/06/22
A8.10	FINISH SCHEDULE AND DETAILS	05/06/22
A8.11	FINISH PLAN	05/06/22
A0.11 A9.01	REFLECTED CEILING PLAN	05/06/22
A9.01 A9.10	CEILING DETAILS	05/06/22
A9.10 A11.10	PROJECT SPECIFICATIONS	05/06/22
A11.10 A11.11	PROJECT SPECIFICATIONS PROJECT SPECIFICATIONS	05/06/22
A11.11 A11.12	PROJECT SPECIFICATIONS PROJECT SPECIFICATIONS	05/06/22
MII.IZ	FINOSECT OFECIFICATIONS	03/00/22

THE UNDERSIGNED ARCHITECT AND FINKLE + WILLIAMS DISCLAIM RESPONSIBILITY FOR 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.

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 ADDRESS: 3201 NW PARAGON PKWY LEE'S SUMMIT, MO PROPOSED USE: _____B, A-2, & M

APPLICABLE CODES

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

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

PROVIDED THROUGHOUT PER IBC 903 AND FIRE SPINKLER SYSTEM: NSTALLED PER NFPA 13 FIRE ALARM & DETECTION SYSTEM: PROVIDED THROUGHOUT PER IBV 907 AND INSTALLED PER NFPA 72

GENERAL EXITING LIMITATIONS (CHAPTER 10)

OCCUPANT LOAD (1004):

MAXIMUM TRAVEL DISTANCE (1016):

FIRST FLOOR: 6,792 S.F. / 60 S.F. PER OCCUPANT = 114 OCCUPANTS MERCANTILE: 20,740 S.F. TOTAL 15,555 S.F. / 15 S.F. PER OCCUPANT = 1,037 OCCUPANTS 5,185 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

MINIMUM PLUMBING FIXTURE COUNT (CHAPTER 29)

B = 300 FT (FULLY SPRINKLERED)

1 = 250 FT (FULLY SPRINKLERE

		WATER			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

* 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.

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REVISIONS

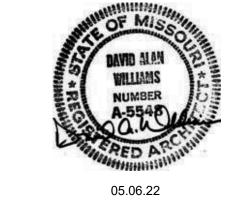
PARAGON STAR

BLDG 2 / LOT 9

3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

REGISTRATION



PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

STRUCTURAL BSE STRUCTRAL **ENGINEERS**

PLUMBING HENDERSON **ENGINEERS**

MECHANICAL

ELECTRICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON CONTRACTOR GC

HENDERSON

ENGINEERS

FINKLE + WILLIAMS

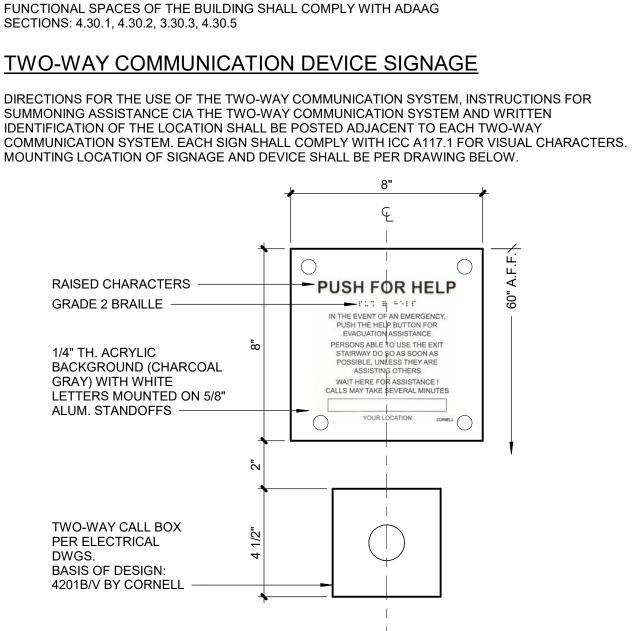
ARCHITECTURE 8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550

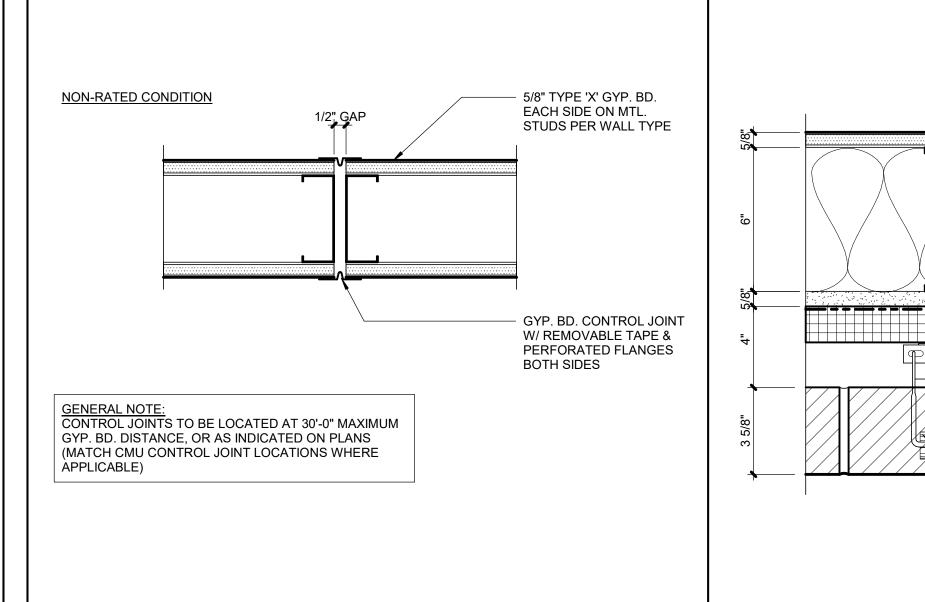
www.finklewilliams.com

SHEET TITLE

LEGENDS & GEN. NOTES

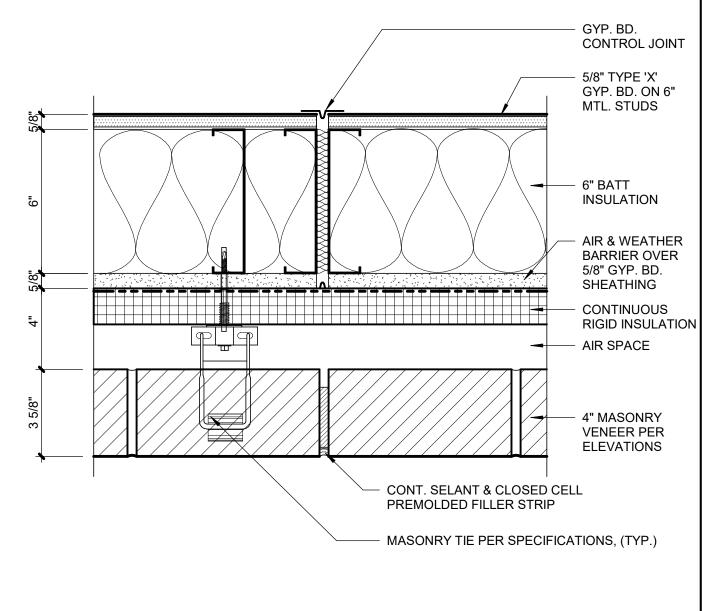
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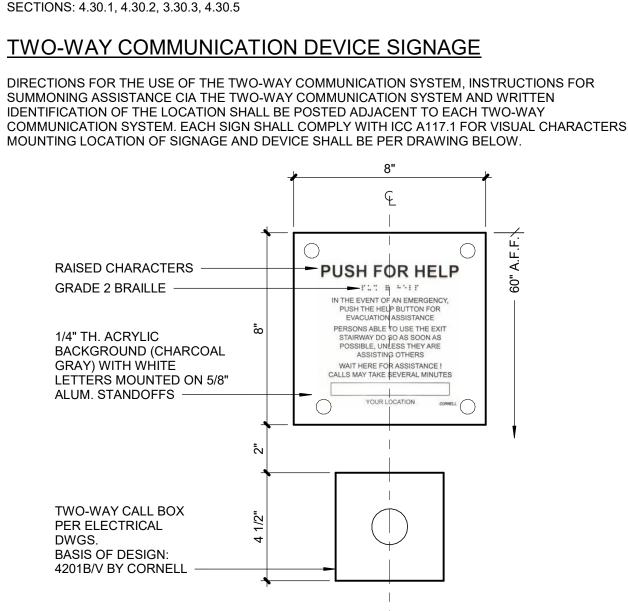


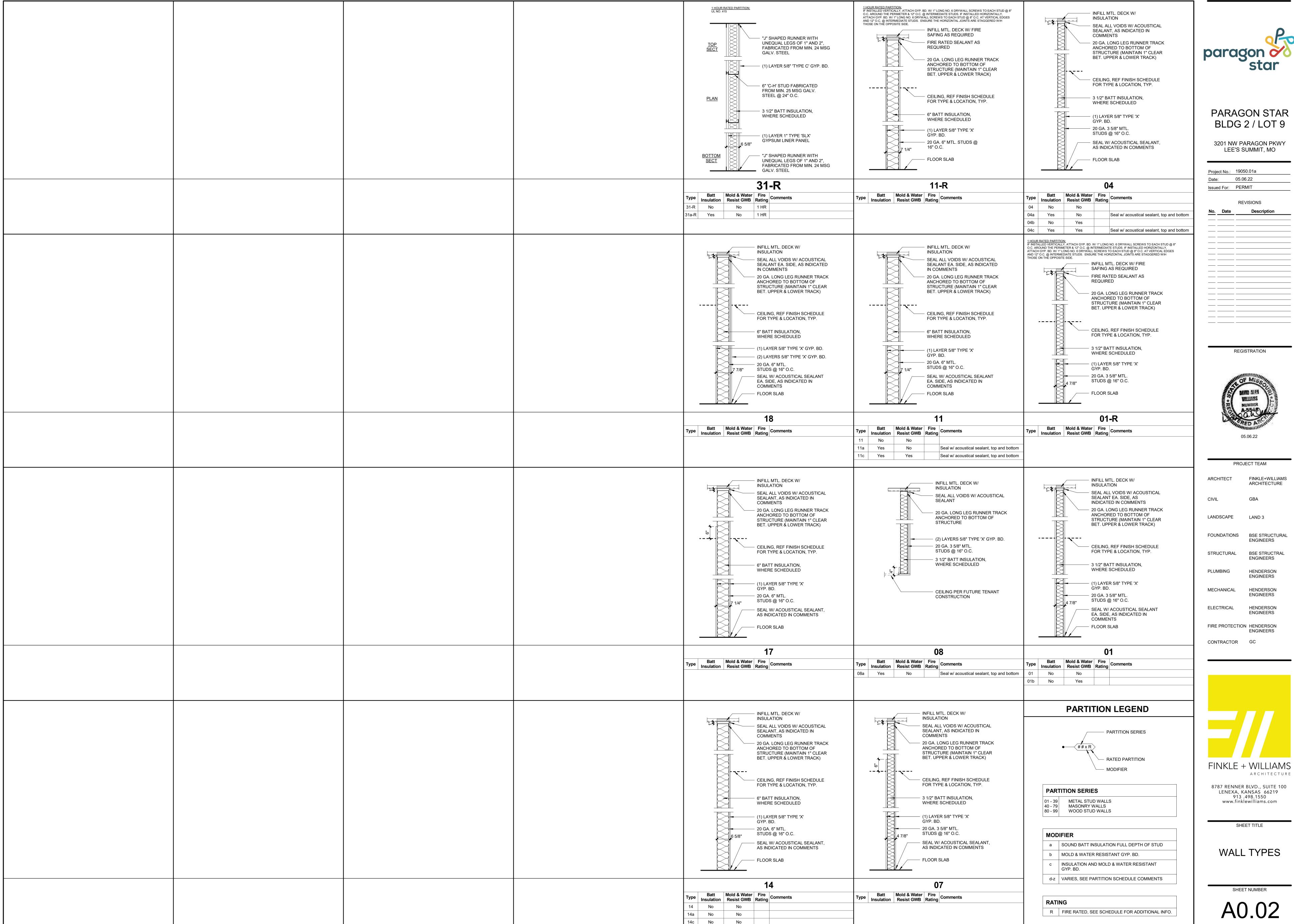
CONTROL JOINT

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



MASONRY CONTROL JOINT **A0.01** SCALE: 3" = 1'-0"





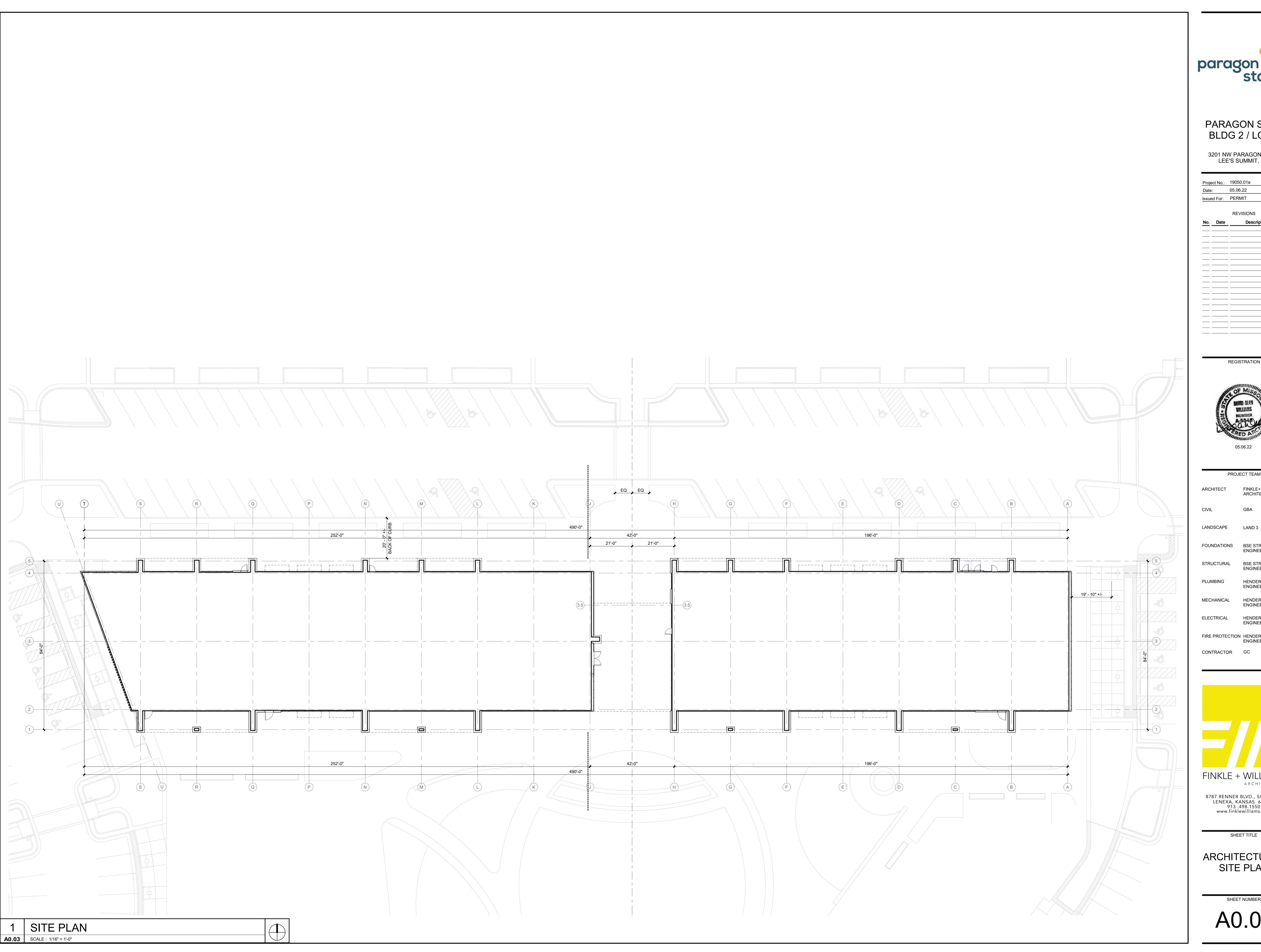
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PARAGON STAR



FINKLE+WILLIAMS ARCHITECTURE



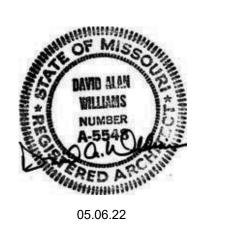


3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 05.06.22

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PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

STRUCTURAL BSE STRUCTRAL **ENGINEERS**

> **ENGINEERS** HENDERSON

HENDERSON

ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

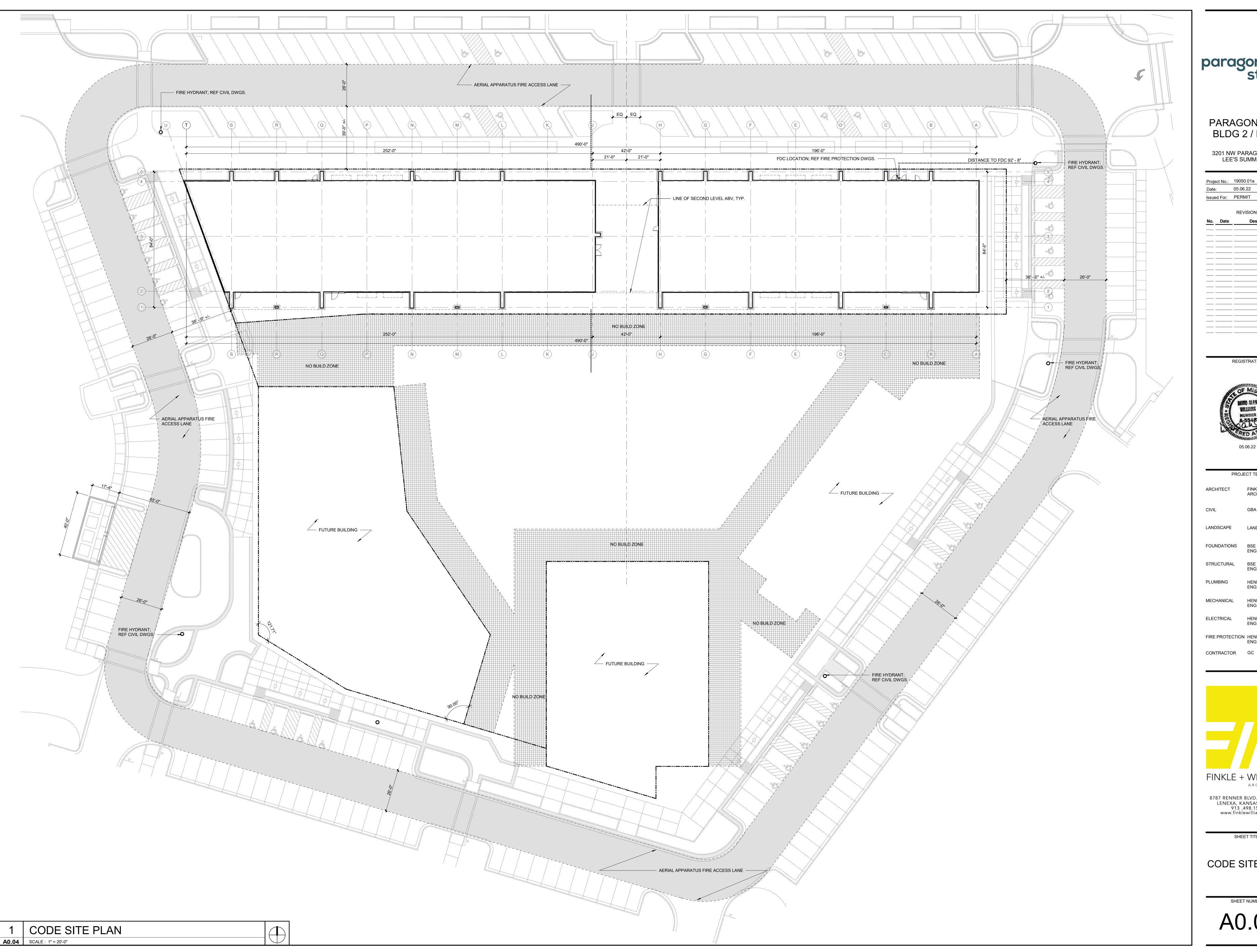


FINKLE + WILLIAMS ARCHITECTURE

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SHEET TITLE

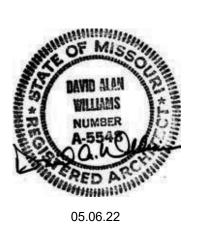
ARCHITECTURAL SITE PLAN





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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PROJECT TEAM FINKLE+WILLIAMS

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

STRUCTURAL BSE STRUCTRAL **ENGINEERS**

PLUMBING HENDERSON **ENGINEERS**

MECHANICAL HENDERSON ELECTRICAL HENDERSON

FIRE PROTECTION HENDERSON ENGINEERS

ENGINEERS

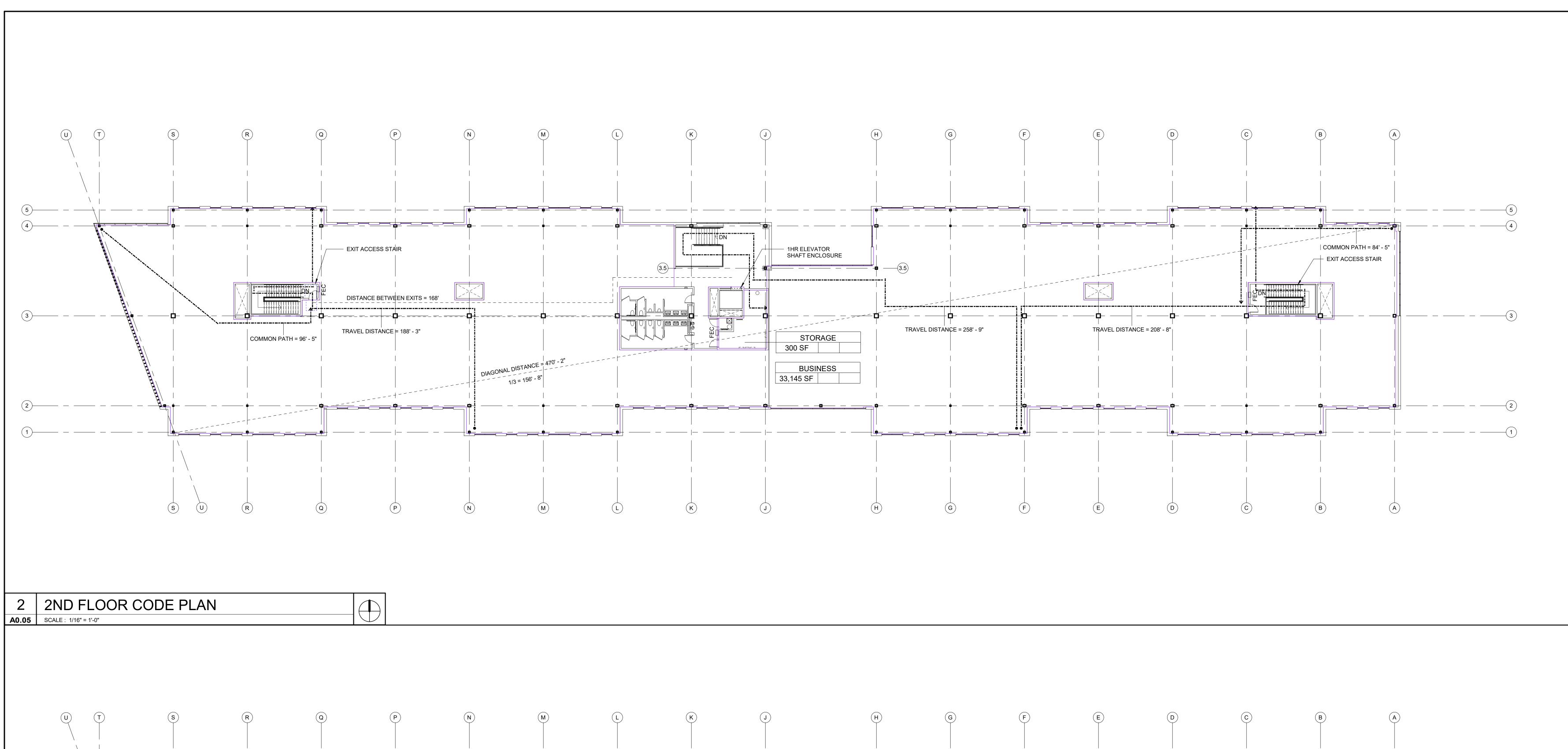
FINKLE + WILLIAMS

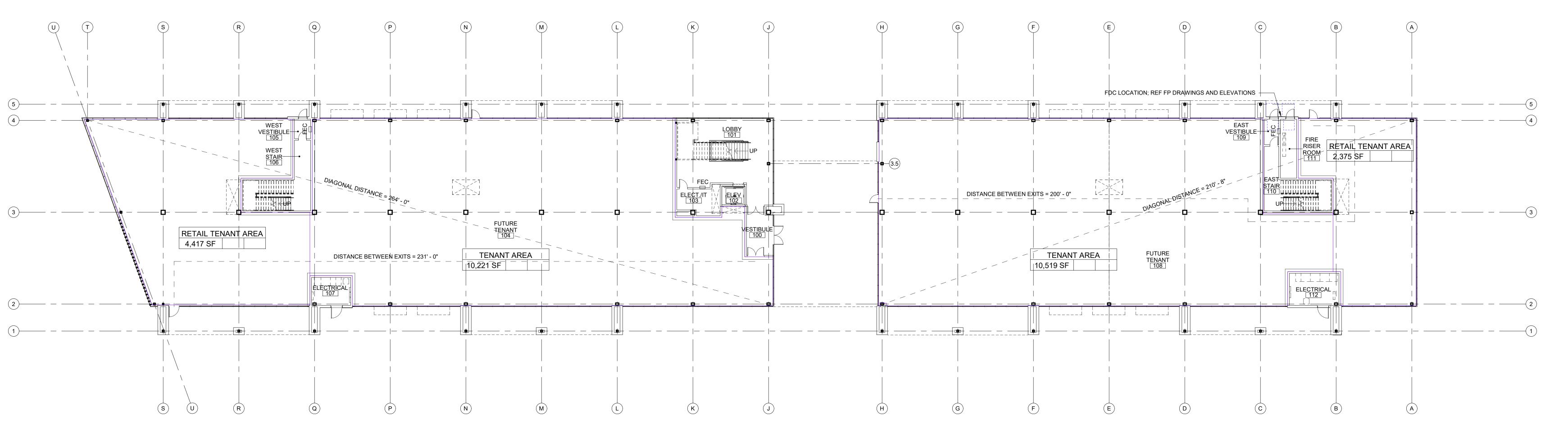
ARCHITECTURE

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SHEET TITLE

CODE SITE PLAN







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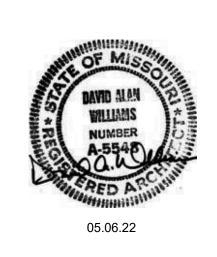
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FOUNDATIONS BSE STRUCTURAL ENGINEERS

PROJECT TEAM

MECHANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON

BSE STRUCTRAL ENGINEERS

HENDERSON

ENGINEERS

STRUCTURAL

PLUMBING

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

FINKLE + WILLIAMS
ARCHITECTURE

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8787 RENNER BLVD., SUITE 100

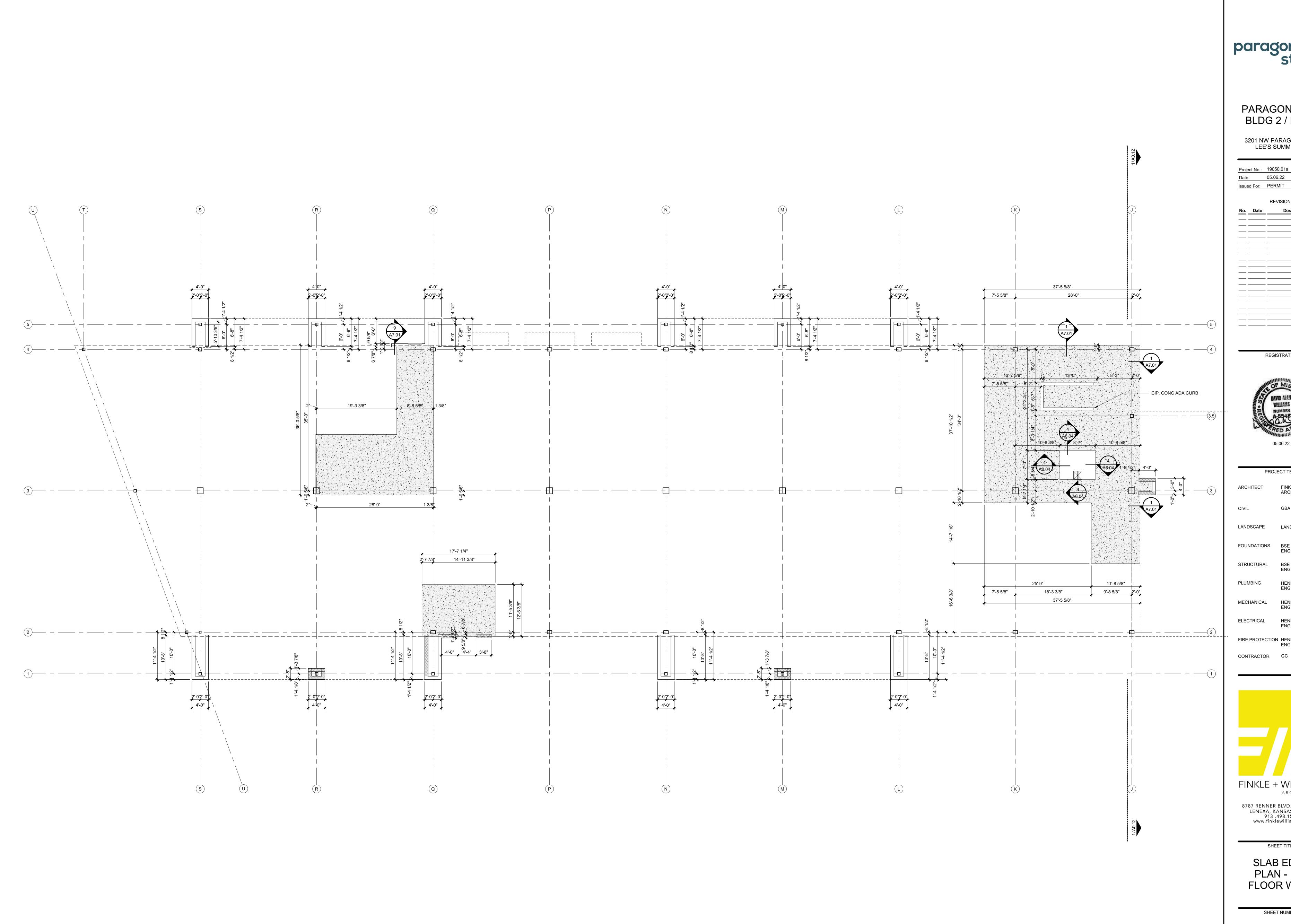
SHEET TITLE

CODE PLANS

SHEET NUMBER

A0.05

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



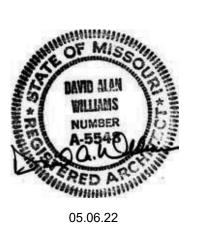
EDGE OF SLAB PLAN - 1ST FLOOR WEST

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



PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO



FINKLE+WILLIAMS

FIRE PROTECTION HENDERSON ENGINEERS

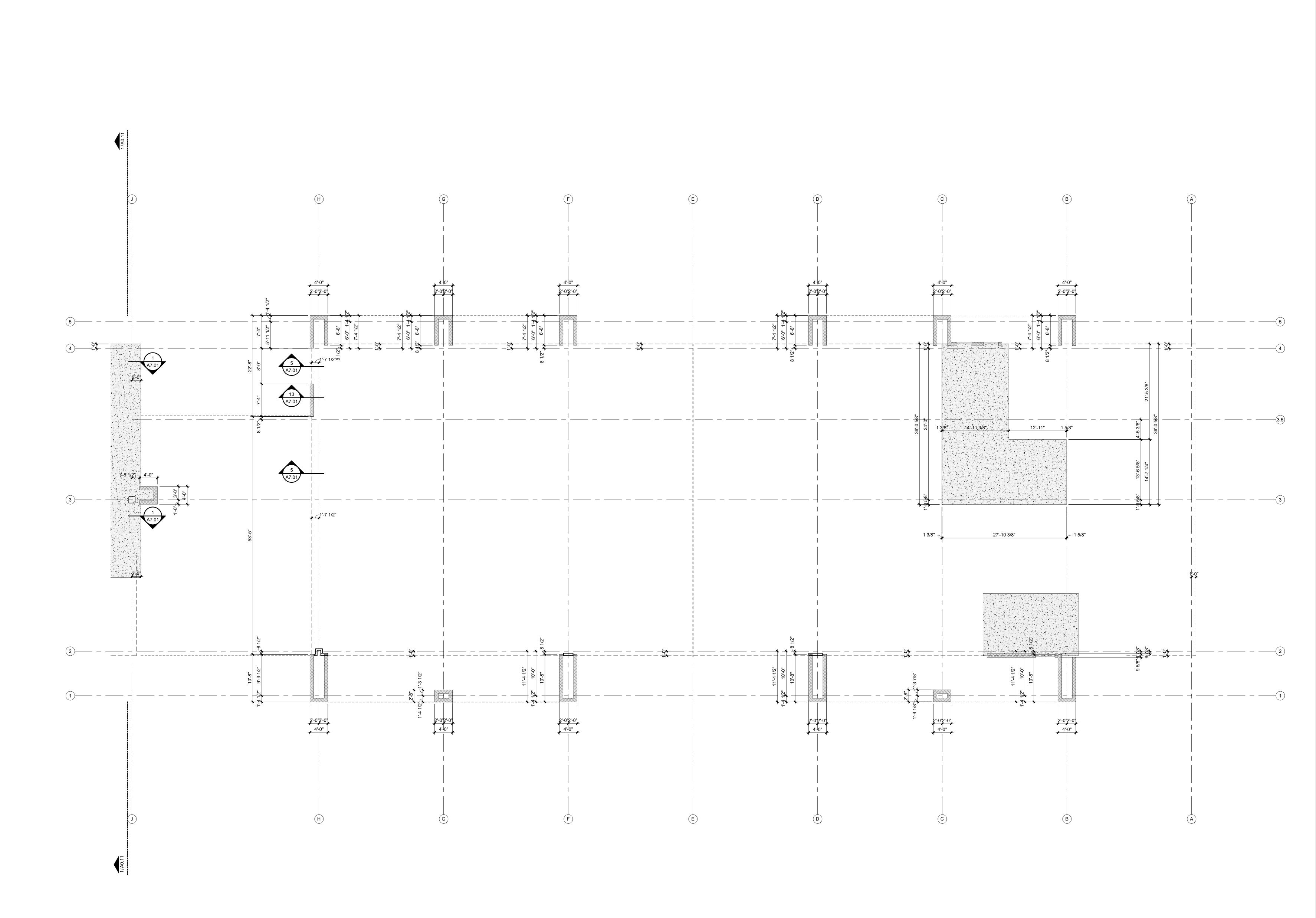
HENDERSON

ARCHITECTURE

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SHEET TITLE

SLAB EDGE PLAN - 1ST FLOOR WEST

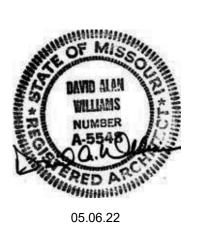




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ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL ENGINEERS

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

ELECTRICAL HENDERSON

ENGINEERS

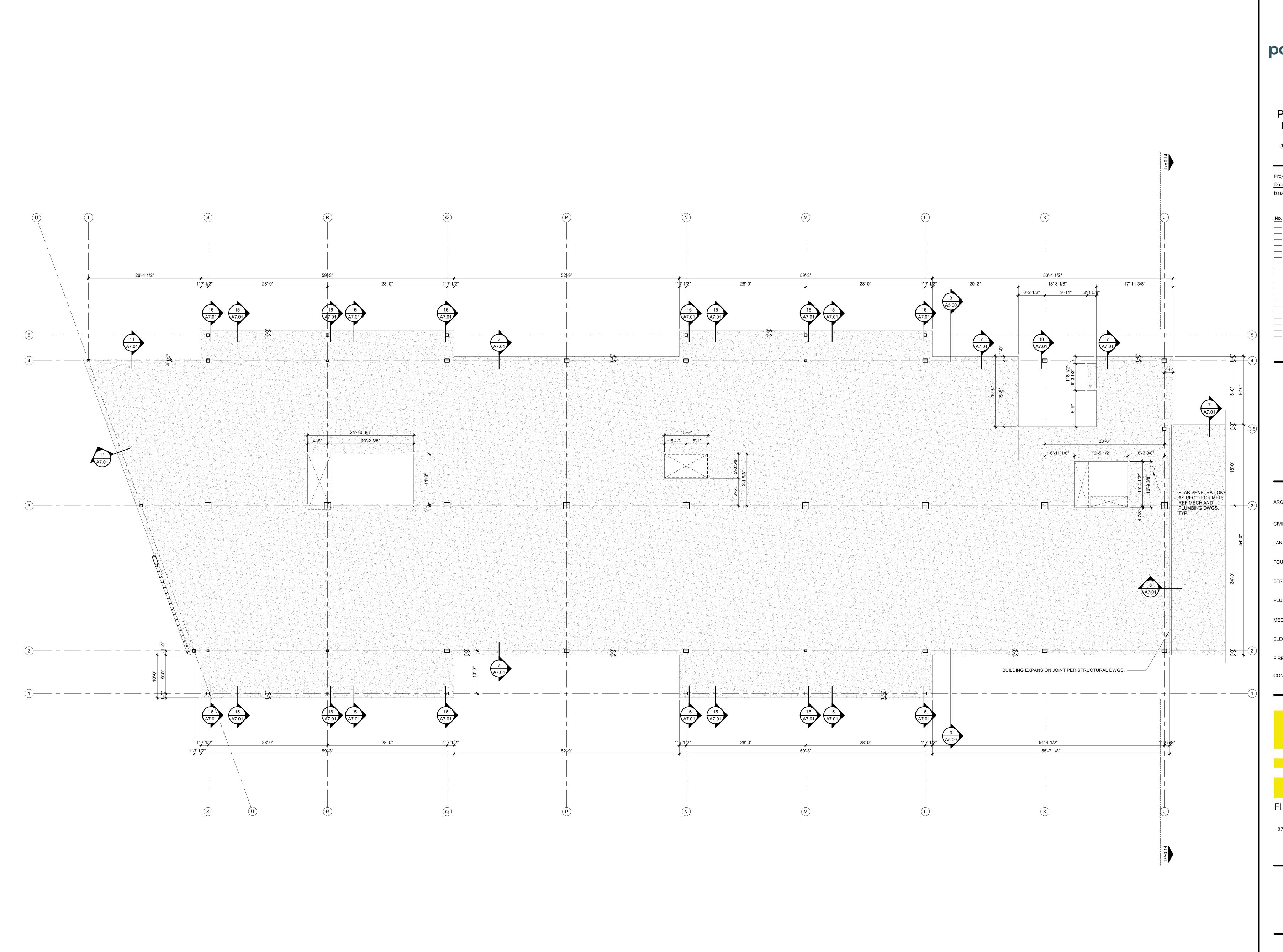
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ARCHITECTURE

SHEET TITLE

SLAB EDGE PLAN - 1ST FLOOR EAST



EDGE OF SLAB PLAN - 2ND FLOOR WEST

A0.13 SCALE: 1/8" = 1'-0"



PARAGON STAR BLDG 2 / LOT 9

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DAVID ALAM
WILLIAMS
NUMBER
A-5540

PROJECT TEAM

CHITECT FINKLE+WILLIAMS
ARCHITECTURE

VIL GBA

NDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL ENGINEERS

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC



ARCHITECTURE

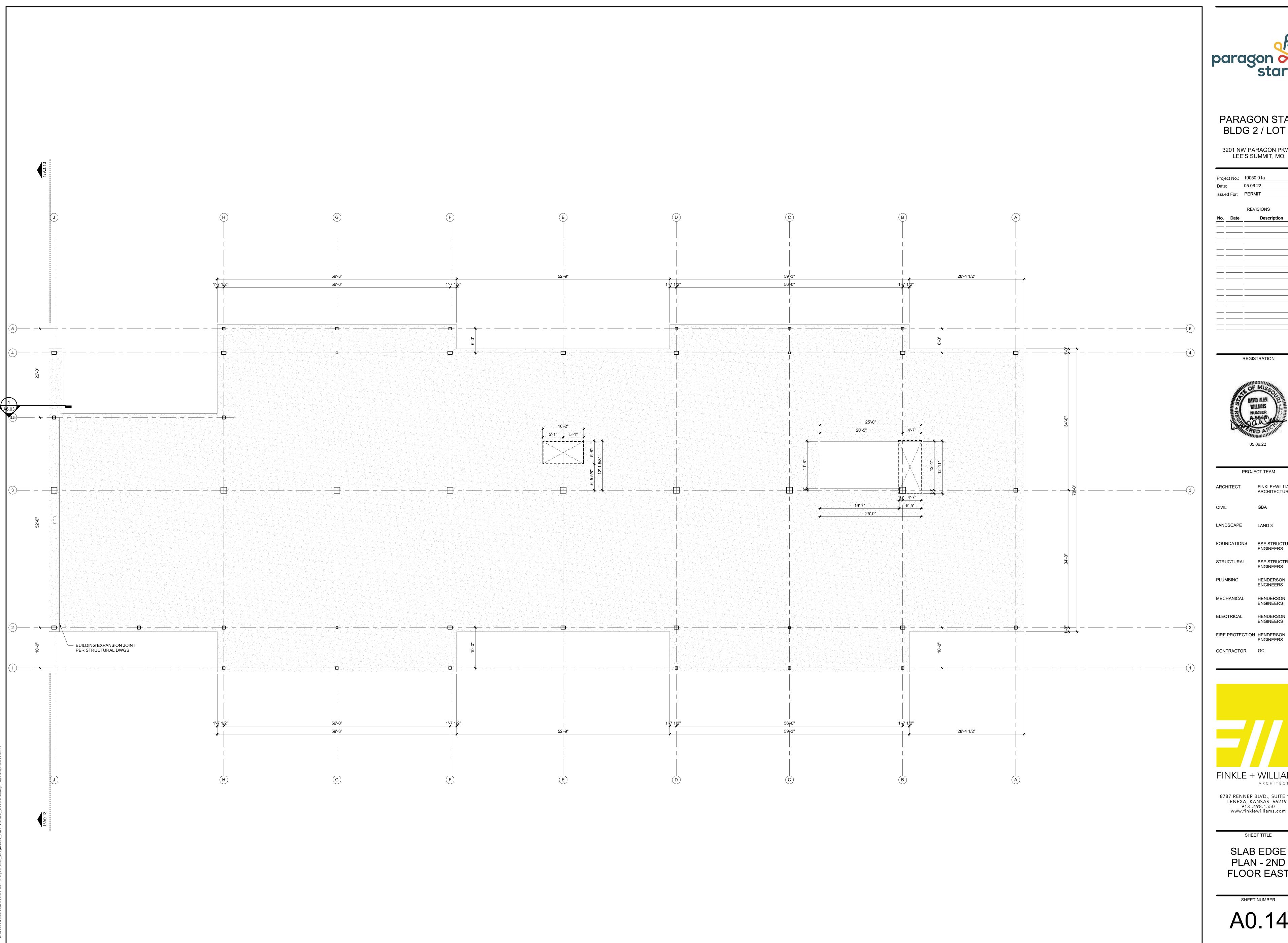
37 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219

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

SHEET TITLE

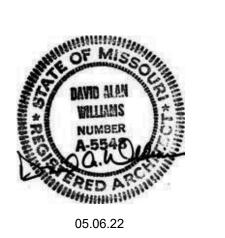
SLAB EDGE PLAN - 2ND FLOOR WEST

A0.13





3201 NW PARAGON PKWY LEE'S SUMMIT, MO



PROJECT TEAM

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

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

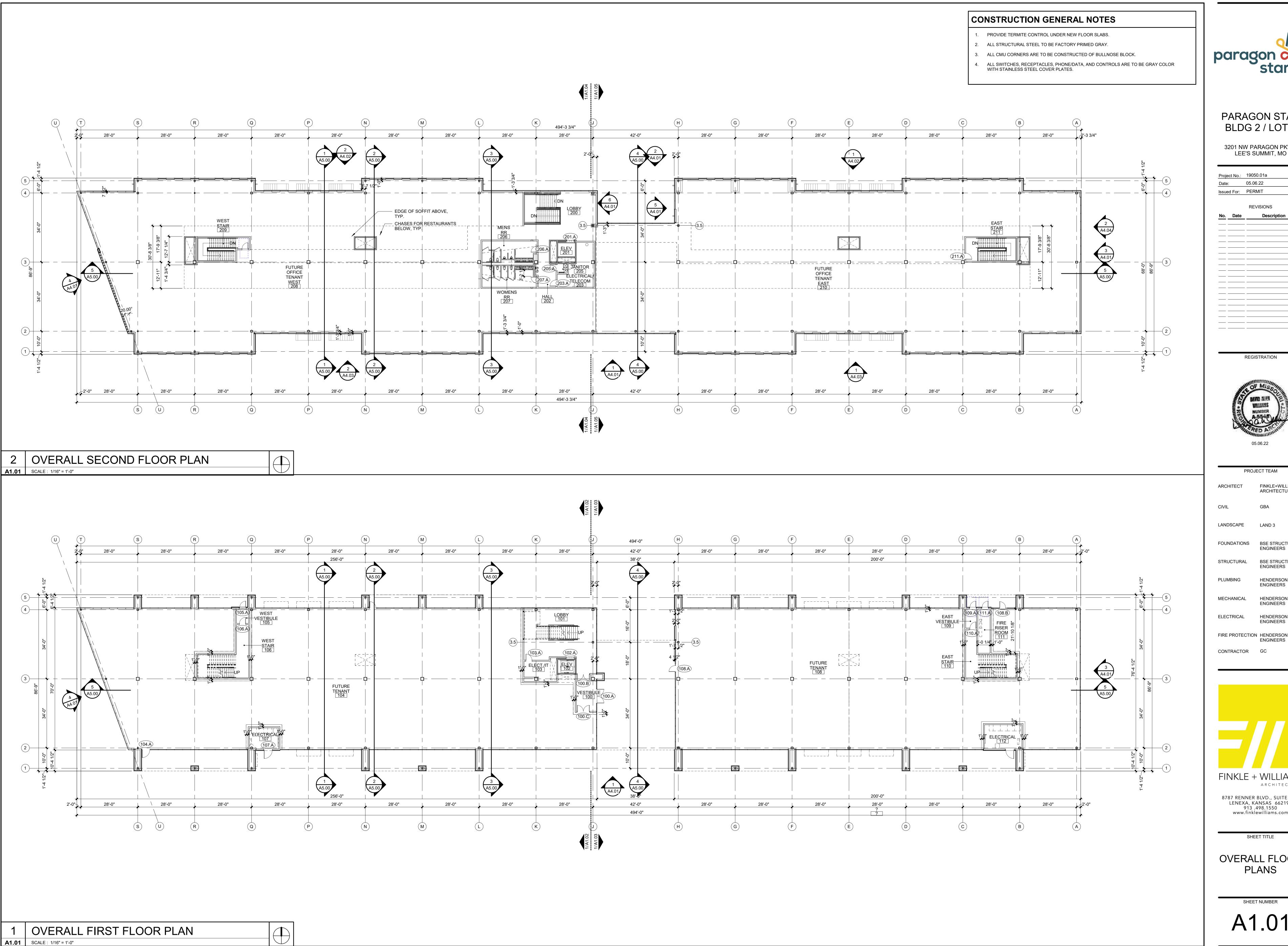
ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON ENGINEERS



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SHEET TITLE

SLAB EDGE PLAN - 2ND FLOOR EAST





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FINKLE+WILLIAMS LANDSCAPE FOUNDATIONS BSE STRUCTURAL

PROJECT TEAM

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

ENGINEERS

HENDERSON HENDERSON **ENGINEERS**

CONTRACTOR GC

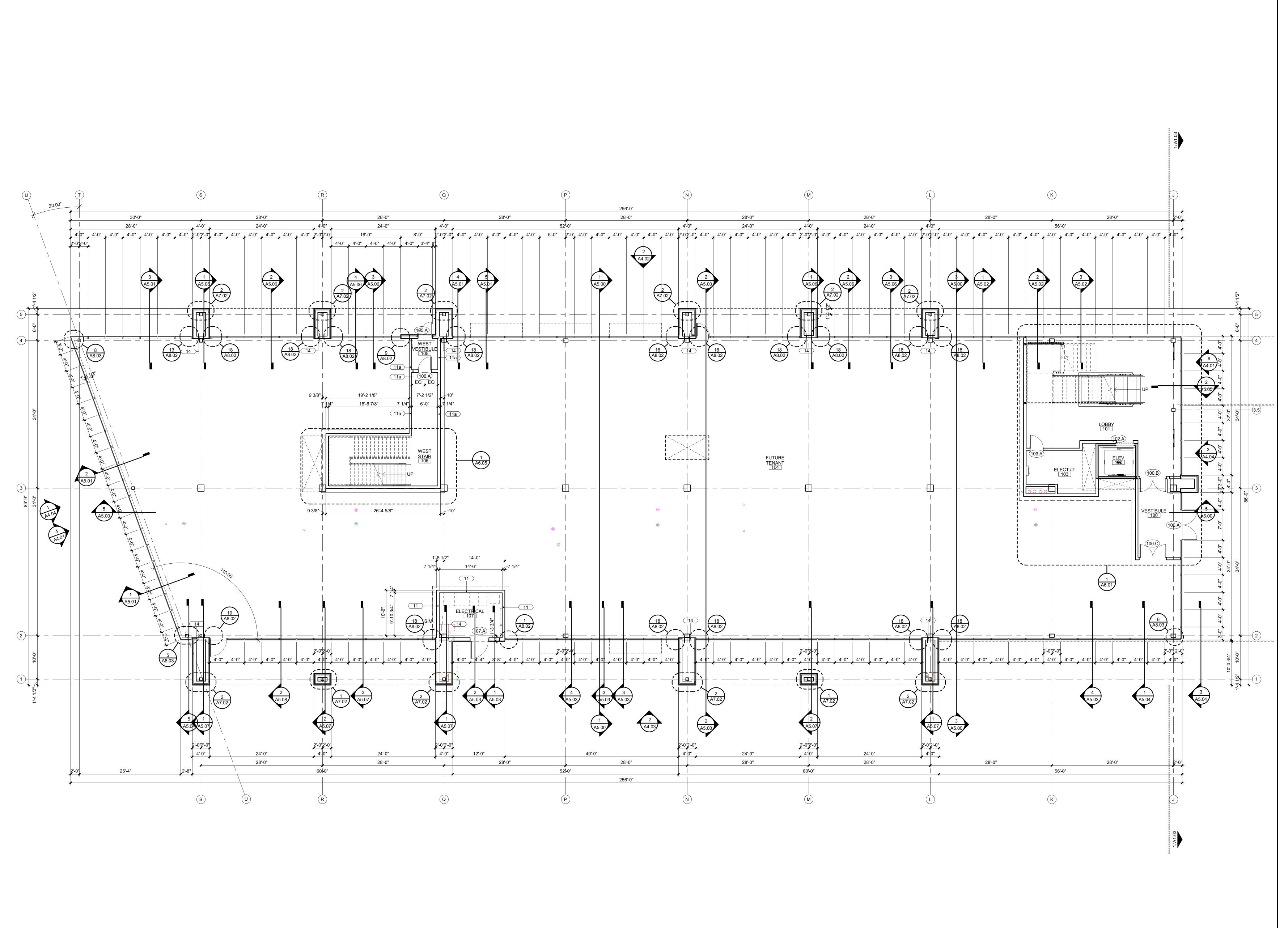


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SHEET TITLE

OVERALL FLOOR **PLANS**

A1.01



1ST FLOOR PLAN - WEST

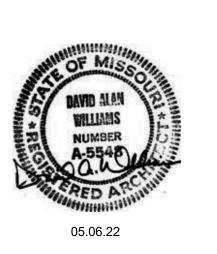
A1.02 SCALE: 1/8" = 1'-0"



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** BSE STRUCTRAL STRUCTURAL **ENGINEERS** HENDERSON **ENGINEERS** HENDERSON **ENGINEERS** HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON

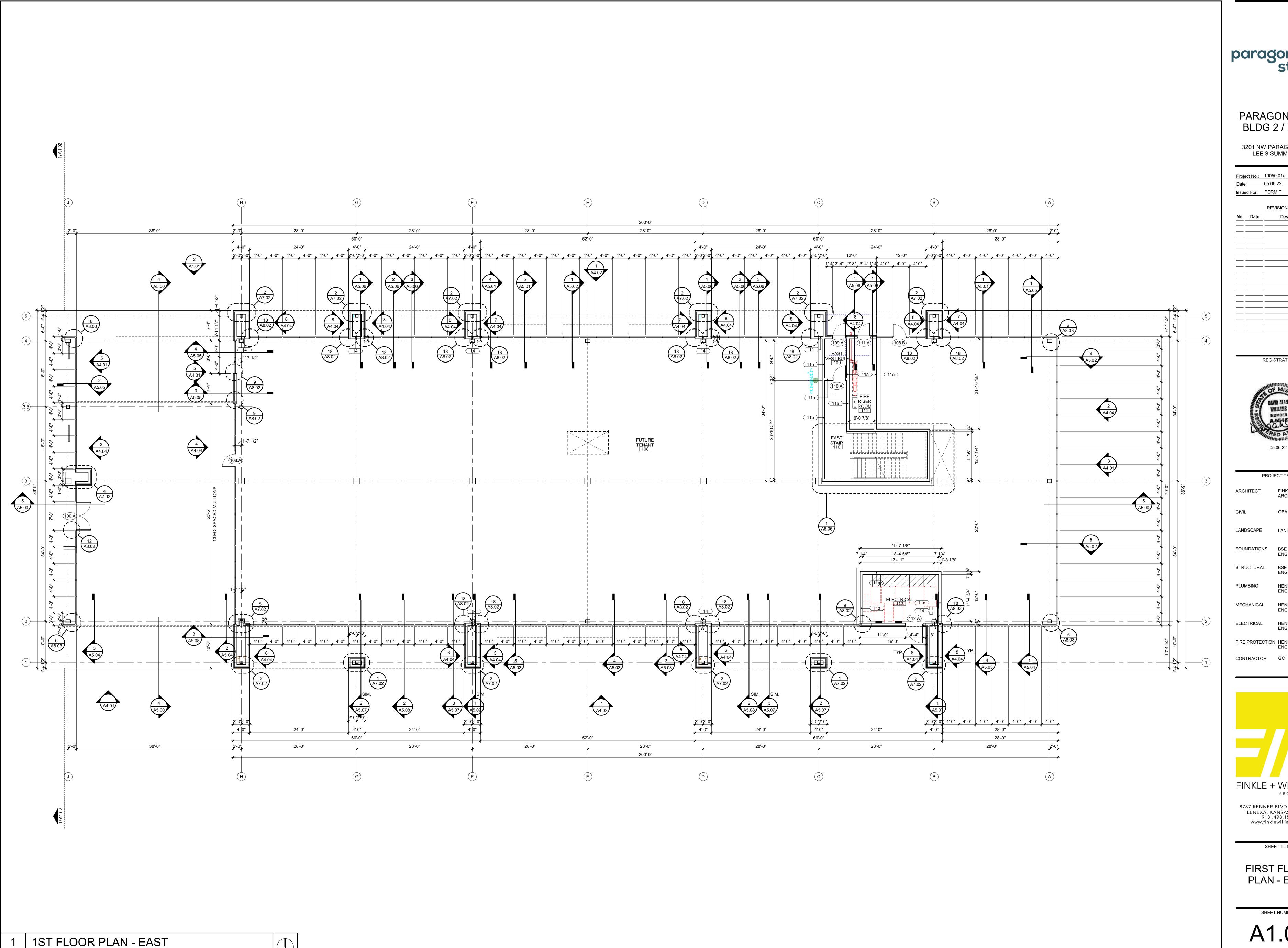
CONTRACTOR GC



SHEET TITLE

FIRST FLOOR PLAN -WEST

SHEET NUMBER A1.02



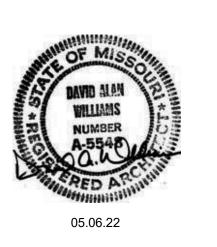
A1.03 SCALE: 1/8" = 1'-0"



PARAGON STAR BLDG 2 / LOT 9

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		05.06.22
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<u>NO.</u>	Date	Description
	Date	Description



PROJECT TEAM FINKLE+WILLIAMS FOUNDATIONS BSE STRUCTURAL **ENGINEERS** BSE STRUCTRAL **ENGINEERS** HENDERSON **ENGINEERS** HENDERSON HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON ENGINEERS

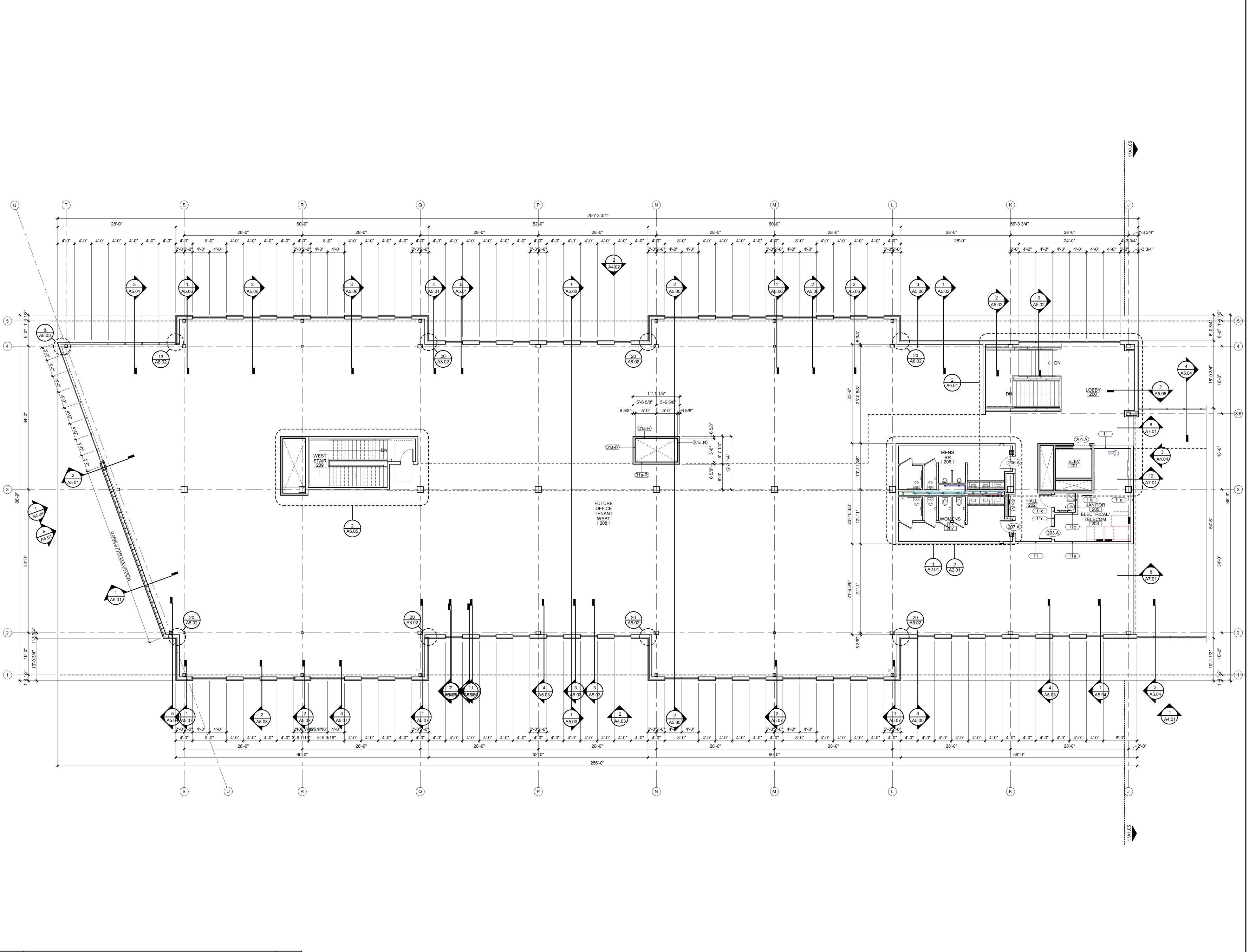


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SHEET TITLE

FIRST FLOOR PLAN - EAST

SHEET NUMBER A1.03





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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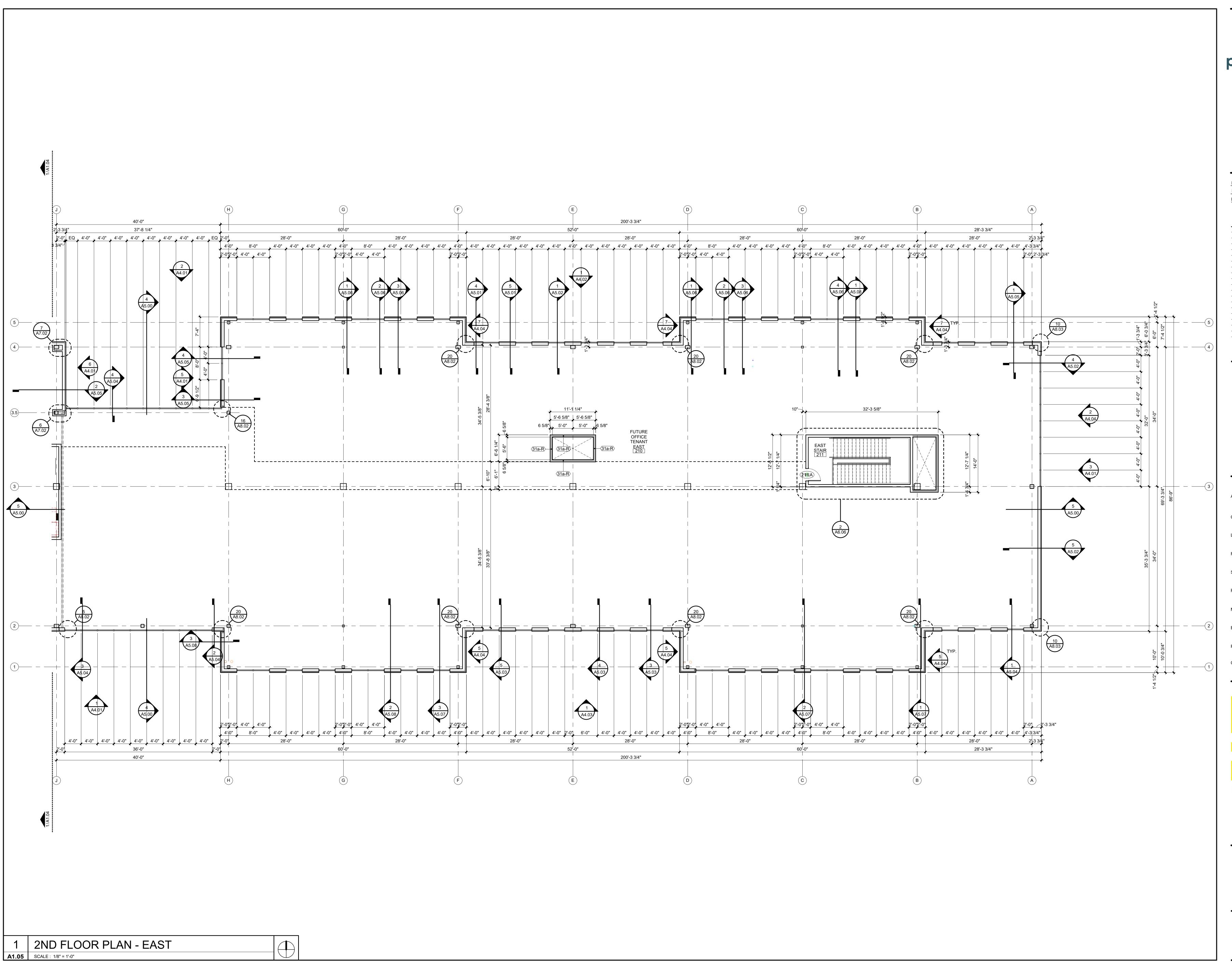
SHEET TITLE

SECOND FLOOR PLAN - WEST

SHEET NUMBER A1.04

2ND FLOOR PLAN - WEST

A1.04 SCALE: 1/8" = 1'-0"





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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 19050.01a

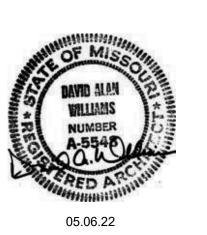
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REGISTRATION



PROJECT TEAM

CHITECT FINKLE+WILLIAMS
ARCHITECTURE

ANDSCAPE LAND 3

OUNDATIONS BSE STRUCTURAL

ENGINEERS

IMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON ENGINEERS
ELECTRICAL HENDERSON

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC



ARCHITECTURE

8787 RENNER BLVD., SUITE 100

LENEXA, KANSAS 66219

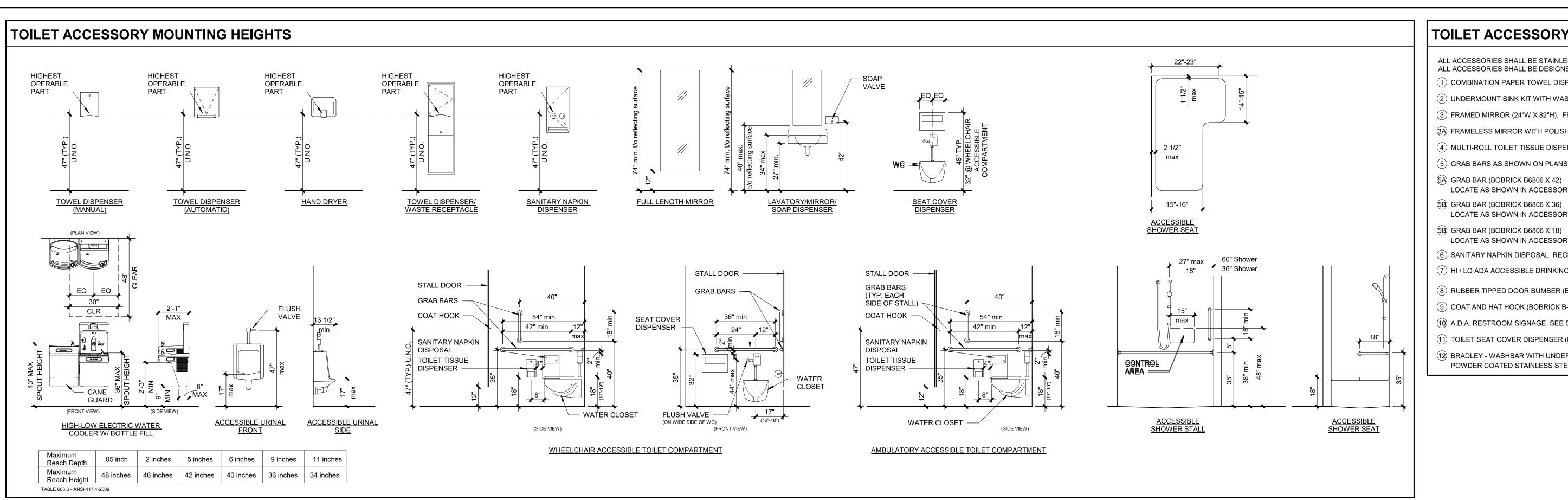
913 .498.1550

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SHEET TITLE

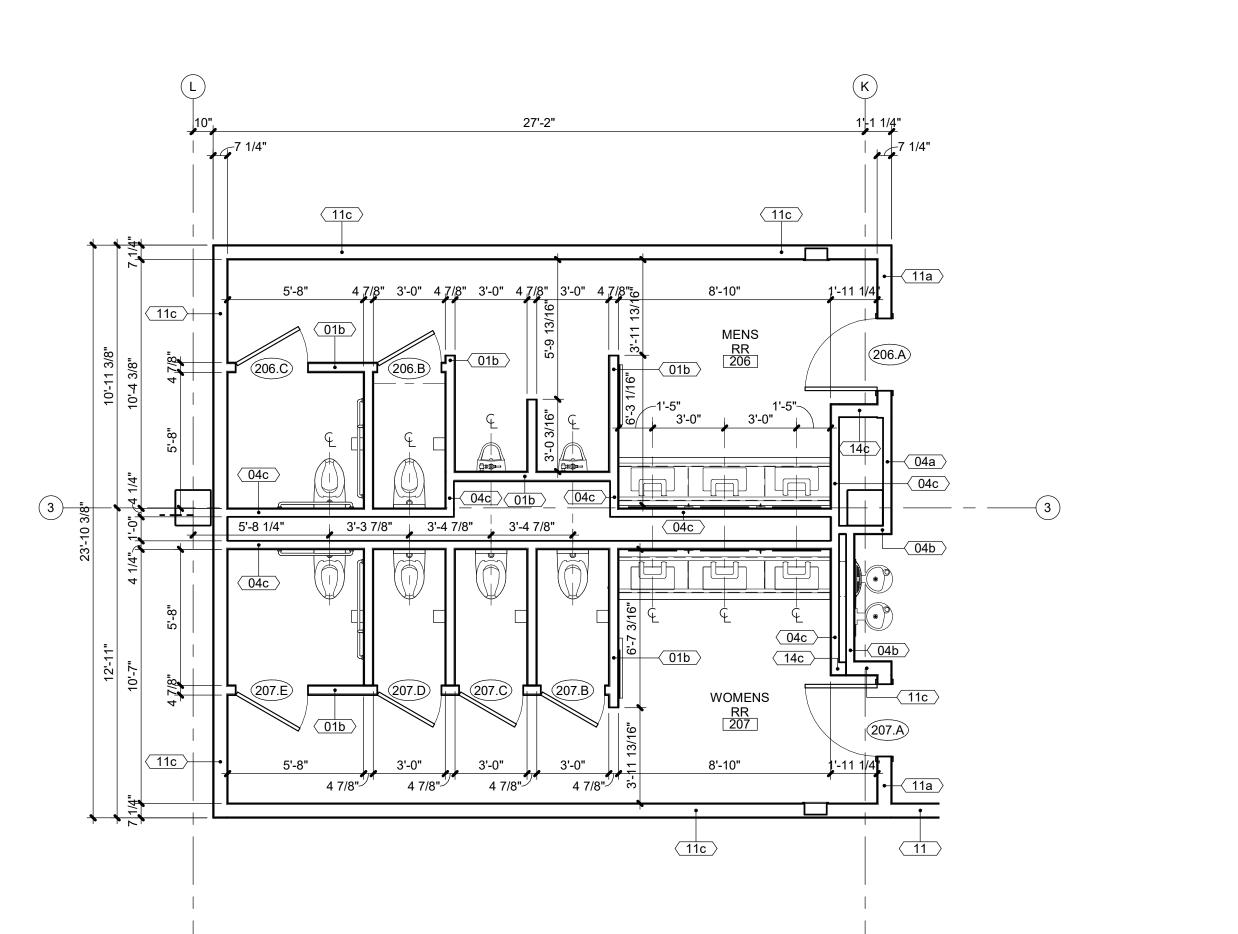
SECOND FLOOR PLAN - EAST

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
- 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



ENLARGED RESTROOM PLANS

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





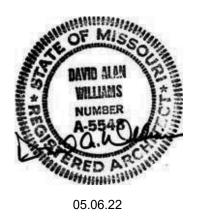
PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL

HENDERSON

ENGINEERS BSE STRUCTRAL **ENGINEERS**

ENGINEERS MECHANICAL HENDERSON

PLUMBING

ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON

CONTRACTOR GC

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

SHEET TITLE

ENLARGED TOILET PLANS AND DETAILS

A2.01

SHEET NUMBER

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

3 / A2.10 4 / A2.10



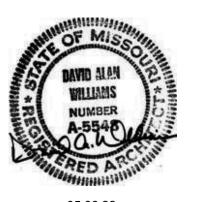


3201 NW PARAGON PKWY

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PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE GBA

LAND 3

BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL

ENGINEERS HENDERSON **ENGINEERS**

MECHANICAL HENDERSON

HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON

CONTRACTOR GC

FINKLE + WILLIAMS

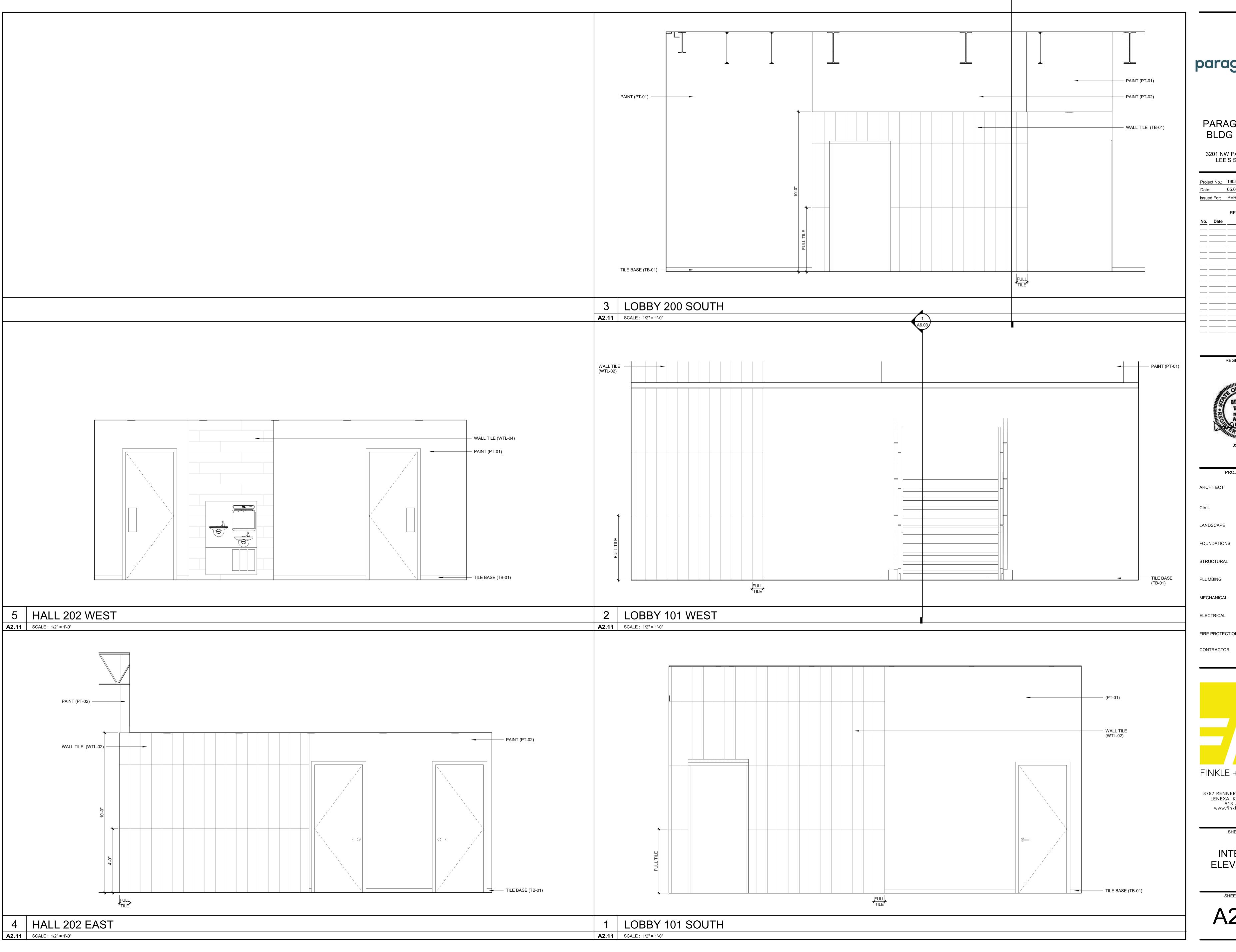
ARCHITECTURE

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SHEET TITLE

INTERIOR **ELEVATIONS**

A2.10





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE ARCHITECT

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

ENGINEERS

HENDERSON

BSE STRUCTRAL STRUCTURAL **ENGINEERS** PLUMBING HENDERSON

MECHANICAL HENDERSON

ENGINEERS FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

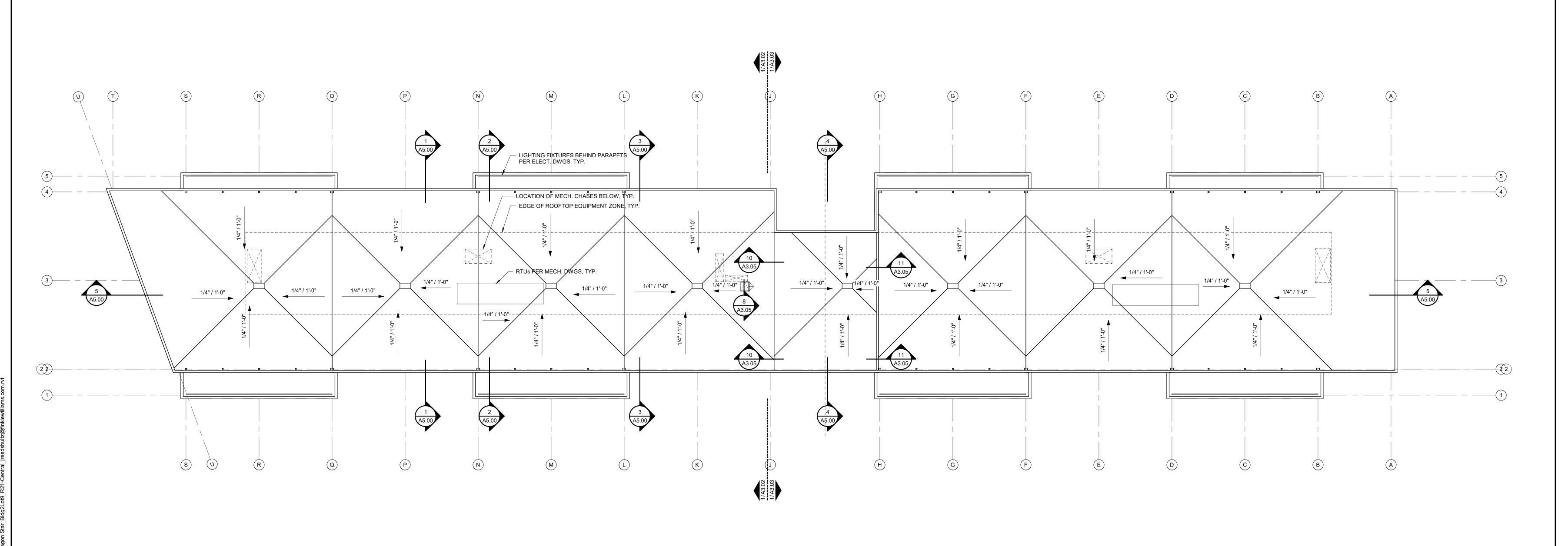


FINKLE + WILLIAMS ARCHITECTURE

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SHEET TITLE

INTERIOR **ELEVATIONS**



3 OVERALL ROOF PLAN

A3.01 SCALE: 1/16" = 1'-0"

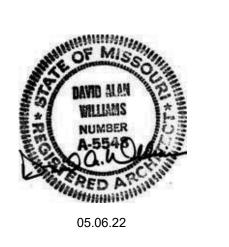


PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

BSE STRUCTRAL ENGINEERS

HENDERSON

ENGINEERS

PROJECT TEAM

MECHANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON

STRUCTURAL

PLUMBING

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC



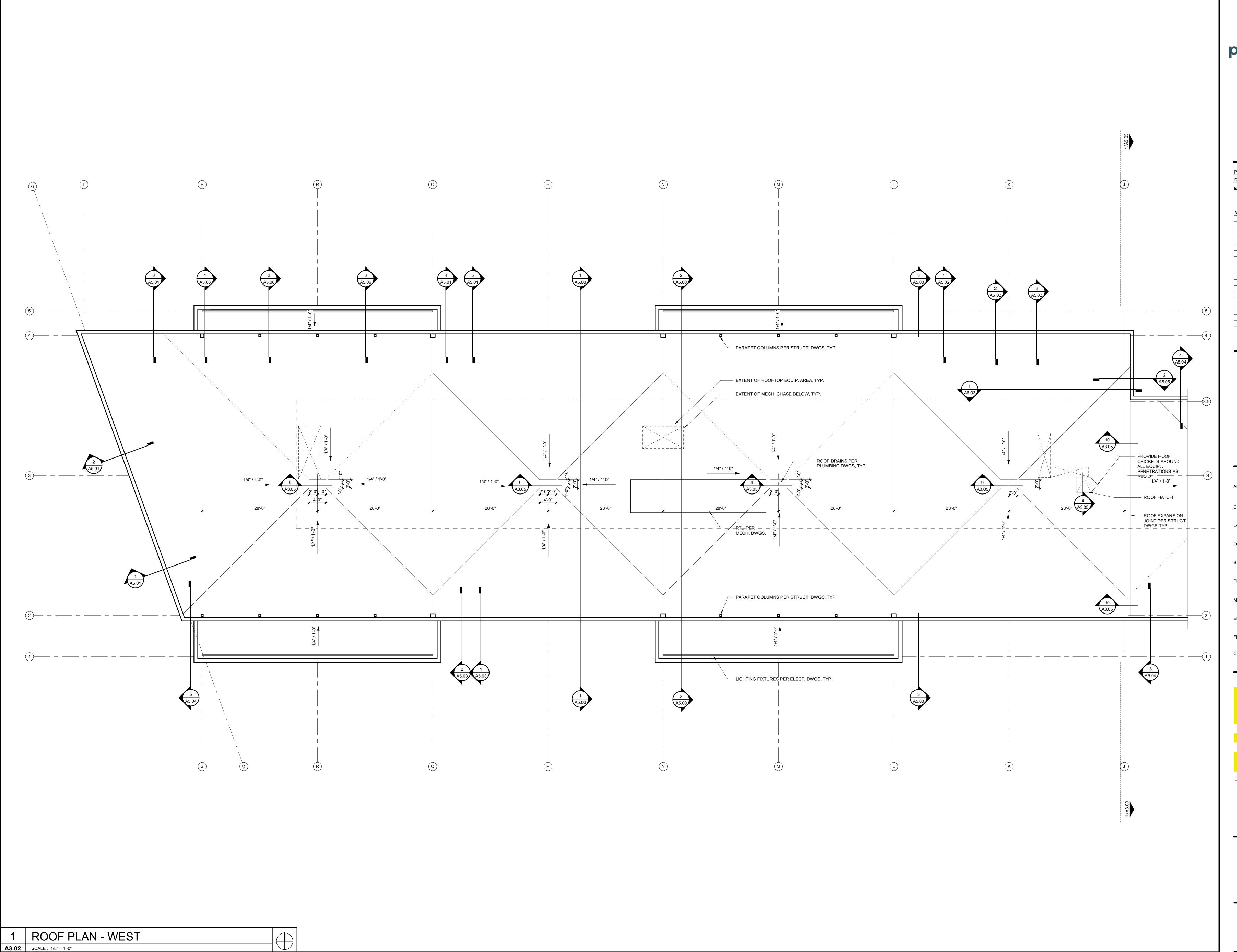
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LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

OVERALL ROOF PLAN

A3.01

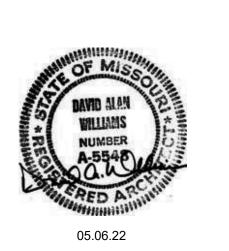




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REGISTRATION



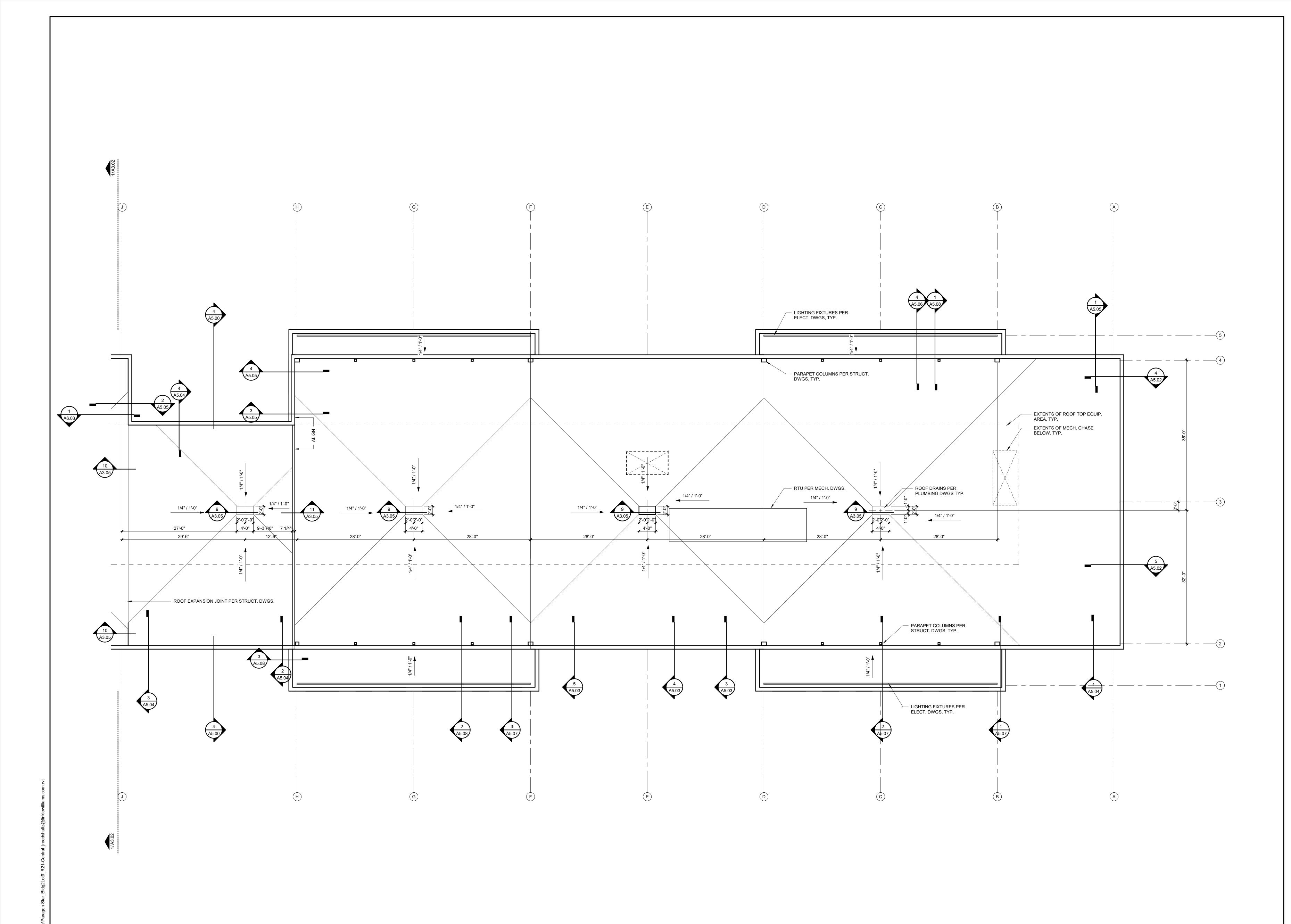
PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL ENGINEERS BSE STRUCTRAL ENGINEERS STRUCTURAL PLUMBING HENDERSON **ENGINEERS** HENDERSON MECHANICAL ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON ENGINEERS CONTRACTOR GC



SHEET TITLE

ROOF PLAN -WEST

A3.02



ROOF PLAN - EAST

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

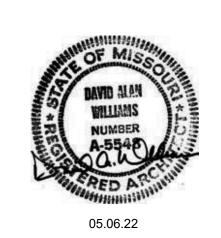


PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: Date: Issued For:		19050.01a		
		05.06.22		
		PERMIT		
		REVISIONS		
No.	Date	Description		
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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
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS



CONTRACTOR GC

ARCHITECTURE

8787 RENNER BLVD., SUITE 100

LENEXA, KANSAS 66219

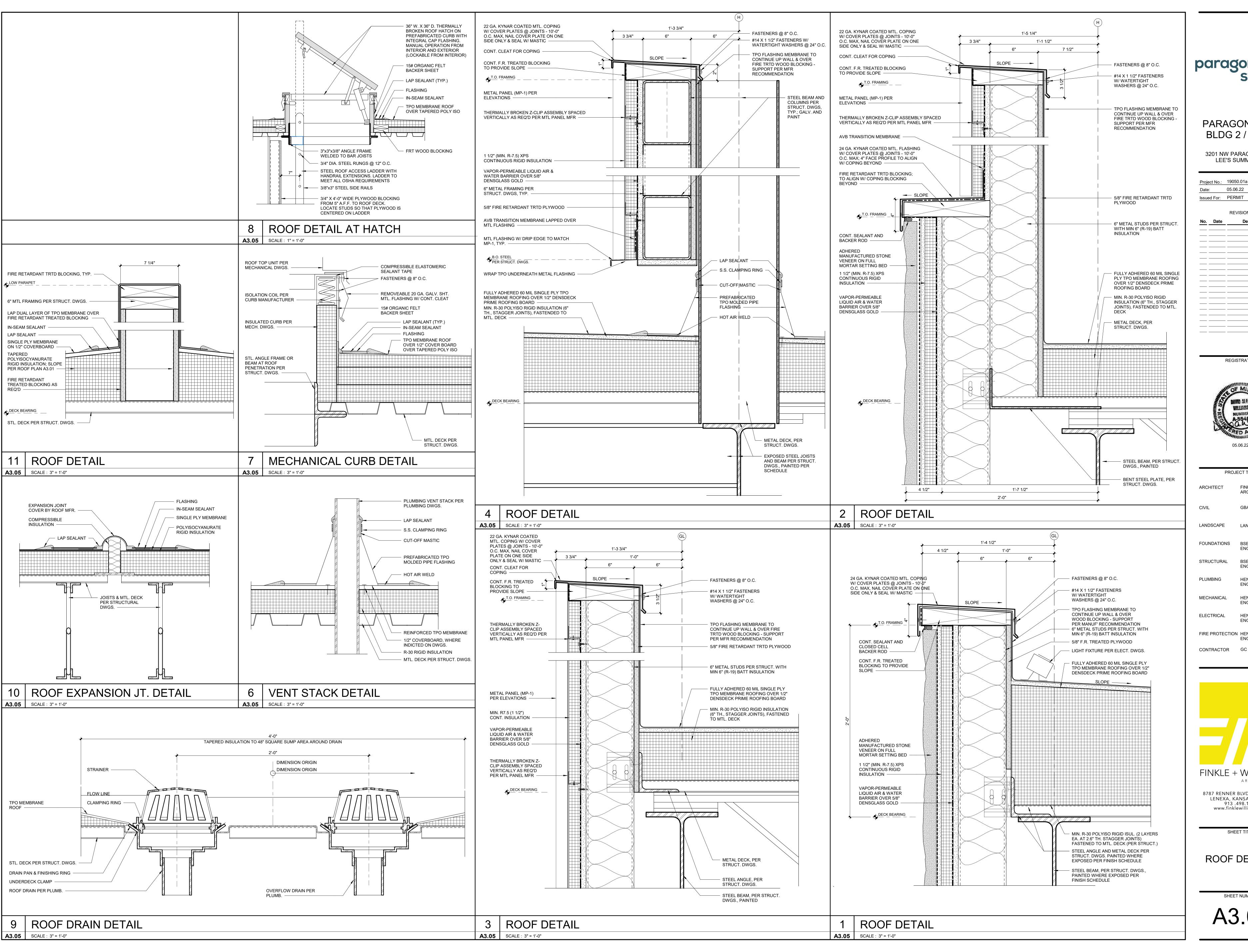
913 .498.1550

www.finklewilliams.com

SHEET TITLE

ROOF PLAN -EAST

A3.03

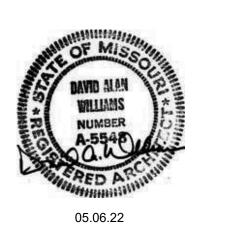




3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRA **ENGINEERS**

HENDERSON

ENGINEERS

HENDERSON

ENGINEERS

MECHANICAL HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON

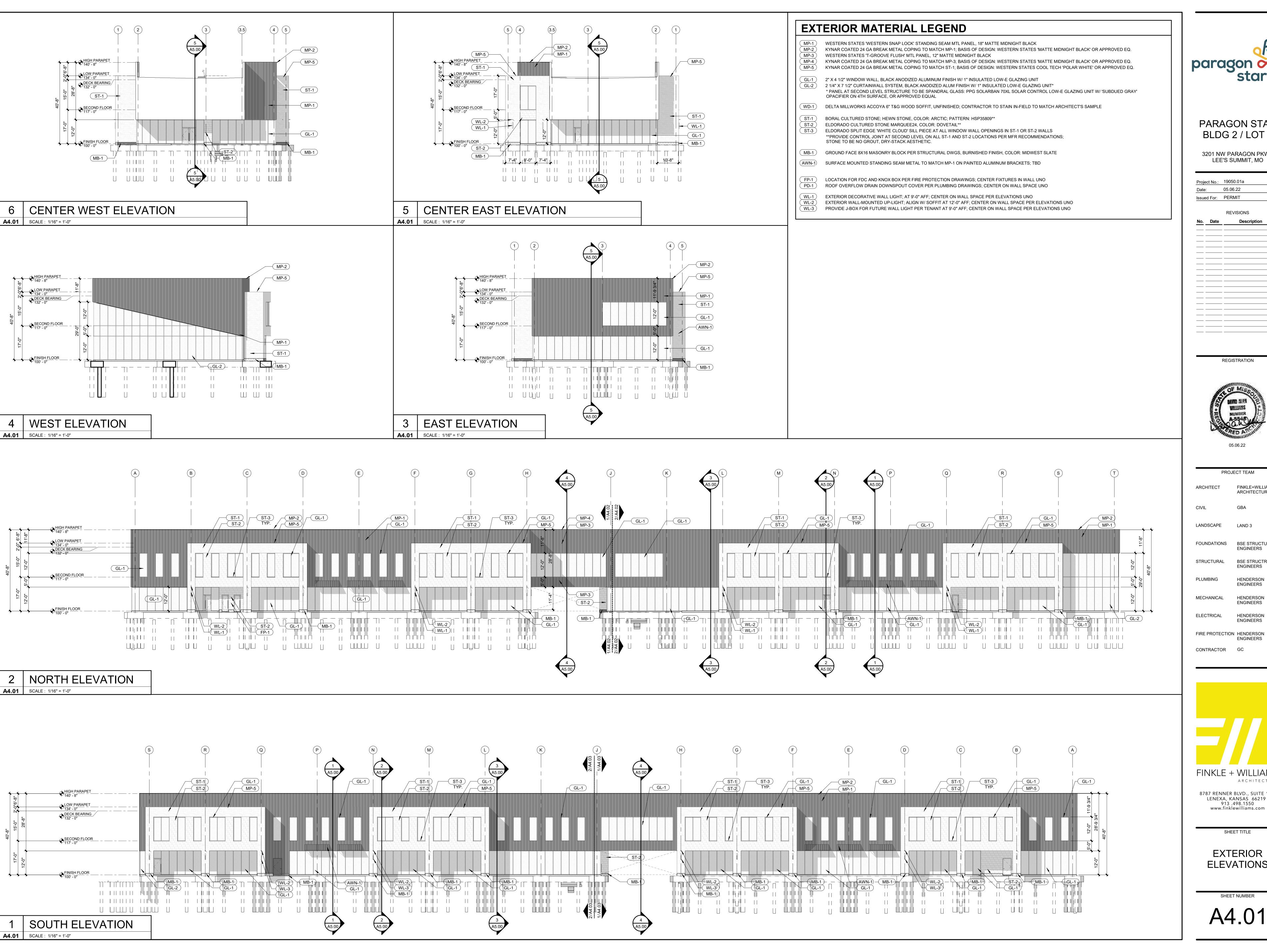
FINKLE + WILLIAMS ARCHITECTURE 8787 RENNER BLVD., SUITE 100

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

SHEET TITLE

ROOF DETAILS

SHEET NUMBER A3.05

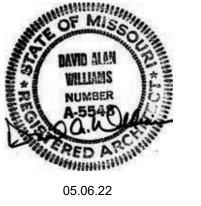




3201 NW PARAGON PKWY

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

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FINKLE+WILLIAMS FOUNDATIONS BSE STRUCTURAL

PROJECT TEAM

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

HENDERSON ELECTRICAL HENDERSON

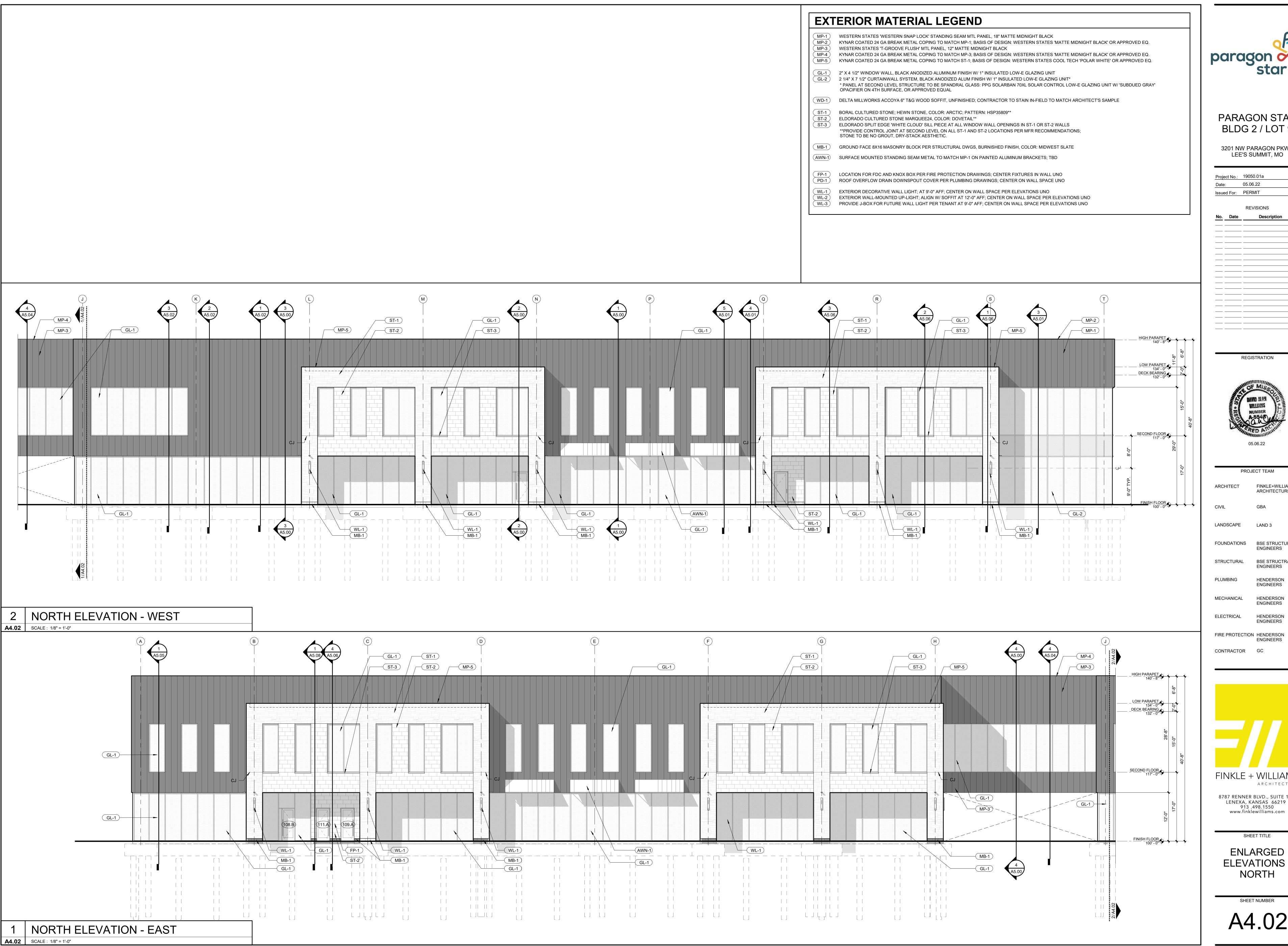
CONTRACTOR GC

FINKLE + WILLIAMS ARCHITECTURE

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

SHEET TITLE

EXTERIOR ELEVATIONS





3201 NW PARAGON PKWY

Project No.: 19050.01a 05.06.22 Issued For: PERMIT

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PROJECT TEAM FINKLE+WILLIAMS

ENGINEERS

FOUNDATIONS BSE STRUCTURAL

BSE STRUCTRAL **ENGINEERS** HENDERSON

HENDERSON

HENDERSON **ENGINEERS**

CONTRACTOR GC

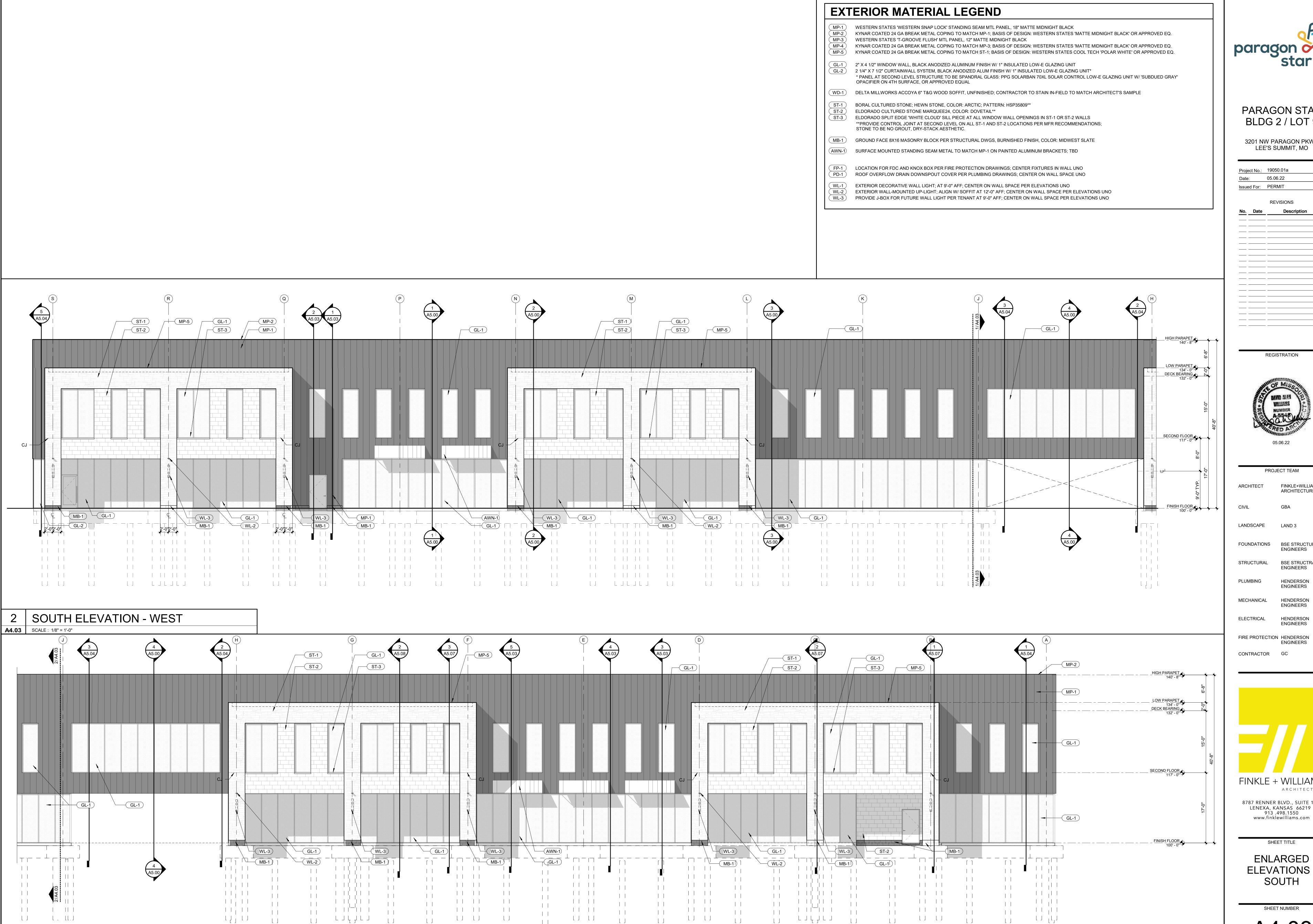
FINKLE + WILLIAMS ARCHITECTURE

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

SHEET TITLE

ENLARGED **ELEVATIONS -**NORTH

SHEET NUMBER A4.02



SOUTH ELEVATION - EAST

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

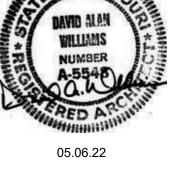


PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY

Project No.: 19050.01a 05.06.22 Issued For: PERMIT

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PROJECT TEAM FINKLE+WILLIAMS

HENDERSON

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

> BSE STRUCTRAL **ENGINEERS**

ENGINEERS HENDERSON

HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON

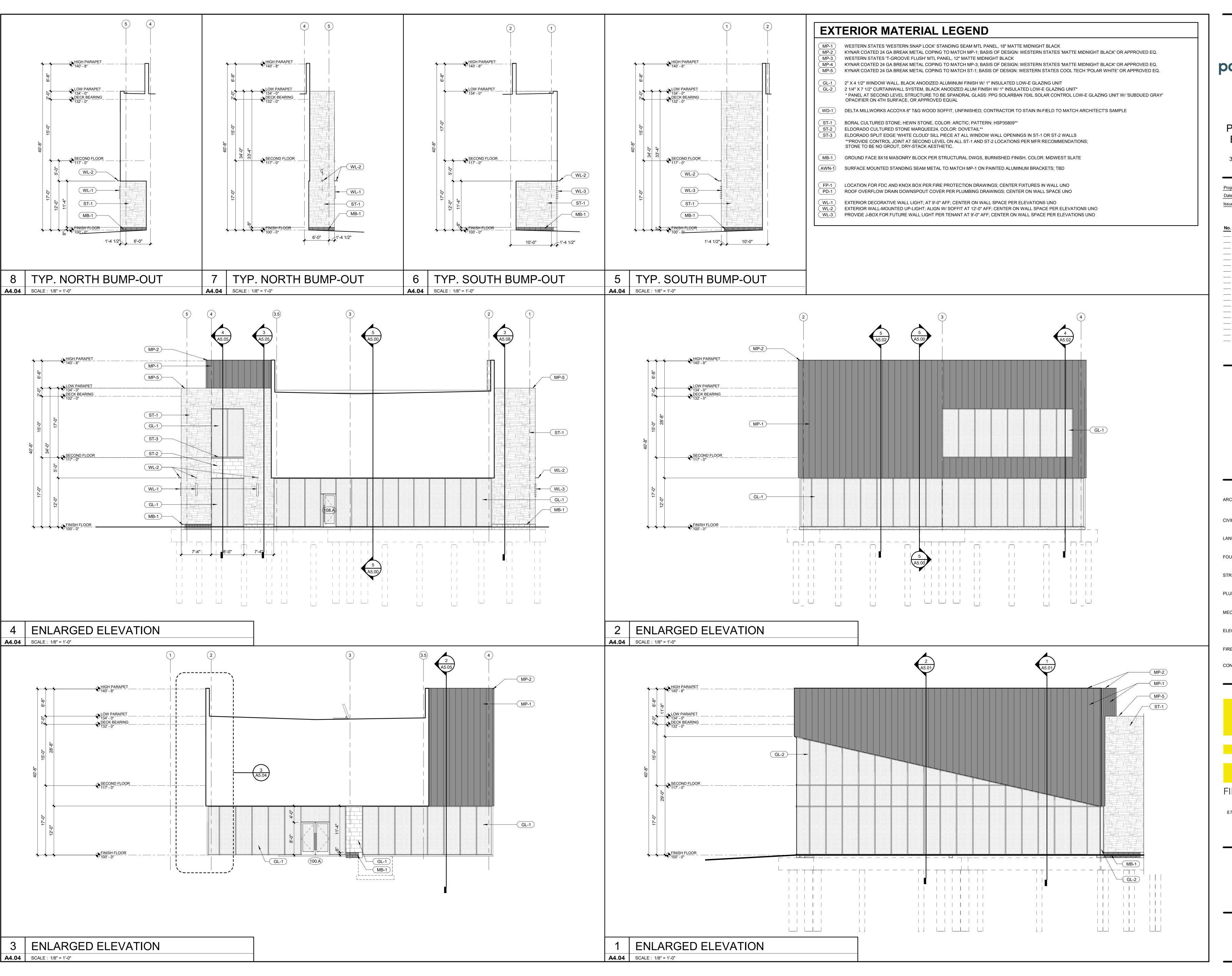
FINKLE + WILLIAMS ARCHITECTURE

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

SHEET TITLE

ENLARGED **ELEVATIONS -**SOUTH

SHEET NUMBER A4.03





3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

Project No.: 19050.01a

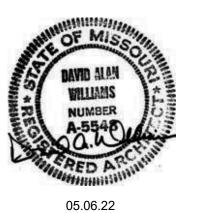
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PROJECT TEAM

CHITECT FINKLE+WILLIAMS
ARCHITECTURE

PE LAND 3

FOUNDATIONS BSE STRUCTURAL

RUCTURAL BSE STRUCTRAL ENGINEERS

MBING HENDERSON ENGINEERS

HANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC



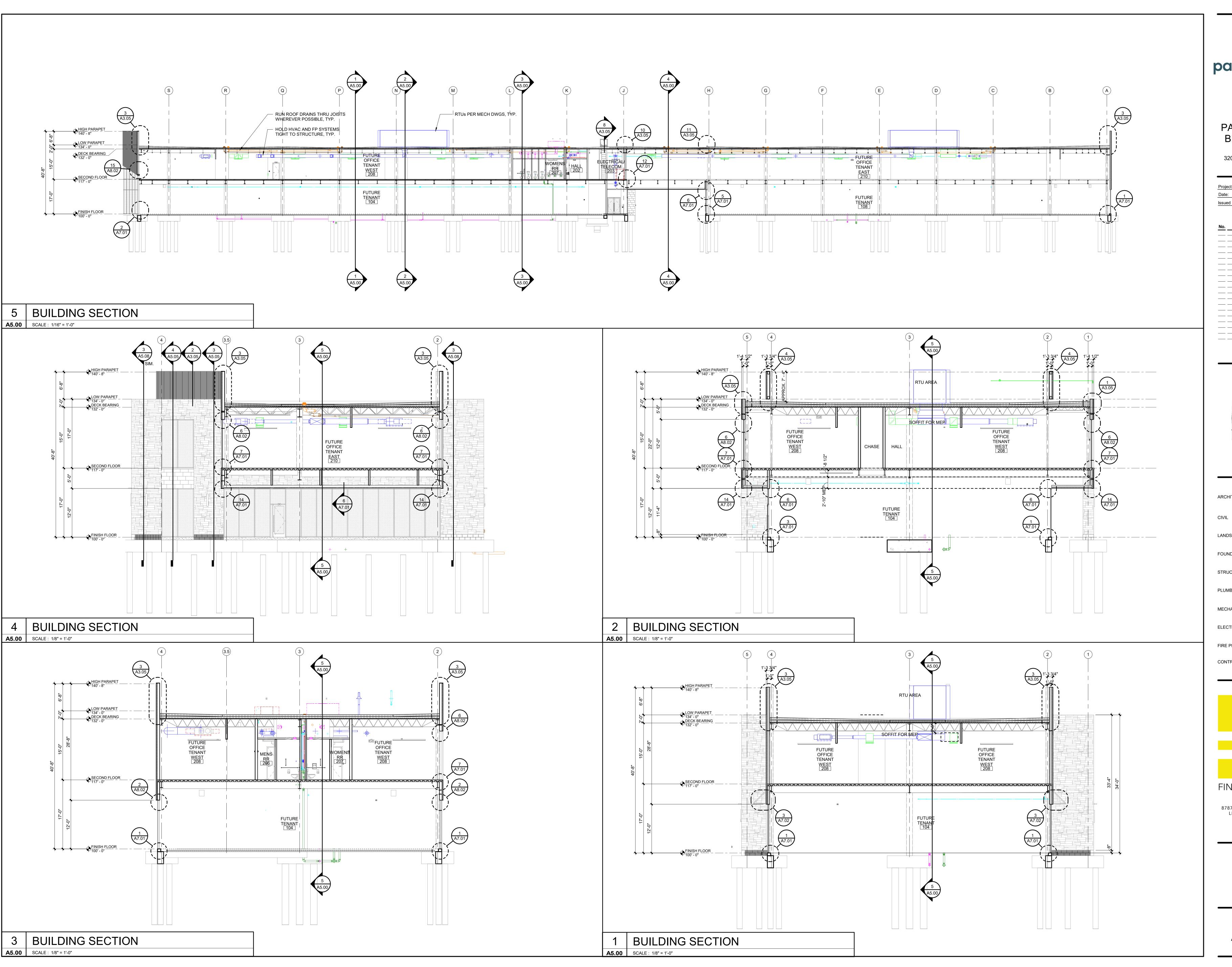
FINKLE + WILLIAMS

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

SHEET TITLE

ENLARGED ELEVATIONS

A4.04





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

05.06.22

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS

LANDSCAPE

FOUNDATIONS BSE STRUCTURAL

HENDERSON **ENGINEERS** HENDERSON

HENDERSON

FIRE PROTECTION HENDERSON ENGINEERS

ENGINEERS

CONTRACTOR GC

FINKLE + WILLIAMS ARCHITECTURE

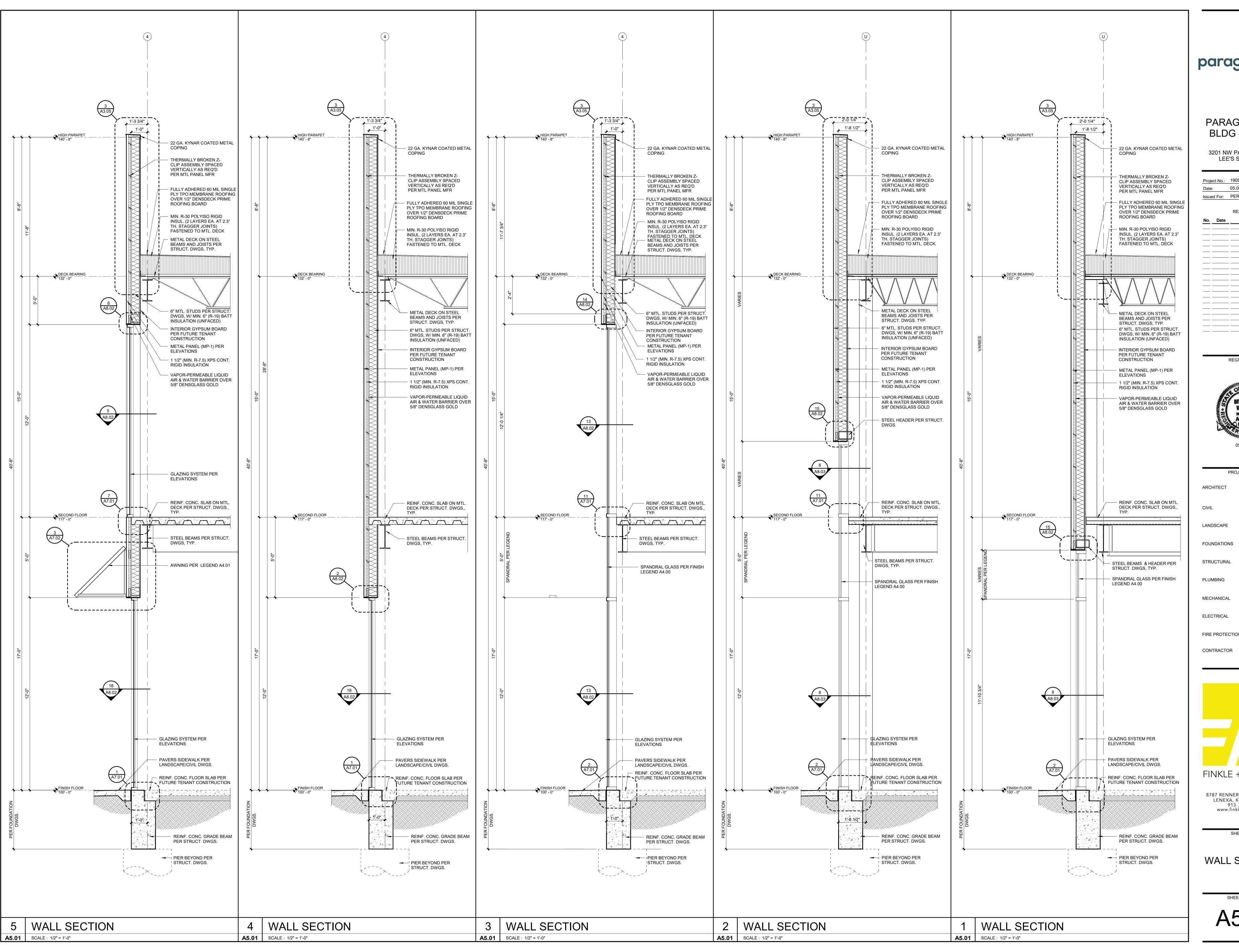
8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

BUILDING SECTIONS

SHEET NUMBER

A5.00





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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PROJECT TEAM FINKLE+WILLIAMS

ARCHITECTURE

LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

> BSE STRUCTRAL **ENGINEERS** HENDERSON

ENGINEERS HENDERSON

HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON

CONTRACTOR GC

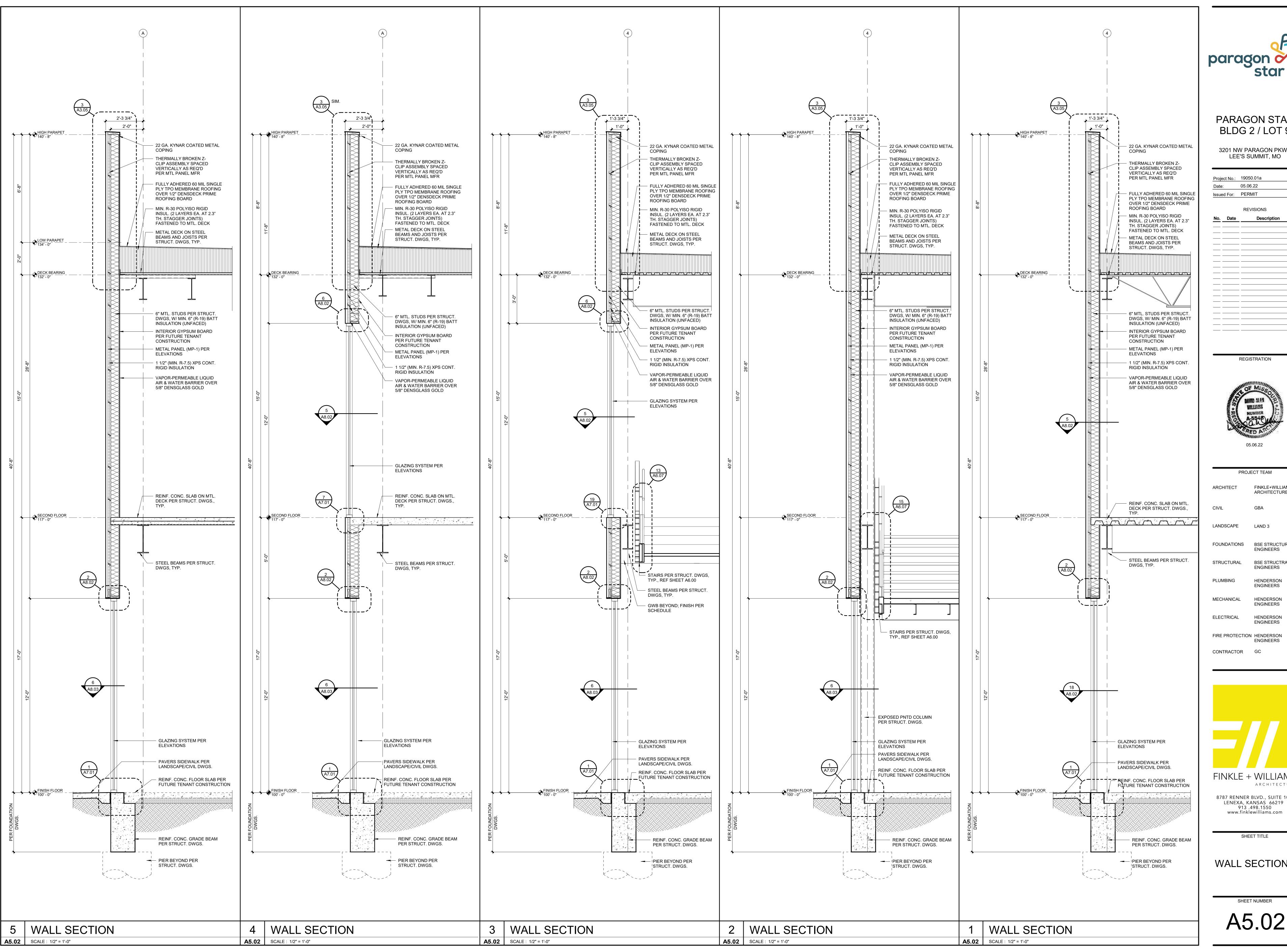


8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

WALL SECTIONS

SHEET NUMBER A5.01

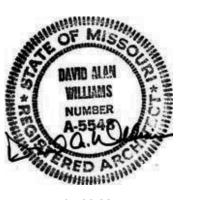




3201 NW PARAGON PKWY

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

REGISTRATION



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

FIRE PROTECTION HENDERSON CONTRACTOR GC

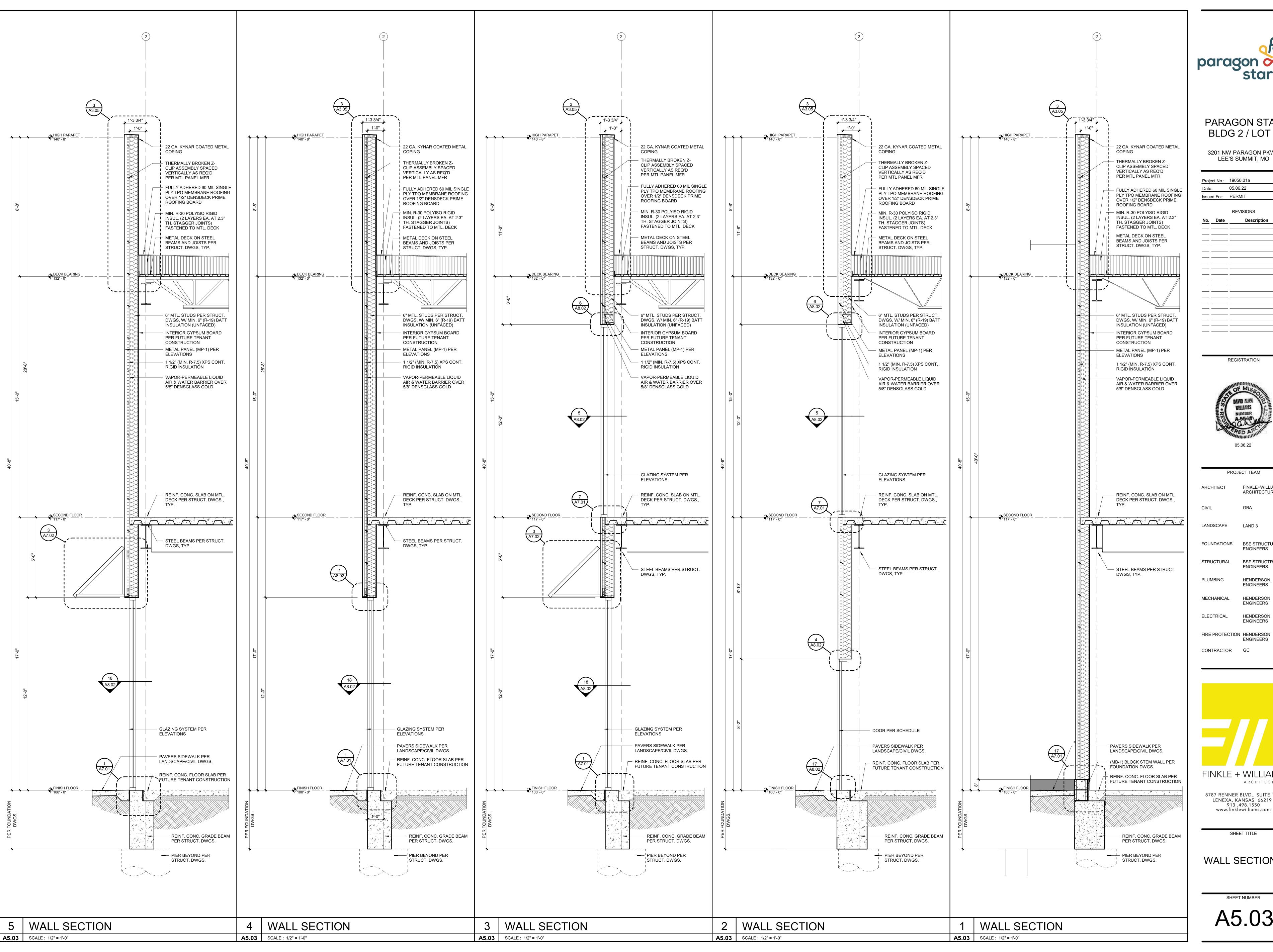
HENDERSON **ENGINEERS**

FINKLE + WILLIAMS ARCHITECTURE 8787 RENNER BLVD., SUITE 100

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WALL SECTIONS

A5.02





3201 NW PARAGON PKWY

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS _____ _____

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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**

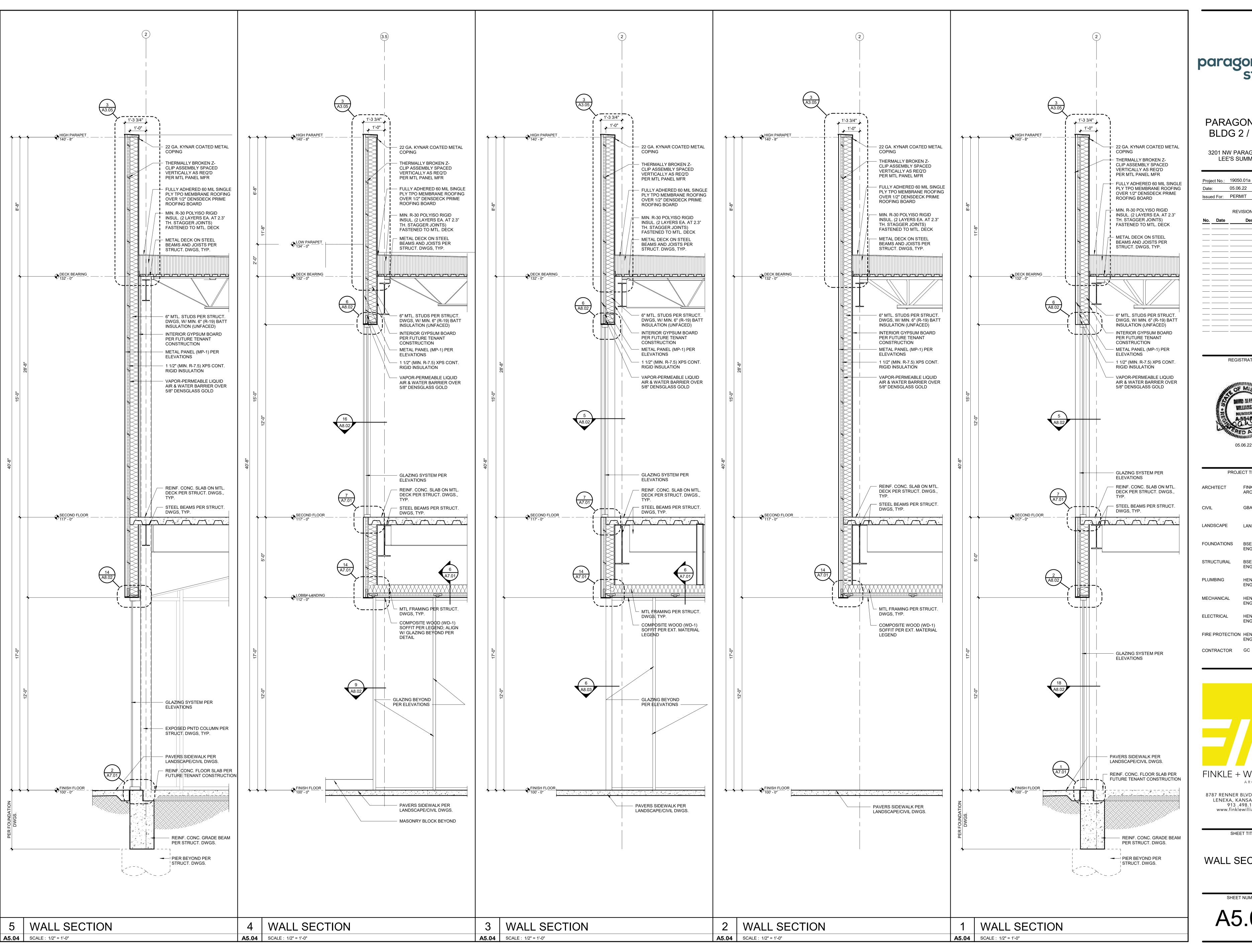
FINKLE + WILLIAMS ARCHITECTURE 8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

WALL SECTIONS

SHEET NUMBER

A5.03

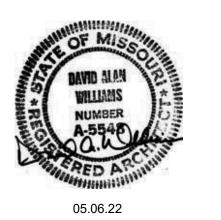




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PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON HENDERSON ELECTRICAL **ENGINEERS** FIRE PROTECTION HENDERSON

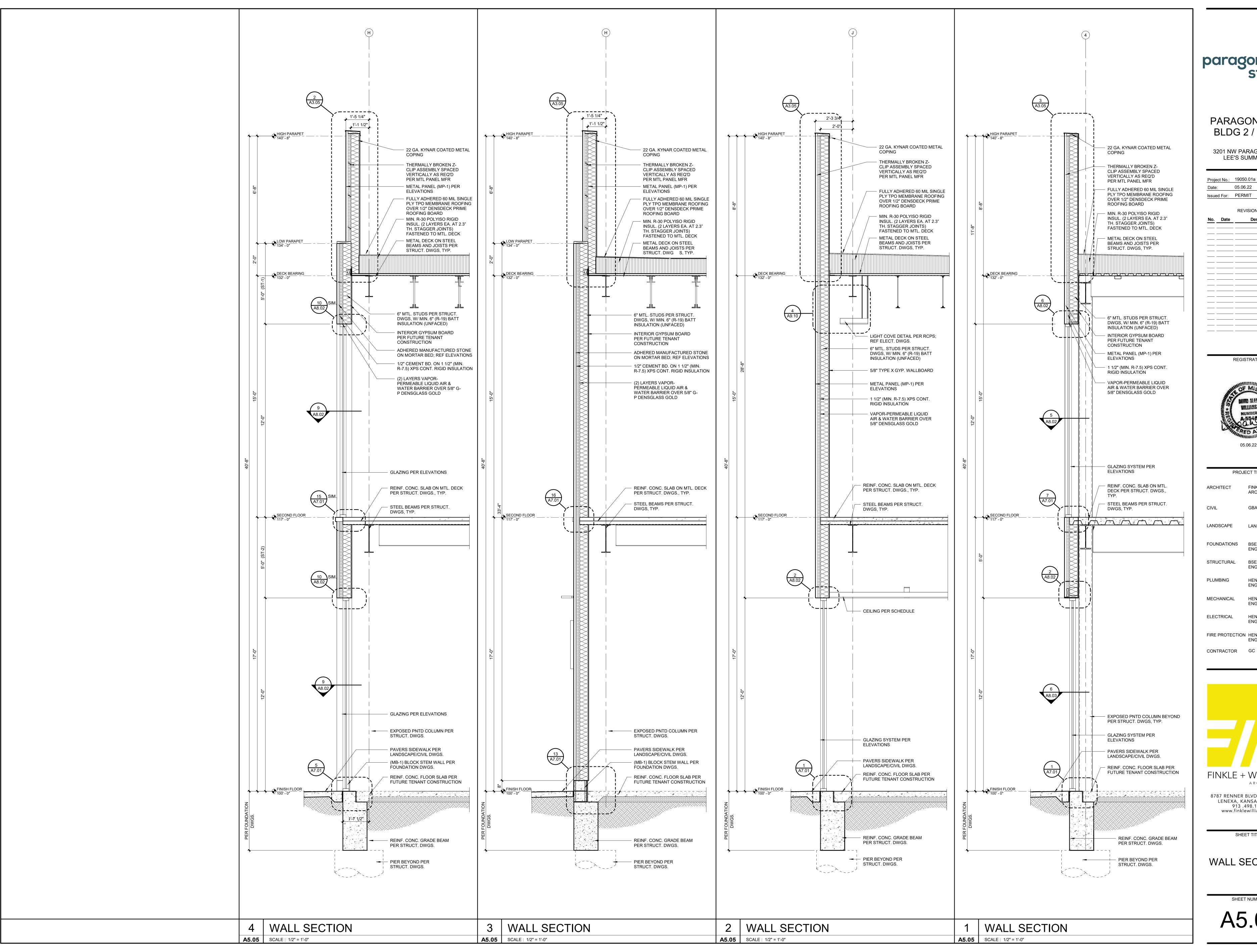


8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

WALL SECTIONS

SHEET NUMBER A5.04

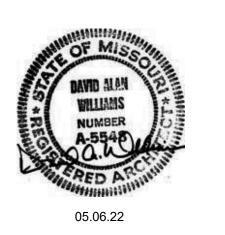




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Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

REGISTRATION



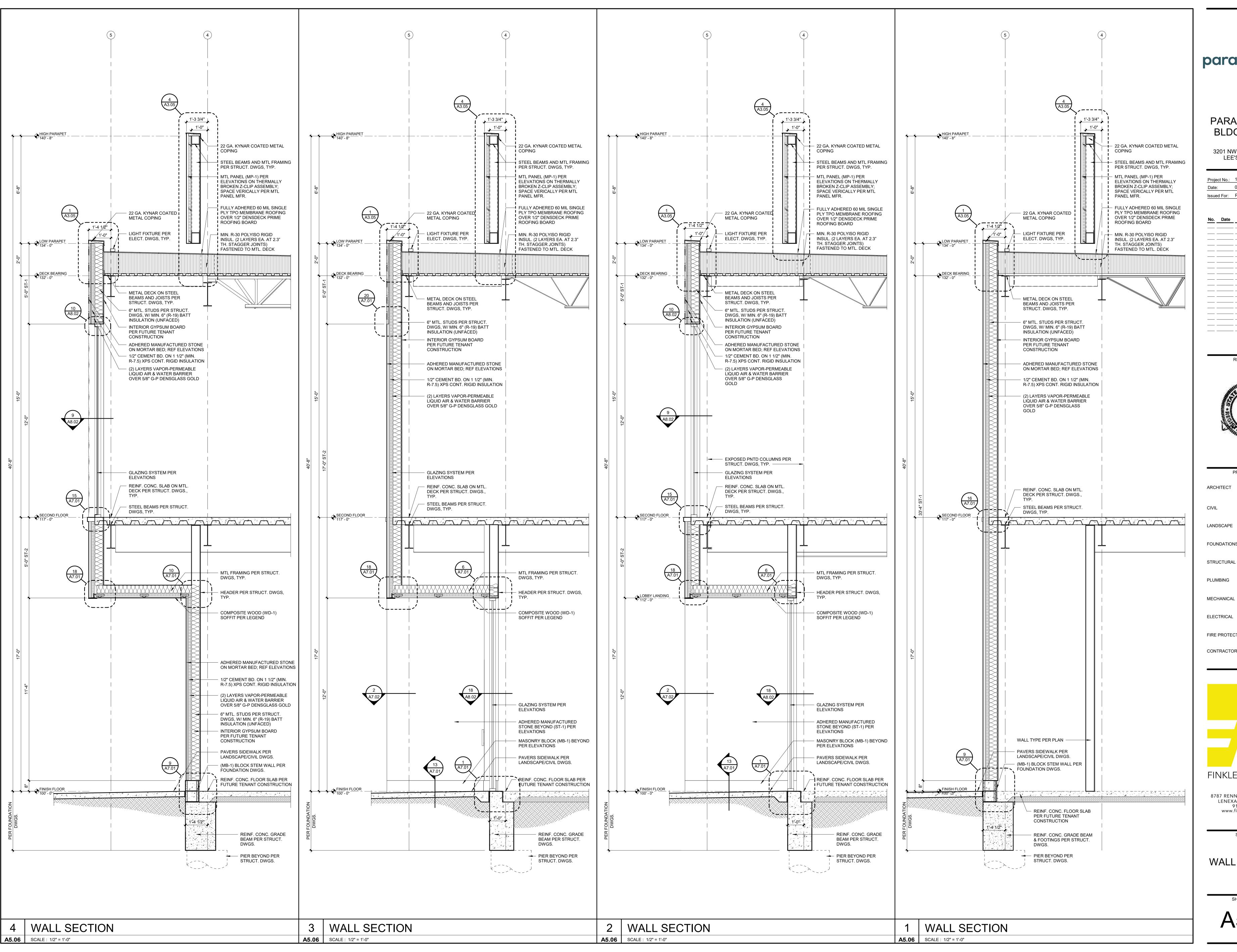
PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS** STRUCTURAL BSE STRUCTRAL **ENGINEERS** PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON

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

SHEET TITLE

WALL SECTIONS

SHEET NUMBER A5.05





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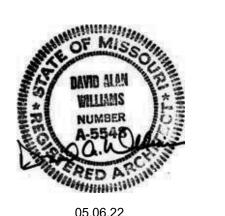
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REGISTRATION



PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTRAL ENGINEERS

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

HENDERSON

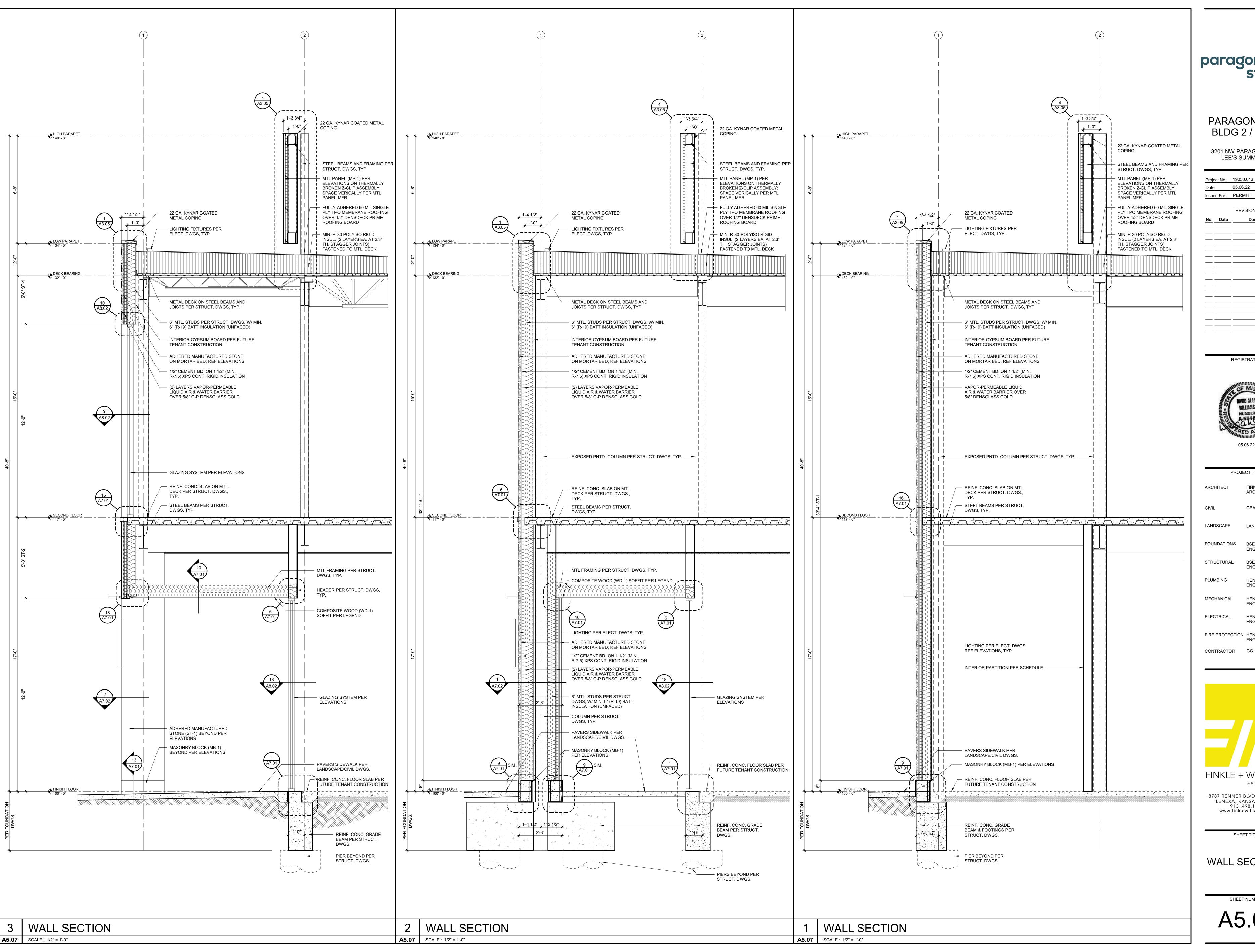
FINKLE + WILLIAMS
ARCHITECTURE

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

SHEET TITLE

WALL SECTIONS

A5.06

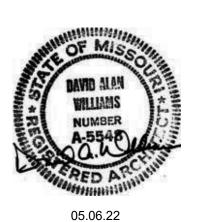




3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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REGISTRATION



PROJECT TEAM

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

ELECTRICAL HENDERSON **ENGINEERS** FIRE PROTECTION HENDERSON

HENDERSON

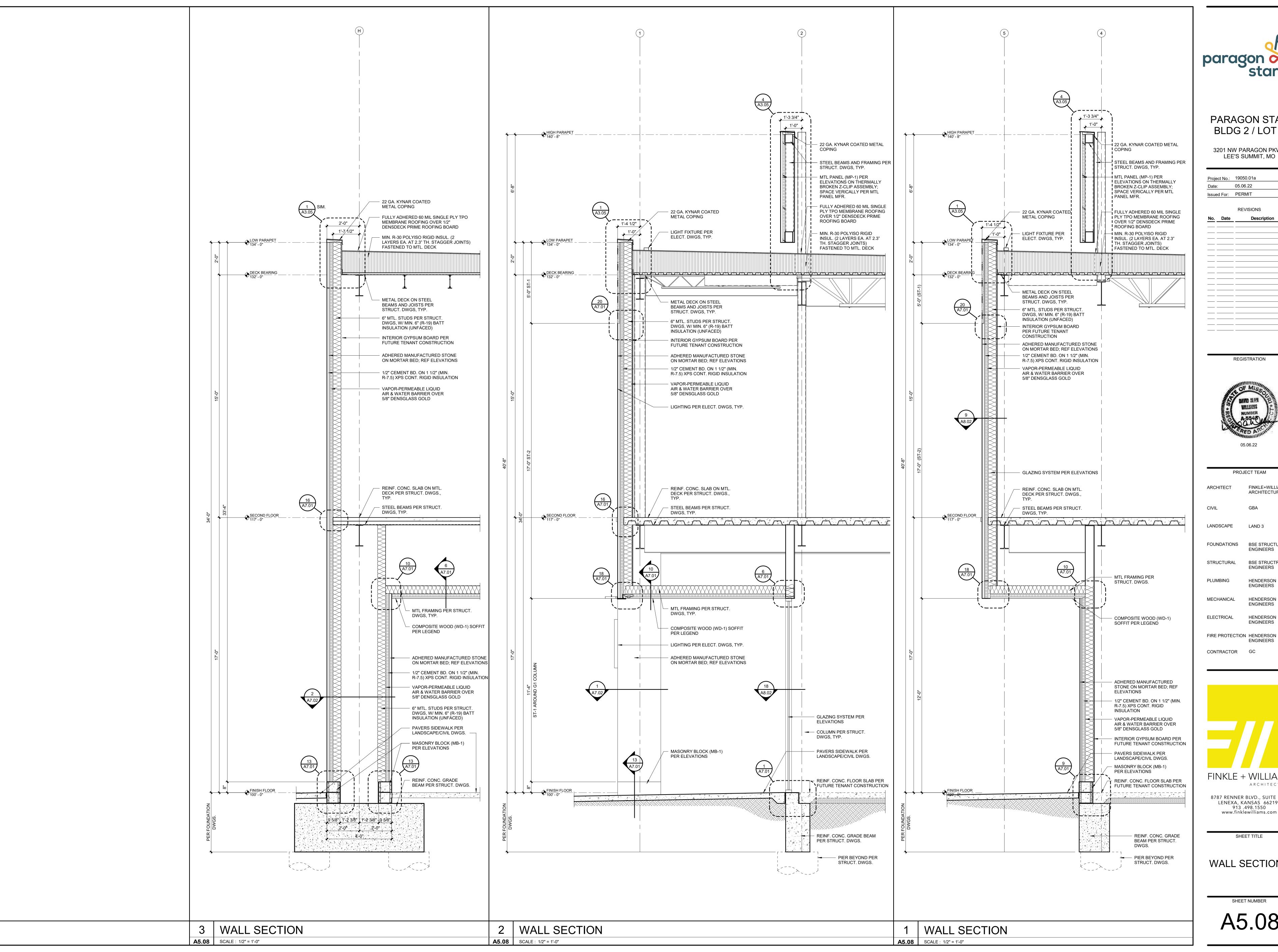
FINKLE + WILLIAMS ARCHITECTURE

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

SHEET TITLE

WALL SECTIONS

A5.07





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

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REGISTRATION



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

ENGINEERS

FINKLE + WILLIAMS ARCHITECTURE

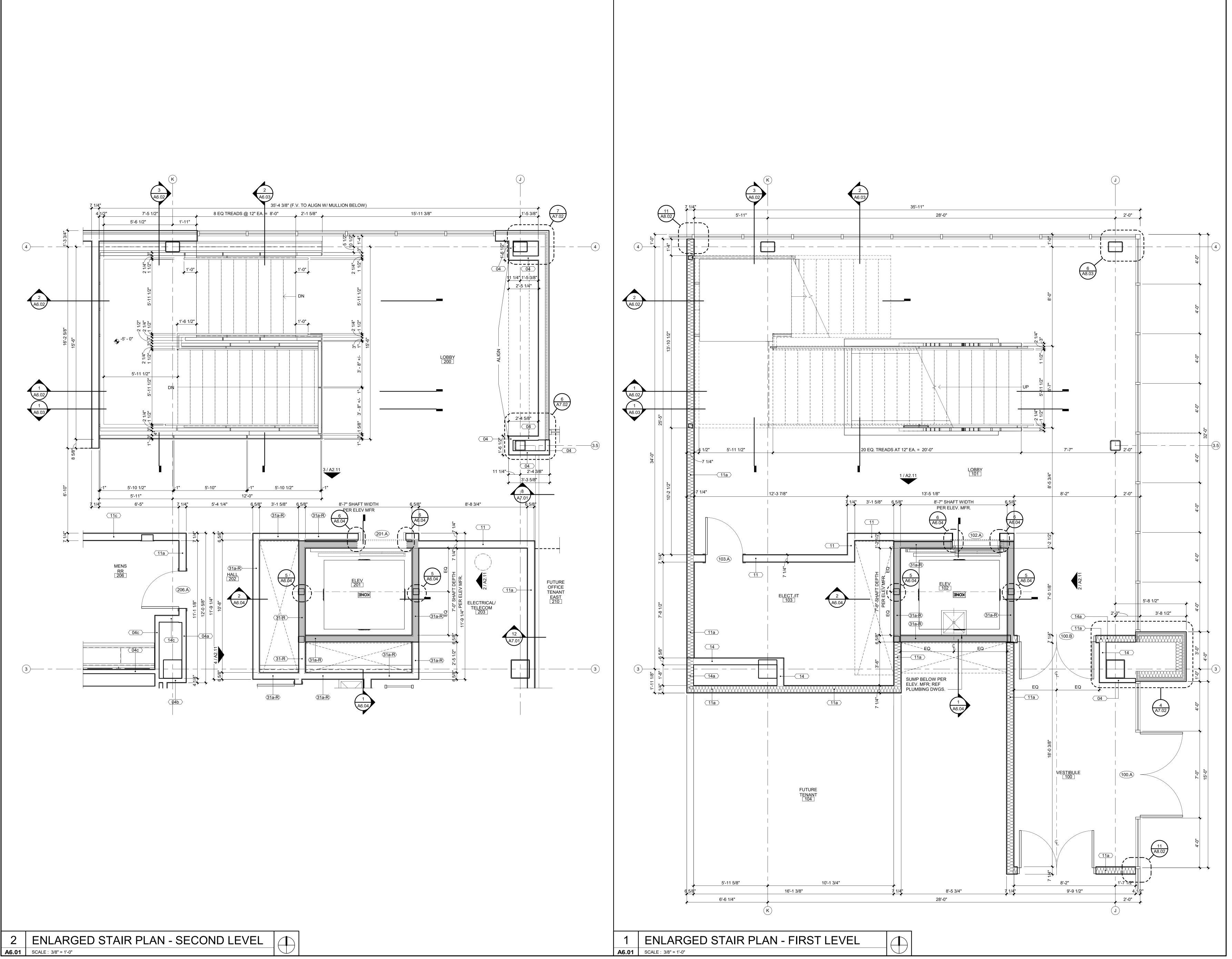
8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

WALL SECTIONS

SHEET TITLE

SHEET NUMBER

A5.08

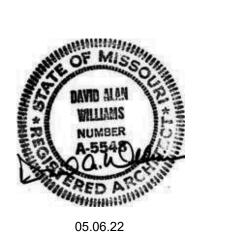




3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Proje	ect No.:	19050.01a		
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REGISTRATIO



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

CONTRACTOR GC

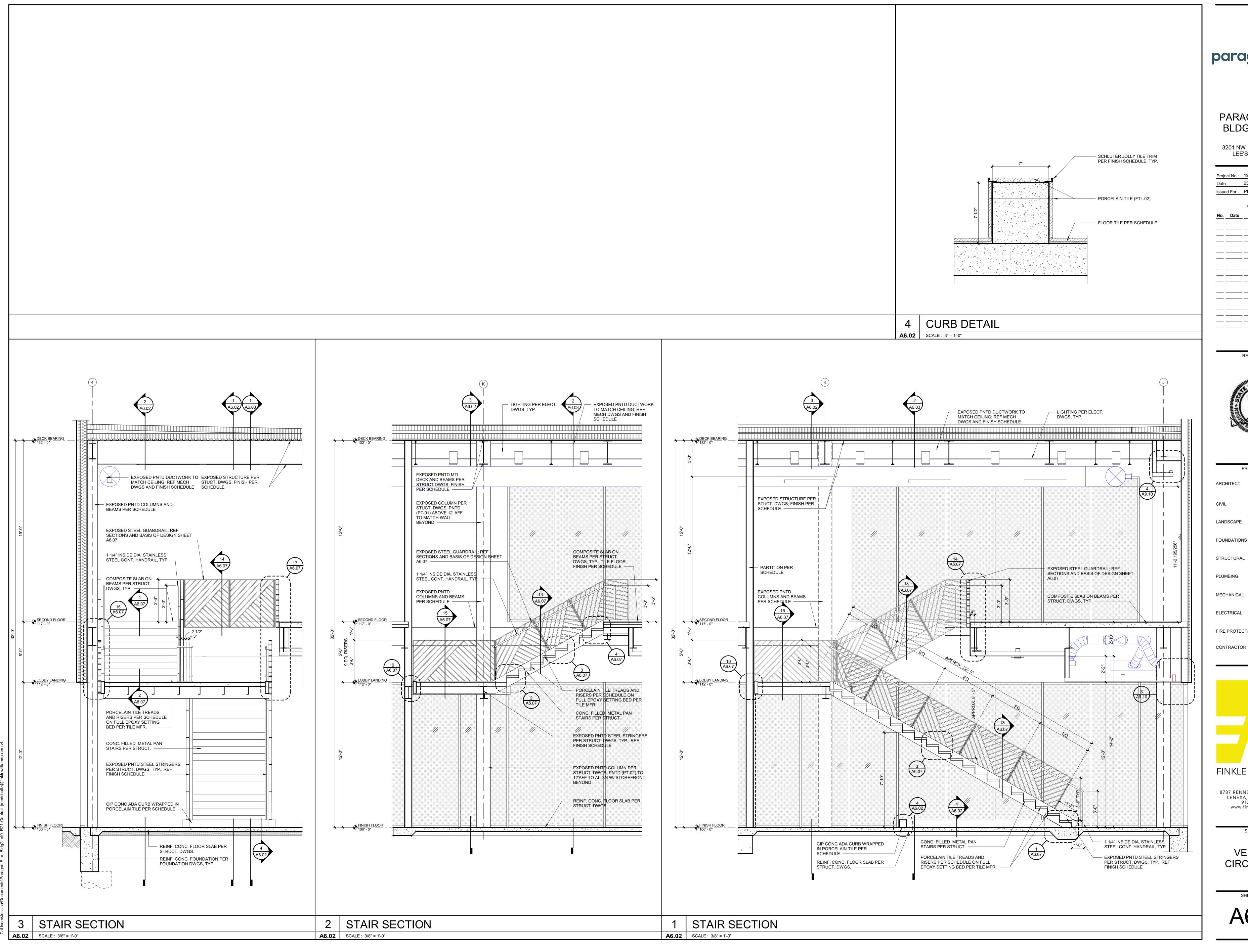


8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

VERTICAL CIRCULATION

A6.01





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

 Project No.:
 19050.01a

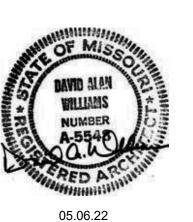
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 Date
 Description

REGISTRATION



PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

BSE STRUCTRAL

ENGINEERS

HENDERSON ENGINEERS

MBING HENDERSON ENGINEERS

HANICAL HENDERSON ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

FINKLE + WILLIAMS

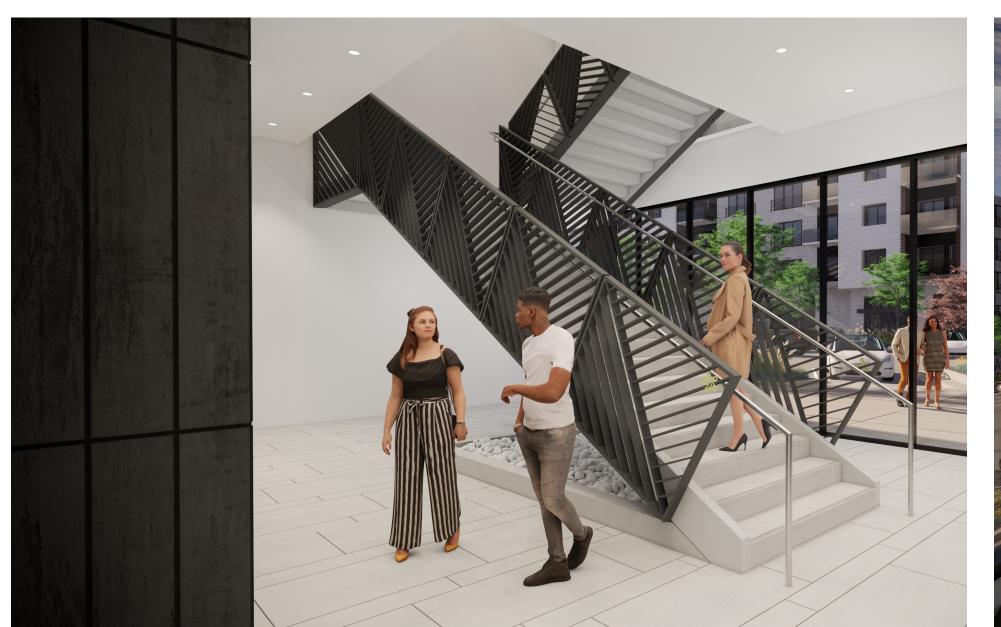
8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219

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

SHEET TITLE

VERTICAL CIRCULATION

A6.02

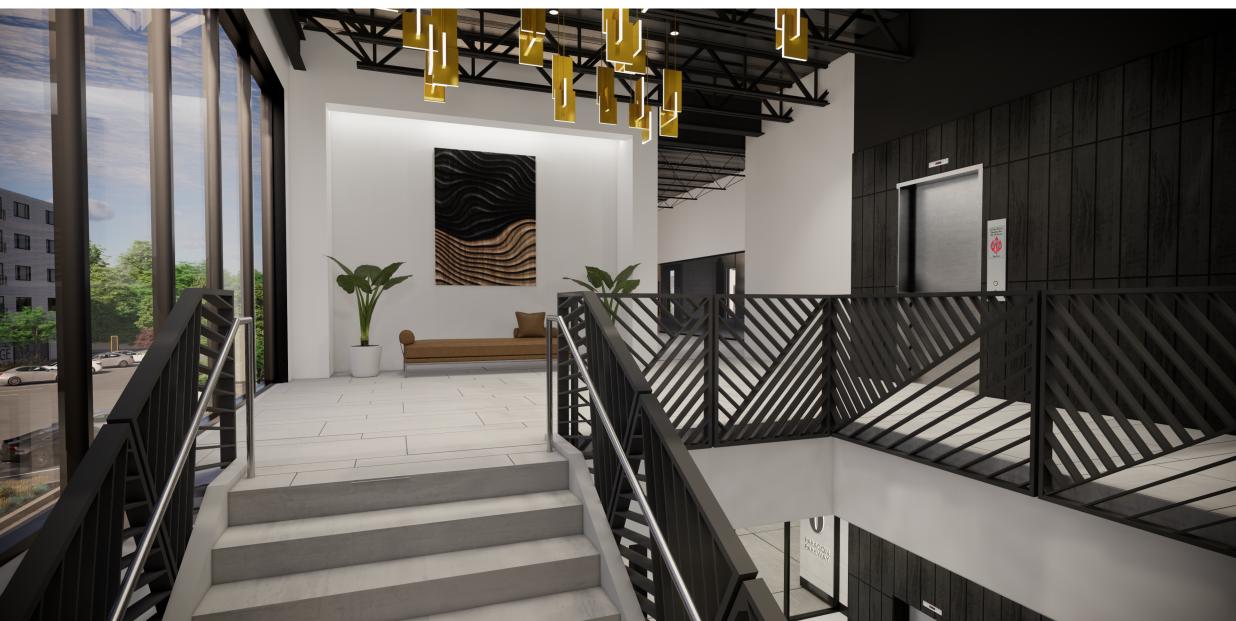


*THESE IMAGES ARE INTENDED FOR REFERENCE ONLY; MAY NOT ACCURATELY REFLECT CURRENT DESIGN. DISCUSS ANY DISCREPENCIES WITH ARCHITECT AND OWNER PRIOR TO FABRICATION.

INTERIOR STAIR RENDERINGS

LOBBY STAIR AXON VIEWS

A6.03 SCALE:





- LIGHTING PER ELECT.

DWGS, TYP.; REF RCPS

- EXPOSED STRUCTURE PER

TRACK LIGHTING PER ELECT .DWGS, TYP.

TRACK LIGHTING PER ELECT .DWGS, TYP.

PARTITION PER

SCHEDULE -

STUCT. DWGS; FINISH PER

SCHEDULE

OPEN TO HALL BEYOND

- CIP CONC ADA CURB WRAPPED IN PORCELAIN TILE

REINF. CONC. FLOOR SLAB PER STRUCT. DWGS.

PER SCHEDULE

EXPOSED PNTD DUCTWORK TO MATCH CEILING, HOLD TIGHT TO

STRUCTURE; REF MECH DWGS

201.A

1'-0" A6.07

STAIR SECTION

A6.03 SCALE: 3/8" = 1'-0"

4 A6.02

PORCELAIN TILE TREADS AND RISERS PER SCHEDULE ON FULL

- CONC. FILLED METAL PAN STAIRS PER STRUCT.

EPOXY SETTING BED PER TILE MFR.

AND FINISH SCHEDULE

PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO



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

FINKLE + WILLIAMS ARCHITECTURE

ENGINEERS

CONTRACTOR GC

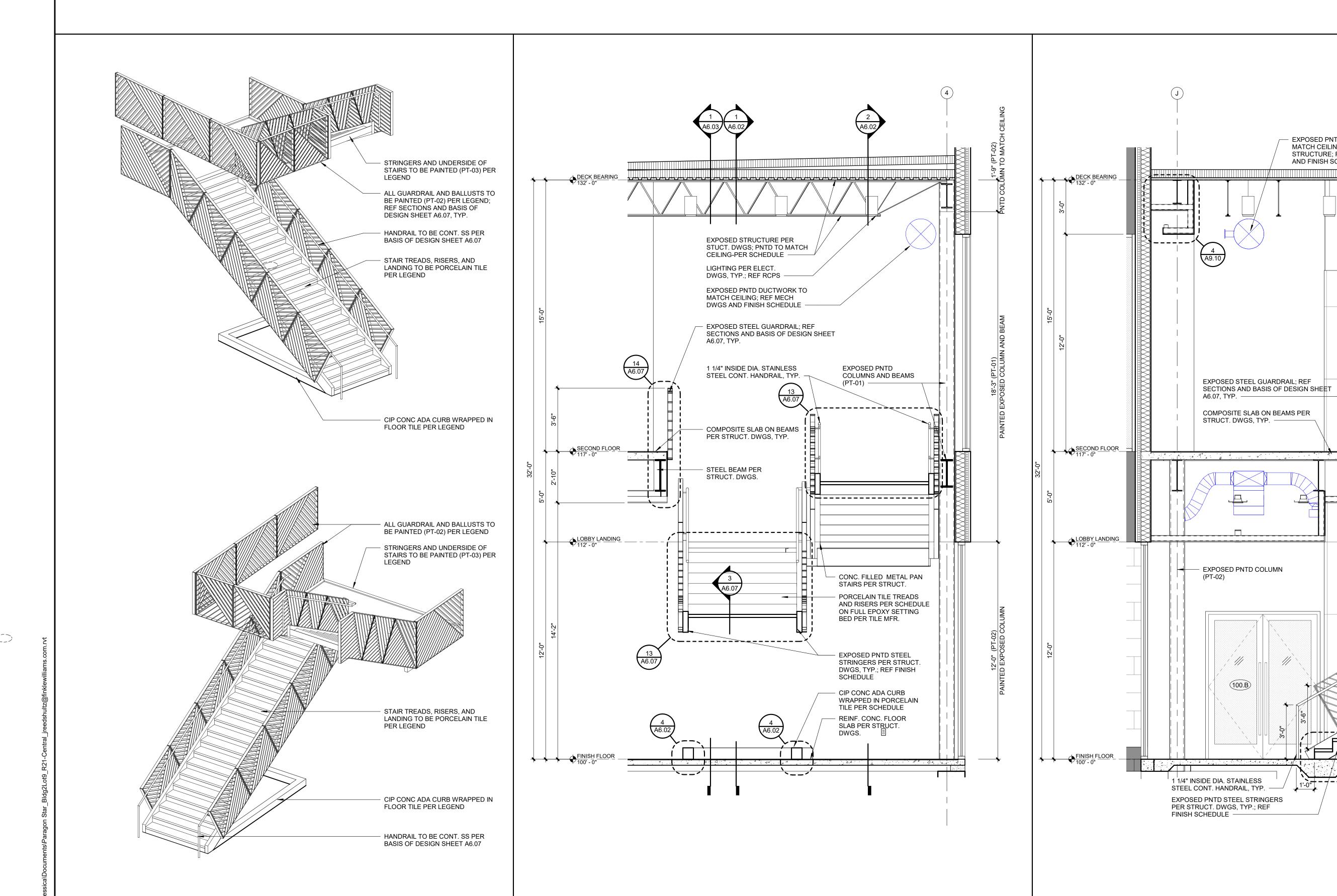
8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

SHEET TITLE

VERTICAL CIRCULATION

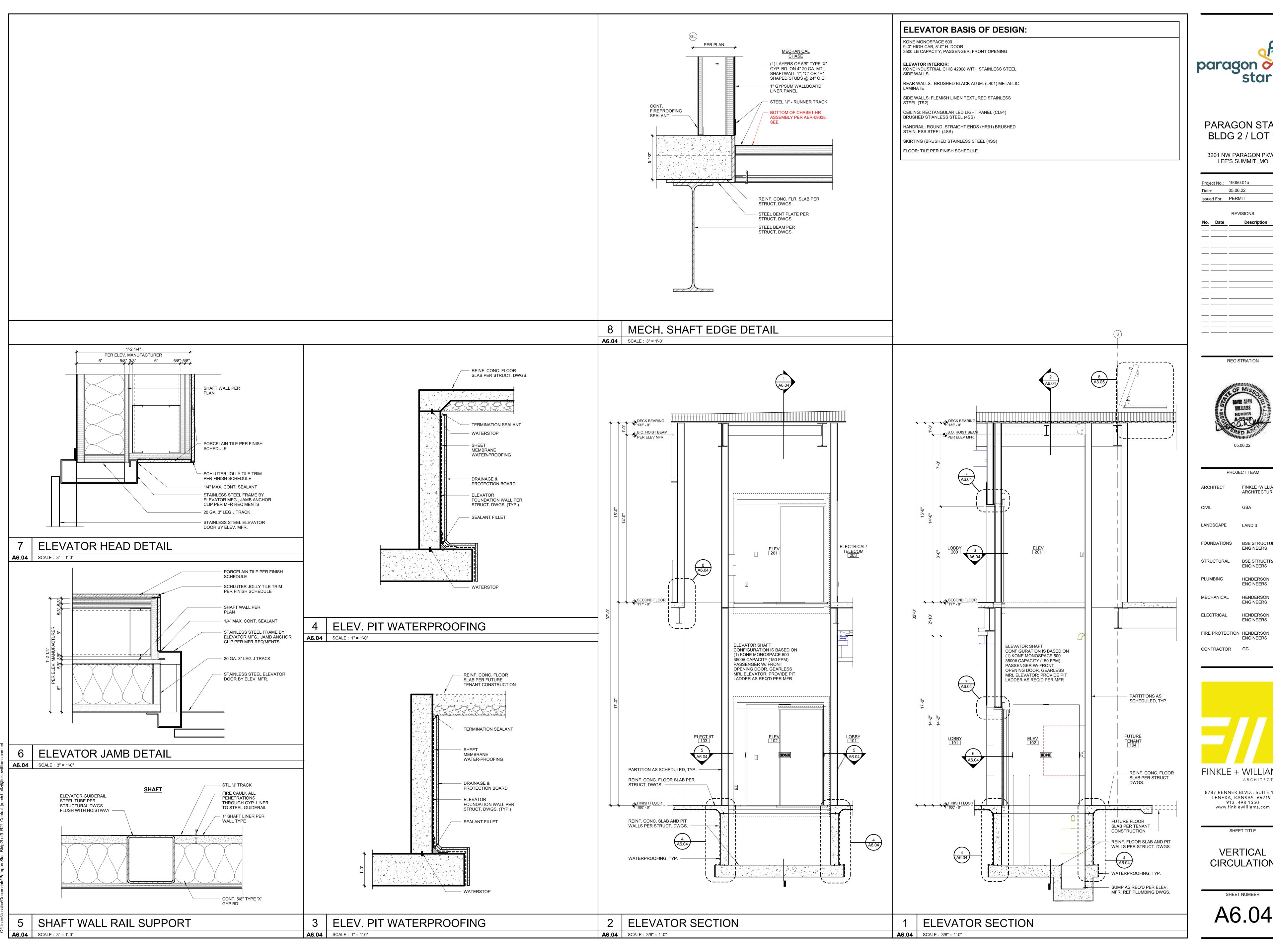
A6.03

SHEET NUMBER



STAIR SECTION

A6.03 SCALE: 3/8" = 1'-0"

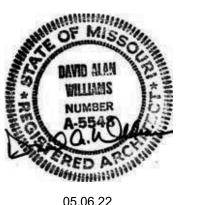




3201 NW PARAGON PKWY

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE LAND 3

BSE STRUCTURAL

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

HENDERSON **ENGINEERS** HENDERSON **ENGINEERS**

FIRE PROTECTION HENDERSON CONTRACTOR GC

FINKLE + WILLIAMS ARCHITECTURE

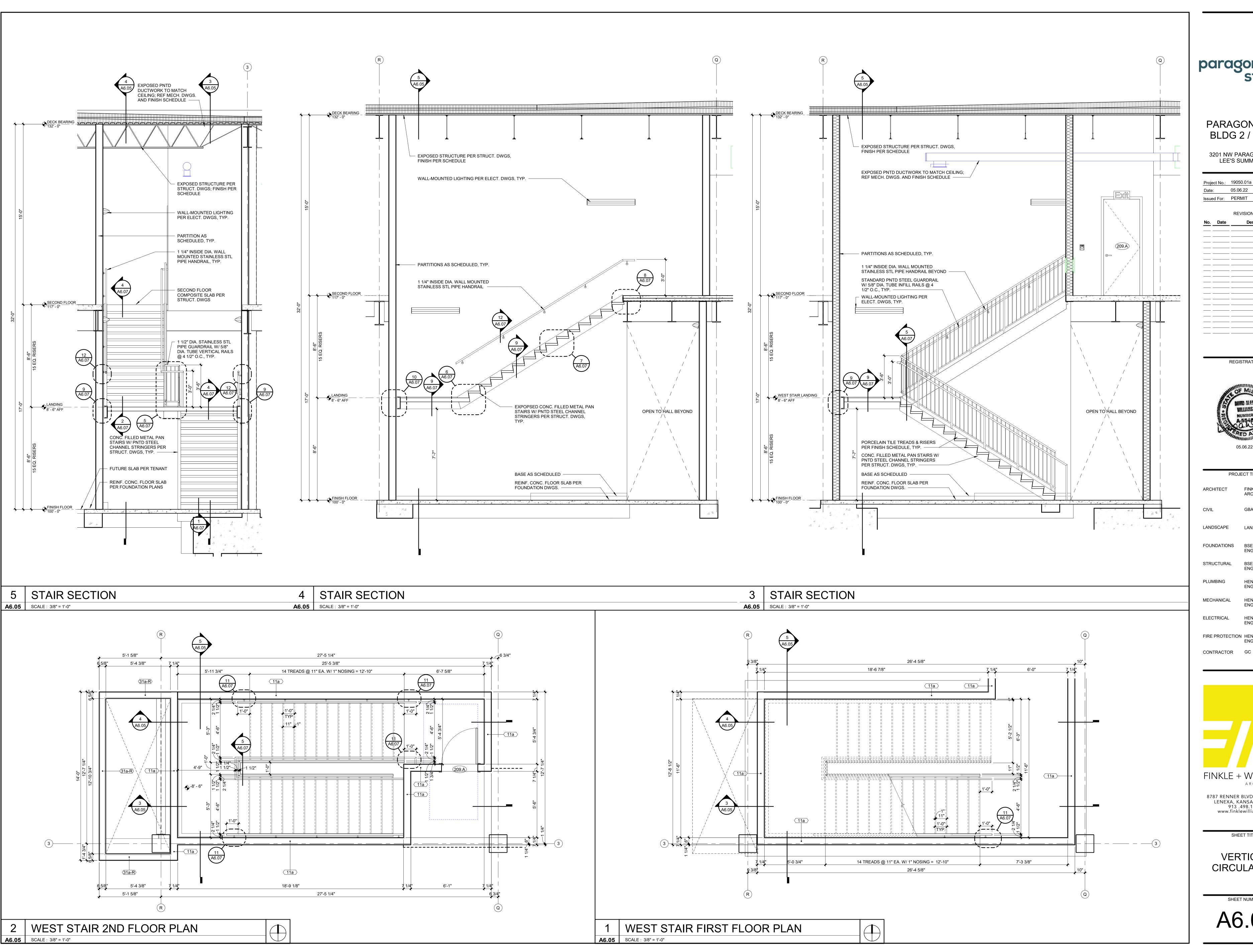
8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

VERTICAL

SHEET TITLE

CIRCULATION

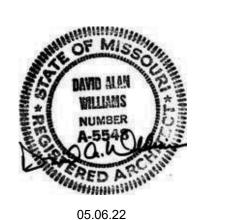
SHEET NUMBER A6.04





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 05.06.22 REVISIONS



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PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE

LANDSCAPE LAND 3

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

PLUMBING HENDERSON **ENGINEERS** MECHANICAL HENDERSON

ENGINEERS

ELECTRICAL HENDERSON

FIRE PROTECTION HENDERSON

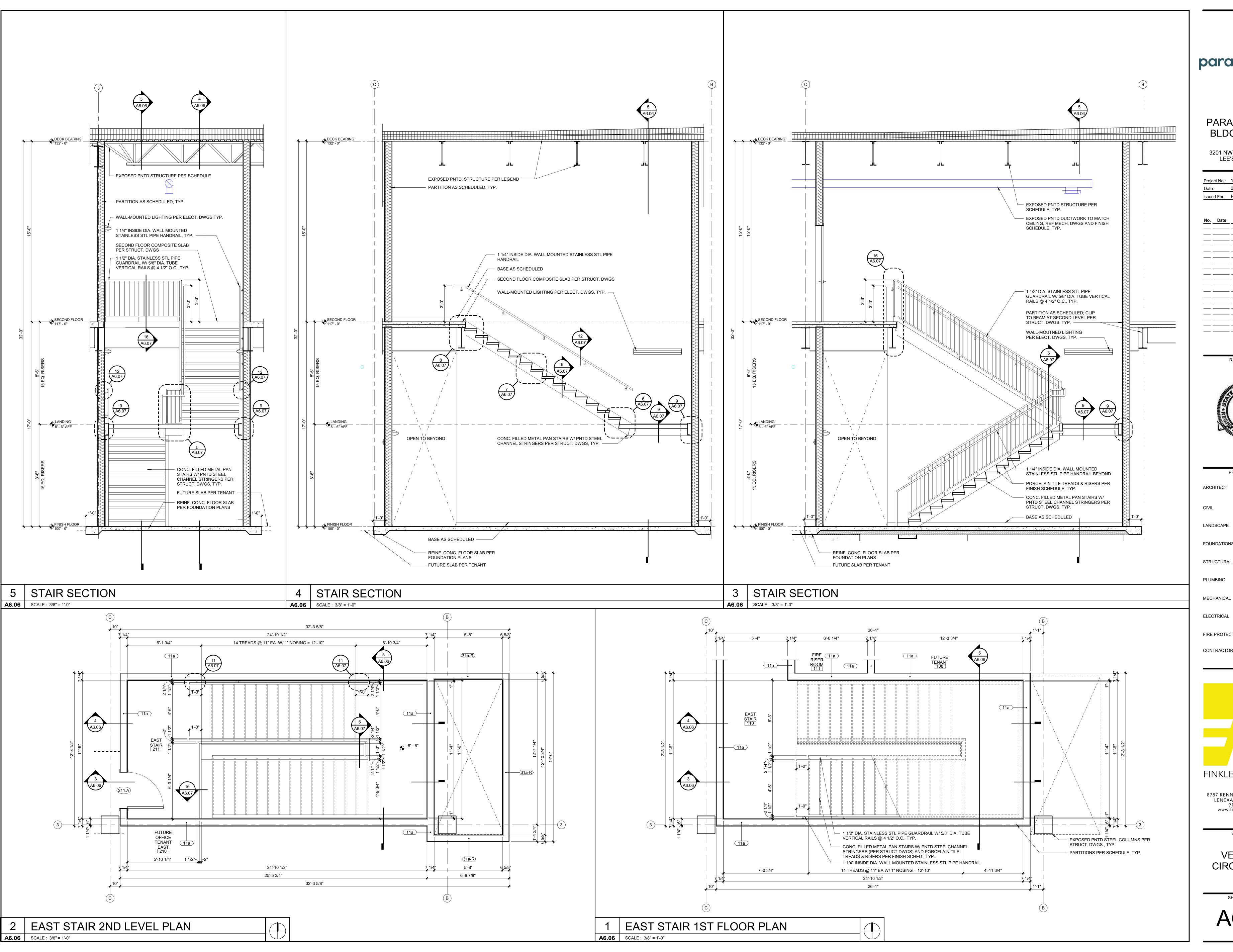
FINKLE + WILLIAMS ARCHITECTURE

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

SHEET TITLE

VERTICAL CIRCULATION

A6.05





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

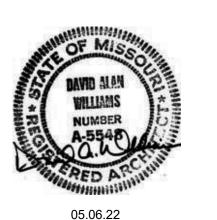
Project No.: 19050.01a

Date: 05.06.22

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Date Description

REGISTRATION



PROJECT TEAM

CHITECT 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 GC



ARCHITECTURE

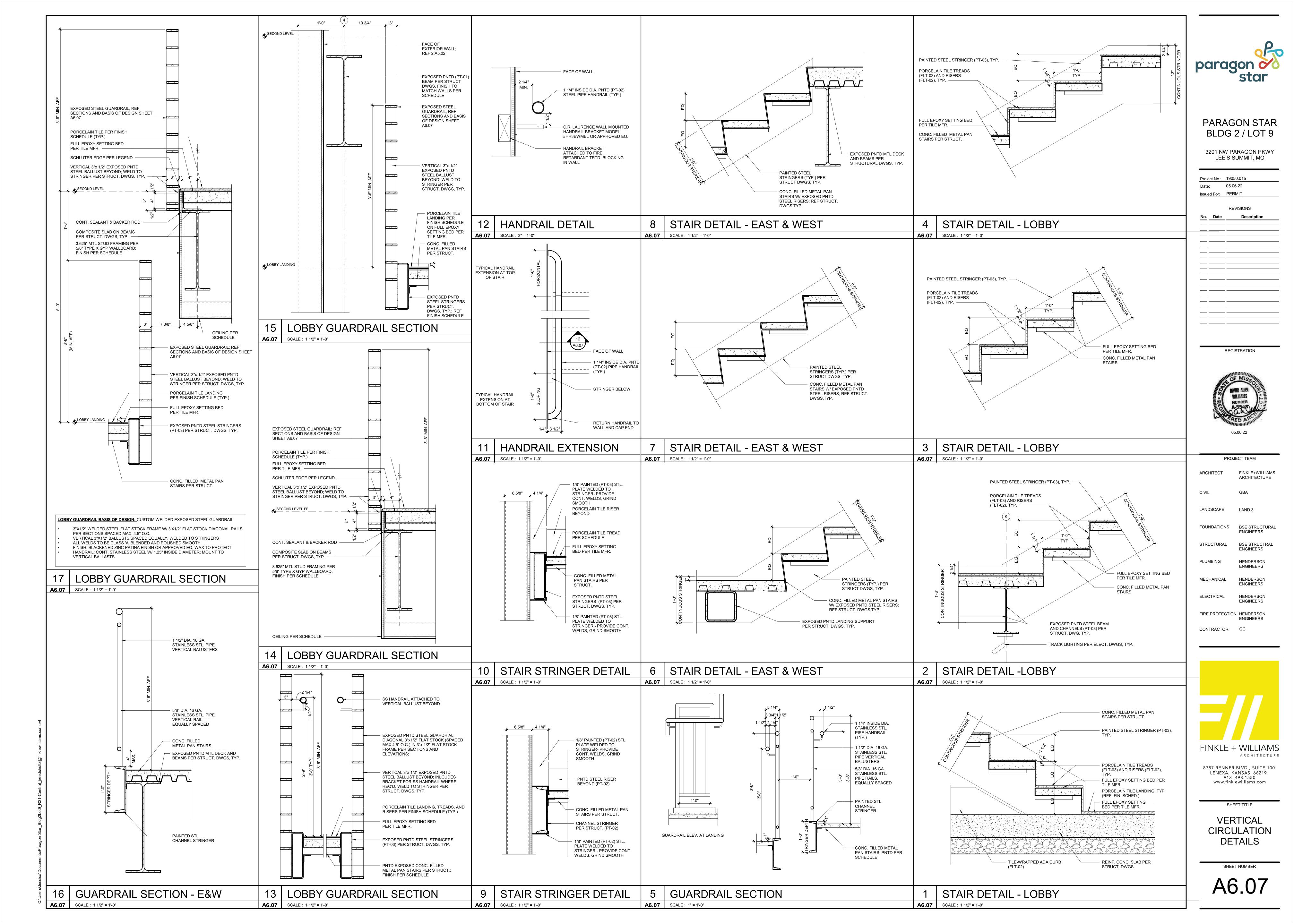
8787 RENNER BLVD., SUITE 100

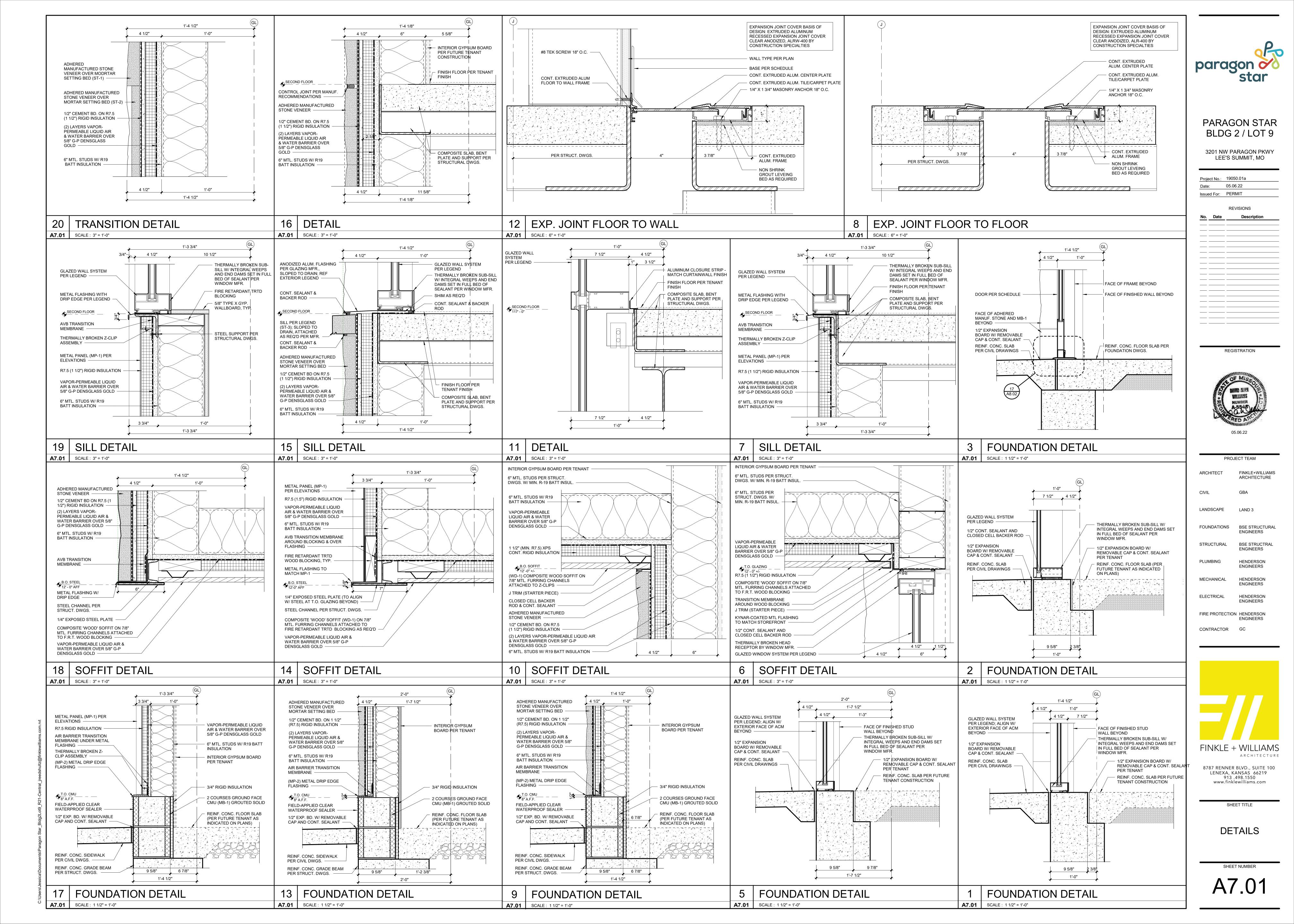
LENEXA, KANSAS 66219 913 .498.1550 www.finklewilliams.com

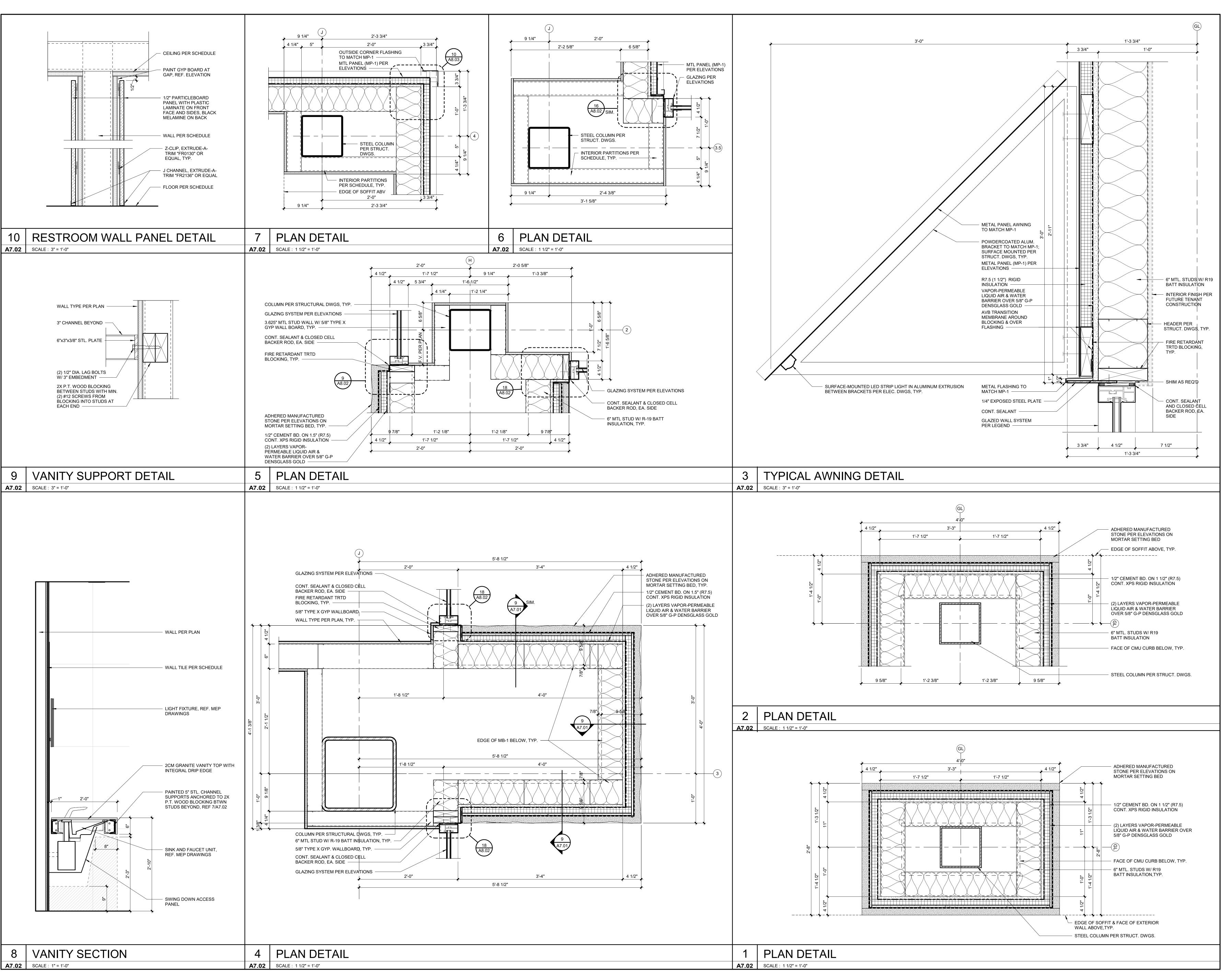
SHEET TITLE

VERTICAL CIRCULATION

A6.06









3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

REGISTRATION

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

MECHANICAL HENDERSON ELECTRICAL HENDERSON **ENGINEERS**

HENDERSON

ENGINEERS

PLUMBING

CONTRACTOR GC

FIRE PROTECTION HENDERSON

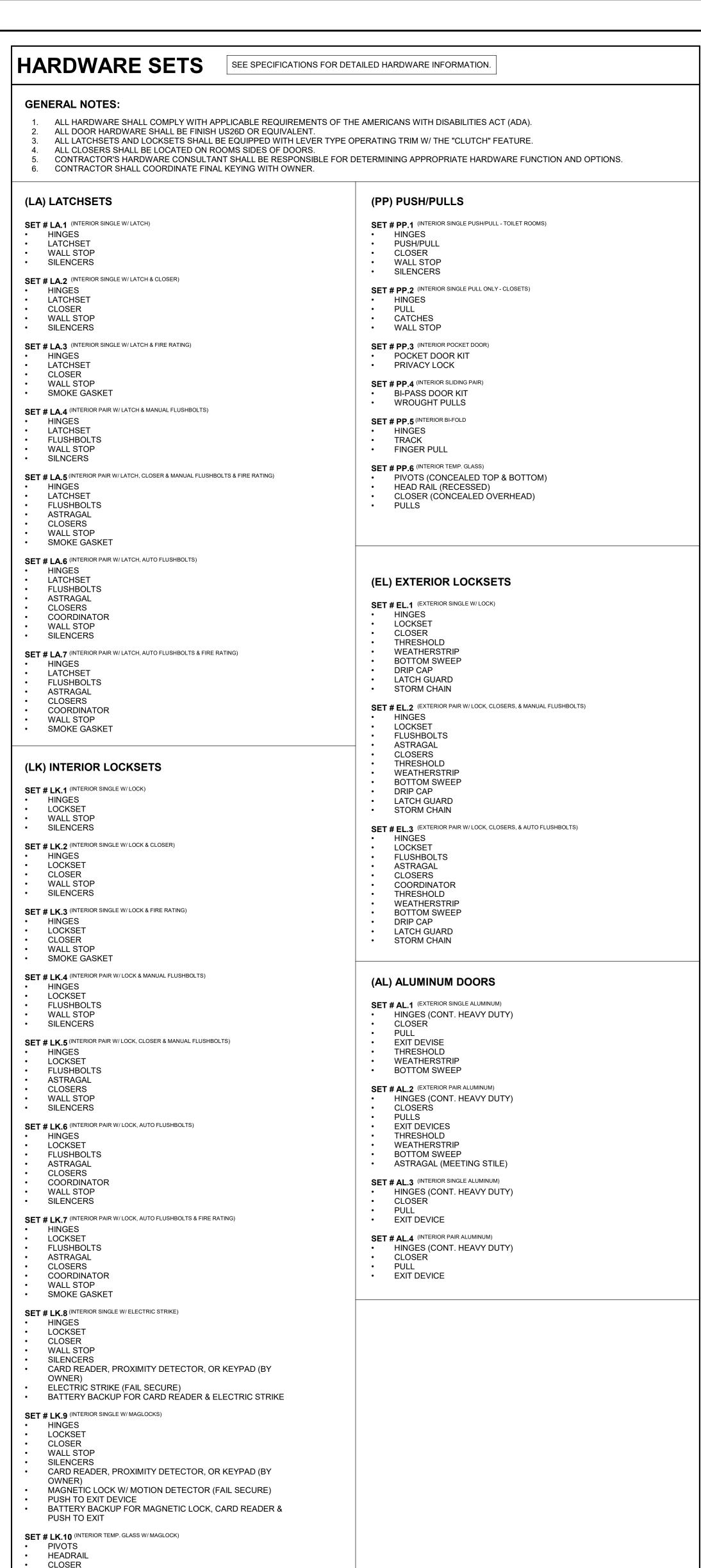
FINKLE + WILLIAMS ARCHITECTURE

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SHEET TITLE

DETAILS

SHEET NUMBER A7.02



DOOR TYPES	ALL HOLLOW METAL DOORS TO BE F	FACTORY PRIMED. PAINT TO BE SPRAYED		
REF. DOOR	REF. DOOR	REF. DOOR,	REF. DOOR,	
	10"	10.	10	
MED. STILE BLACK ANODIZED ALUMINUM DOOR W/ 1" PREFINISHED TEMPERED CLEAR GLASS; REF GL-1 PER LEGEND	MED. STILE BLACK ANODIZED ALUMINUM DOOR W/ 1/4" PREFINISHED TEMPERED CLEAR GLASS; COORD. W/ GL-1 PER LEGEND	PAIR: MED. STILE BLACK ANODIZED ALUMINUM DOOR W/ 1" PREFINISHED TEMPERED CLEAR GLASS; REF GL-1 PER LEGEND	PAIR: MED. STILE BLACK ANODIZED ALUMINUM DOOR W/ 1/4" PREFINISHED TEMPERED CLEAR GLASS; COORD. W/ GL-1 PER LEGEND	
(A1)	(A2)	(A3)	(A4)	
EXT. DOOR TO BE GRADE III EXTRA HEAVY DUTY, MODEL 4 INSUL., MIN. 16 GA. GALV. STL. (FINISH W/ 2 COATS SEMI- GLOSS ACRYLIC LATEX PAINT)	INT. DOOR TO BE GRADE II HEAVY DUTY, MODEL 3 OR 4 INSUL., MIN. 18 GA. STL. (FINISH W/ 2 COATS SEMI- GLOSS ACRYLIC LATEX PAINT)	SOLID CORE FLUSH WOOD DOOR: EDPCUF CORE, XXX VENEER, PLAIN SLICED, W/ XXX FINISH	LAMINATE FLUSH DOOR: PARTICLEBOARD CORE, HPDL: WILSONART, WALNUT HEIGHTS 7965K-12; MANUF. MASONITE ARCHITECTURAL	
(H1)	(H3)	W1)	OR SIM.	
FRAME TYPES	ALL HOLLOW METAL FRAMES TO BE	FACTORY PRIMED. PAINT TO BE SPRAYED		
REF. DOOR SCHED. 2" 2"	REF. DOOR SCHED. 2"	REF. DOOR SCHED. 2 <u>"</u> <u>2</u> "	REF. DOOR SCHED. 2" 2"	REF. DOOR SCHED. 1"1"

THERMALLY BROKEN

ANODIZED ALUMINUM

FRAME PER LEGEND

ANODIZED

ALUMINUM FRAME

PER LEGEND

4

STEEL FRAME FROM

CECO DOOR,

PROFILE: 1" FACE

14 GA. GALV. WELDED

HOLLOW METAL FRAMES,

FINISH TO BE SPRAYED W/ 2

COATS SEMI-GLOSS

ACRYLIC LATEX PAINT

16 GA. WELDED HOLLOW

METAL FRAMES, FINISH TO

BE SPRAYED W/ 2 COATS

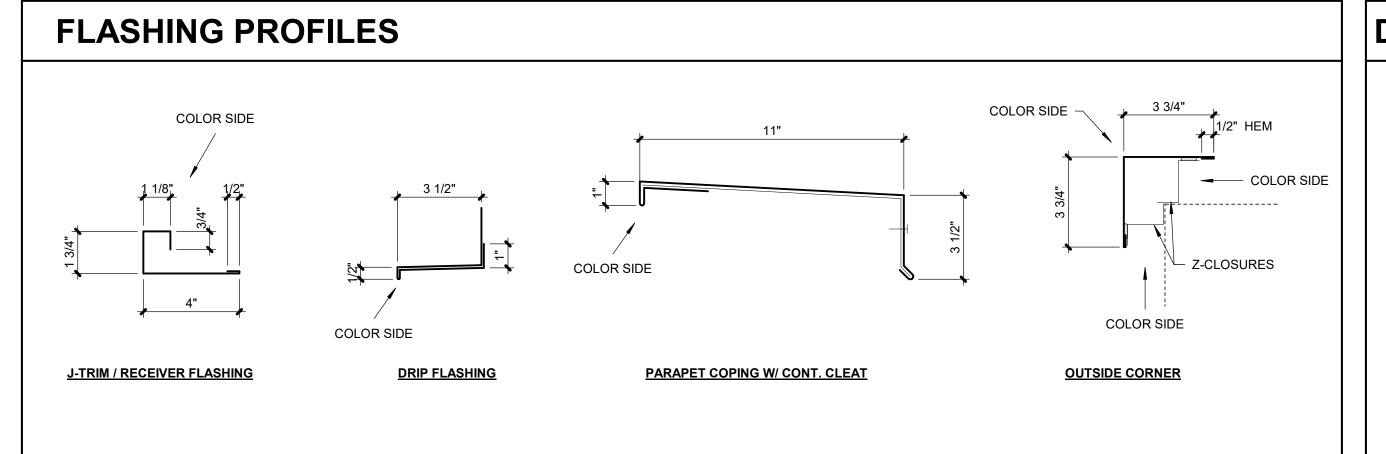
SEMI-GLOSS ACRYLIC

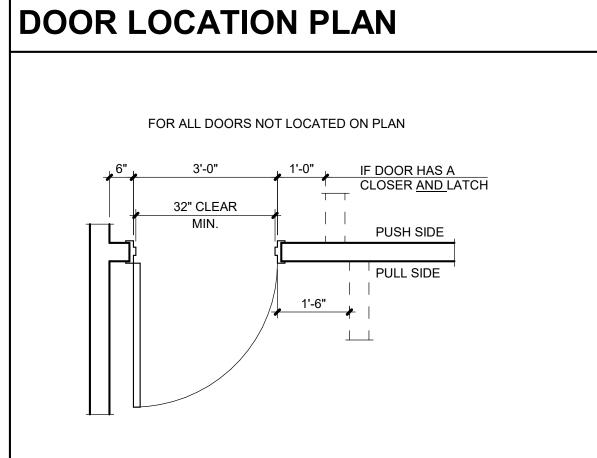
LATEX PAINT

	DOOR		FRA	FRAME		DETAILS							
		SIZE											
NO.	W.	H.	Th.	TYPE	MAT.	TYPE	MAT.	RATING	JAMB	HEAD	SILL	HARDWARE	REMAR
100.A	6' - 10"	8' - 0"	1 3/4"	A3	AL	-	AL	-	16 & 18/A8.02	2/A7.01	17/A8.02		
100.B	6' - 0"	8' - 0"	1 3/4"	A4	AL	4	AL	-	1/A8.03	2/A8.03	-		
100.C	6' - 0"	8' - 0"	1 3/4"	A4	AL	4	AL	-	1/A8.03	2/A8.03	-		
102.A	3' - 6"	8' - 0"	MFR	MFR	MFR	MFR	MFR	-	6/A6.03	7/A6.03	MFR	MFR	ELEV
103.A	3' - 0"	8' - 0"	1 3/4"	H1	НМ	2	НМ	-	3/A8.03	4/A8.03	-		
104.A	3' - 9"	8' - 0"	1 3/4"	A3	AL	-	AL	-	18/A8.02	2/A7.01	17/A8.02		
104.B	3' - 0"	8' - 0"	1 3/4"	A1	AL	-	AL	-	18/A8.02	2/A7.01	17/A8.02		
105.A	3' - 0"	8' - 0"	1 3/4"	A1	AL	3	AL	-	7/A8.02	8/A8.02	17/A8.02		
106.A	3' - 0"	8' - 0"	1 3/4"	НЗ	НМ	2	НМ	-	3/A8.03	4/A8.03	-		
107.A	4' - 0"	8' - 0"	1 3/4"	A6	НМ	1	НМ		3/A8.02	4/A8.02	17/A8.02		
108.A	3' - 0"	8' - 0"	1 3/4"	A1	AL	-	AL	-	9/A8.02	10/A8.02	17/A8.02		
108.B	3' - 0"	8' - 0"	1 3/4"	A1	AL	-	AL	-	18/A8.02	2/A7.01	17/A8.02		
109.A	3' - 0"	8' - 0"	1 3/4"	A1	AL	3	AL	-	7/A8.02	8/A8.02	17/A8.02		
110.A	3' - 0"	8' - 0"	1 3/4"	Н3	НМ	2	НМ	-	3/A8.03	4/A8.03	-		
111.A	3' - 0"	8' - 0"	1 3/4"	A1	AL	3	AL	-	7/A8.02	8/A8.02	17/A8.02		
112.A	4' - 0"	8' - 0"	1 3/4"	A6	НМ	1	НМ		3/A8.02	4/A8.02	17/A8.02		
201.A	3' - 6"	8' - 0"	MFR	MFR	MFR	MFR	MFR	-	6/A6.03	7/A6.03	MFR		ELEV
203.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-		
205.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-		
206.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-		
206.B	2' - 8"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03		LK.11	
206.C	3' - 0"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03		LK.11	
207.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-		
207.B	2' - 8"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03		LK.11	
207.C	2' - 8"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03		LK.11	
207.D	2' - 8"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03	-	LK.11	
207.E	3' - 0"	8' - 0"	1 3/4"	L1	HPDL	5	STL		7/A8.03	9/A8.03		LK.11	
209.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-		
211.A	3' - 0"	8' - 0"	1 3/4"	W1	WD	2	НМ	-	3/A8.03	4/A8.03	-		

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





MATERIAL LEGEND - GLASS HOLLOW METAL WD - WOOD STL - STEEL ALUMINUM MFR PER MANUFACTURER POLYETHYLENE POLY POLYCARBONATE P HPDL - HIGH PRESSURE DECORATIVE LAMINATE

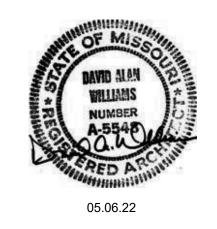


PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Proje	ct No ·	19050.01a
Project No.: Date:		05.06.22
Issue	d For:	PERMIT
		REVISIONS
		TAL VIGIONO
No.	Date	Description
<u>No.</u>	Date	
No.	Date	
No.	Date	
No	Date	

REGISTRATION



PROJECT TEAM

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

CONTRACTOR GC

FINKLE + WILLIAMS ARCHITECTURE

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

SHEET TITLE

DOOR SCHEDULE AND **DETAILS**

SHEET NUMBER

PULLS

CARD READER (BY OWNER)

SET # LK.11 (INTERIOR SINGLE TOILET PARTITION)

CYLINDER TURN DEAD LOCK

OCCUPANCY INDICATOR

MORTISE CYLINDER COIN TURN

PUSH TO EXIT DEVICE

PUSH TO EXIT

SPRING HINGE

LONG DOOR PULL

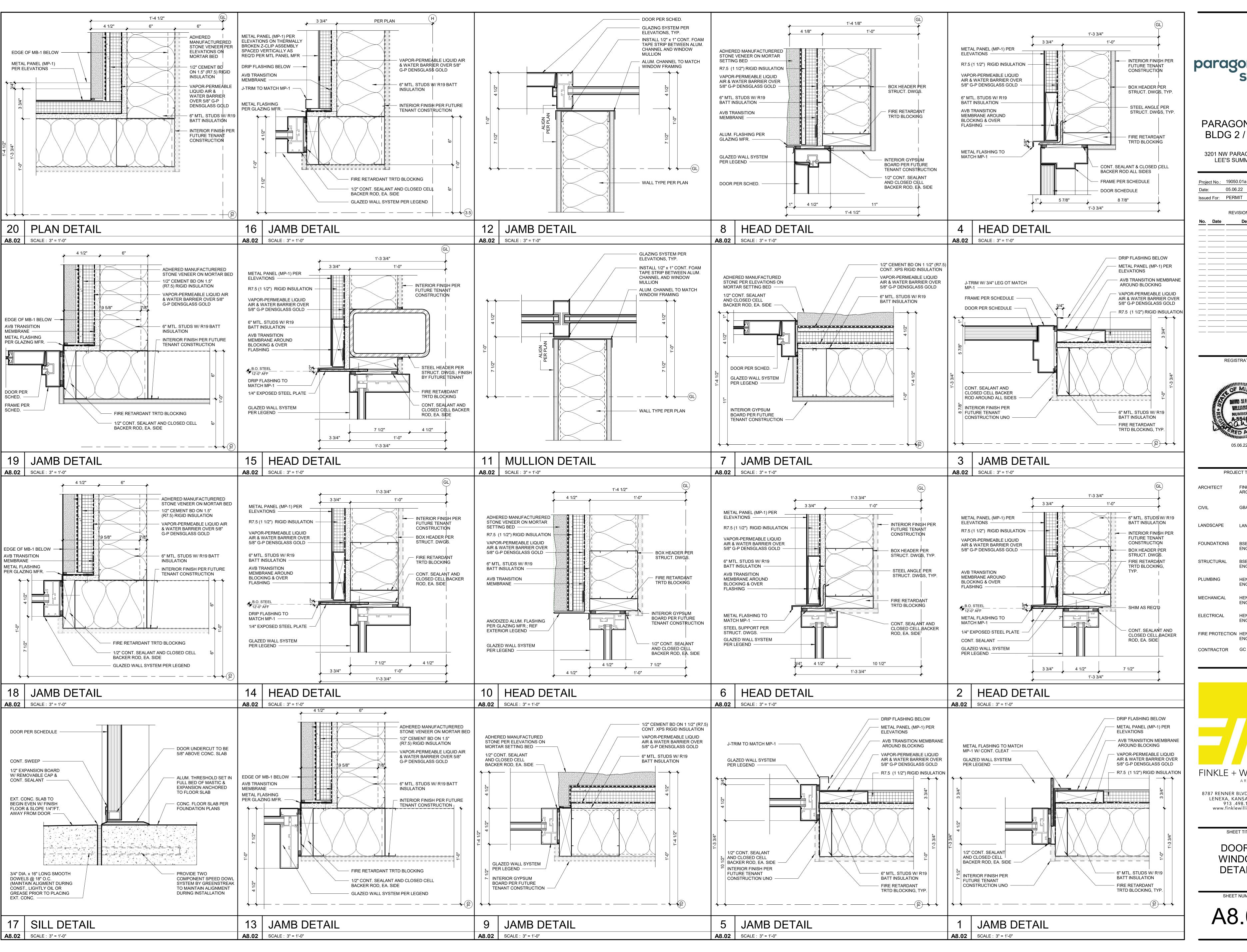
WALL STOP

SILENCERS

HINGES

MAGNETIC LOCK W/ MOTION DETECTOR (FAIL SECURE)

BATTERY BACKUP FOR MAGNETIC LOCK, CARD READER &



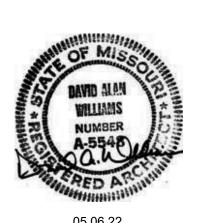


3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a 05.06.22 Issued For: PERMIT

REVISIONS

REGISTRATION



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



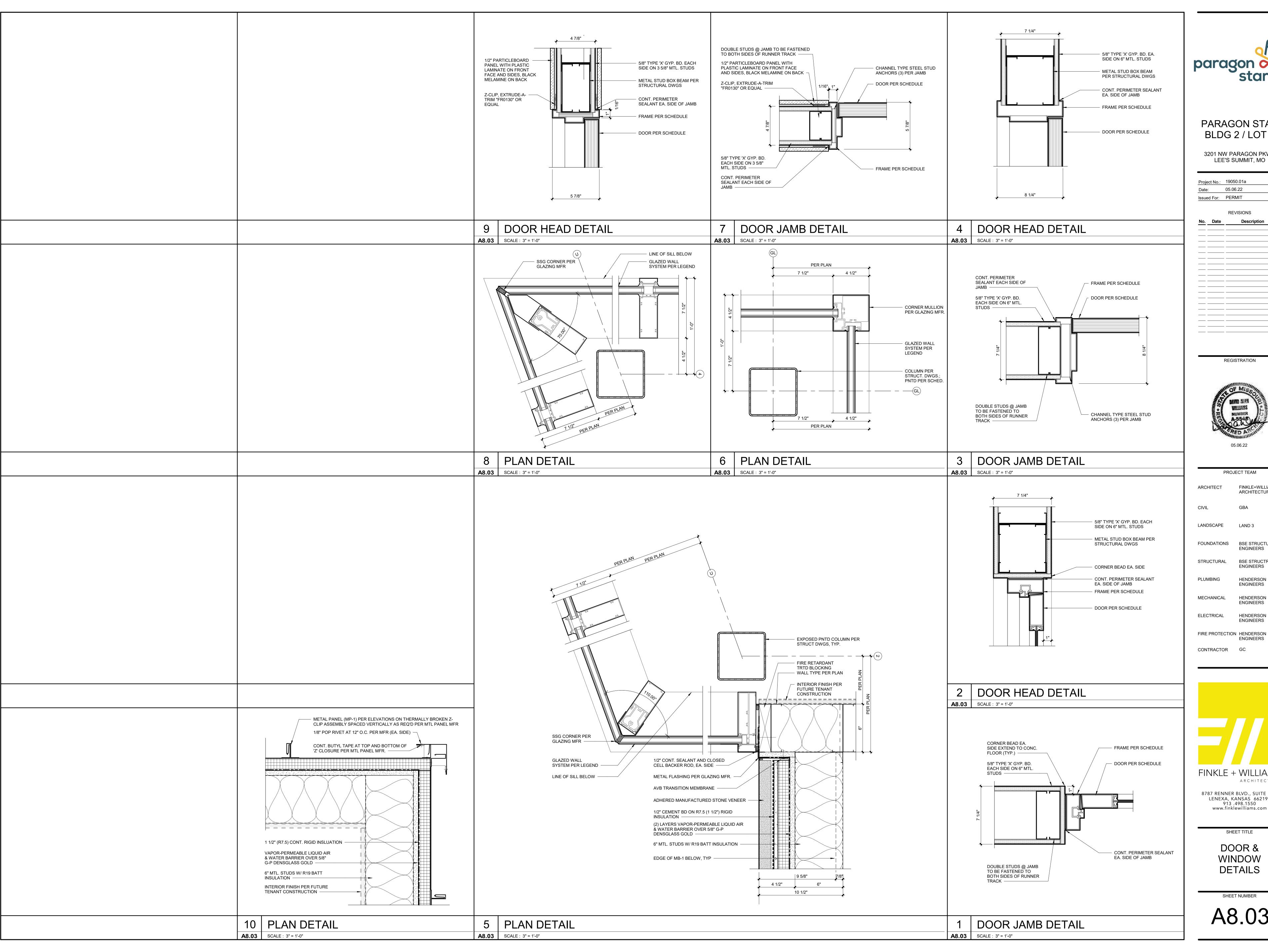
ARCHITECTURE 8787 RENNER BLVD., SUITE 100

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SHEET TITLE

DOOR & WINDOW **DETAILS**

SHEET NUMBER A8.02



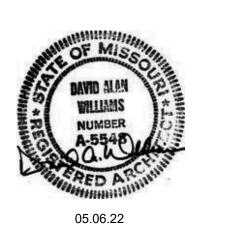


3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

REGISTRATION



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

FINKLE + WILLIAMS

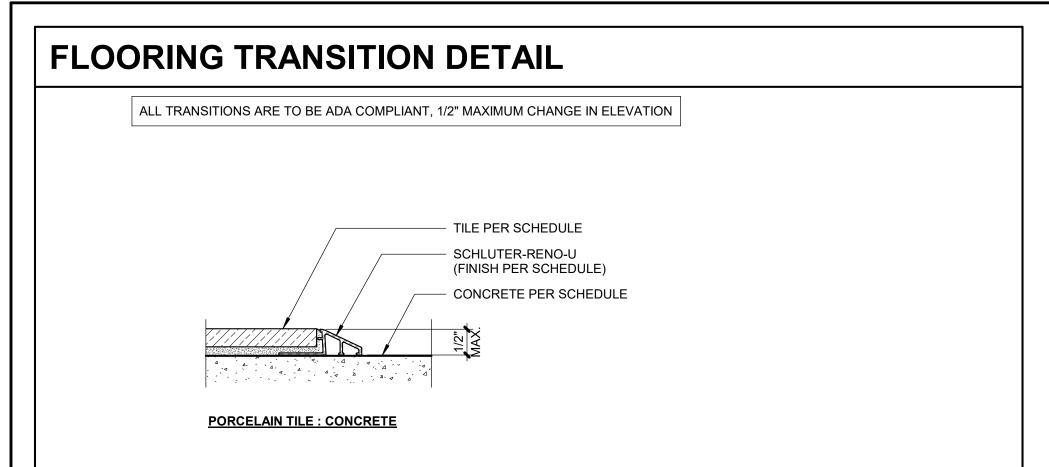
ARCHITECTURE 8787 RENNER BLVD., SUITE 100

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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.

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

RB: .125" THERMOPLASTIC RUBBER RESILIENT WALL BASE

CONTROFALDA NAT. RETT., SIZE: 3"x24" 88660R

- RB-01: MFR: ROPPE, SIZE: 4" COVE, COLOR: 123 CHARCOAL
- **TB:** 3" TILE BASE TO COORD. WITH FLOOR TILE
- TB-01: MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE

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.
- 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.
- 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.

ROOM FINISH SCHEDULE											
	ROOM	OM WALLS			LLS			MILL			
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	GB-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	-	-	-	
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	-	-	-	
204	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 A6.03
- (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.

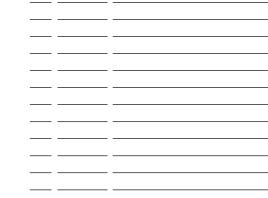


PARAGON STAR BLDG 2 / LOT 9

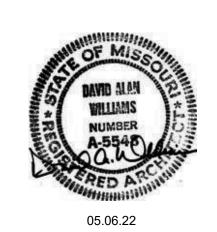
3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

Project No.:	19050.01a
Date:	05.06.22
Issued For:	PERMIT
	REVISIONS
No. Date	Description



REGISTRATION



PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE CIVIL LANDSCAPE LAND 3

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

HENDERSON

HENDERSON

ENGINEERS MECHANICAL HENDERSON

PLUMBING

ELECTRICAL

ENGINEERS FIRE PROTECTION HENDERSON

CONTRACTOR GC



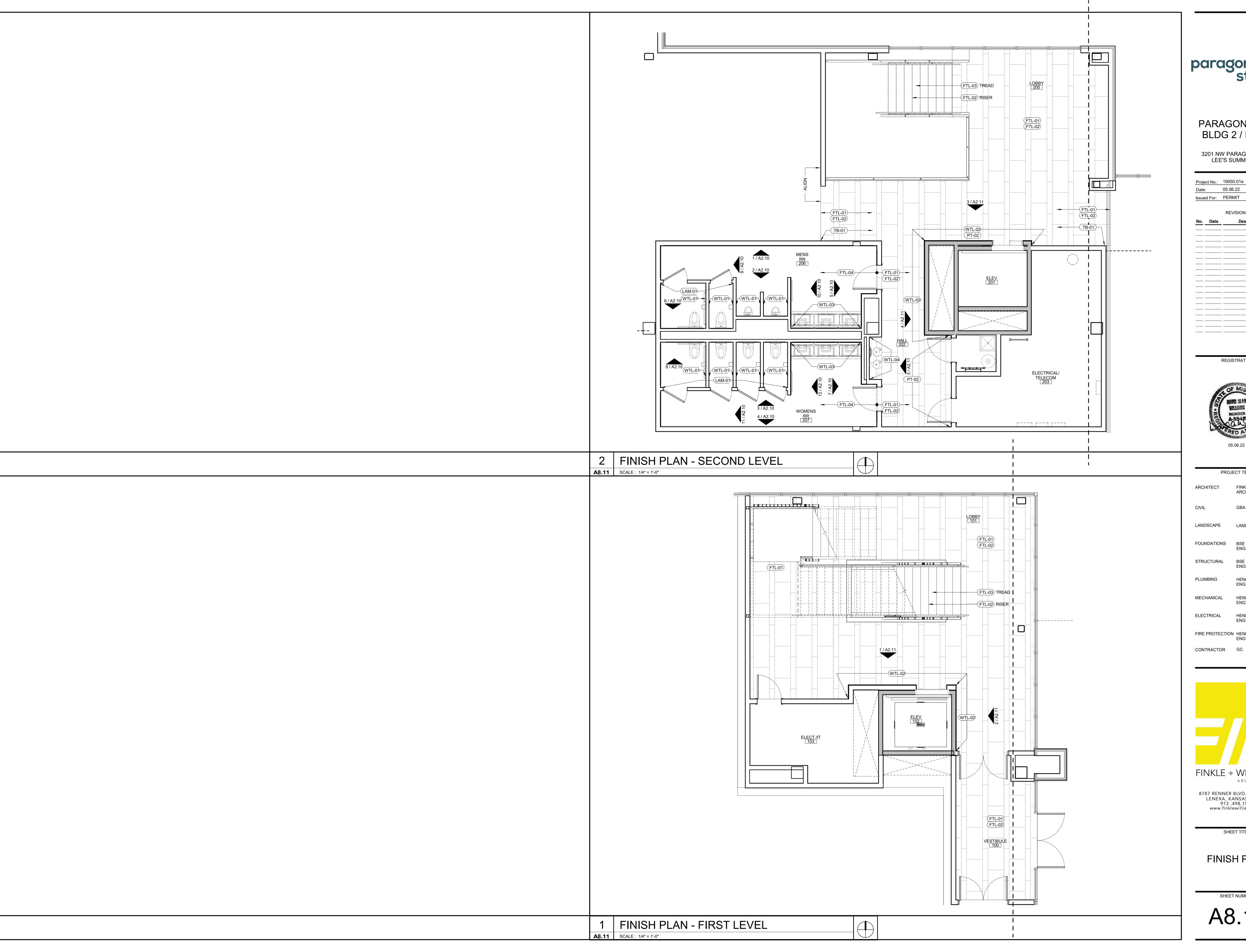
FINKLE + WILLIAMS ARCHITECTURE 8787 RENNER BLVD., SUITE 100 LENEXA, KANSAS 66219

> 913 .498.1550 www.finklewilliams.com

SHEET TITLE **FINISH**

SCHEDULE AND

DETAILS





3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Date: 05.06.22

REGISTRATION

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL **ENGINEERS**

STRUCTURAL BSE STRUCTRAL **ENGINEERS**

PLUMBING HENDERSON **ENGINEERS**

HENDERSON MECHANICAL HENDERSON

FIRE PROTECTION HENDERSON ENGINEERS

ENGINEERS

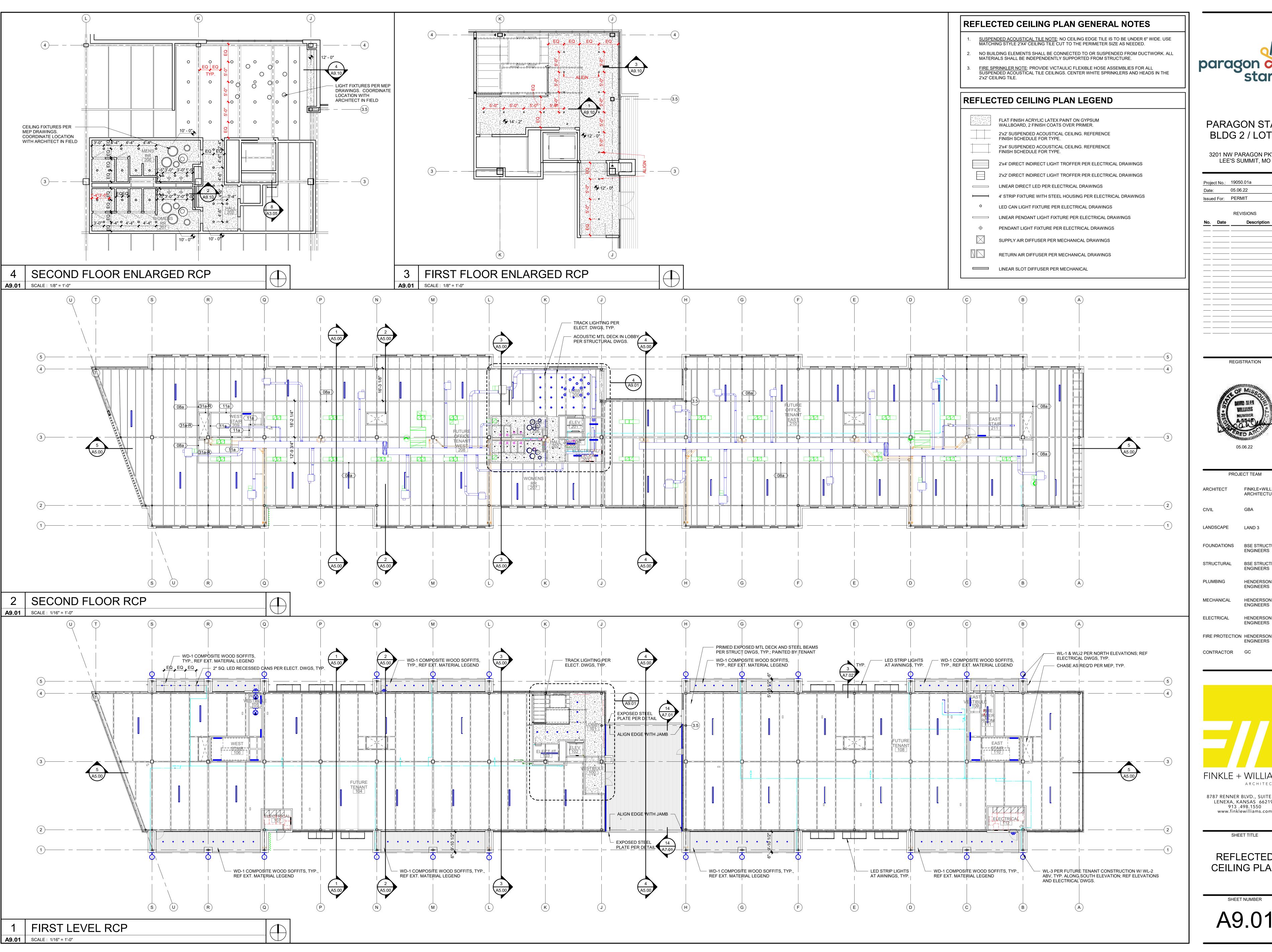
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SHEET TITLE

FINISH PLAN

SHEET NUMBER A8.11





3201 NW PARAGON PKWY

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Project No.: 19050.01a 05.06.22 Issued For: PERMIT

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PROJECT TEAM FINKLE+WILLIAMS

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL

STRUCTURAL ENGINEERS

HENDERSON **ENGINEERS** HENDERSON

ENGINEERS

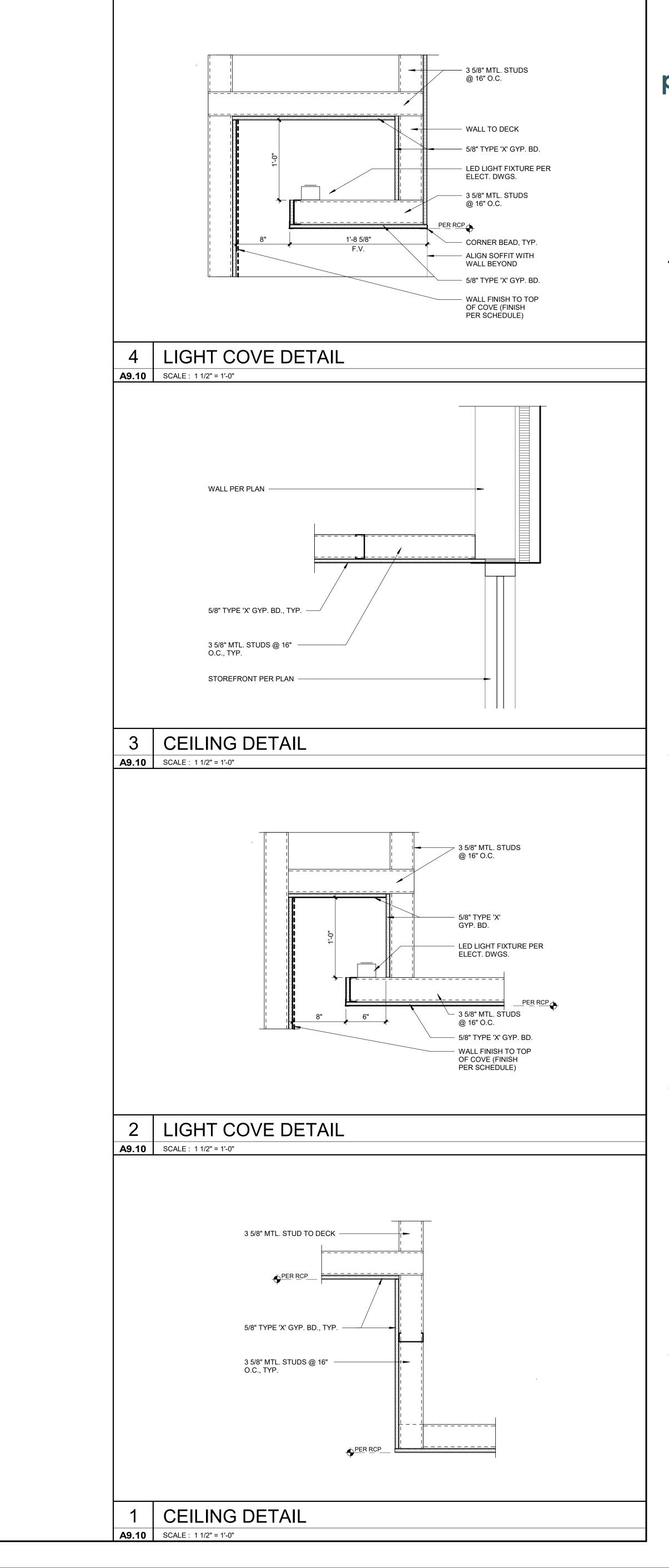
CONTRACTOR GC

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SHEET TITLE

REFLECTED **CEILING PLAN**





3201 NW PARAGON PKWY

Project No.: 19050.01a

Date: 05.06.22

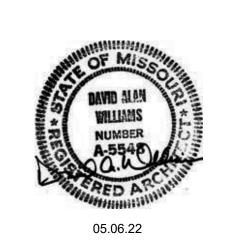
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LEE'S SUMMIT, MO

REVISIONS

Date Description

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

ELECTRICAL HENDERSON

ENGINEERS

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

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CEILING

SHEET TITLE

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 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. LINTELS: INSTALL LINTELS ABOVE ALL OPENINGS AND WHERE INDICATED WITH
- MINIMUM 8" BEARING AT EACH JAMB AND FILL CORES IN MASONRY UNDER EACH LINTEL BEARING FULL HEIGHT OF JAMB. <u>CLEANING</u>: 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

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.
- **CERTIFICATIONS:** a. ICC ES AC 51 ACCEPTANCE CRITERIA FOR MANUFACTURED STONE VENEER
- ACCESSORIES: a. 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. MESH WEEP HOLES: FREE DRAINING MESH MADE FROM POLYETHYLENE
- STRANDS FULL WIDTH OF HEAD JOINT AND 2 INCHES HIGH BY THICKNESS OF STONE MASONRY, IN COLOR SELECTED FROM MFR FULL RANGE. WEEP SCREED: PVC MATERIAL MEETING ASTM D 1784 FOR PVC COMPOUNDS, COLOR SELECTED FROM MFR FULL RANGE.
- GENERAL: DO NOT USE ADMIXTURES UNLESS OTHERWISE INDICATED.
- DO NOT USE CALCIUM CHLORIDE USE PORTLAND CEMENT-LIME MORTAR UNLESS OTHERWISE INDICATED. 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.
- 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 WEEP HOLES AT SHELF ANGLES, LINTELS, LEDGES, OTHER OBSTRUCTIONS TO DOWNWARD FLOW OF WATER IN WALL AND
- A. AT STUD FRAMED WALLS, EXTEND FLASHING THROUGH STONE MASONRY, UP SHEATHING FACE AT LEAST 12 INCHES AND BEHIND WEATHER BARRIER.
- 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' C. INSTALL SCRATCH COAT OVER METAL LATH 1/2"-3/4" THICK TO FULLY ENGAGE
- LATH, COMPLY WITH ASTM C926 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. TAP UNITS INTO PLACE, COMPLETELY FILLING SPACE BETWEEN UNITS AND SCRATCH COAT. RAKE OUT JOINTS FOR POINTING WITH MORTAR TO DEPTH OF NOT LESS THAN 1/2" BEFORE SETTING MORTAR HAS HARDNED. RAKE JOINTS TO UNIFORM
- G. CLEANING: CLEAN CULTURED STONE VENEER AS THE WORK PROGRESSES AND WHEN MORTAR IS THOROUGHLY SET AND CURED, CLEAN WITH A PROPRIETARY CLEANER APPROVED BY MANUFACTURER TO REMOVE EXCESS MORTAR

DEPTHS WITH SQUARE BOTTOMS AND CLEAN SIDES.

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.
- 1. 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

PRODUCT DATA

- 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.
- 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 COMPONENTS: A. GLAZING: FULLY TEMPERED ASTM C 1048 KIND FT. QUALITY Q3. MONOLITHIC
- REQUIREMENTS. COLOR: CLEAR. POLISHED EDGE
- GLASS SUPPORT BASES: STANDARD EXTRUDED ALUMINUM BASE FOR 1/2" GLASS -MODEL 810A, 3/4" GLASS - MODEL 813. TOP MOUNT OR SIDE MOUNT BASE TO 1/2" 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" O.C. FOR CONCRETE.
- 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
- E. HANDRAIL BRACKETS TO BE STAINLESS STELL. D. FABRICATION: ALL METAL FABRICATION TO BE PERFORMED BY A SIGNLE SOURCE FABRICATOR.

SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR SPECIFICATIONS RELATED TO STRUCTURAL

- SHEATHING, AND BUILDING WRAP.
- EXPOSED FRAMING: NO. 1 OR NO. 2,
- PANEL PRODUCTS: DOC PS 2. PROVIDE PLYWOOD COMPLYING WITH DOC PS 1 WHERE
- PLYWOOD IS INDICATED AND AS FOLLOWS:
- FACINGS. FOAM PLASTIC CORE AND FACINGS SHALL HAVE A FLAME SPREAD OF 25 OR LESS WHEN TESTED INDIVIDUALLY.
- PLYWOOD: EXTERIOR OR EXPOSURE 1, STRUCTURAL I ORIENTED STRAND BOARD: EXPOSURE 1, STRUCTURAL I
- 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
- 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). METAL FRAMING ANCHORS: HOT-DIP GALVANIZED STEEL OF STRUCTURAL CAPACITY,
- TYPE 1 (NO. 15 ASPHALT FELT), UNPERFORATED.
- 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
- WALL STUD PARTITIONS THAT ARE PARALLEL TO FLOOR JOISTS. FRAME OPENINGS WITH TWO OR MORE STUDS AT EACH JAMB AND SUPPORT HEADERS
- 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
- 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
- 10. INSTALL FLOOR SHEATHING PERPENDICULAR TO FLOOR JOISTS WITH ENDS OVER FIRM BEARING. GLUE AND NAIL SHEATHING TO EACH JOIST.

SAMPLES OF FINISH MATERIALS, CATALOG CUTS OF HARDWARE, AND SHOP DRAWINGS INCLUDING DIMENSIONED PLANS, ELEVATIONS, AND SECTIONS.

- HARDBOARD: AHA A235.4

BEARING AND STAGGERED.

- MEDIUM DENSITY FIBERBOARD: ANSI A208.2, GRADE MD, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE. PARTICLEBOARD: ANSI A208.1, GRADE M-2
- 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.
- HINGES: CONCEALED (EUROPEAN-TYPE) BHMA A156.9 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
- HARDWARE FINISH: SATIN STAINLESS STEEL: BHMA 630 COMPLETE FABRICATION BEFORE SHIPPING TO PROJECT SITE TO MAXIMUM EXTENT FEASIBLE. DISASSEMBLE ONLY AS NEEDED FOR SHIPPING AND INSTALLING. WHERE
- BACKOUT AND GROOVE BACKS OF FLAT MEMBERS, KERF BACKS OF OTHER WIDE, FLAT MEMBERS, EXCEPT WHERE ENDS WILL BE EXPOSED IN FINISHED WORK. INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH: CUSTOM GRADE, SPECIES
- - 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
- ON STAINLESS STL. PINS
- AWI TYPE OF CABINET CONSTRUCTION: FLUSH OVERLAY, UNLESS NOTED OTHERWISE ON
- LAMINATE CLADDING: a. VERTICAL SURFACES: HGS UNLESS NOTED BELOW ELEVATOR CABS: FIRE RATED 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
- WITH LIGHT COLOR LAMINATES (CONFIRM WITH ARCHITECT) SHELVING AND SUPPORTS: HIGH PRESSURE LAMINATE TO MATCH MELAMINE SUPPORTED ON STAINLESS STL. PINS
- H. <u>FLUSH WOOD PANELING FOR TRANSPARENT FINISH:</u>

SHOP FINISHING OF WOODWORK

- 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 PERMITTED)
- 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
 - FINISH WITH AWI SYSTEM [TR-0 SYNTHETIC PENETRATING OIL] [TR-4, CONVERSION VARNISH] [TR-5, CATALYZED VINYL LACQUER] [TR-6, CATALYZED POLYURETHANE

064023 INTERIOR ARCHITECTURAL WOODWORK (CONT.)

- 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 TO GREATEST EXTENT POSSIBLE. STAGGER JOINTS IN ADJACENT AND RELATED
- ANCHOR PANELING WITH CONCEALED PANEL-HANGER CLIPS AND BY BLIND NAILING ON BACK-UP STRIPS, SPLINE-CONNECTION STRIPS, AND SIMILAR ASSOCIATED TRIM AND

- END DIVISION 6 -

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

A. <u>SUBMITTALS:</u> PRODUCT DATA AND PRODUCT TEST REPORTS

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

- B. <u>QUALITY ASSURANCE:</u> MANUFACTURER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED WATERPROOFING MANUFACTURER.
- C. <u>WATERPROOFING MATERIALS:</u> 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. PROTECTION COURSE: BASIS OF DESIGN CCW-PROTECTION BOARD PERIMETER DRAINAGE SYSTEM: BASIS OF DESIGN - CCW MIRADRAIN HC.
- PROVIDE CLEAN, DUST-FREE, AND DRY SUBSTRATES FOR WATERPROOFING
- 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

- A. <u>SUBMITTALS:</u> PRODUCT DATA AND PRODUCT TEST REPORTS
- B. <u>QUALITY ASSURANCE:</u> 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 d. FASTENER SEALABILITY: NO WATER LEAKING THROUGH NAIL PENETRATIONS AFTER 24 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 OM 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

INSTALLATION: AIR BARRIERS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S

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

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

B. <u>SURFACE BURNING CHARACTERISTICS</u>

GLASS MAT: LIQUIFIBER-W

- FLAME SPREAD INDEX: 25 OR LESS SMOKE DEVELOPED INDEX: 50 OR LESS IN EXPOSED AREAS AND PLENUMS; 450 OR LESS WHERE CONCEALED.
- EXTRUDED POLYSTYRENE RIGID (XPS) BOARD INSULATION: a. LOCATIONS: TO BE USED BEHIND ADHERED STONE MASONRY WALL ASSEMBLY AND BELOW GRADE. b. 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

PAST FLOOR SLAB. 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

C. <u>PRODUCTS:</u>

- 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

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.

CORE MATERIAL: FIRE RESISTANT

THICKNESS: 4MM (0.157")

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

ALUMINUM FACE SHEETS: THICKNESS (0.020"), ALLOY (3000 SERIES)

CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT: COMPLYING WITH AAMA 2604, APPLIED BY MANUFACTURER COLOR: AS INDICATED IN DRAWINGS.

075423 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

- 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 80 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 NTENDED USE AND AS FOLLOWS:
 - SHEET FLASHING: SAME THICKNESS AND COLOR AS SHEET MEMBRANE. BONDING ADHESIVE: TYPE AS RECOMMENDED BY MANUFACTURER MISCELLANEOUS ACCESSORIES: PROVIDE POURABLE SEALERS, PREFORMED CONE

AND VENT SHEET FLASHINGS, PREFORMED INSIDE AND OUTSIDE CORNER SHEET

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

- ACCESSORIES.
- POLYISOCYANURATE BOARD INSULATION: ASTM C 1289, TYPE II MINIMUM R-VALUE: AS INDICATED IN DRAWINGS UTILIZE MIN. (2) LAYERS TO ACHIEVE R-VALUE, STAGGER JOINTS.
- PROVIDE PREFORMED SADDLES, CRICKETS, TAPERED EDGE STRIOS, AND OTHER INSULATION SHAPES WHERE INDICTED FOR SLOPING TO DRAIN. FABRICATE TO SLOPES

FABRICATE TAPERED INSULATION WITH SLOPE OF 1/4"/FOOT UNLESS OTHERWISE

- 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 APPROVED EQUAL. 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
- 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
- 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

SUBSTRATES. PROTECT ROOFING FROM DAMAGE AND WEAR DURING REMAINDER OF

PERFORMANCE STANDARD: PROVIDE ROOF ASSEMBLIES THAT COMPLY WITH UL 580 FOR

REPLACE METAL ROOF PANELS THAT FAIL TO REMAIN WATERTIGHT WITHIN 10 YEARS

SPACING REQUIRED BY MANUFACTURER TO COMPLY WITH WIND UPLIFT

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

ANY CONTAMINANTS (ADHESIVE, DIRT, DEBRIS, ETC.) IN THE SEAM. THE ENTIRE LAP

074113.16 METAL ROOF PANELS

REQUIREMENTS.

CONSTRUCTION PERIOD.

A. <u>SUBMITTALS:</u> PRODUCT DATA, SHOP DRAWINGS, AND COLOR SAMPLES

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

SYSTEM AS ADJACENT METAL ROOF PANELS.

- LASS 90 WIND-UPLIFT RESISTANCE. C. <u>WARRANTIES:</u> PROVIDE MANUFACTURER'S STANDARD WRITTEN WARRANTY, WITHOUT MONETARY LIMITATION, SIGNED BY MANUFACTURER AGREEING TO PROMPTLY REPAIR OR
- METAL ROOF PANELS:

 1. ROOF PANEL TYPE: STANDING SEAM

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)]

- 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.
- 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. PROVIDE COMPONENTS REQUIRED FOR A COMPLETE ROOF PANEL ASSEMBLY

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

FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS. 2. FLASHING AND TRIM: FORMED FROM 0.0179" (0.045mm) THICK, ZINC-COATED (GALVANIZED) STEEL SHEET OR ALUMINUM-ZINC ALLOY-COATED STEEL SHEET. PROVIDE FLASHING AND TRIM AS REQUIRED TO SEAL AGAINST WEATHER AND TO PROVIDE FINISHED APPEARANCE. FINISH FLASHING AND TRIM WITH SAME FINISH

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

UNDERLAYMENT: SELF-ADHERING POLYETHYLENE-FACED, POLYMER-MODIFIED, BITUMINOUS SHEET ASTM D 1970; 40 MILS (1mm) THICK OR ASPHALT SATURATED ORGANIC FELT ASTM D 226, TYPE II (NO. 30) 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.

COMPOUNDED FOR 15-MIL (O.4mm) DRY FILM THICKNESS PER COAT. INSTALL UNDERLAYMENT ON ROOF SHEATHING UNDER METAL ROOF PANELS, UNLESS OTHERWISE RECOMMENDED BY METAL ROOF PANEL MANUFACTURER AND APPLY SLIP SHEET OVER UNDERLAYMENT. 2. ANCHOR PANELS SECURELY IN PLACE WITH PROVISIONS FOR THERMAL AND

STRUCTURAL MOVEMENT. INSTALL WITH CONCEALED FASTENERS UNLESS

EXTERIOR AND GALVANIZED FOR SURFACES EXPOSED TO THE INTERIOR.

4. USE BITUMINOUS COATING TO SEPARATE DISSIMILAR METALS AND WHERE

WHERE REQUIRED FOR WEATHERPROOF PERFORMANCE OF ASSEMBLIES.

ALUMINUM PANELS WILL CONTACT WOOD, FERROUS METAL OR CONCRETE

OTHERWISE INDICATED USING STAINLESS STEEL FOR SURFACES EXPOSED TO THE

INSTALL MANUFACTURER RECOMMENDED GASKETS, JOINT FILLERS, AND SEALANTS

BITUMINOUS COATING: COLD-APPLIED ASPHALT MASTIC, SSPC-PAINT 12,

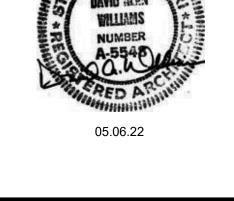
PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY

LEE'S SUMMIT, MO Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS

_____ _____

REGISTRATION



PROJECT TEAM

BSE STRUCTURAL

HENDERSON

ENGINEERS

HENDERSON

ENGINEERS

FINKLE+WILLIAMS ARCHITECT ARCHITECTURE CIVIL

LANDSCAPE LAND 3

ENGINEERS BSE STRUCTRAL STRUCTURAL **ENGINEERS**

PLUMBING

ELECTRICAL

FOUNDATIONS

HENDERSON MECHANICAL **ENGINEERS**

FIRE PROTECTION HENDERSON

CONTRACTOR GC

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

ARCHITECTURE

PROJECT

SHEET NUMBER

SHEET TITLE

- END DIVISION 5 -

- TEMPERED THICKNESS 1/2"-3/4" MIN. REQUIRED TO MEET ALL STRUCTURAL

<u>DIVISION 6 - WOOD AND PLASTICS</u>

061000 ROUGH CARPENTRY

- LUMBER, ENGINEERED WOOD PRODUCTS, PANEL PRODUCTS, FASTENERS, AND ACCESSORIES
- PRODUCT DATA FOR TREATED WOOD, ENGINEERED WOOD PRODUCTS, FOAM PLASTIC
- **LUMBER: PROVIDE S4S, 19 PERCENT MAXIMUM MOISTURE CONTENT FOR 2-INCH NOMINAL** THICKNESS OR LESS, MARKED WITH GRADE STAMP OF INSPECTION AGENCY OF THE
- INTERIOR PARTITION FRAMING: STANDARD, STUD, OR NO. 3 GRADE MISCELLANEOUS LUMBER FOR NAILERS, BLOCKING, AND SIMILAR CONSTRUCTION: STUD,
- OR NO. 3 GRADE
- 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
- ROOF SHEATHING, WHERE INDICATED ON DRAWINGS
- 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
- 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 AWPA 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
- BUILDING PAPER: ASPHALT SATURATED ORGANIC FELT COMPLYING WITH ASTM D 226 AIR BARRIERS: AIR-RETARDER SHEETING OR FLUID APPLIED COATING DESIGNED TO

 - BY APPLICABLE CODES AND AFPA WCD 1 T11. CONSTRUCT DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS AND UNDER
- WHERE WALL HUNG ITEMS WILL REQUIRE A SUBSTRATE FOR FASTENING OR SUPPORT. INSTALL ROOF SHEATHING PERPENDICULAR TO FRAMING MEMBERS WITH ENDS
- 064023 INTERIOR ARCHITECTURAL WOODWORK
- B. QUALITY ASSURANCE: ARCHITECTURAL WOODWORK INSTITUTE'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS"
 - SOFT PLYWOOD: DOC PS 1
- HARDWARE: COMPLY WITH BHMA A156

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

- WOOD CABINETS FOR TRANSPARENT FINISH: GRADE: PREMIUM
 - LIGHT VENEERS (CONFIRM WITH ARCHITECT) SHELVING AND SUPPORTS: HIGH PRESSURE LAMINATE TO MATCH MELAMINE SUPPORTED
- WALL PANELS AND WAINSCOTING: HIGH-WEAR LAMINATE b. HORIZONTAL SURFACES: HGS UNLESS NOTED BELOW RECEPTION COUNTERS AND TRANSACTION TOPS: HIGH-WEAR LAMINATE
- GRADE: PREMIUM VENEER MATCHING: SLIP AND BALANCE
- STAINING AND FINISHING. AFTER STAINING, IF ANY, APPLY PASTE WOOD FILLER TO OPEN-GRAIN WOODS AND WIPE OFF EXCESS. TINT FILLER TO MATCH STAINED WOOD.

<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 FOAM" ARE PROHIBITED.

- 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.
- INSTALLATION: 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 -

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 3. 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. 1. 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

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

PRIMER: MANUFACTURER'S STANDARD FACTORY APPLIED COAT OF RUST-INHIBITIVE

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

PRIMER COMPLYING WITH ANSI A250.10.

- 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

MORTISED INTO DOOR EDGE.

a. COLOR: CUSTOM COLOR

- 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

- 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
- 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.
 - 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

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

INSTALLATION: MOUNT HARDWARE IN LOCATIONS RECOMMENDED BY THE DOOR AND HARDWARE INSTITUTE, UNLESS OTHERWISE INDICATED.

- 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 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% SOLAR HEAD GAIN COEFFICIENT: 0.27
- 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.
- 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>

ROLLED ZINC, OR PLASTIC

LAYER CONTAINING THE REVEALS.

- 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"

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

- 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
- 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,
- 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

REVEALS AND MOLDINGS: EXTRUDED ALUMINUM WITH CLASS II CLEAR ANODIZED SOUND-ATTENUATION BLANKETS: ASTM C 665, TYPE I (UNFACED)

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

- 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 DECORATIVE REVEALS ARE INDICATED IN A RATED ASSEMBLY, PROVIDE ADDITIONAL LAYERS
- 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 INDEPENDENT TESTING AND INSPECTING AGENCY.

(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.
 - 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. <u>ATTIC STOCK</u>: 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 BACKER BOARD)

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.

- SUBMITTALS: PRODUCT DATA FOR SETTING AND GROUTING MATERIALS AND THREE (3)
- SAMPLES OF EACH TILE SPECIFIED FOR VERIFICATION PURPOSES. 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.
- LIMESTONE: COMPLY WITH ASTM C568, CLASSIFICATION II (MEDIUM DENSITY), OR CLASSIFICATION III (HIGH DENSITY MARBLE: COMPLY WITH ASTM C 503, CLASSIFICATION I (CALCITE), OR

1. GRANITE: COMPLY WITH ASTM C 615,

FOR ALTERNATE METHOD.

- CLASSIFICATION II (DOLOMITE). 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)
- SETTING AND GROUTING MATERIALS: COMPLY WITH THE MATERIALS STANDARDS IN 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 SLAB) IF FLOOR IS SUBJECT TO MOVEMENT AND DEFLECTION CONTACT ARCHITECT
- 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)

ACCORDING TO SEALER MANUFACTURER'S WRITTEN INSTRUCTIONS.

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

TILE PRODUCT AND SUBSTRATE CONDITIONS, UNLESS NOTED OTHERWISE.

TILE PATTERN: LAY TILE IN PATTERNS AS INDICATED IN THE CONSTRUCTION

JOINT SIZE: SET TILE WITH THE SMALLEST GROUT JOINT ACHIEVABLE BASED ON THE

095123 ACOUSTICAL TILE CEILINGS

- A. <u>SUBMITTALS</u>: PRODUCT DATA
- B. ATTIC STOCK: FURNISH 2% OF EACH TYPE OF CEILING TILE PACKAGED WITH PROTECTIVE COVERING 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
- 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

SYSTEMS, AND OTHER AREAS AS INDICATED.

- 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.

BASE INSTALLATION.

- 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

6. FIELD-CUT EDGES SHALL MATCH PROFILE OF FACTORY EDGES.

PROTECTIVE COVERING AND LABELED FOR STORAGE. RESILIENT WALL BASE: ASTM TYPE TS (RUBBER, VULCANIZED THERMOSET) 1/8" THICK,

TILE IS EXPOSED AS INDICATED IN THE FINISH SCHEDULE.

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

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

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

097200 WALL COVERINGS

- 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
- CONSTRUCTION DOCUMENTS WITH FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF NOT 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, INCLUDING MOLD, MILDEW, OIL, GREASE, INCOMPATIBLE PRIMERS AND DIRT AND PRIME PRIME NEW GYPSUM BOARD WITH PRIMER RECOMMENDED BY WALLCOVERING

DOCUMENTS. MATCH OR RANDOM MATCH PATTERN AND REVERSE HANG WHEN

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

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

- ACCLIMATIZE WALLCOVERING MATERIALS BY REMOVING THEM FROM PACKAGING IN THE 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
- SOFFITS, CONTACT ARCHITECT FOR INSTRUCTIONS ON FINISHING OF VERTICAL FACES. CLEANING: REMOVE EXCESS ADHESIVE AT FINISHED SEAMS, PERIMETER EDGES, AND ADJACENT SURFACES USING CLEANING METHODS RECOMMENDED BY WALLCOVERING

INDICATED IN MANUFACTURER'S INSTRUCTIONS

097720 FIBERGLASS REINFORCED PLASTIC PANELS (FRP) A. INSTALL FRP PANELS TO 8'-0" HIGH AND INCLUDING TRIM AND ACCESSORIES HIGH ON ALL

MANUFACTURER.

- 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 COMPATIBLE WITH ONE ANOTHER AND WITH SUBSTRATES.

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

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

OTHER SURFACE IMPERFECTIONS. 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

ROLLERS FOR FINISH COAT ON INTERIOR WALLS AND CEILINGS.

- 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

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

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

GALVANIZED METAL PRIMER - END DIVISION 9



PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY

LEE'S SUMMIT, MO

Project No.: 19050.01a 05.06.22 Issued For: PERMIT REVISIONS ____ _____

REGISTRATION



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PROJECT

SHEET TITLE

SHEET NUMBER

ARCHITECTURE 8787 RENNER BLVD., SUITE 100

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

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 ACCESSORIES:

SELECTED FOM MANUFACTURER'S FULL AVAILABLE RANGE.

a. ECOFABRIX: 253-89 (GRAY BLACK)

- 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
- **CAR ENCLOSURES AND ENTRANCES:**
- DOOR, FRAME, AND FRONT WALL INCLUDING CONTROL PANEL: ASTM A666, TYPE 304. STAINLESS STEEL, WITH NO. 4 SATIN FINISH, BOTH FACES. DOOR FRAME SHALL HAVE
- 11/2-2" WIDE FACES.
- REAR AND SIDE WALLS: a. REINFORCED ENAMELED STEEL CAB WALLS PREPARED FOR CUSTOM APPLIED
- 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.

FINISHES AND WITH SOUND DEADENING MATERIAL APPLIED TO THE EXTERIOR OF

- 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

- 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 GYPSUM BOARD CEILINGS.



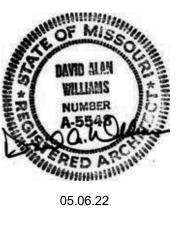
PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY LEE'S SUMMIT, MO

Project No.: 19050.01a

Date:		05.06.22
Issue	d For:	PERMIT
		REVISIONS
No.	Date	Description
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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 GC



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

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SHEET TITLE

PROJECT SPECIFICATIONS

 ACI 318-16 ACI 530-16 AISC 360-15

ANSI / AWC NDS-18

AISI S100-16

 Dead Load: 20 psf
 Occupancy: 0.098 g Live Load: 20 psf 0.068 g M.E.P. Zone: 0.105 g Dead Load: 65 psf Floor Loads: Seismic Design Category: • Dead Load: 65 psf • Pf: Seismic Force- Resisting System: S.O.M.F. Office Live: 80 psf Ce: Design Base Shear: CsW 1.1 Cs: 0.0373 1.0 • R: Drift Load: Per Plan Analysis Procedure Used: E.L.F.P.

Design Loading Notes:

1. Dead load shown includes collateral load of 4 psf and solar load of 6 psf. 2. See components and cladding table for design wind pressures. 3. See net uplift diagram for roof framing due to wind pressures.

	COMPONENTS	& CLADDIN	G WIND PRE	ESSURES
0.6h√		Effective Wind Area	Max. +VE Pressure	MaxV Pressure
77.00.01	Zone	(sq ft)	(psf)	(psf)
1 1 1 o	1 - Roof Interior	10	16.0	-38.7
	1 - Roof Interior	20	16.0	-36.2
*	1 - Roof Interior	50	16.0	-32.8
	1 - Roof Interior	≥ 100	16.0	-30.2
Zone 1' 0.2h	2 - Roof Edge	10	22.2	-51.1
Zone 1	2 - Roof Edge	20	21.3	-47.8
Zone 2	2 - Roof Edge	50	20.0	-43.4
Zone 3	2 - Roof Edge	≥ 100	19.0	-40.2
	3 - Roof Corner	10	22.2	-51.1
	3 - Roof Corner	20	21.3	-47.8
	3 - Roof Corner	50	20.0	-43.4
	3 - Roof Corner	≥ 100	19.0	-40.2
	4 - Wall Interior	10	22.2	-24.1
	4 - Wall Interior	20	21.3	-23.1
	4 - Wall Interior	50	20.0	-21.8
	4 - Wall Interior	≥ 100	19.0	-20.8

4 - Wall Interior ≥ 500 16.7 -18.5

5 - Wall Edge 50 20.0 -25.1

5 - Wall Edge ≥ 100 19.0 -23.1

a = 17'-6"

= 8 psf

= 14 psf

Net Uplift diagram for Joists & Joists Girders

(Pressures shown are service level.)

5 - Wall Edge ≥ 500 16.7 -18.5

21.3

5 - Wall Edge 20

Components & Cladding Wind Zone Diagram

1. The components & cladding (C&C) wind pressures shown assume a mean roof height of 32'-0" above finished floor elevation. All components shall be designed to resist the provided pressures, which shall be clearly defined on all shop drawings. Refer to wind zone diagram for zone locations. Plus and minus signs signify pressures acting toward and away from surfaces, respectively.

2. The components & cladding wind zone diagram is generalized to show all possible conditions. The diagram shape may not match the specific layout for this project.

3. a = 17'-6"

Internal Pressure Coefficient = ±0.18

1. The structural systems shown on these documents have been designed for the final, in place usage of the structure based on the intended occupancy and code requirements. While general constructability has been considered, the structural systems have not been designed to accommodate specific construction means and methods that might be utilized by the Contractor.

2. The Contractor shall field verify all existing dimensions prior to fabrication.

3. The Contractor shall notify the Engineer of any observed discrepancies in dimensions, detailing, or other items as shown on the plans or specified prior to proceeding with work relating to said discrepancies.

4. The Contractor shall not alter or modify work shown on the structural drawings without receiving written approval from the Engineer. 5. The Contractor shall be responsible for supplying shop drawings for joist girders, bar joists, structural steel,

6. See architectural, mechanical, and electrical drawings for other pertinent information related to the

metal deck, reinforcing steel and concrete mix designs. Shop drawings must be reviewed for conformance with the means, methods, techniques, sequences, and operations of construction, and safety precautions and programs incidental thereto, all of which are the sole responsibility of the Contractor, and shall be stamped "approved" by the Contractor prior to submittal. Shop drawings submitted without the Contractor's stamped approval will be returned "rejected". All shop drawings shall be reviewed by the Structural Engineer prior to

structural work and coordinate as required. These structural drawings are intended to be included in a complete set of construction documents, including but not limited to, architectural drawings, civil drawings, and mechanical/electrical/plumbing drawings. Contractor shall verify coordination of these drawings with contents of above drawing sets specified and only proceed with bidding and construction after such has taken place. 7. The building and the independent structural components shown in these documents are not structurally

stable until all connections, framing, shear walls, diaphragms, permanent bracing, metal decking, interior and

exterior concrete slabs on grade, and exterior or interior load-bearing walls are complete and have achieved

their design strength. Contractor is solely responsible for maintaining structural stability during erection and construction. Temporary bracing systems shall remain in place until all structural work is complete. 8. The Contractor is responsible for verifying all existing dimensions and conditions of the existing building and

reporting discrepancies from the assumed conditions shown on the structural drawings to the Engineer of record prior to fabrication and erection of any member.

9. The Contractor shall coordinate the roof drainage system with the Architect as required to ensure that no more than 3 1/2" of water can accumulate before entering an overflow drainage system.

Structural Engineer Site Observations:

1. The contract structural drawings & specifications represent the finished structure, and, except where specifically shown, do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, and sequence.

2. The Engineer shall not have control nor charge of and shall not be responsible for, construction means, methods, omission of the Contractor, subcontractor, or any other persons performing any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents.

3. Periodic site observation by field representatives of BSE Structural Engineers LLC. is solely for the purpose of determining if the work of the Contractor is proceeding in general accordance with the structural contract documents. This limited site observation should not be construed as exhaustive or continuous to check the quality or quantity of work, but rather periodic in an effort to guard the Client against defects or deficiencies in the work of the Contractor.

1. Welded wire fabric shall be supplied in sheets only. Rolls will not be permitted. (As required on construction

2. Welded wire fabric shall be supported on chairs or blocks prior to concrete placement. Mesh shall not be hooked and pulled up during concrete placement. (As required on construction documents.)

3. Welded wire fabric shall have end and edge laps of one full mesh plus 2" between cross wires. Wire all laps securely together.

4. Welded wire fabric shall conform to ASTM A1064.

5. Floor finish requirements: Slab-on-grade shall be finished to overall floor flatness, overall floor levelness, local floor flatness, and local floor levelness requirements as defined by the Owner. Coordinate requirements as required with G.C. prior to slab-on-grade placement. Floor finish requirements to be determined in accordance with ASTM E

Foundations:

Foundations for this project have been designed in accordance with requirements set forth in a geotechnic addendum prepared by Terracon Consultants (Project #02195181.0, ACIP pile foundations dated June 28, 2021.) This is an addendum to geotechnical report (Project #02195181 Drilled Shafts dated August 2, 2019). Augered, cast in place (ACIP) piles have been designed for an allowable soil bearing value of 40,000 psf. The Contractor shall refer to the Geotechnical Report for all requirements and recommendations pertinent to this project.

2. Anchor rods shall conform to ASTM F1554 Gr. 36 (U.N.O.) and shall be located by means of a template. Provide a nut above and below template to assure proper vertical alignment.

3. All foundations shall be square and level.

4. Grout shall be dry and stiff to prevent shrinkage, with a minimum compressive strength of 4000 psi. Grout below column base plates and precast panels as required. Thoroughly compact grout beneath base plates.

Concrete and Reinforcing Steel:

1. Concrete mix designs shall meet the following requirements:

	Minimum	Max.	Max.		
	Compressive	Aggregate	Water/Cement	Slump	
Location	Strength (psi)	Size	Ratio	(in.)	Air Entrainment (%)
Interior Slabs	4000	3/4"	0.50	4 ± 1	0
Exterior Slabs	3500	3/4"	0.50	4 ± 1	6 ± 1
Interior Foundations	3000	1"	0.50	4 ± 1	0
Perimeter Foundations	3000	1"	0.50	4 ± 1	6 ± 1
Exterior Walls & Pedestals	4000	3/4"	0.50	4 ± 1	6 ± 1
Composite Floor Slab	4000	1/2"	0.48	4 ± 1	0
Interior Pier Caps	5000	1"	0.50	4 ± 1	0

2. Fly ash shall not be used unless approved in writing by the Engineer. Fly ash, if approved, shall conform to ASTM C618 and ACI 232.2R-96. Fly ash shall be limited to types C & F and shall not exceed 15% of the total cement wt. 3. The use of admixtures to increase the slump shall not be used unless approved in writing by the Engineer. 4. All concrete is reinforced unless specifically called out as unreinforced. Reinforce all concrete not otherwise

5. Construction joints in grade beams shall be at midspan unless noted otherwise. Reinforcing steel shall be

continuous through construction joints unless noted otherwise. 6. No aluminum items shall be embedded in any concrete or placed in contact with concrete.

7. Reinforcing bars #4 and larger (except ties and stirrups) shall meet ASTM A615 with Supplementary Requirements (S1), Grade 60. Smaller bars shall be Grade 40.

8. Concrete coverage of reinforcement shall have the following clear distances unless noted otherwise on the

Cast against earth: 3"

Formed concrete exposed to earth or weather: 2"

shown with same steel as in similar sections or areas.

Not exposed to earth or weather: 1" Slabs, 1 1/2" Beams and columns

9. Embedded and all reinforcing bars marked continuous shall be embedded to develop the full tensile capacity of the bar. Laps shall be Class B tension laps unless specified otherwise on the drawings. Unless shown otherwise, splice top bars near midspan and splice bottom bars over supports.

10. Supply corner bars 4'-0" long (min. 2'-0" in each direction) in outside face of wall at corners of all walls and grade beams, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply three (3) - #4 vertical support bars for corner bars.

11. All bars are to be supported in forms and spaced with wire bar supports per ACI "Manual of Standard Practice for Detailing Concrete Structures" (latest edition). Bars shall be securely wired per the latest edition of CRSI's "Recommended Practice for Placing Reinforcing Bars." Accessories for exposed concrete shall be plastic or shall have

12. Concrete placed during cold weather shall conform to the requirements of the most recent version of ACI 306R. Cold weather is defined as a period when, for more than 3 successive days, the mean daily temperature drops below

13. Concrete placed during hot weather shall conform to the requirements of the most recent version of ACI 305R. Hot weather is defined as that combination of air temperature, concrete temperature, relative humidity and wind speed that will cause a rate of evaporation of 0.2 lb/sq.ft./hr. or more as defined by Figure 2.1.5 of ACI 305R.

15. Provide 3/4" chamfer on all exposed corners unless noted otherwise on architectural or structural construction

14. Do not add water to concrete during delivery, at Project Site, or during placement, unless approved by the

16. All cold joints shall be roughened and cleaned unless noted otherwise.

17. Vertical control joints in walls shall be placed at 30'-0" maximum spacing unless noted otherwise. Locate joints beside piers monolithic with walls, near corners, and in concealed locations where possible. Construction joints may be placed in lieu of control joints at contractors discretion. Coordinate location of control joints with Architect. Post-Installed Anchors:

1. Post-Installed anchors shall only be used where specified in the construction documents or approved by the

2. The Contractor shall obtain written approval from the Engineer prior to installing post-installed anchors for

3. Care shall be taken with placing post-installed anchors to avoid damaging existing reinforcement. 4. The holes shall be drilled and cleaned in accordance with the manufacturer's specifications.

5. Post-installed anchors shall meet ACI 318 Appendix D criteria. The following are acceptable post-installed anchors: All adhesive anchoring systems referred to in these drawings shall be one of the following:

a. Hilti HIT HY 200 V3 b. Powers AC100+ Gold c. Simpson Strong-Tie SET-3G

d. Or Approved Equivalent All screw anchors referred to in these drawings shall be one of the following:

b. Powers Wedge Bolt+ c. Simpson Strong-Tie Titan HD

d. Or Approved Equivalent

1. Mortar shall be Type S for all masonry work and must achieve a minimum compressive strength of 1800 psi at the 28-day test. Masonry units shall have a minimum strength of f'm = 1900 psi.

2. Masonry grout shall be a coarse-type grout and must achieve a minimum compressive strength of 2000 psi at the 28-day test. Slump shall range from 8" minimum to 10" maximum. Grout materials and proportions shall conform to

3. All masonry shall be reinforced with horizontal 9 gauge truss type reinforcement at 16" o.c. vertical or as shown 4. Vertical reinforcing shall be installed as noted on the drawings. Reinforcing bars shall be lapped as specified on

the design drawings. If no lap length is shown, contact the Engineer. 5. Vertical control joints in masonry shall be 3/8" wide, full height of wall at locations shown on the Architectural drawings. Joints shall be spaced at a maximum of 25'-0" apart and coordinated with the Architect. All horizontal

joint reinforcing shall be discontinuous at masonry control joints. Refer to typical details for additional information 6. Lintels over openings shall be installed as indicated on the drawings. If no lintels are indicated, notify the

techniques, sequences, or procedures, for safety precautions & programs in connection with the work, for the acts or 7. Provide at least (1) vertical rebar at each end of each wall, side of control joints, jambs, corner, and intersection of all reinforced masonry walls. Size of rebar to match the size of typical vertical reinforcing shown.

8. Provide (1) corner bar at each horizontal bond beam. Size of rebar to match typical bond beam reinforcing shown. 9. Submit shop drawings including plan and elevation views of reinforced masonry walls including bond beams, control joints, expansion joints, and lintels.

10. All steel beams bearing on masonry shall have (3) cores minimum grouted full directly below the bearing locations unless noted otherwise. 11. All bond beam reinforcing shall continue through control joints.

12. All cells containing reinforcement, bolts, or other metal anchors shall be grouted solid. Any cells below grade shall be grouted solid whether reinforced or not.

Structural Steel:

ASTM A992 Structural Steel Wide Flanges: Miscellaneous Steel: ASTM A36 Structural Tubing: ASTM A500, Grade C (Fy = 50 ksi) Steel Pipe: ASTM A53, Type E or S, Grade B

1. All structural steel shall conform to the following (U.N.O.):

2. Bolts shall be as follows (U.N.O.):

Connection Bolts: ASTM A325 Anchor Rods: ASTM F1554, Grade 36 ASTM A108, Grade 1015 through 1020 Shear Studs:

3. Welding shall conform to the latest publication of applicable codes set forth by the American Welding Society. Welding electrodes shall be E70XX.

4. All exterior steel exposed to weather shall be hot-dipped galvanized and/or painted per Architect unless noted

5. Weld all joists to supporting members with 1/8" x 2" long fillet welds on each side of the joist. In steel frames, where columns are not framed in at least two directions with structural steel members, joists at column lines shall be

field-bolted at the columns to provide lateral stability during construction. 6. All roof bar joists shall be designed for uplift as stipulated by the applicable building code. Extra bracing shall be added as required, and the joist manufacturer shall certify that the joists have been designed for reverse bending

7. All bar joists shall have horizontal bridging as recommended by the Steel Joist Institute. Provide rigid "X" bridging in addition to horizontal bridging where horizontal bridging is discontinuous, unless horizontal bridging is connected to a wall at the top and bottom of the joist. Refer to the plans for other locations of "X" bridging. The erector shall follow the latest requirements of the Steel Joist Institute regarding additional bolted "X" bridging required for

8. All pipe hangers supporting more than 100 lbs. and being supported from steel bar joists or joist girders shall be hung from top chords and within 2" of web panel points. If interferences exist that will not allow pipe to be hung in this manner, the Contractor shall notify the Engineer for required modifications.

9. All openings in the roof shall be framed with a 4 x 4 x 1/4 angle minimum, unless noted otherwise. Mechanical units shall be supported with structural steel frames as required. If framing is not shown for mechanical units, notify

10. All steel stairs, excluding the main stair, shall be designed by the steel stair manufacturer in compliance with the

<u>Light Gauge Metal Framing:</u>

governing building code to meet 100 psf design live load.

erection stability.

1. All light gauge structural studs, track and accessories shall be designed in accordance with the latest edition of the American Iron and Steel Institute (AISI) "Specification for the Design of Cold-Formed Steel Structural Members," and shall be of type, size, gauge and spacing shown on the drawings.

2. All 16 gauge and heavier studs and joists shall be formed from corrosion-resistant steel corresponding to the requirements of ASTM A446, with a minimum yield strength of 50 ksi. All 18 gauge and lighter studs, joists, track and accessories shall be formed from corrosion-resistant steel corresponding to the requirements of ASTM A446, with a minimum yield strength of 33 ksi.

3. Prior to fabrication of framing, the Contractor shall submit fabrication and erection drawings to the Architect/Engineer for approval.

4. Prefabricated panels shall be square, with components attached in a manner to prevent racking and minimize distortion while lifting. The Contractor shall provide temporary bracing where required.

5. All framing components shall be cut squarely for attachment to perpendicular members, or as required, for angular fit against abutting members. Splicing of axial loaded members is not permitted.

6. Axially loaded studs shall be installed in a manner which will assure that their ends are positioned against the inside of the track web prior to fastening. Studs shall be securely fastened to both flanges of the top and bottom

7. Fastening of components shall be with self-drilling screws or welding. Wire tying of components shall not be permitted. Screws shall be of sufficient size to ensure the strength of connection. All connections shall be made with a minimum of (2) #10 screws or 1/8" fillet weld two inches long. All welds shall be touched up with a zinc-rich

8. Tracks shall be securely anchored to the supporting structure as shown on the drawings. Abutting lengths of tracks shall be securely anchored to a common structural element, butt-welded or spliced together.

9. Wall stud bridging shall be attached in a manner to prevent stud rotation. Bridging rows shall be spaced according to manufacturer's specifications or recommendations. 4'-0" maximum spacing between rows of bridging.

10. Provision for structure vertical movement shall be provided where indicated on the drawings. 11. Minimum thickness values of framing specified in gauge values on drawings are as follows:

Minimum Design	Design Thickness	Inside Corner	Gauge No.
Thickness (in.)	(in.)	Radius (in.)	(Reference Only)
18	0.0188	0.0843	25
27	0.0283	0.0796	22
30	0.0312	0.0781	20 - Drywall
33	0.0346	0.0764	20 - Structural
43	0.0451	0.0712	18
54	0.0566	0.0849	16
68	0.0713	0.1069	14
97	0.1017	0.1525	12

NOTE: Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site based on Section A3.4 of the 1996 AISI Specification.

Special Inspector:

1. The following items require special inspection in accordance with the building code. a. Reinforced masonry construction - level 1 inspection b. Concrete & masonry grout design mix c. Placing of concrete & reinforcing steel d. Bolts & anchors embedded in concrete & masonry e. Concrete formwork f. Structural steel fabrication g. Structural steel bolting & welding h. Inspection of roof & deck attachment

I. Post installed anchors in masonry & concrete J. In-situ soils, excavations, filling & compaction

inaccessible & unobservable due to progression of the work. 3. The Special Inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.

2. The Contractor shall request special inspection of the items listed above prior to those items becoming

4. The Special Inspector shall observe the work assigned for conformance with the approved design drawings

5. The Special Inspector shall furnish inspection reports to the Building Official, the Engineer and Architect of

record, and other designated persons. All discrepancies shall be brought to the immediate attention of the

Contractor for correction, then if uncorrected, to the proper design authority and to the Building Official. 6. The Special Inspector shall submit a final signed report stating whether the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the governing building codes.

1. The Inspector must verify that the preparation of the natural ground and the placement of engineered fill is performed in accordance with the GEOTECHNICAL engineer's recommendations as stated in the GEOTECHNICAL

2. The Inspector must monitor the placement of all fill to determine whether the type of material, moisture content, and degree of compaction are within the recommended limits contained in the GEOTECHNICAL report. Proceed with subsequent earthwork only after test results for previously completed work comply with recommended limits contained in the GEOTECHNICAL report.

3. All Subgrade supporting footings and slabs must be inspected immediately prior to the placement of reinforced concrete.

4. Paved and building slab areas shall be tested at Subgrade and at each compacted fill and backfill layer, at least once for every 2000 sq. ft. or less of paved or building slab areas, but in no case fewer than 3 tests. 5. Foundation wall backfill shall be tested at each compacted initial and final backfill layer, at least once for each

100 ft. or less of wall length, but no fewer than 2 tests. 6. Trench backfill shall be tested at each compacted initial and final backfill layer, at least once for each 150 ft. or less of trench length, but no fewer than 2 tests.

8. Test Reporting: Test results must be reported to BSE and the general contractor in writing within 24 hours after testing, via fax. Reports must contain the project name, the date of the test and the location of the test.

7. Test compaction of soils-in-place in accordance with ASTM D 1556, ASTM D 2167, ASTM D 2922, and ASTM D

1. Strength test cylinders shall be prepared for each day's pour of each concrete mix and at a minimum frequency

of every 50 cu. yd. on all concrete placed. Conform to ASTM C39. 2. Four (4) test cylinders are to be made and cured on site for the first 24 hours. Test one of the specimens at 7

days and two at 28 days. Hold the fourth specimen in reserve for later testing if needed. 3. Slump, air content and temperature tests shall be conducted at a minimum when strength specimens are made and at any other times as specified by the Engineer.

4. Perform slump tests on a representative concrete sample at the point of discharge. Perform additional tests when concrete consistency seems to have changed. The maximum allowable field slump is 5 inches. Conform to

5. Perform air content tests on all concrete specified to be air-entrained. Conform to ASTM C231.

6. Perform a temperature test every hour when air temperature is 40°F and below, or when air temperature is 80°F and above. Conform to ASTM C 1064. 7. Prior to the closing of forms or the delivery of concrete to the job site, the inspector shall verify that the reinforcing steel is in conformance with the city-approved plans, specifications and shop drawings. The inspector shall confirm that the reinforcing steel is of the correct size and grade and ensure that the proper spacing,

clearances, splice lengths and embedded items have been provided. All reinforcing steel shall be in place prior to the

placement of concrete and be secured against displacement. 8. The Inspector shall verify that the bolt size, location and embedment length of all anchor bolts are in conformance with the city-approved plans, specifications and shop drawings.

9. Anchor rods 3/4"Ø or smaller may be floated in place following concrete placement, provided that anchor bolts are worked easily by hand into the fresh concrete to allow for full contact with the shank of the bolt. Bolts shall be placed by means of a template and shall be worked into concrete in vertical alignment. 10. Test Reporting: Test results must be reported to BSE and the General Contractor in writing within 24 hours after testing, via fax or email. Reports of compressive strength tests must contain the project name, the date of concrete

placement, the location of concrete placement within the structure and the concrete mix design being used. Structural Steel: 1. Bolts: Bolts that are not identified as being slip-critical nor in direct tension need not be inspected other than to

verify that the plies of connected elements are brought into snug-tight condition in properly-aligned holes.

4. Shear connector stud welds will be inspected and tested according to AWS D1.1 for stud welding. Shear

2. Field Welding: Inspection is required for single-pass fillet welds, multi-pass fillet welds, complete- and partialpenetration groove welds, floor and roof deck welding, and stairs and railing systems. Prior to the start of the work, materials, qualifications of welding procedures and welder qualifications shall be verified. Provide continuous or periodic inspection of the structural welding as indicated in Table 1704.3 of the referenced IBC. Inspections may occur periodically, as defined below. A visual inspection to ensure proper type, size, length and quality of all field welds is required prior to work being concealed by other materials.

3. Periodic inspection: "Periodic" is defined as generally once a week at a minimum, and more often as needed to observe work requiring inspections, as outlined above, prior to being covered by subsequent construction.

a 360-degree flash or welding repairs to any shear connector stud. 5. Structural steel bar joists and metal buildings fabricated on the premises of a facility/plant not certified by a nationally recognized organization, shall have in-plant special inspections. AISC, ICBO, CWB and SJI are certified

6. Test Reporting: Test results must be reported to BSE and the General Contractor in writing within 24 hours of testing, via fax or email. Reports must contain the project name, the date of the test and the location of the test.

connector stud welds shall be visually inspected. Bend tests shall be performed if visual inspections reveal less than

1. Mortar properties, grout, brick, concrete masonry unit and prism tests and evaluations are to be performed during construction for each 5,000 sq. ft. of wall area or portion thereof.

2. Mortar properties are to be tested per ASTM C 780.

3. Grout will be sampled and tested for compressive strength per ASTM C 1019.

4. Brick tests for each type and grade of brick indicated are to be performed according to ASTM C 67. 5. Concrete masonry unit tests for each type of concrete masonry unit indicated are to be performed per ASTM C

6. Masonry prisms are to be tested per ASTM C 1314. Prepare one (1) set of prisms for testing at 7 days and one (1) set for testing at 28 days.

test specimens, placing of all masonry units, placement of reinforcement and inspection of grout space immediately prior to closing cleanouts, and during all grouting operations. 8. Test Reporting: Test results must be reported to BS and the general contractor in writing within 24 hours of

testing, via fax. Reports must contain the project name, the date of the test and the location of the test.

7. Special inspection of masonry construction is required during preparation and taking of any required prisms or

Required Verification and Inspection of Steel Construction Other Than Structural Steel Per IBC Table 1705.2.2 Special Special Referenced Standard Inspection Inspection Material verification of cold-formed steel deck: a. Identification markings to conform to ASTM standards pecified in the approved construction documents. material standards b. Manufacturer's certified test reports 2. Inspection of welding and attachment: a. Cold-formed steel deck: 1. Floor and roof deck welds and other means of AWS D1.3 attachment. b. Reinforcing steel: 1. Verification of edibility of reinforcing steel other than ASTM A 706. AWS D1.4 ACI 318: 2. Reinforcing steel resisting flexural and axial forces Section 3.5.2 in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement. 3. Shear reinforcement 4. Other reinforcing steel.

Required Special Inspections of Open-Web Steel	Joists and Joist (Girders Per I	BC Table 1705.2.3
Туре	Continuous Special Inspection	Periodic Special Inspection	Referenced Standard
1. Installation of open web steel joist and joist girders:			
a. End Connections - welding or bolted.	-	х	SJI Specifications listed in Section 2207.1.
b. Bridging - horizontal or diagonal.	-		
1. Standard bridging.	-	х	SJI Specifications listed in Section 2207.1.
Bridging that differs from the SJI specifications listed in Section 2207.1.	-	х	
a. Where applicable, see also Section 1705.12, Special insp	pections for seisi	mic resistan	ce.
Required Special Inspections and Tests of Cor	ncrete Construct	ion Per IBC	Table 1705.3
Туре	Continuous Special Inspection	Periodic Special Inspection	Referenced Standard
Inspect reinforcement, including prestressing tendons, and verify placement.	-	х	ACI 318 Chp. 20, 25.2, 25.3, 26.6.126.6.3.
Reinforcing bar welding: a. Verify weldability of reinforcing bars other than ASTM A706	-	х	AWS D1.4
b. Inspect single-pass fillet welds, maximum 5/16"; and	-	x	ACI 318: 26.6.4
c. Inspect all other welds.	х	-	
3. Inspect anchors cast in concrete.	-	х	ACI 318: 17.8.2
4. Inspect anchors post-installed in hardened concrete members a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchor and adhesive anchors not defined in 4.a.	x -	- X	ACI 318: 17.8.2.4 ACI 318: 17.8.2.
5. Verify use of required design mix.	-	х	ACI 318: Chp. 19, 26.4.3, 26.4.4
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	х	-	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12
7. Inspect concrete and shotcrete placement for proper application techniques.	Х	-	ACI 318: 26.5
8. Verify maintenance of specified curing temperatures and techniques.	-	х	ACI 318: 26.5.3-26.5.5
9. Inspect prestressed concrete for:a. Application of prestressing forces; andb. Grouting of bonded prestressing tendons.	X X	-	ACI 318: 26.10
10. Inspect erection of precast concrete members.	-	х	ACI 318: Chp. 26.8
11. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	-	х	ACI 318: 26.11.2
12. Inspect framework for shape, location and dimensions of the concrete member being formed.	-	х	ACI 318: 26.11.1.2(B)

b. Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

Required Special Inspections and Tests of Soils Per IBC Table 1705.6

a. Where applicable, see also Section 1705.12. Special inspections for seismic resistance.

Туре	Special Inspection	Inspection
Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	-	х
Verify excavations are extended to proper depth and have reached proper material.	-	х
3. Perform classification and testing of compacted fill materials.	-	Х
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	х	-
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	-	х
Required Special Inspections and Tests of Driven Deep Foundati	on Elements Per I	BC Table 1705.7
<u> </u>	Continuous	Periodic Special
Туре	Special	Inspection

Туре	Continuous Special Inspection	Periodic Special Inspection
1. Verify element materials, sizes and lengths comply with the requirements.	х	-
2. Determine capacities of test elements and conduct additional load tests, as required.	х	-
3. Inspect driving operations and maintain complete and accurate records for each element.	х	-
4. Verify placement locations and plumbness, confirm type size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.	х	-
5. For steel elements, perform additional special inspections in accordance with Section 1705.2.	-	-
6. For concrete elements and concrete-filled elements, perform tests and additional special inspections in accordance with Section 1705.3.	-	-
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.	-	-

Туре	Continuous Special Inspection	Periodic Special Inspection
Inspect drilling operations and maintain complete and accurate records for each element.	x	-
2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate endbearing strata capacity. Record concrete or grout volumes.	х	-
3. For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3.	-	-

Paguired Quality Control Inspections (CCI) & Quality Assurance Inspections

Туре	Frequency of Inspections	Referenced Standard
1. The fabricator's QCI shall inspect the following as a minimum, as		AISC 360 Chp. M & N
applicable:		TABLE N5.4-1
a. Shop welding, high strength bolting and details in	Per AISC	TABLE N5.4-2
accordance with AISC 360, Section N5.		TABLE N5.4-3
b. Shop cut and finished surfaces in accordance with AISC 360,	Per AISC	TABLE N5.6-1
section M2.		TABLE N5.6-2
c. Shop heating for straightening, cambering and curving in	Per AISC	TABLE N5.6-3
accordance with AISC 360, Section M2.1.		TABLE N6.1
d. Tolerances for shop fabrication in accordance with	Per AISC	Code of Standard
the Code of Standard Practice, Section 6.		Practice Sec. 6
2. The erector's QCI shall inspect the following as a minimum, as		
applicable:		
a. Field welding, high strength bolting and details in	Per AISC	AISC 360 Chp. M&N
accordance with AISC 360, Section N5.		TABLE N5.4-1
b. Steel deck and headed steel stud anchor placement and	Per AISC	TABLE N5.4-2
attachment in accordance with AISC 360, Section N6.		TABLE N5.4-3
c. Field cut surfaces in accordance with AISC 360, Section	Per AISC	TABLE N5.6-1
M2.2.		TABLE N5.6-2
d. Field heating for straightening in accordance with AISC 360,	Per AISC	TABLE N5.6-3
Section M2.1.		TABLE N6.1
e. Tolerances for field erection in accordance with the Code of	Per AISC	Code of Standard
Standard Practice, Section 7.13.		Practice Sec. 6
3. QAI shall be performed by others. All required inspection and non-destructive testing, as applicable, shall be in accordance with AISC 360	Per AISC & IBC	AISC 360 Chp. M&N

	ABBREVIATIONS LIST	SHEET LIST		
		Sheet		
&	AND	Number	Sheet Name	
@	AT			
	DEGREES	S0.0	GENERAL NOTES	
=	EQUALS	S0.1	ISOMETRIC	
1	FEET	S0.2	OVERALL PLAN	
>	GREATER THAN	S1.1	FOUNDATION PLAN - WEST	
<u>></u>	GREATER THAN OR EQUAL TO	S1.2	FOUNDATION PLAN - EAST	
II .	INCHES	S2.1	2ND FLOOR FRAMING PLAN - WEST	
<	LESS THAN	S2.2	2ND FLOOR FRAMING PLAN - EAST	
<u><</u>	LESS THAN OR EQUAL TO	S2.3	ROOF FRAMING PLAN - WEST	
-	MINUS, NEGATIVE			
+	PLUS	\$2.4	ROOF FRAMING PLAN - EAST	
±	PLUS OR MINUS	S2.5	MAIN STAIR FRAMING	
A.F.F	ABOVE FINISHED FLOOR	S3.1	TYPICAL FOUNDATION DETAILS	
ALT.	ALTERNATE	S3.2	FOUNDATION DETAILS	
ARCH.	ARCHITECT	S3.3	FOUNDATION DETAILS	
BLDG.	BUILDING	S4.1	TYPICAL FRAMING DETAILS	
BM.	BEAM	S4.2	TYPICAL FRAMING DETAILS	
B.O.S.	BOTTOM OF STEEL	S4.3	TYPICAL FRAMING DETAILS	
BOTT.	BOTTOM			
C.J.	CONTROL/CONSTRUCTION JOINT	S4.5	FRAMING DETAILS	
CL	CENTER LINE	S4.6	FRAMING DETAILS	
C.M.U.	CONCRETE MASONRY UNIT	S4.7	FRAMING DETAILS	
CLG.	CEILING	S4.8	FRAMING DETAILS	
CLR.	CLEAR	S4.9	ELEVATIONS	
COL.	COLUMN			
CONC.	CONCRETE			
CONT.	CONTINUOUS			
COORD.	COORDINATE			
CTR.	CENTER			
DIA.	DIAMETER			
DN.	DOWN	MA	TERIALS LEGEND	
DWG.	DRAWING			
E.J.	EXPANSION JOINT			
E.O.R.	ENGINEER OF RECORD	ALUMINUM		
EA.	EACH			
EL.	ELEVATION	CONCRETE		
ELEV.	ELEVATION			
ENG.	ENGINEER	EARTH		
EQ.	EQUAL			
EQUIP.	EQUIPMENT	GRAVEL		
ETC. EXIST.	ET CETERA			
EXIST.	EXISTING EXTERIOR	GROUT		
F.A.	FACE		(
F.B.E.	FOOTING BEARING ELEVATION	GYPSUM		
F.B.E. F.F.E.	FINISHED FLOOR ELEVATION		' , ' +]	
F.F.E. F.S.	FAR SIDE	INSULATION - RIG	GID	
F.3. FT.	FOOT/FEET			
FTG.	FOOTING/FOUNDATION	MASONRY - BRIC	K /////	
G.C.	GENERAL CONTRACTOR			
G.C. GALV.	GALVANIZED	MASONRY - CMU	J XXXXX	
GALV. GYP.	GYPSUM			
HORIZ.	HORIZONTAL	PLYWOOD		
IN	INCHES			
J.B.E.	JOIST BEARING ELEVATION	STEEL		
J.B.L. JT.	JOINT			
KSI	KIPS PER SQUARE INCH	TILT / PRE-CAST	4 4 4 4	
K	KIPS	,	A. Marie Control of the Control of t	
L.F.	LINEAR FEET			
LH.	POUND	SYM	BOLS LEGEND	
LLH	LONG LEG HORIZONTAL			
LLV	LONG LEG VERTICAL			
M.B.M.	METAL BUILDING MANUFACTURER		DETAIL	
M.E.P.	MECHANICAL ELECTRICAL PLUMBING	01	——— DRAWING NUMBER	
NAAV	NAAVINALINA	-	DIVITATION HOMBER	

MIJMIXAM

MINIMUM

DIAMETER

N.T.S. NOT TO SCALE

PLATE

RADIUS

REINFORCED

SOUARE FEE

REQUIRED

SIMILAR

SPACING

SQUARE TOP OF CONCRETE

SPECIFICATION

TOP OF FOOTING

U.N.O. UNLESS NOTED OTHERWISE

TOP OF STEEL

TOP OF WALL

THROUGH

TYPICAL

VERTICAL

WEIGHT

WITHOUT

WITH

W.W.F. WELDED WIRE FABRIC

REINF.

REQ'D.

SIM.

SPA.

SPEC.

T.O.C.

T.O.F.

T.O.S.

T.O.W.

THRU.

TYP.

VERT.

WT.

W/

W/O

MISCELLANEOUS

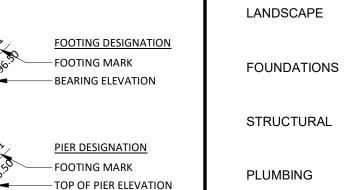
P.E.M.B. PRE-ENGINEERED METAL BUILDING

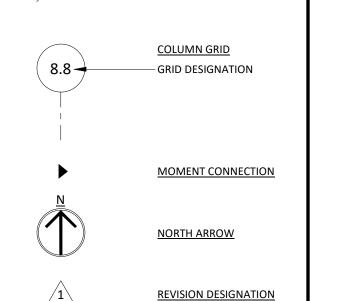
NOT APPLICABLE

— DRAWING NUMBER — SHEET NUMBER — AREA OF DETAIL **ELEVATION**

- DRAWING NUMBER POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH -SHEET NUMBER **SECTION** — DRAWING NUMBER

BEAM DESIGNATION — CAMBER OF BEAM IN INCHE - SHEAR STUD COUNT BEAM TYPE & SIZE **COLUMN DESIGNATION** — COLUMN SIZE — COLUMN TYPE





JOIST BEARING ELEVATION

SLAB THICKNESS TRANSITIO

Lenexa, Kansas 66214 Phone 913.492.7400 www.BSEstructural.com Project Number 22-125

PARAGON STAR

FIRST PLAT, LOT 9

LEE'S SUMMIT, MO

REGISTRATION

BUSEY

PROJECT TEAM

LAND 3

ARCHITECT

MECHANICAL

ELECTRICAL

FINKLE+WILLIAMS

ARCHITECTURE

BSE STRUCTURAL

BSE STRUCTURAL

ENGINEERS

ENGINEERS

HENDERSON

ENGINEERS

HENDERSON **ENGINEERS**

HENDERSON

ENGINEERS

FIRE PROTECTION HENDERSON

CONTRACTOR GC

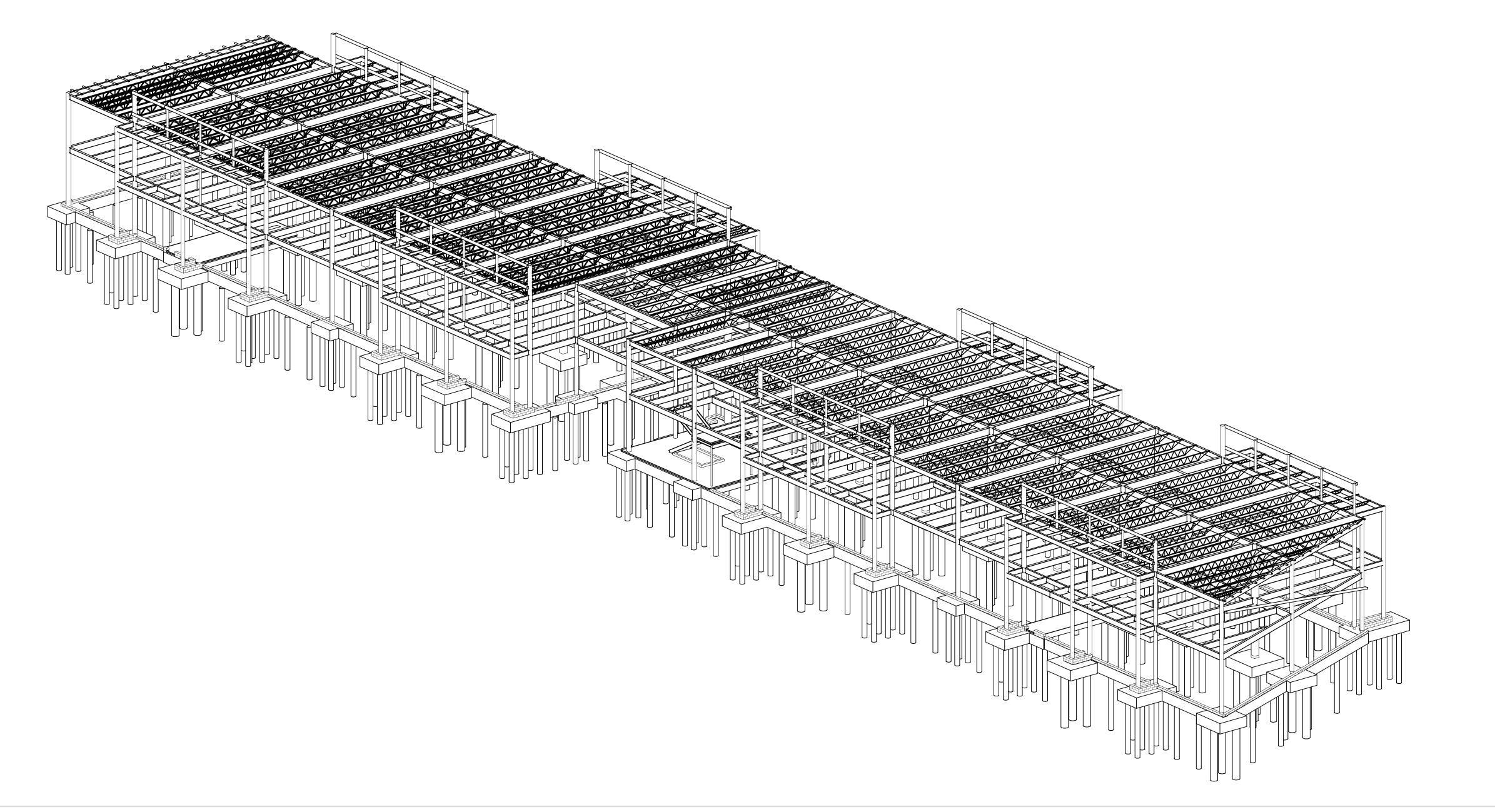
Project No.: 19050.01a

SHEET TITLE

GENERAL

SHEET NUMBER

a. Where applicable, see also Section 1705.11 Special inspections for seismic resistance.

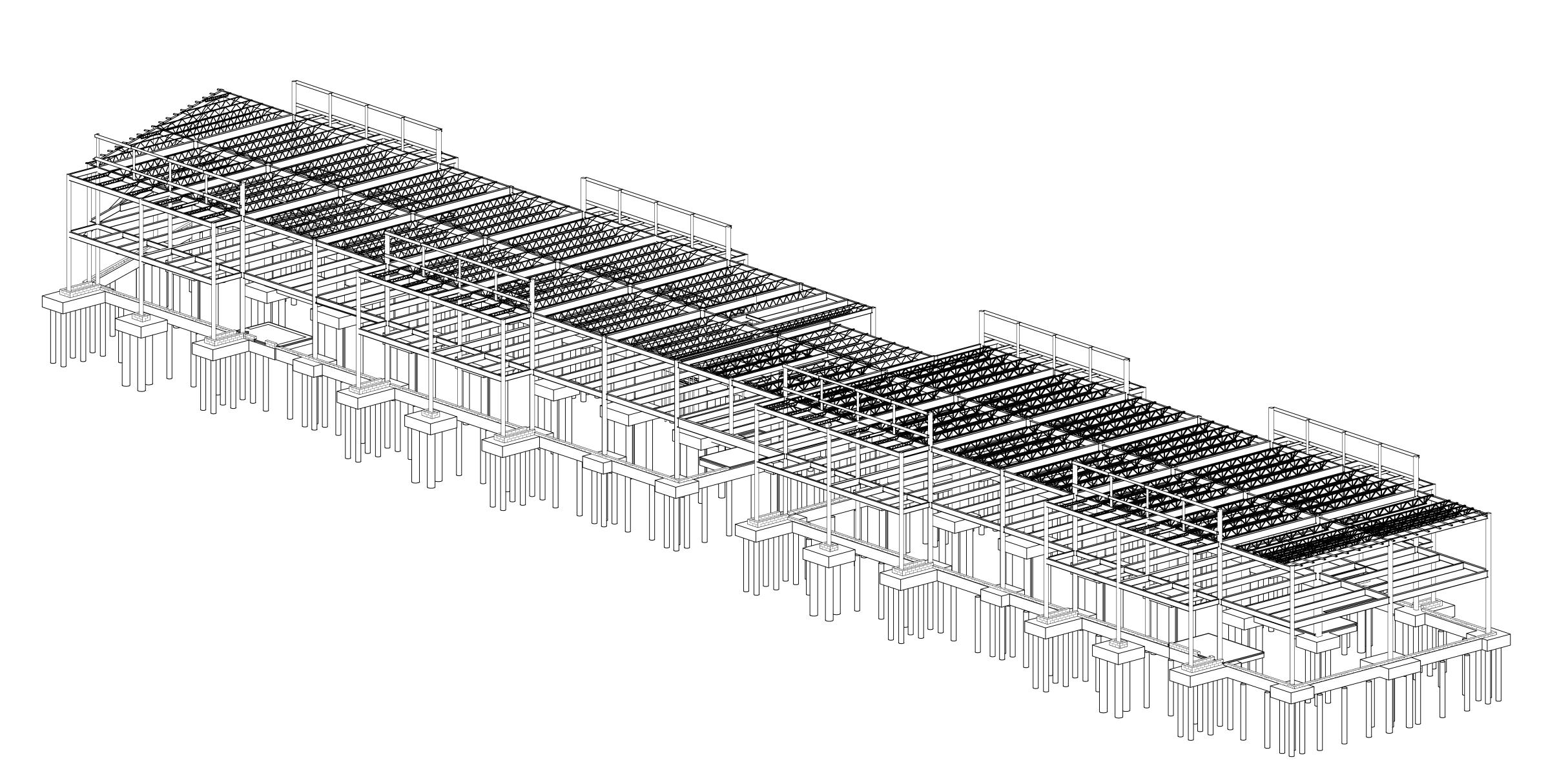


NOTES:

1.) ISOMETRIC VIEWS ARE SHOWN ACTUAL CONSTRUCTION TO MARKET MARK

1.) ISOMETRIC VIEWS ARE SHOWN FOR SCHEMATIC PURPOSES ONLY. ACTUAL CONSTRUCTION TO MATCH CONSTRUCTION DOCUMENTS. REFERENCE ARCHITECTURAL, MECHANICAL, CIVIL, & STRUCTURAL DOCUMENTS.

ISOMETRIC 01



NOTES:

1.) ISOMETRIC VIEWS ARE SHOWN FOR SCHEMATIC PURPOSES ONLY. ACTUAL CONSTRUCTION TO MATCH CONSTRUCTION DOCUMENTS. REFERENCE ARCHITECTURAL, MECHANICAL, CIVIL, & STRUCTURAL DOCUMENTS.

ISOMETRIC 02

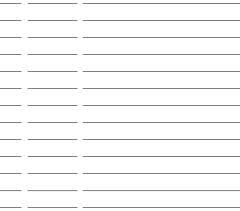
aragon star

PARAGON STAR BLDG 2 / LOT 9

FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

Project No.:	19050.01a	
Date:	05.06.2022	
Issued For:	PERMIT	

		REVISIONS
No.	Date	Description



DECISTRATION



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

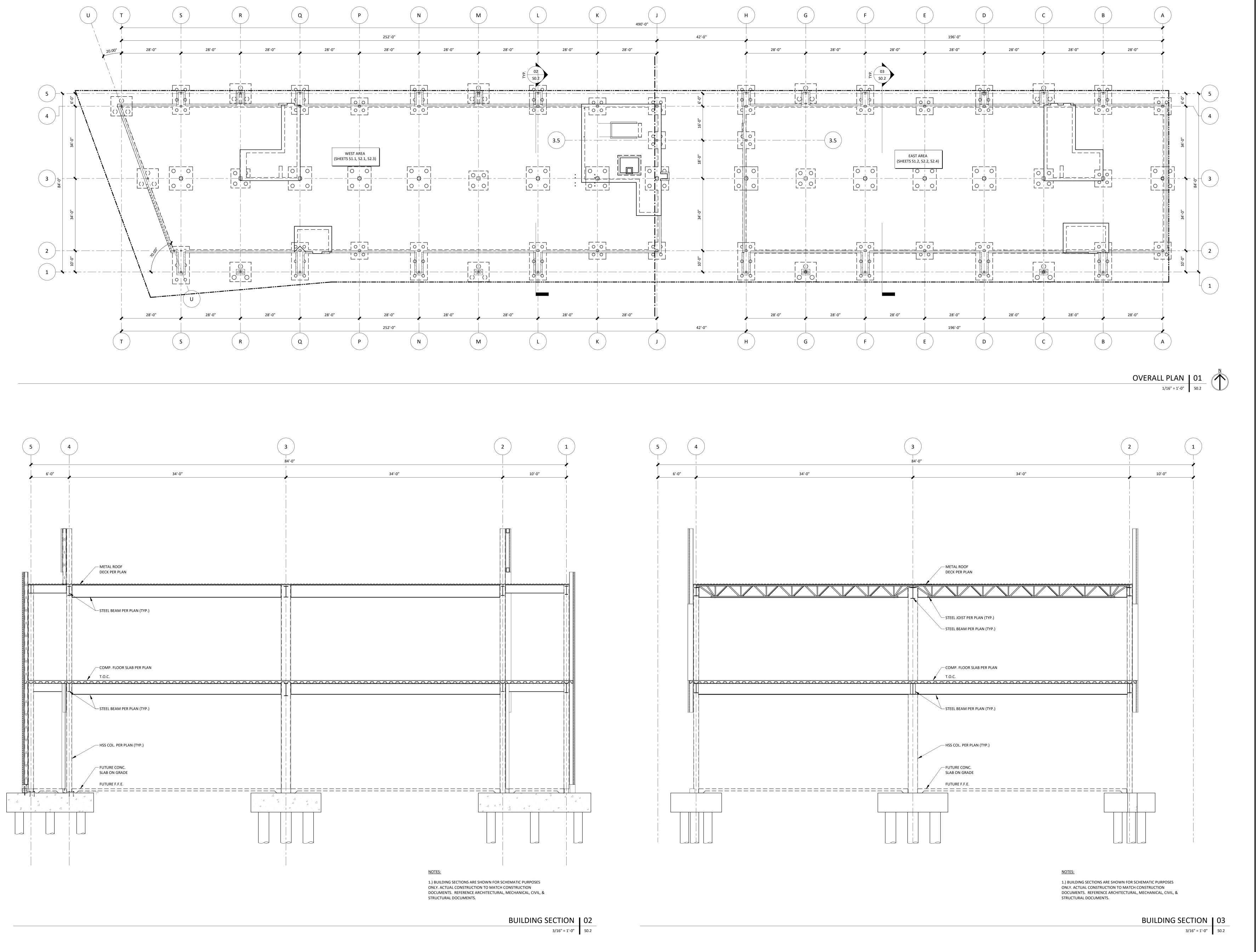


FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

SHEET TITLE

ISOMETRIC





> FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

oject No.: 19050.01a ate: 05.06.2022 sued For: PERMIT

Date Description

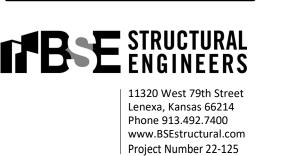
REGISTRAT



PROJECT TEAM

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

CONTRACTOR GC

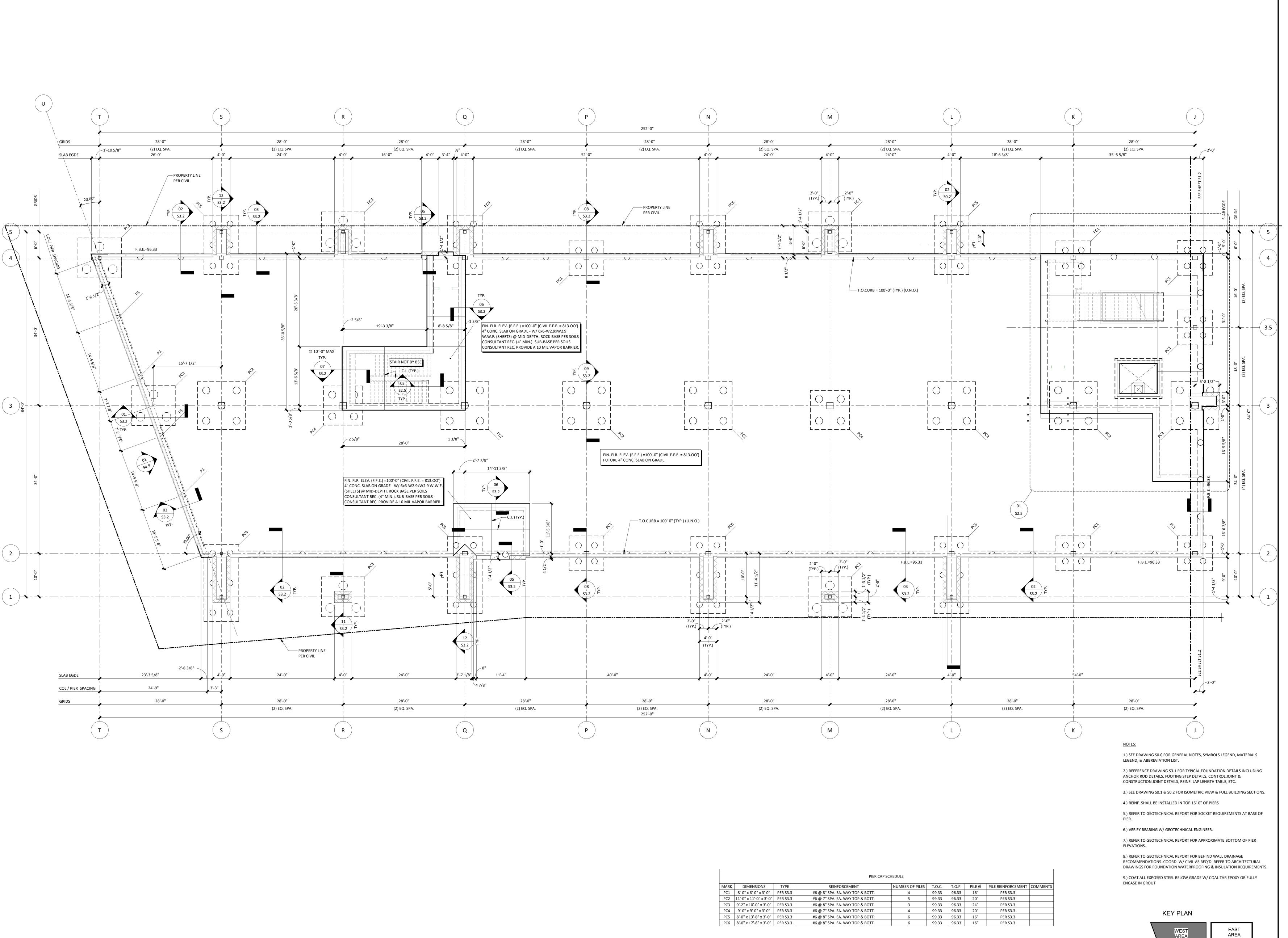


SHEET TITLE

OVERALL PLAN

SHEET NUMBER

S0.2



- EMBED DRILLED PIER INTO ROCK PER THE GEOTECHNICAL REPORT RECOMMENDATIONS



PARAGON STAR BLDG 2 / LOT 9

> FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

 Project No.:
 19050.01a

 Date:
 05.06.2022

 Issued For:
 PERMIT

REVISIONS

Date Description

REGISTRATION



PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTURAL ENGINEERS

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON

CONTRACTOR GC

STRUCTURAL
ENGINEER

FIRE PROTECTION HENDERSON

ELECTRICAL

11320 West 79th Street Lenexa, Kansas 66214 Phone 913.492.7400 www.BSEstructural.com Project Number 22-125

ENGINEERS

HENDERSON

ENGINEERS

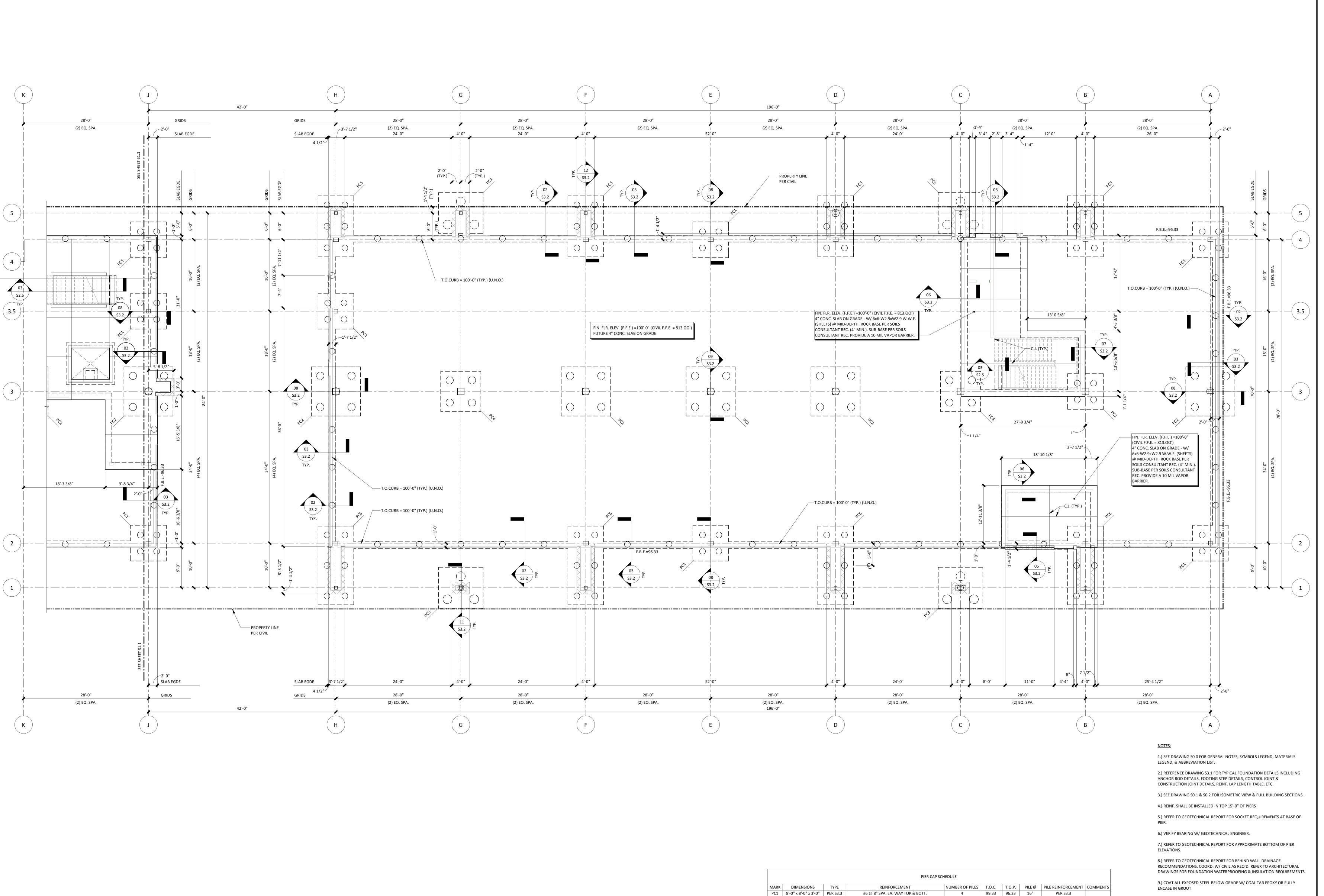
SHEET TITLE

FOUNDATION PLAN - WEST

SHEET NUMBER

FOUNDATION PLAN - WEST | 01

S1.1



paragon star

PARAGON STAR BLDG 2 / LOT 9

> FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

roject No.: 19050.01a ate: 05.06.2022 sued For: PERMIT

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ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

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PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON ENGINEERS

ELECTRICAL HENDERSON

FIRE PROTECTION HENDERSON ENGINEERS

CONTRACTOR GC

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Phone 913.492.7400
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Project Number 22-125

ENGINEERS

SHEET TITLE

99.33 96.33 20" 99.33 96.33 24"

99.33 96.33 20" 99.33 96.33 16"

99.33 96.33 16"

- EMBED DRILLED PIER INTO ROCK PER THE GEOTECHNICAL REPORT RECOMMENDATIONS

PER S3.3

PER S3.3

PER S3.3

PER S3.3

PER S3.3

KEY PLAN

#6 @ 7" SPA. EA. WAY TOP & BOTT.

#6 @ 8" SPA. EA. WAY TOP & BOTT.

#6 @ 7" SPA. EA. WAY TOP & BOTT.

#6 @ 8" SPA. EA. WAY TOP & BOTT.

#6 @ 8" SPA. EA. WAY TOP & BOTT.

PC2 | 11'-0" x 11'-0" x 3'-0" | PER S3.3

PC3 9'-2" x 10'-0" x 3'-0" PER S3.3

PC4 9'-0" x 9'-0" x 3'-0" PER S3.3

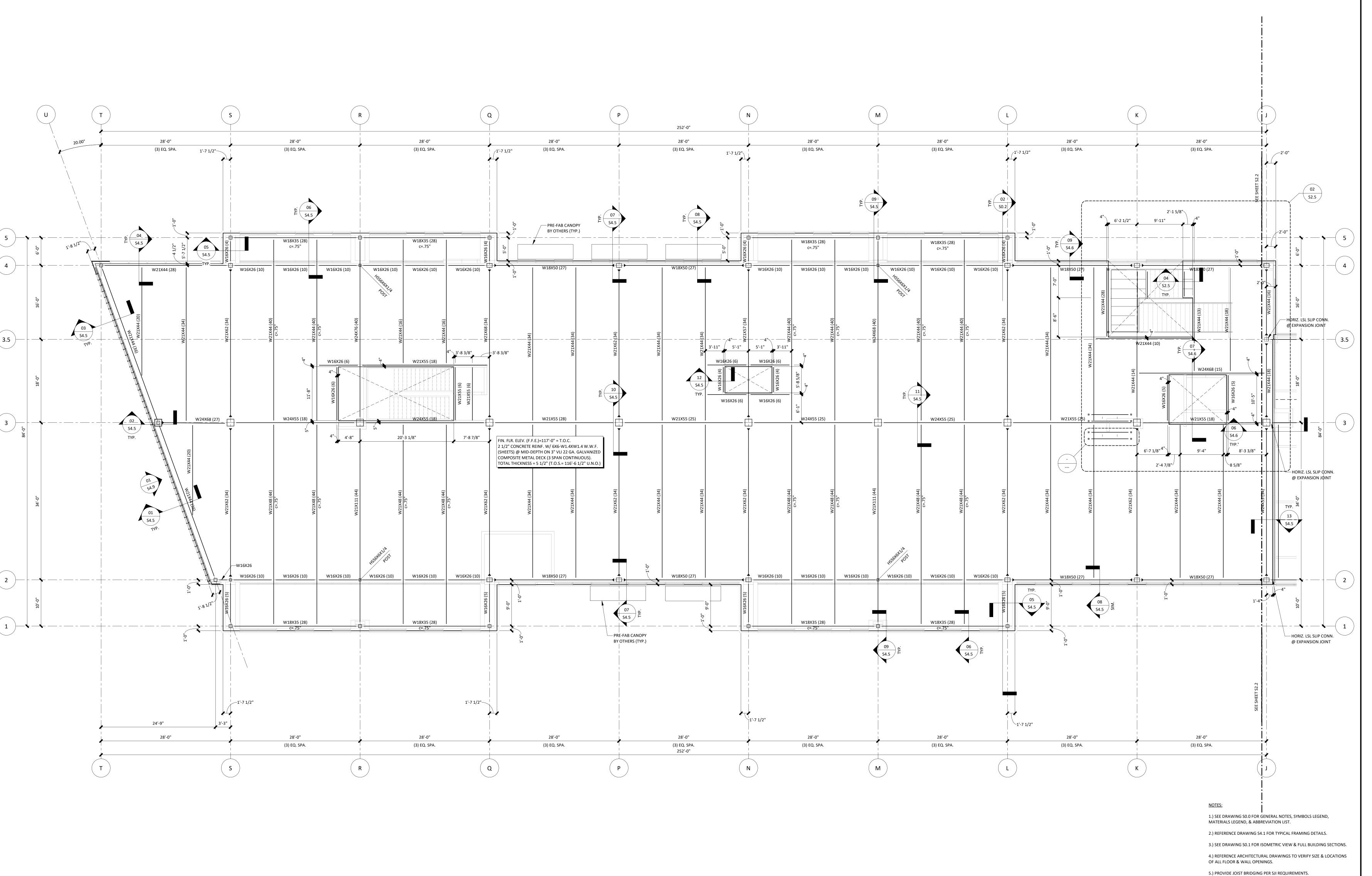
PC5 8'-0" x 13'-8" x 3'-0" PER S3.3

PC6 8'-0" x 17'-8" x 3'-0" PER S3.3

FOUNDATION PLAN - EAST

SHEET NUMBER

S1.2





> FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

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PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS

BSE STRUCTURAL ENGINEERS

STRUCTURAL BSE STRUCTURAL ENGINEERS

PLUMBING HENDERSON ENGINEERS

MECHANICAL HENDERSON

ENGINEERS

ELECTRICAL HENDERSON ENGINEERS
FIRE PROTECTION HENDERSON

CONTRACTOR GC

STRUCTURAL ENGINEERS

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Lenexa, Kansas 66214
Phone 913.492.7400
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Project Number 22-125

SHEET TITLE

6.) PROVIDE 3/4" x 4 1/2" LONG HEADED SHEAR STUDS FOR COMPOSITE BEAMS. SEE TYPICAL FRAMING DETAIL SHEET FOR ADDITIONAL DETAILS.

7.) ATTACH COMPOSITE METAL DECK W/ 5/8" PUDDLE WELD IN A 36/4

8.) G.C. TO COORDINATE CONSTRUCTION JOINT IN CONC. SLAB POUR AT

9.) G.C. TO COORD. COMP. CONC. SLAB PIGMENT AND FINISH W/ ARCH.

10.) ALL EXTERIOR STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED AND/OR PAINTED PER ARCHITECT UNLESS NOTED OTHER

EAST AREA

PATTERN & (2) WELDED SIDE LAP FASTENERS PER SPAN.

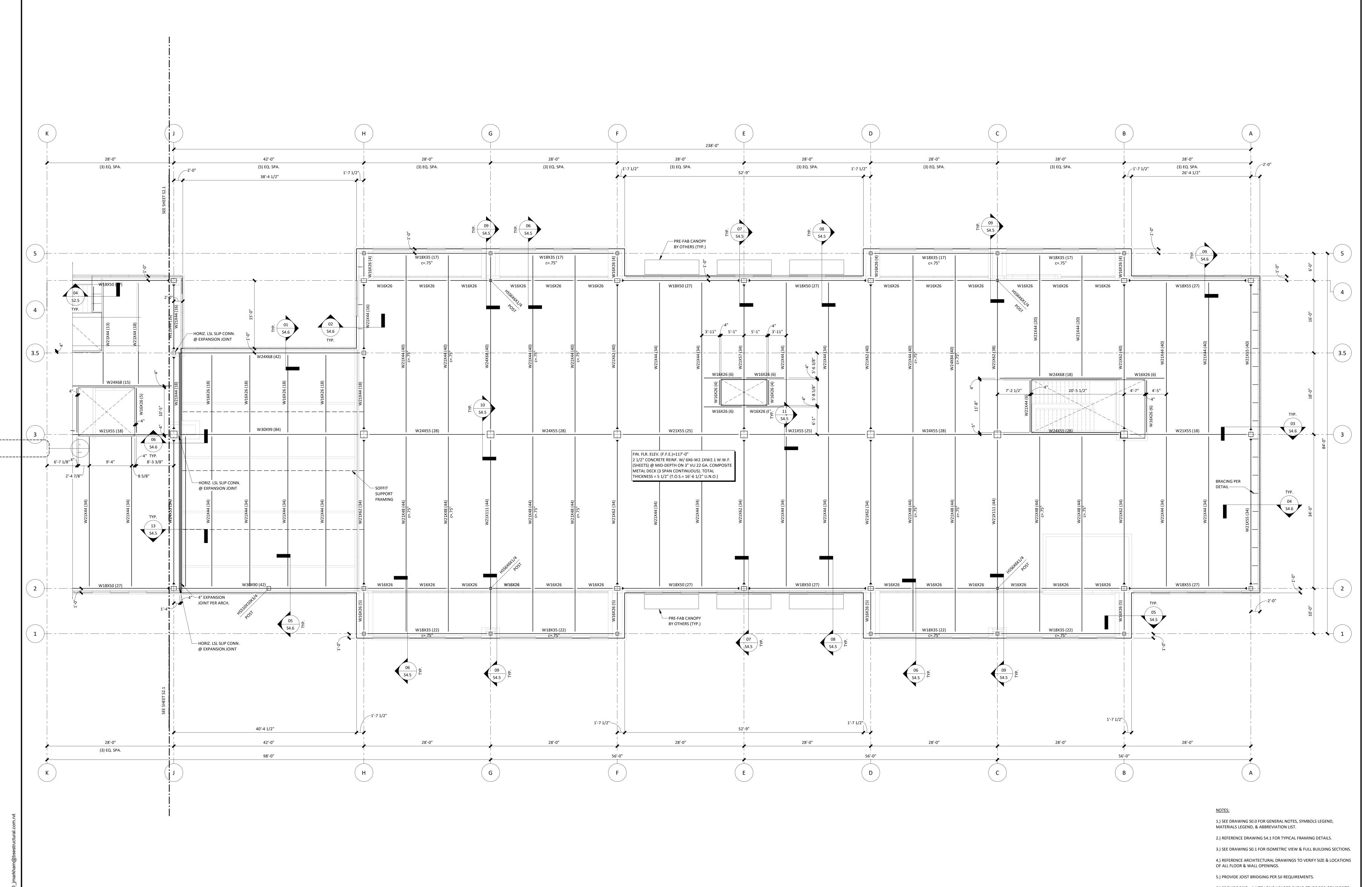
KEY PLAN

2ND FLOOR FRAMING PLAN - WEST | 01

2ND FLOOR FRAMING PLAN -WEST

SHEET NUMBER

S2.1



11320 West 79th Street Lenexa, Kansas 66214 Phone 913.492.7400

6.) PROVIDE 3/4" x 4 1/2" LONG HEADED SHEAR STUDS FOR COMPOSITE BEAMS. SEE TYPICAL FRAMING DETAIL SHEET FOR ADDITIONAL DETAILS.

7.) ATTACH COMPOSITE METAL DECK W/ 5/8" PUDDLE WELD IN A 36/4 PATTERN & (2) WELDED SIDE LAP FASTENERS PER SPAN.

8.) G.C. TO COORDINATE CONSTRUCTION JOINT IN CONC. SLAB POUR AT 9.) G.C. TO COORD. COMP. CONC. SLAB PIGMENT AND FINISH W/ ARCH.

10.) ALL EXTERIOR STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED AND/OR PAINTED PER ARCHITECT UNLESS NOTED OTHER

KEY PLAN

2ND FLOOR FRAMING PLAN - EAST | 01





PARAGON STAR BLDG 2 / LOT 9

> FIRST PLAT, LOT 9 LEE'S SUMMIT, MO



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

BSE STRUCTURAL ENGINEERS HENDERSON PLUMBING **ENGINEERS** MECHANICAL **ENGINEERS**

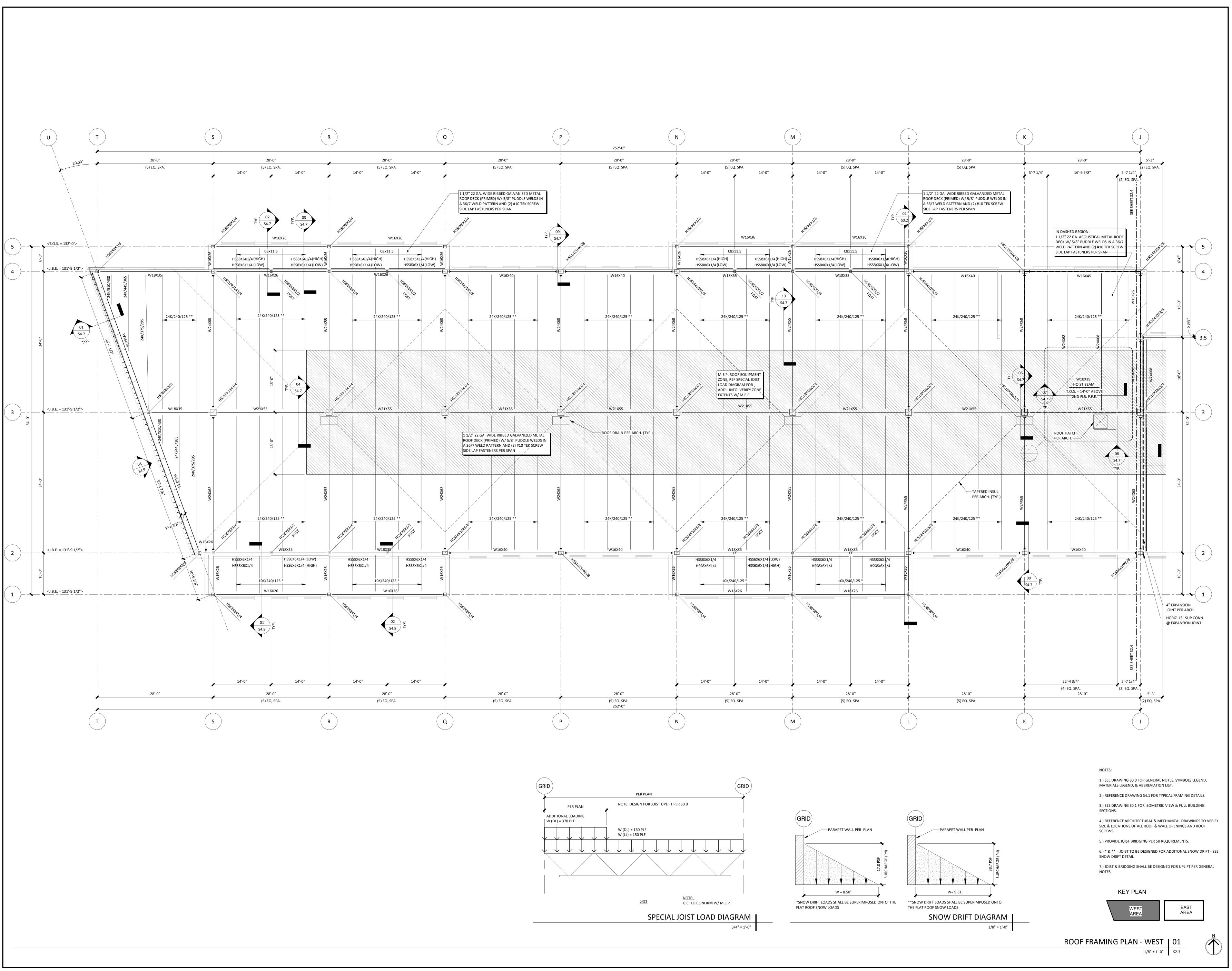
HENDERSON ELECTRICAL **ENGINEERS** FIRE PROTECTION HENDERSON

CONTRACTOR GC

www.BSEstructural.com Project Number 22-125

SHEET TITLE

2ND FLOOR FRAMING PLAN -EAST





FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

 Project No.:
 19050.01a

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

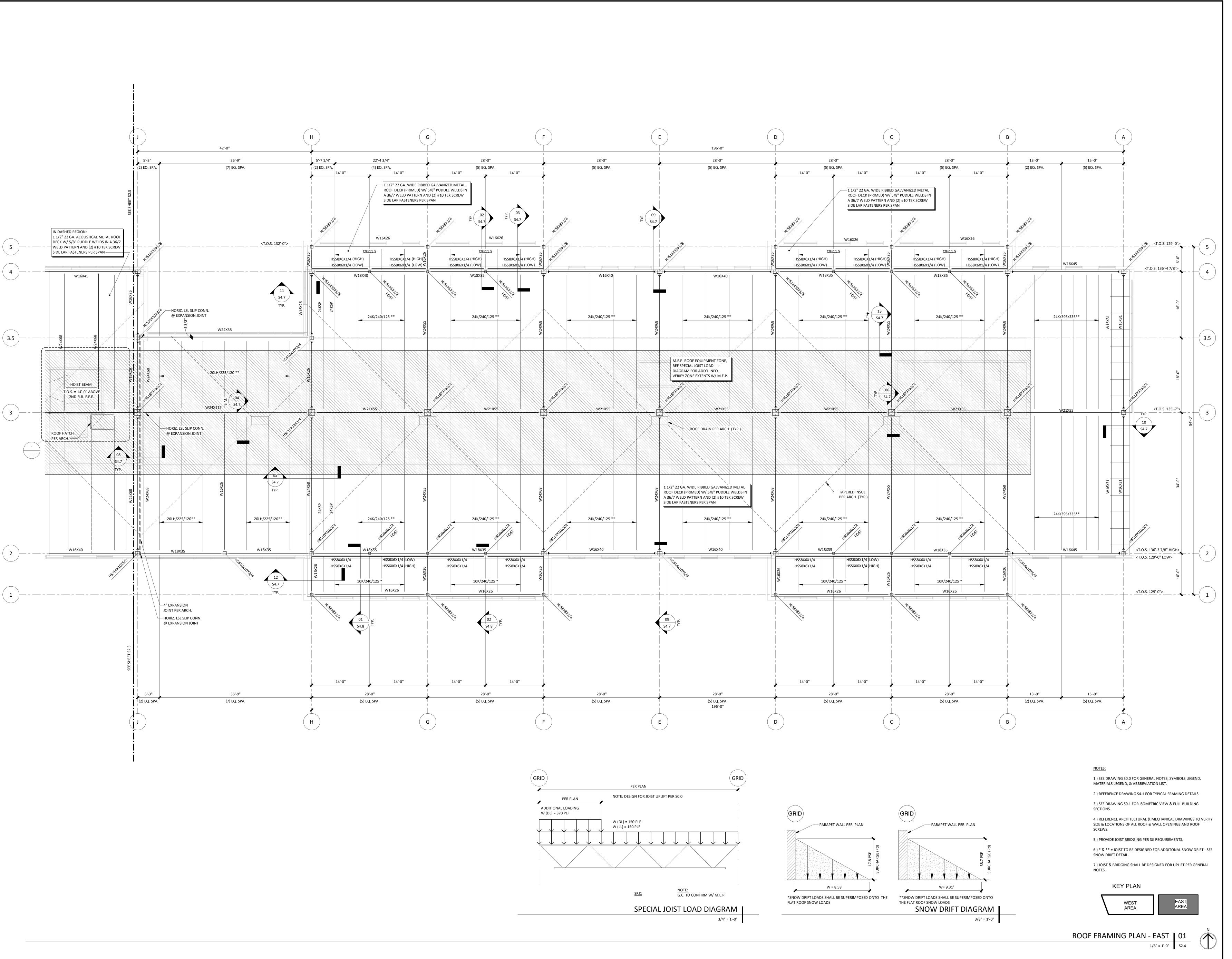


SHEET TITLE

ROOF FRAMING PLAN - WEST

SHEET NUMBER

S2.3





> FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

Project No.: 19050.01a

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Description

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STRUCTURAL ENGINEERS

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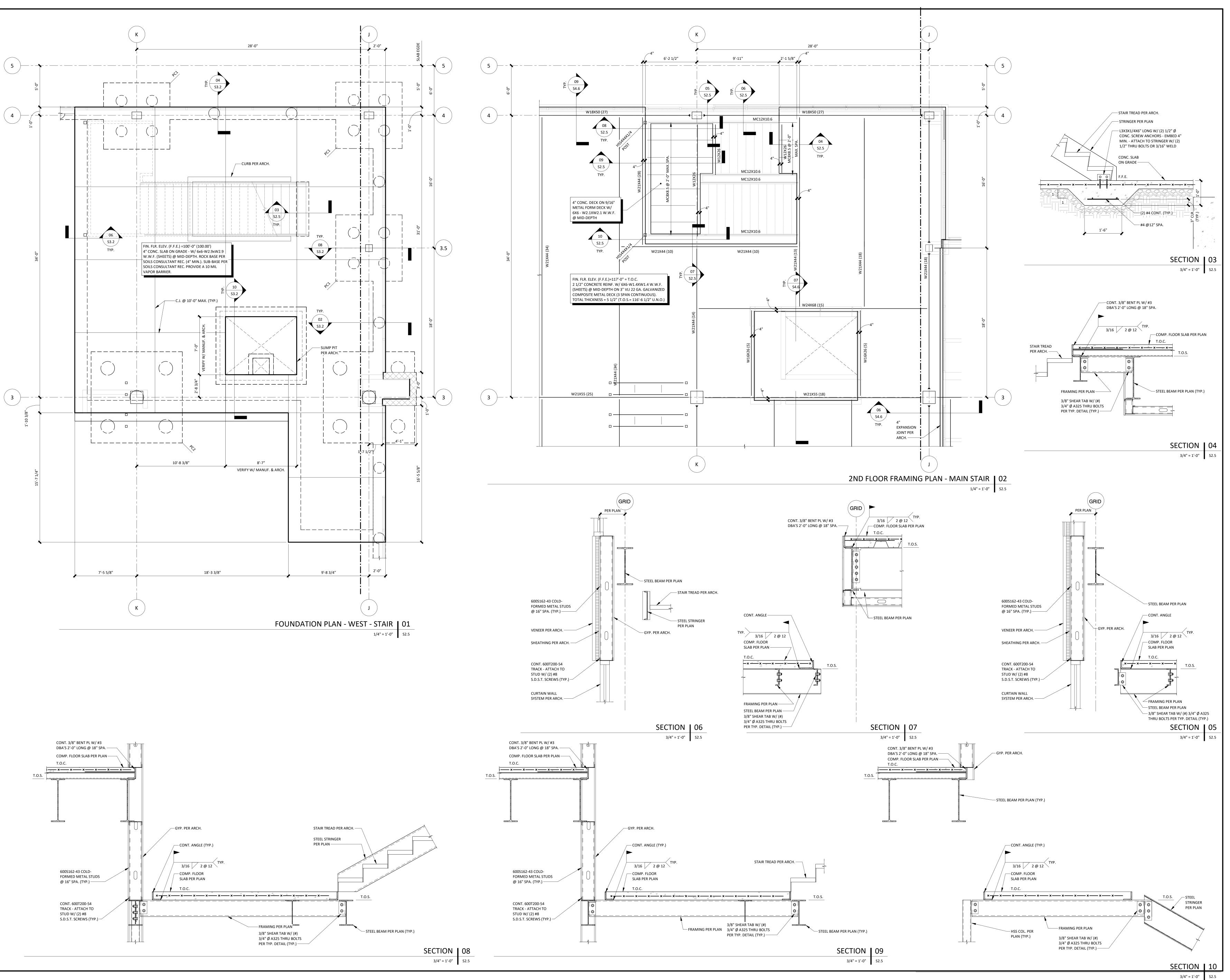
Project Number 22-125

SHEET TITLE

ROOF FRAMING PLAN - EAST

SHEET NUMBER

S2.4





FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

<u>o.</u>	Date	Description
		REVISIONS
sue	d For:	PERMIT
ate:		05.06.2022
oje	ct No.:	19050.01a

REGISTRATION

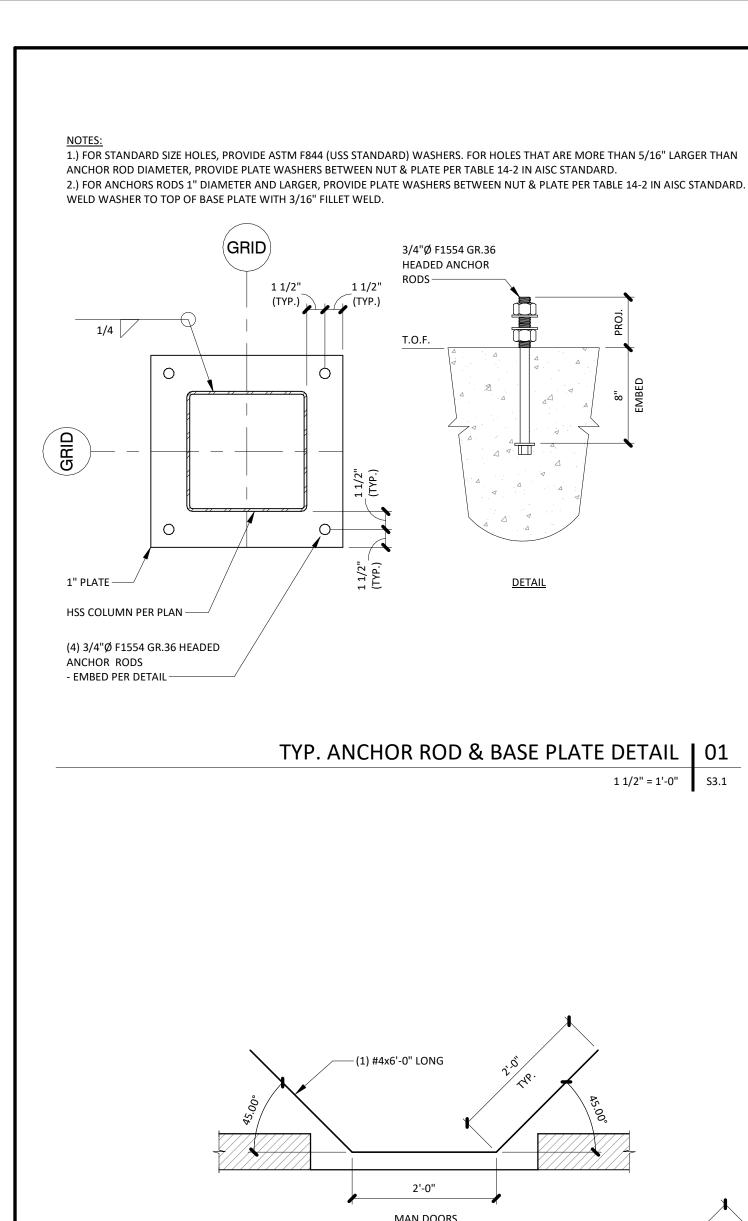


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SHEET TITLE

MAIN STAIR FRAMING



— (1) #4 4'x0'" LONG EA. SIDE OF OPENING (TYP.)

WINDOWS AND LARGE DOORS

— PIPE OR CONDUIT PER M.E.P.

– PIPE SLEEVE PER M.E.P.

W/ WATER TIGHT SEAL

- REINF. PER DETAILS

- ADDITIONAL #5 X 6'-6" MIN. CENTERED ON PIPE (TYP.)

2" CLR.

VERT. PENETRATION

2'-0"

TYP. SLAB REINF. @ DOOR DETAIL | 07

3/4" = 1'-0" S3.1

— GRADE BEAM PER PLAN

PIPE SLEEVE PER M.E.P.

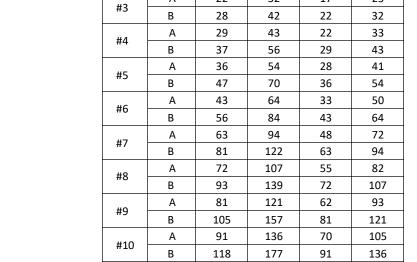
W/ WATER TIGHT SEAL

- REINF. PER DETAILS

– ADDITIONAL #5 X 6'-6"

MIN.CENTERED ON PIPE (TYP.)

PIPE OR CONDUIT PER M.E.P.



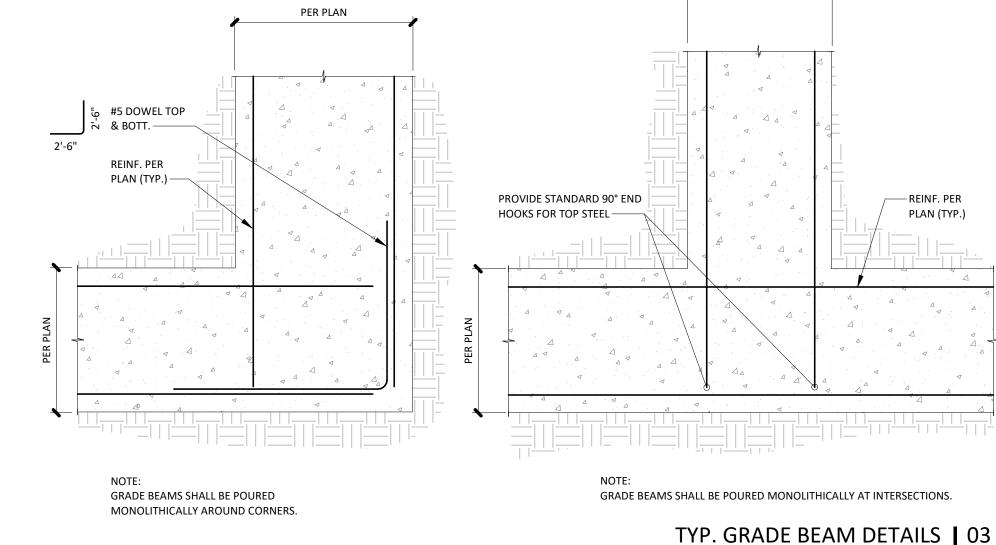
-(1) #5 BAR (TYP.) -(1) #5 @ 4'-0" (TYP.) EA. CORNER TYP. SLAB OPENING DETAIL | 02

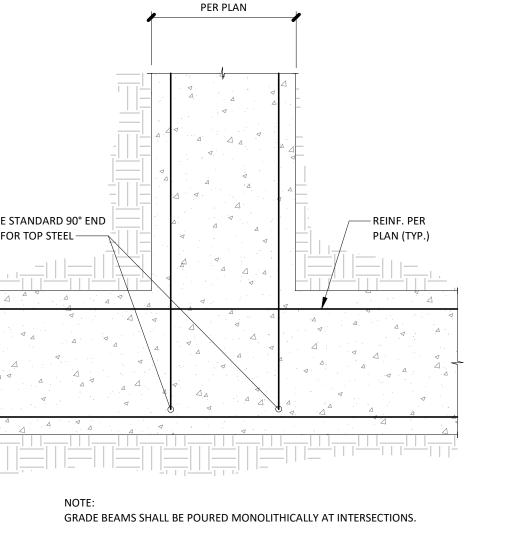
TENSION LAP SPLICE LENGTHS (in)

GRADE 60 UNCOATED BARS

f'c=3000 psi

TOP BARS





COMPRESSION DEVELOPMENT

1.) TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL

2.) COMPRESSION DEVELOPMENT LENGTHS AND COMPRESSION SPLICE LENGTHS ARE

7.) WHEN BARS OF A DIFFERENT SIZE ARE LAP SPLICED, THE SPLICE LENGTH SHALL BE

THE LARGER OF THE DEVELOPMENT LENGTH OF THE LARGER BAR, OR THE SPLICE

COMPRESSION DEVEL. & LAP SPLICE TABLE | 09

1.) FOR STANDARD SIZE HOLES, PROVIDE ASTM F844 (USS STANDARD) WASHER. FOR HOLES THAT ARE MORE THAN 5/16" LARGER THAN ANCHOR ROD

2.) FOR ANCHORS RODS 1" DIAMETER AND LARGER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD. WELD TO TOP OF

BASED ON ACI 318, SECTIONS 12.3 AND 12.16, RESPECTIVELY.

5.) TABLE IS NOT APPLICABLE FOR EPOXY-COATED REINFORCEMENT.

DIAMETER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD

4.) COMPRESSION SPLICE PERMISSIBLE ONLY WHERE SPECIFICALLY NOTED

6.) "SIDE LAP" ALL LAP SPLICES TO MAINTAIN SPECIFIED CONCRETE COVER.

DEV SPLICE DEV SPLICE

#3 9 12 8 12

WEIGHT CONCRETE.

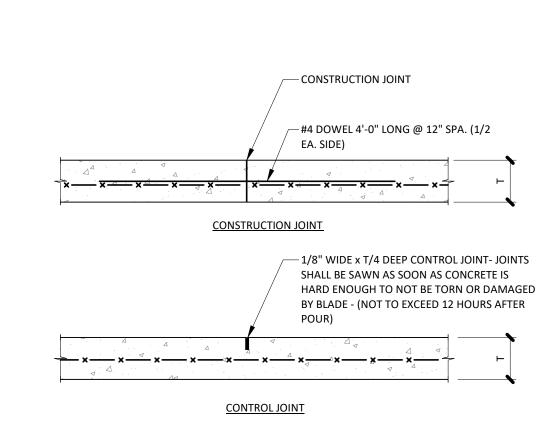
BASE PLATE WITH 3/16" FILLET WELD.

3.) ALL VALUES ARE SHOWN IN INCHES

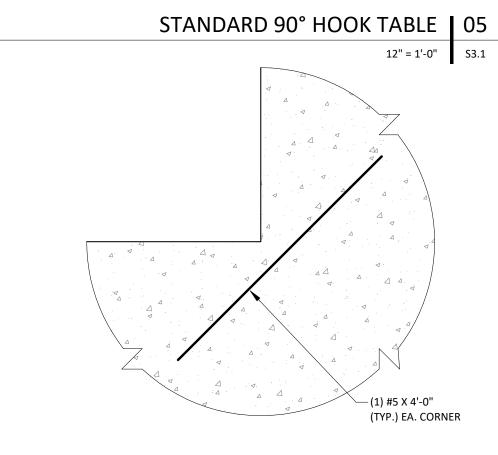
LENGTH OF THE SMALLER BAR.

AND LAP SPLICE LENGTHS GRADE 60 REINFORCEMENT, NORMAL WEIGHT CONCRETE CONCRETE COMPRESSIVE STRENGTH

3/4" = 1'-0" S3.1



∕—3"x3"x3/8" WASHER PL.



STANDARD HOOK TABLE

ноок 8 in.

10 in.

12 in.

14 in.

16 in.

BAR SIZE

#5

#6

#7

#8

TYP. CONTROL & CONST. JOINT DETAIL | 04 3/4" = 1'-0" S3.1

TYP. RE-ENTRANT CORNER REINF. DETAIL | 06 3/4" = 1'-0" S3.1

	di		NCOATED E ·000 psi	DANS	
BAR	LAP	TOP BARS		BARS OTHER BARS	R BARS
SIZE	CLASS	CASE 1	CASE 2	CASE 1	CASE 2
#2	Α	19	28	15	22
#3	В	24	36	19	28
#4	Α	25	37	19	29
#4	В	32	48	25	37
#5	Α	31	47	24	36
	В	40	60	31	47
#6	Α	37	56	29	43
	В	48	72	37	56
#7	Α	54	81	42	63
	В	70	106	54	81
#8	Α	62	93	48	72
	В	80	121	62	93
#9	Α	70	105	54	81
	В	91	136	70	105
	Α	79	118	61	91
#10	В	102	153	79	118
#11	Α	87	131	67	101
#11	В	113	170	87	131

TENSION LAP SPLICE LENGTHS (in)

	` ′				
OATED E	BARS				
0 psi			TABULATED VALUES ARE BASED ON GRADE 60 REIN		
RS	OTHER	R BARS	NORMAL-WEIGHT CONCRETE.		
CASE 2	CASE 1	CASE 2	2. TENSION DEVELOPMENT LENGTHS AND TENSION LA		
28	15	22	BASED ON ACI 318, SECTIONS 12.2.2 AND 12.15, RESPE		
36	19	28	3. TABULATED VALUES FOR BEAMS OR COLUMNS ARE		
37	19	29	REINFORCEMENT AND CONCRETE COVER MEETING MIN		
48	25	37	REQUIREMENTS. LENGTHS ARE IN INCHES.		
47	24	36			
60	31	47	4. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF ST		
56	29	43	CONCRETE COVER, AND THE CENTER-TO-CENTER SPACE DEFINED AS:		
72	37	56	DEFINED AS.		
81	42	63	BEAMS OR COLUMNS:		
106	54	81	CASE 1: COVER AT LEAST (1) BAR DIAMETER ANI		
93	48	72	CC. SPACING AT LEAST (2) BAR DIAMETERS		
121	62	93			
105	54	81	CASE 2: COVER LESS THAN (1) BAR DIAMETER A		
136	70	105	CC. SPACING LESS THAN (2) BAR DIAMETERS		
118	61	91	ALL OTHERS:		

LATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND -WEIGHT CONCRETE. ION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE N ACI 318, SECTIONS 12.2.2 AND 12.15, RESPECTIVELY.

LATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE CEMENT AND CONCRETE COVER MEETING MINIMUM CODE MENTS. LENGTHS ARE IN INCHES.

5 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS ARE

ASE 2: COVER LESS THAN (1) BAR DIAMETER AND

ALL OTHERS: CASE 1: COVER AT LEAST (1) BAR DIAMETER AND

C.-C. SPACING AT LEAST (3) BAR DIAMETERS

CASE 2: COVER LESS THAN (1) BAR DIAMETER AND C.-C. SPACING LESS THAN (3) BAR DIAMETERS

5. LAP CLASS A VALUES ARE THE REQUIRED TENSION DEVELOPMENT LENGTHS, ld; LAP SPLICE LENGTHS ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS;

CLASS A - 1.0ld AND CLASS B = 1.3ld (ACI 318, SECTION 12.15.1)

6. LAP CLASS B SHALL BE USED FOR ALL CASES UNLESS APPROVED BY E.O.R 7. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF

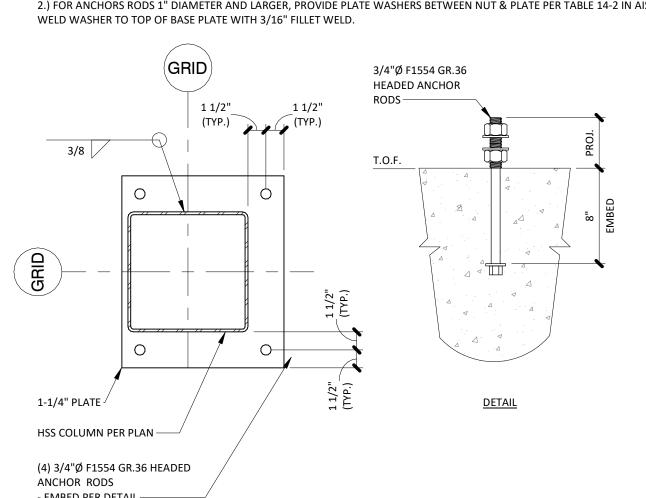
CONCRETE CAST BELOW THE BARS.

8.) LENGTHS SHOWN ARE FOR UNCOATED BARS. LENGTHS SHOWN SHALL BE MULTIPLIED BY 1.2 FOR ALL EXPOXY COATED BARS (ACI 318 SECTION 12.2.4)

9.) WHEN BARS OF DIFFERENT SIZES ARE LAP SPLICED, THE SPLICE LENGTH FOR THE LARGER BAR SHALL BE USED.

LAP SPLICE LENGTHS f'c=4000 psi | 10

1/2" = 1'-0" S3.1 1.) FOR STANDARD SIZE HOLES, PROVIDE ASTM F844 (USS STANDARD) WASHERS. FOR HOLES THAT ARE MORE THAN 5/16" LARGER THAN ANCHOR ROD DIAMETER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD. 2.) FOR ANCHORS RODS 1" DIAMETER AND LARGER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD.





CASE 1 | CASE 2 | CASE 1 | CASE 2

1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL-WEIGHT CONCRETE. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE

1/2" = 1'-0" S3.1

BASED ON ACI 318, SECTIONS 12.2.2 AND 12.15, RESPECTIVELY.

3. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS. LENGTHS ARE IN INCHES.

4. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS ARE

CASE 1: COVER AT LEAST (1) BAR DIAMETER AND C.-C. SPACING AT LEAST (2) BAR DIAMETERS

CASE 2: COVER LESS THAN (1) BAR DIAMETER AND C.-C. SPACING LESS THAN (2) BAR DIAMETERS

C.-C. SPACING AT LEAST (3) BAR DIAMETERS

CASE 2: COVER LESS THAN (1) BAR DIAMETER AND C.-C. SPACING LESS THAN (3) BAR DIAMETERS

CASE 1: COVER AT LEAST (1) BAR DIAMETER AND

5. LAP CLASS A VALUES ARE THE REQUIRED TENSION DEVELOPMENT LENGTHS, ld; LAP SPLICE LENGTHS ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS; CLASS A - 1.0ld AND CLASS B = 1.3ld (ACI 318, SECTION 12.15.1)

6. LAP CLASS B SHALL BE USED FOR ALL CASES UNLESS APPROVED BY E.O.R

7. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.

8.) LENGTHS SHOWN ARE FOR UNCOATED BARS. LENGTHS SHOWN SHALL BE MULTIPLIED BY 1.2 FOR ALL EXPOXY COATED BARS (ACI 318 SECTION 12.2.4)

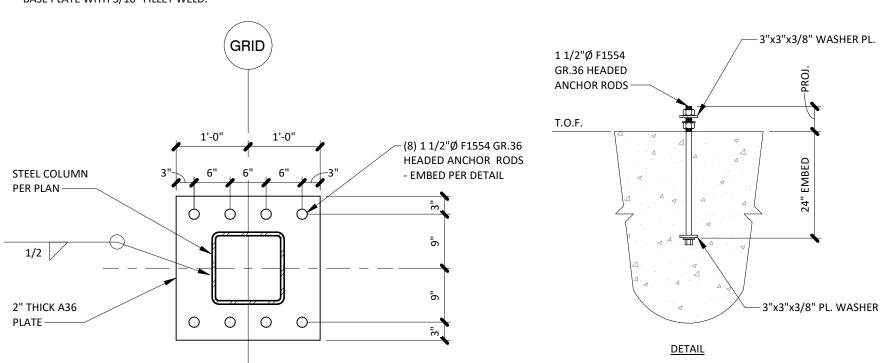
9.) WHEN BARS OF DIFFERENT SIZES ARE LAP SPLICED, THE SPLICE LENGTH FOR

THE LARGER BAR SHALL BE USED.

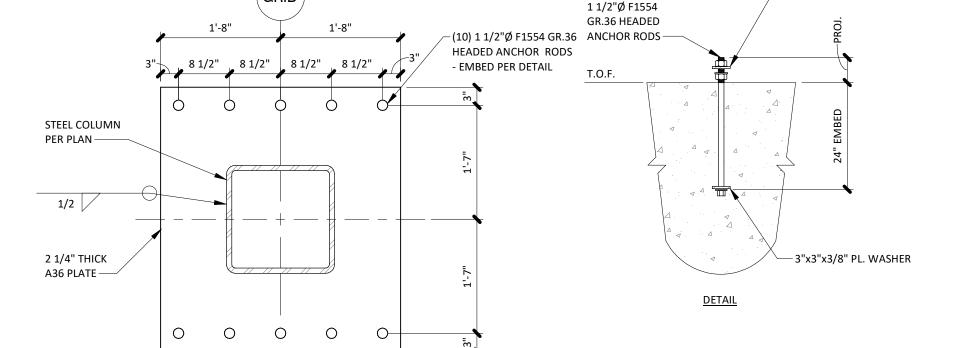
LAP SPLICE LENGTHS f'c=3000 psi | 08 1/2" = 1'-0" S3.1

3/4" = 1'-0" S3.1

1.) FOR STANDARD SIZE HOLES, PROVIDE ASTM F844 (USS STANDARD) WASHER. FOR HOLES THAT ARE MORE THAN 5/16" LARGER THAN ANCHOR ROD DIAMETER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD 2.) FOR ANCHORS RODS 1" DIAMETER AND LARGER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD. WELD TO TOP OF BASE PLATE WITH 3/16" FILLET WELD.



DETAIL
TYP. BASE PLATE DETAIL - 12" MOMENT FRAME COLUMN 12



1/2" = 1'-0" S3.1

TYP. BASE PLATE DETAIL - 18" MOMENT FRAME COLUMN	13
3/4" = 1'-0"	S3.1

1.) FOR STANDARD SIZE HOLES, PROVIDE ASTM F844 (USS STANDARD) WASHER. FOR HOLES THAT ARE MORE THAN 5/16" LARGER THAN ANCHOR ROD DIAMETER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD 2.) FOR ANCHORS RODS 1" DIAMETER AND LARGER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD. WELD TO TOP OF

TYPICAL GRADE BEAM PENETRATION DETAILS 11

3/4" = 1'-0" \$3.1

HORIZ. PENETRATION

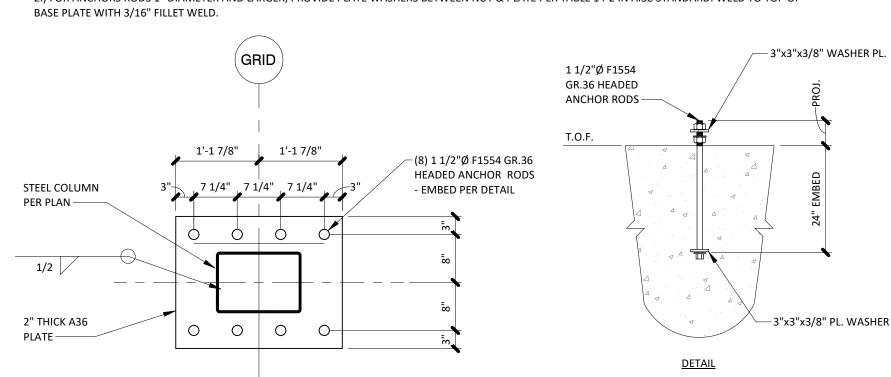
1.) CENTER BAR IN GRADE BEAM ALLOWED TO BE MOVED TO PROVIDE 2" CLEAR BY PIPING. ADD #5

2.) COORDINATE LOCATION OF PIPING WITH M.E.P. ACCEPTABLE TO TURN PIPE IN THE MIDDLE THIRD

OF GRADE BEAM AND EXIT THROUGH THE SIDE OF THE GRADE BEAM. ADDITIONAL #5 BAR SHOWN

ONLY REQUIRED WHEN PIPING PASSES THROUGH TOP OR BOTTOM OF GRADE BEAM.

ON OPPOSITE SIDE OF PIPING EXTENDING 3'-0" EACH SIDE OF PIPE.



TYP. BASE PLATE DETAIL - 14" MOMENT FRAME COLUMN | 15

SHEET TITLE **TYPICAL**

PARAGON STAR

BLDG 2 / LOT 9

FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

05.06.2022

REVISIONS

REGISTRATION

BUSEY

PROJECT TEAM

LAND 3

ENGINEERS

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HENDERSON

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11320 West 79th Street Lenexa, Kansas 66214

Phone 913.492.7400 www.BSEstructural.com

Project Number 22-125

FIRE PROTECTION HENDERSON

CONTRACTOR GC

BSE STRUCTURAL

FOUNDATIONS BSE STRUCTURAL

ARCHITECT

LANDSCAPE

STRUCTURAL

PLUMBING

MECHANICAL

ELECTRICAL

CIVIL

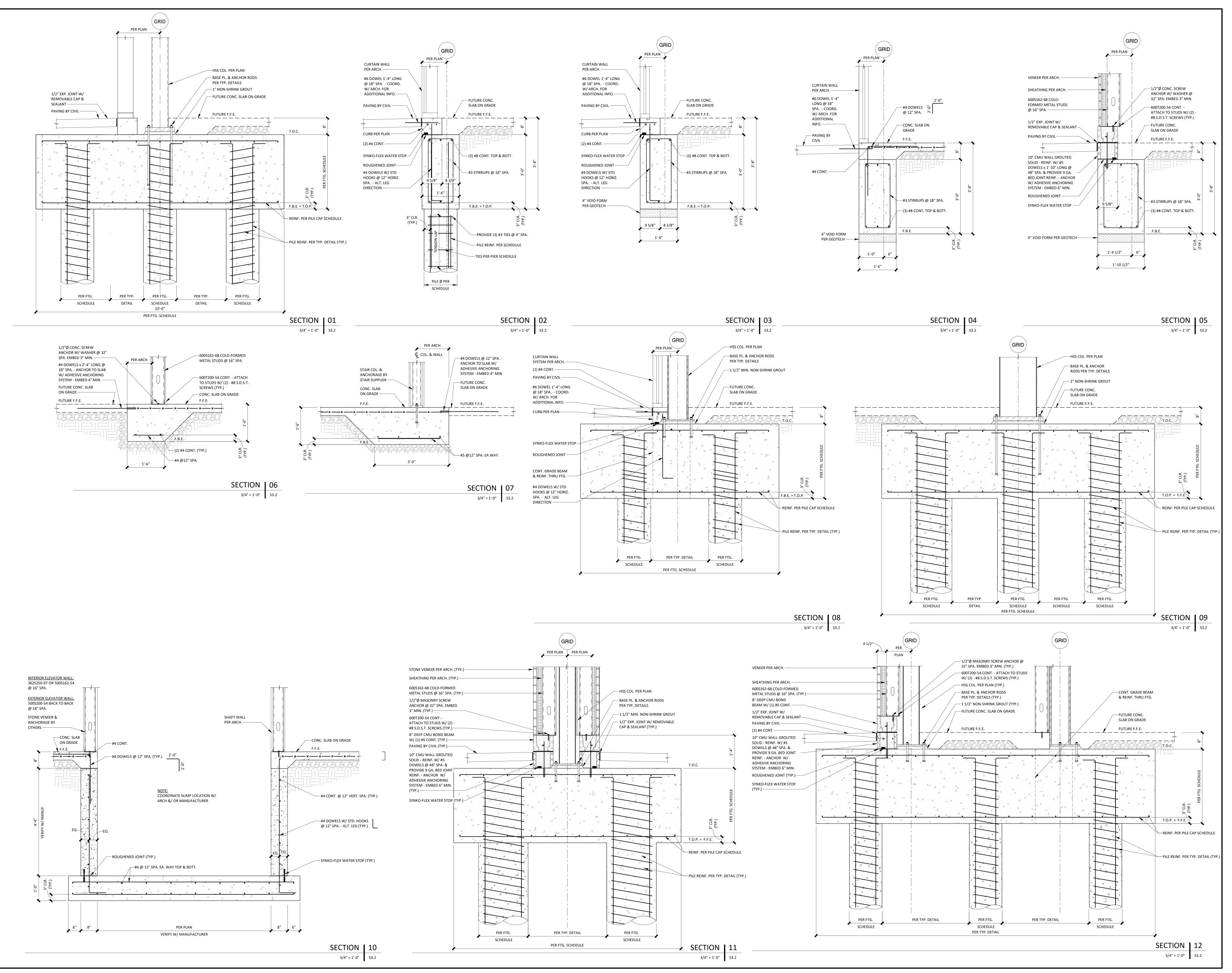
FINKLE+WILLIAMS

ARCHITECTURE

Project No.: 19050.01a

Issued For: PERMIT

FOUNDATION DETAILS





> FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 05.06.2022

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No. Date Description

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

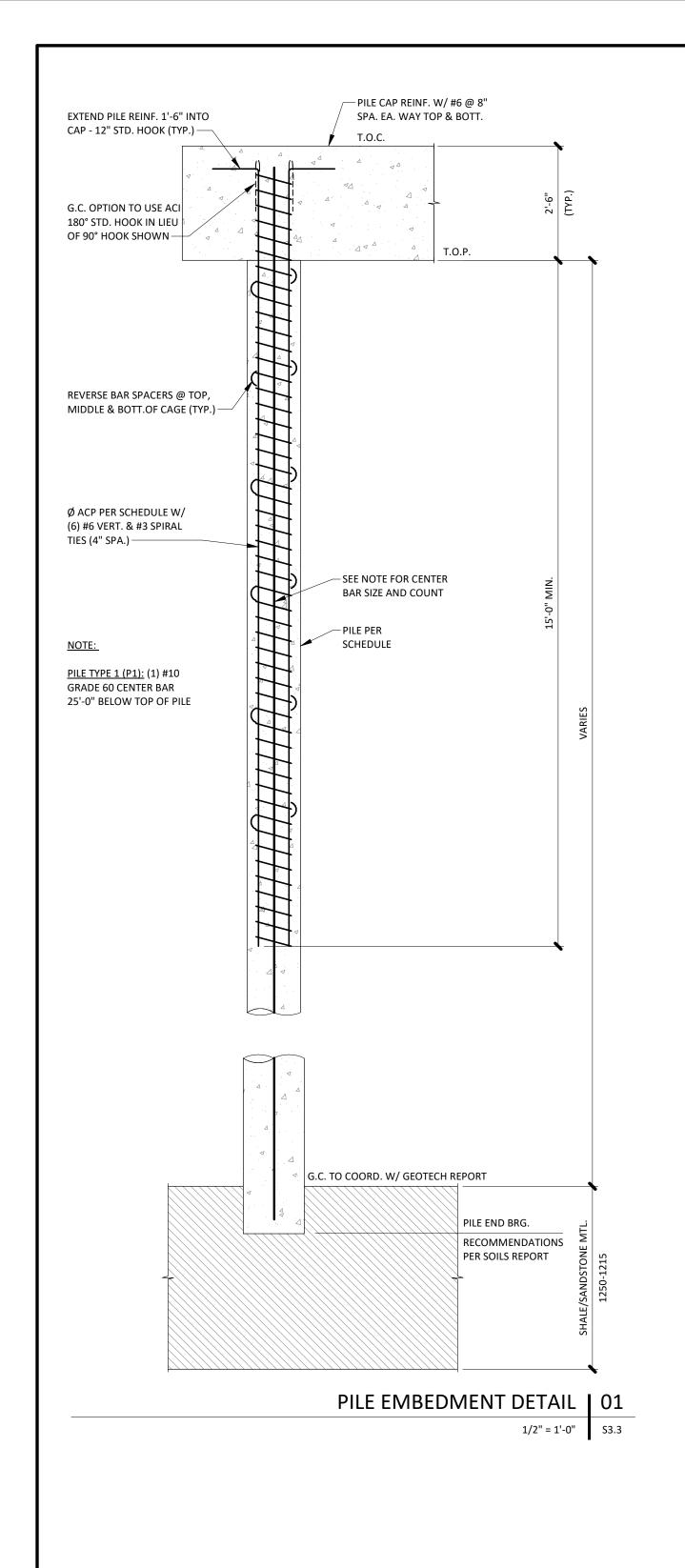
STRUCTURAL ENGINEERS

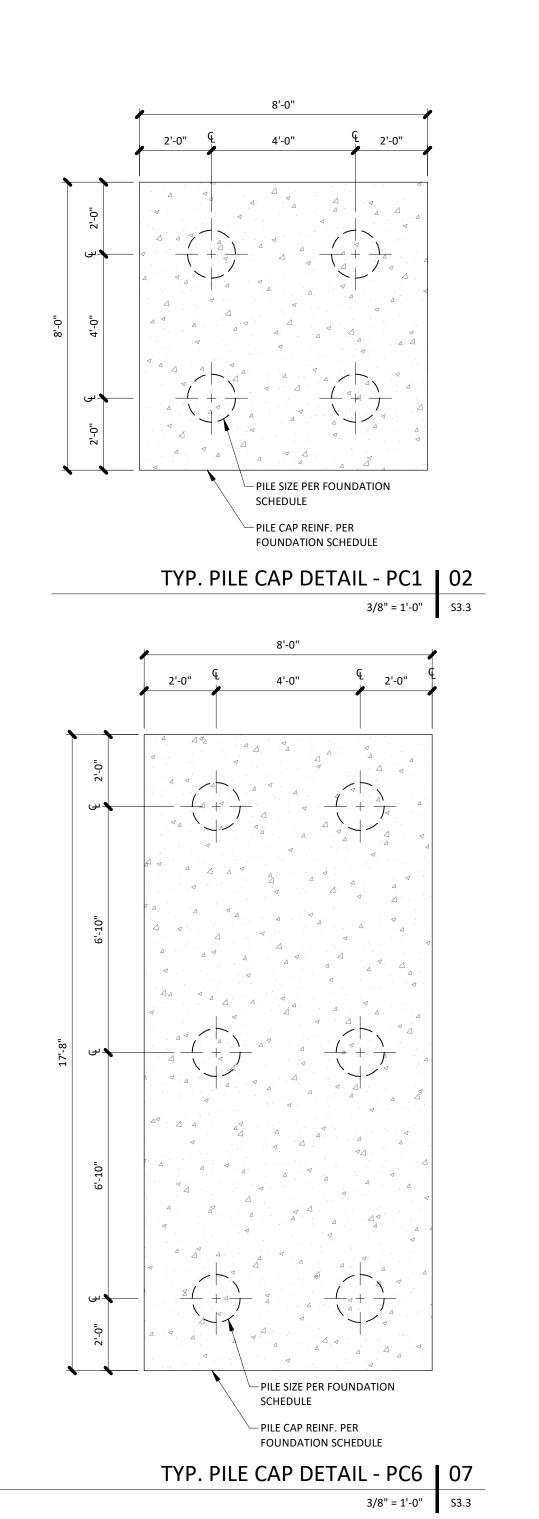
11320 West 79th Street Lenexa, Kansas 66214 Phone 913.492.7400 www.BSEstructural.com

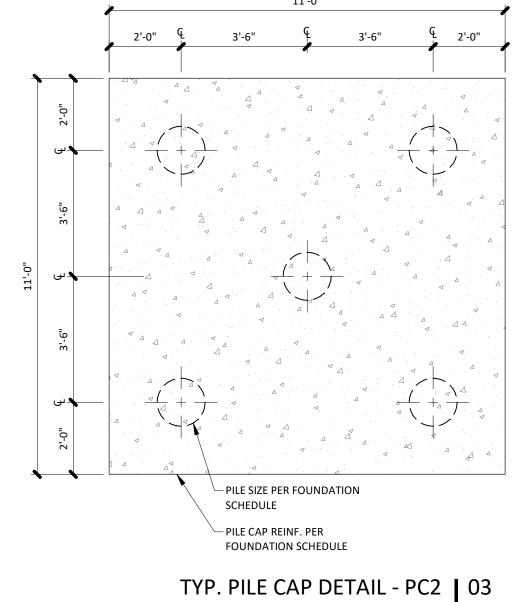
Project Number 22-125

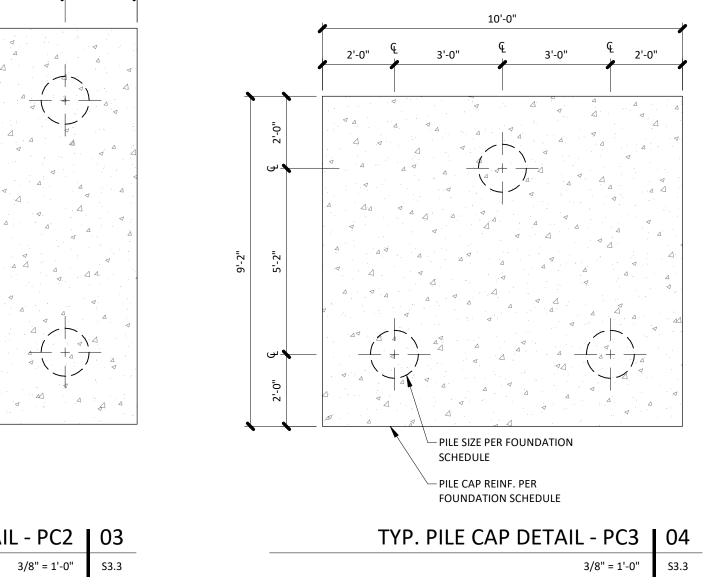
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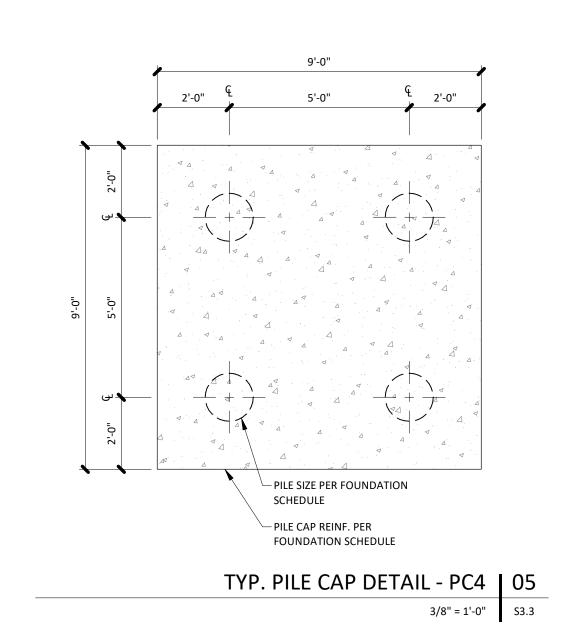
FOUNDATION DETAILS

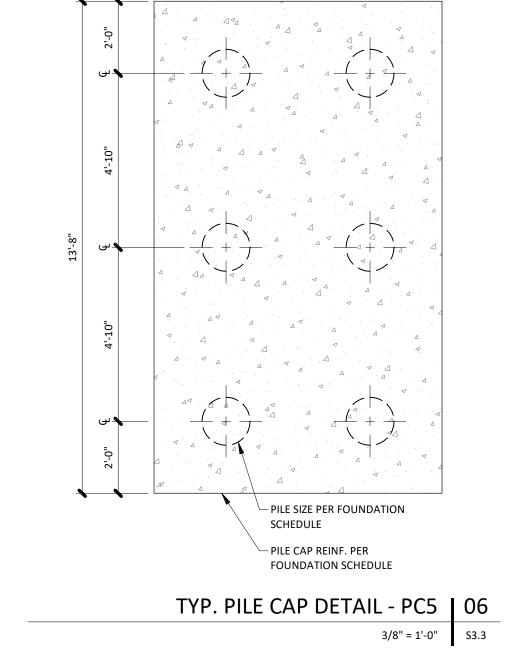














> FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

 Project No.:
 19050.01a

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 05.06.2022

 Issued For:
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 REVISIONS

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 Date
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REGISTRATION

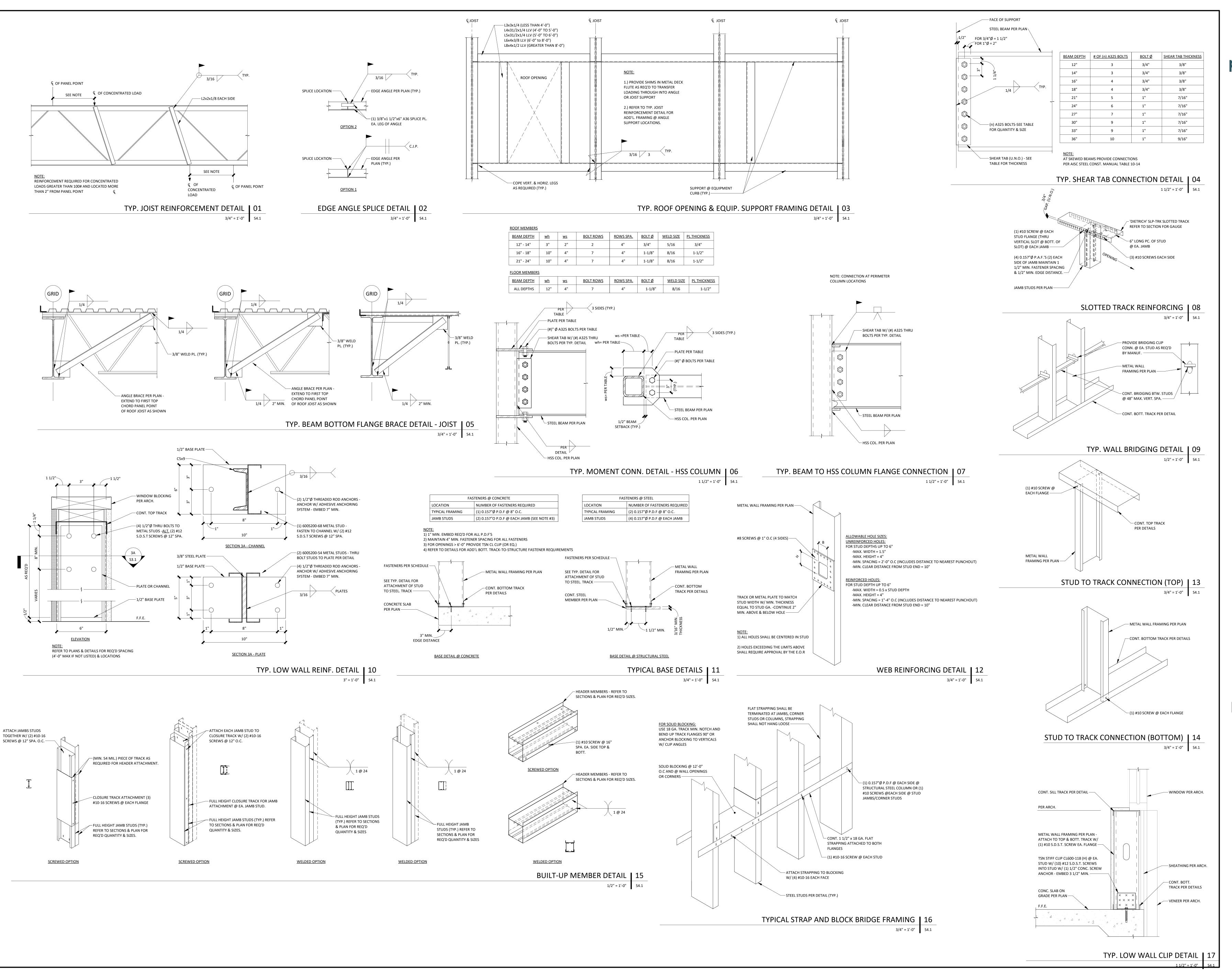


PRC	PROJECT TEAM		
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE		
CIVIL	GBA		
LANDSCAPE	LAND 3		
FOUNDATIONS	BSE STRUCTURAL ENGINEERS		
STRUCTURAL	BSE STRUCTURAL ENGINEERS		
PLUMBING	HENDERSON ENGINEERS		
MECHANICAL	HENDERSON ENGINEERS		
ELECTRICAL	HENDERSON ENGINEERS		
FIRE PROTECTION	ON HENDERSON ENGINEERS		
CONTRACTOR	GC		



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FOUNDATION DETAILS





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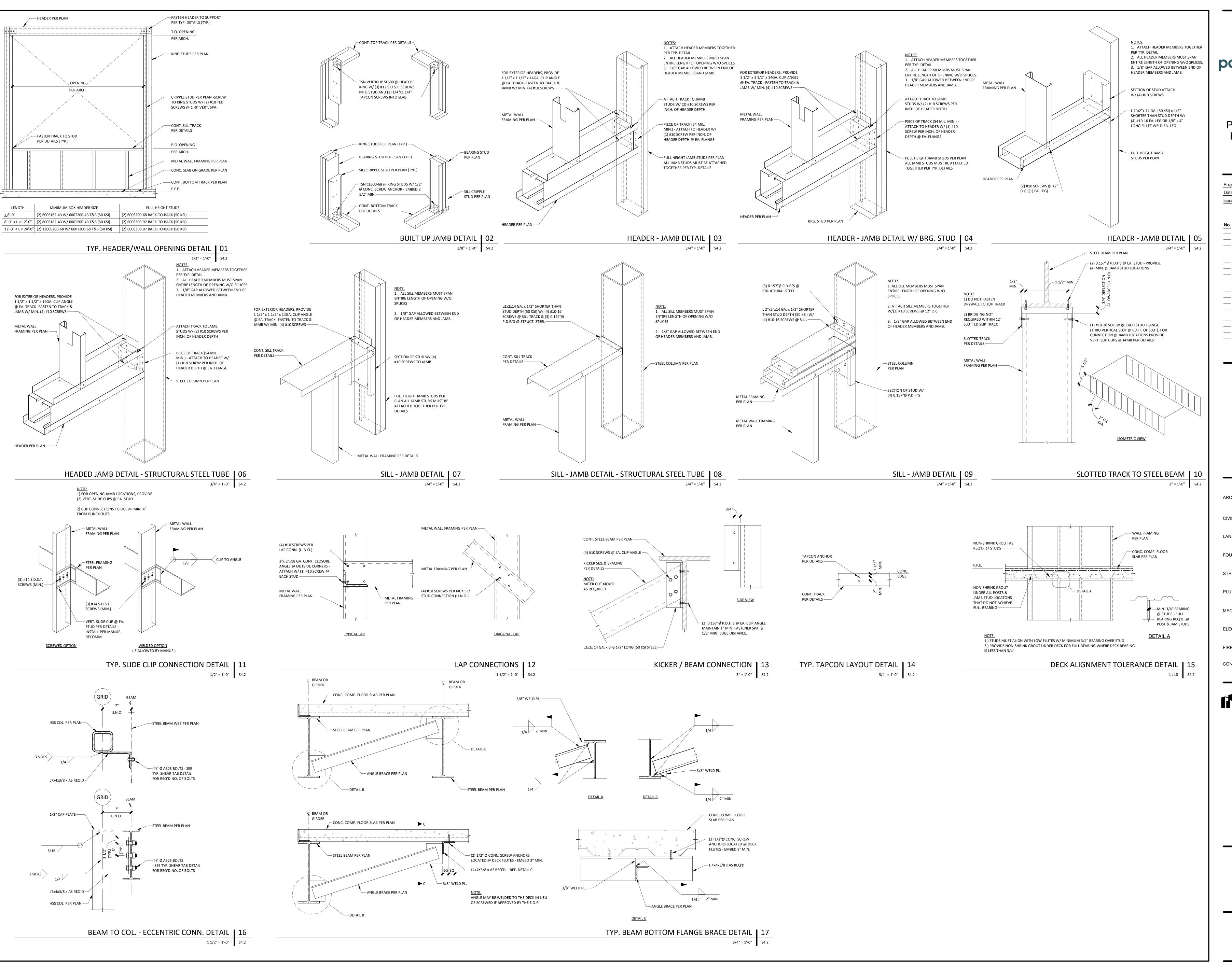
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STRUCTURAL ENGINEERS

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TYPICAL FRAMING DETAILS





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

STRUCTURAL ENGINEERS

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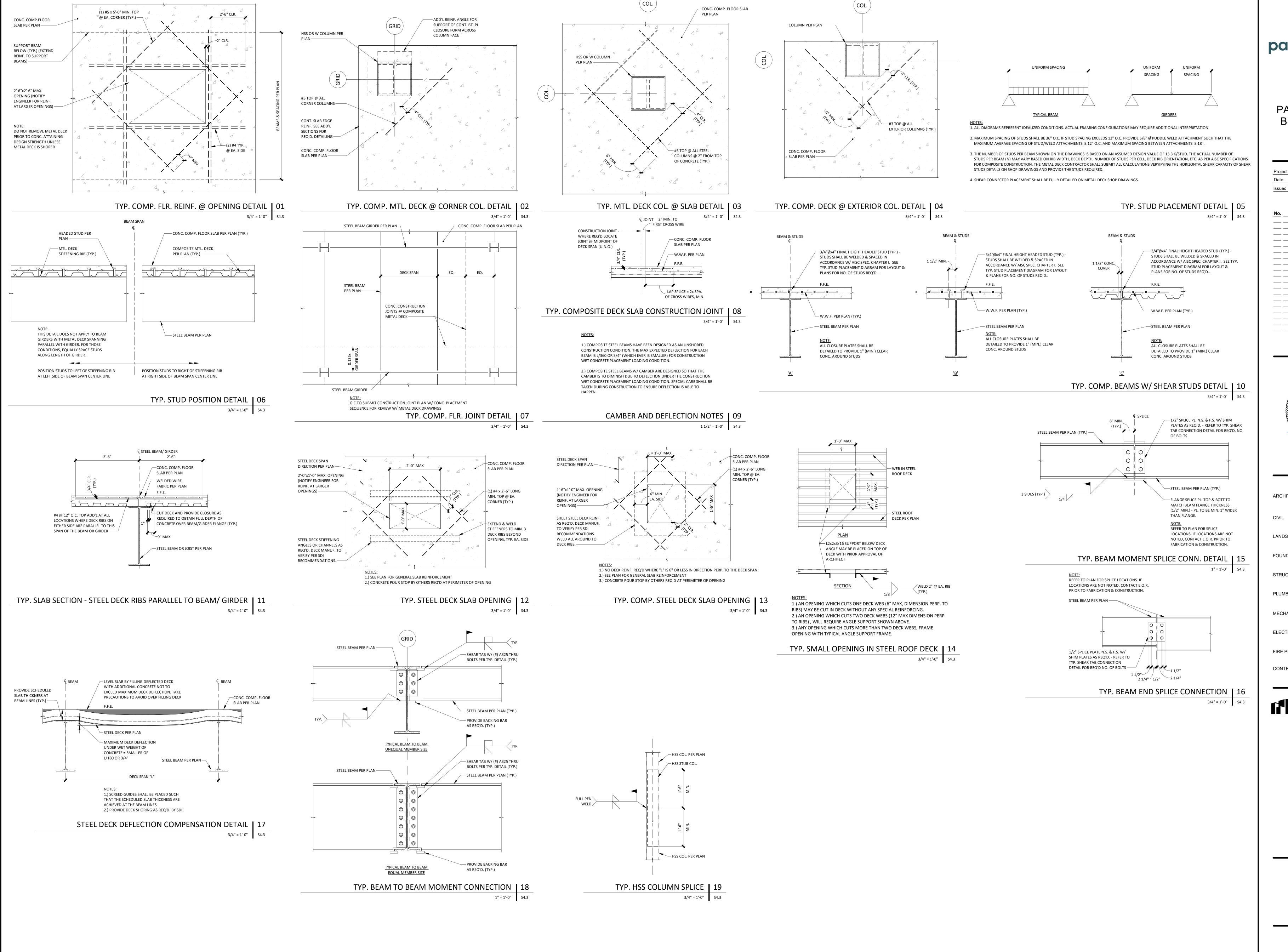
Project Number 22-125

SHEET TITLE

TYPICAL

FRAMING DETAILS

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FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

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

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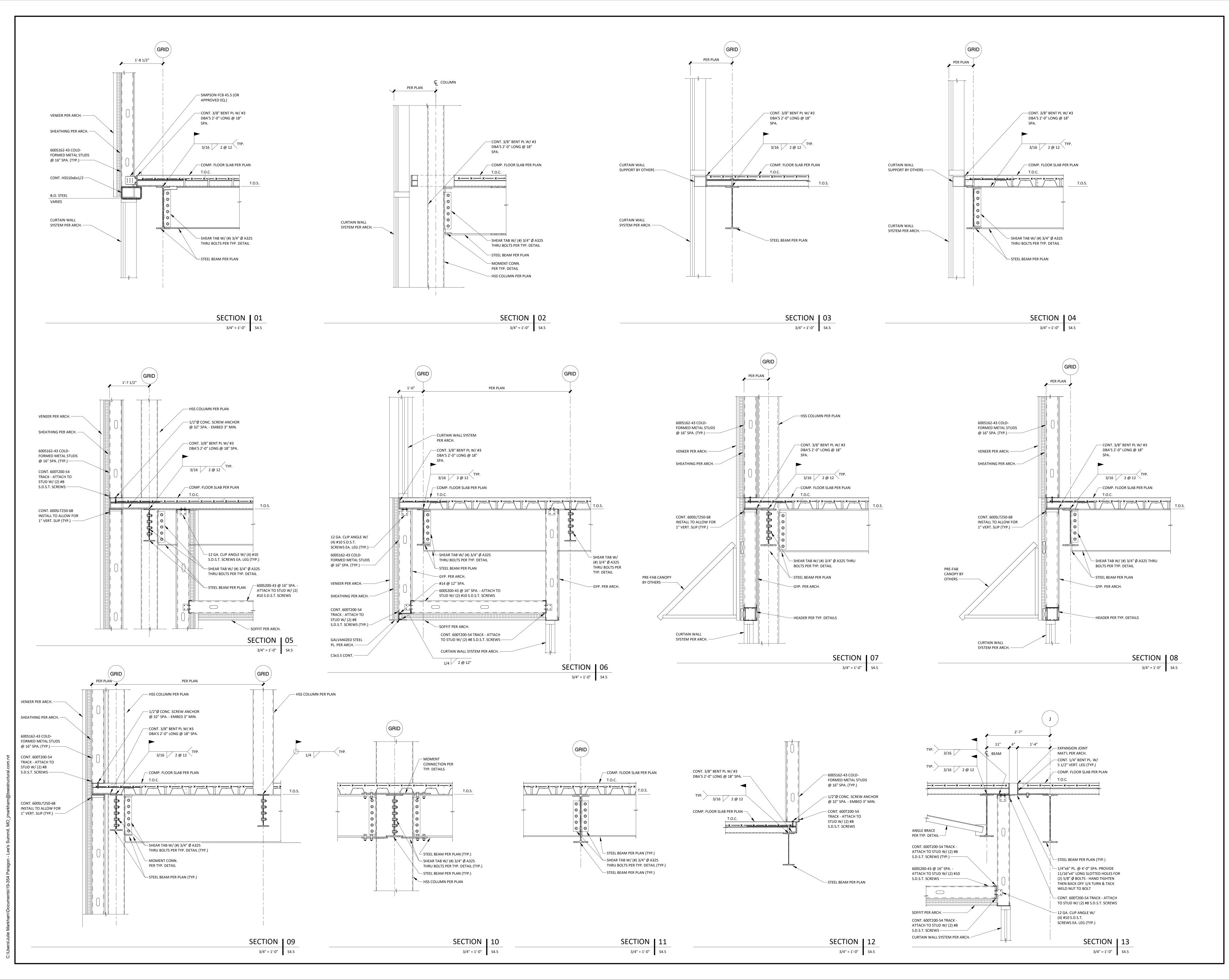
11320 West 79th Street Lenexa, Kansas 66214 Phone 913.492.7400 www.BSEstructural.com Project Number 22-125

TYPICAL FRAMING

SHEET NUMBER

DETAILS

S4.3





FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

Project No :	19050.01a
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Date:	05.06.2022
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No. Date	Description

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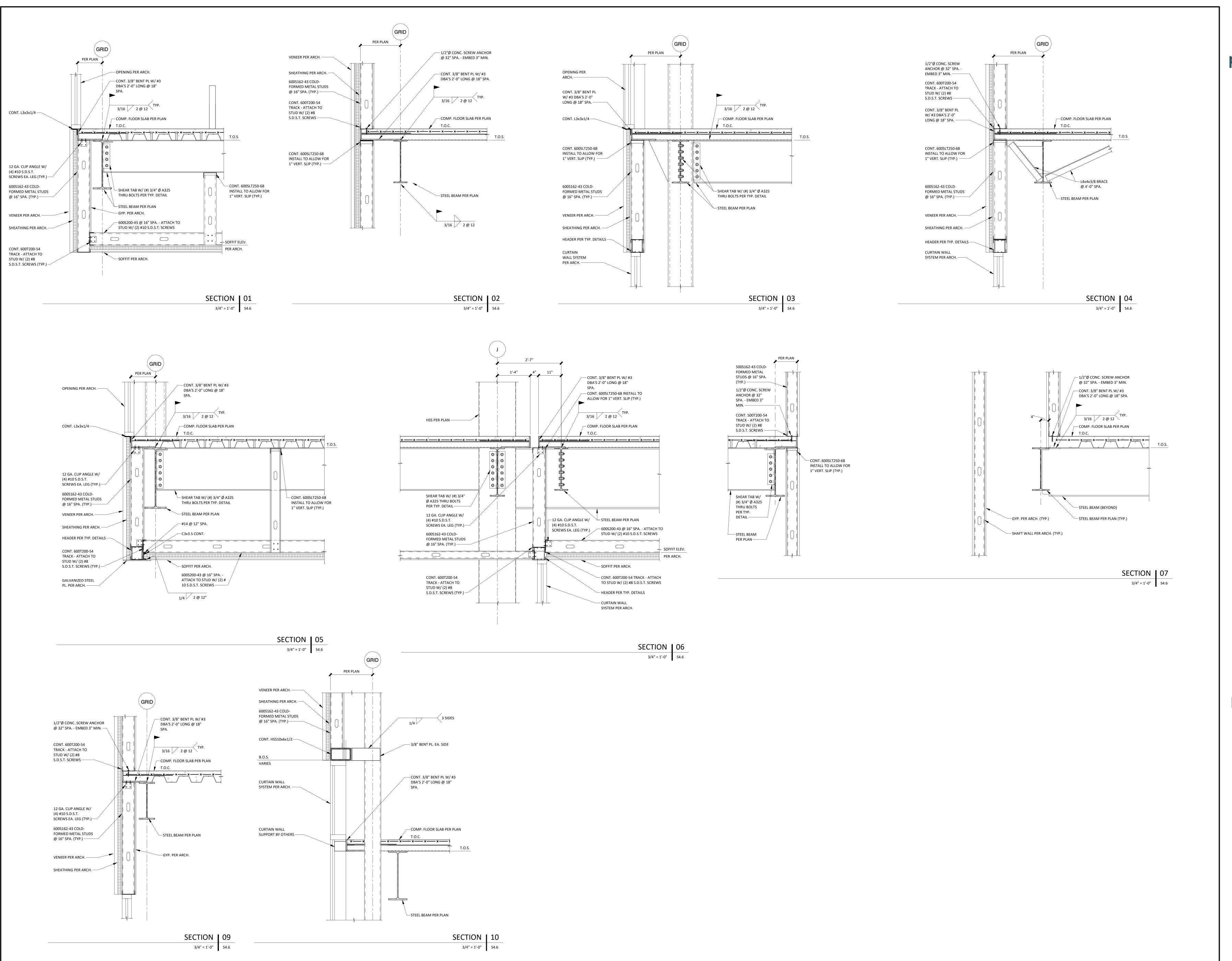


PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE CIVIL LANDSCAPE LAND 3 FOUNDATIONS BSE STRUCTURAL **ENGINEERS BSE STRUCTURAL** STRUCTURAL **ENGINEERS** HENDERSON PLUMBING **ENGINEERS** HENDERSON MECHANICAL **ENGINEERS** HENDERSON ELECTRICAL **ENGINEERS** FIRE PROTECTION HENDERSON **ENGINEERS** CONTRACTOR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



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FRAMING DETAILS





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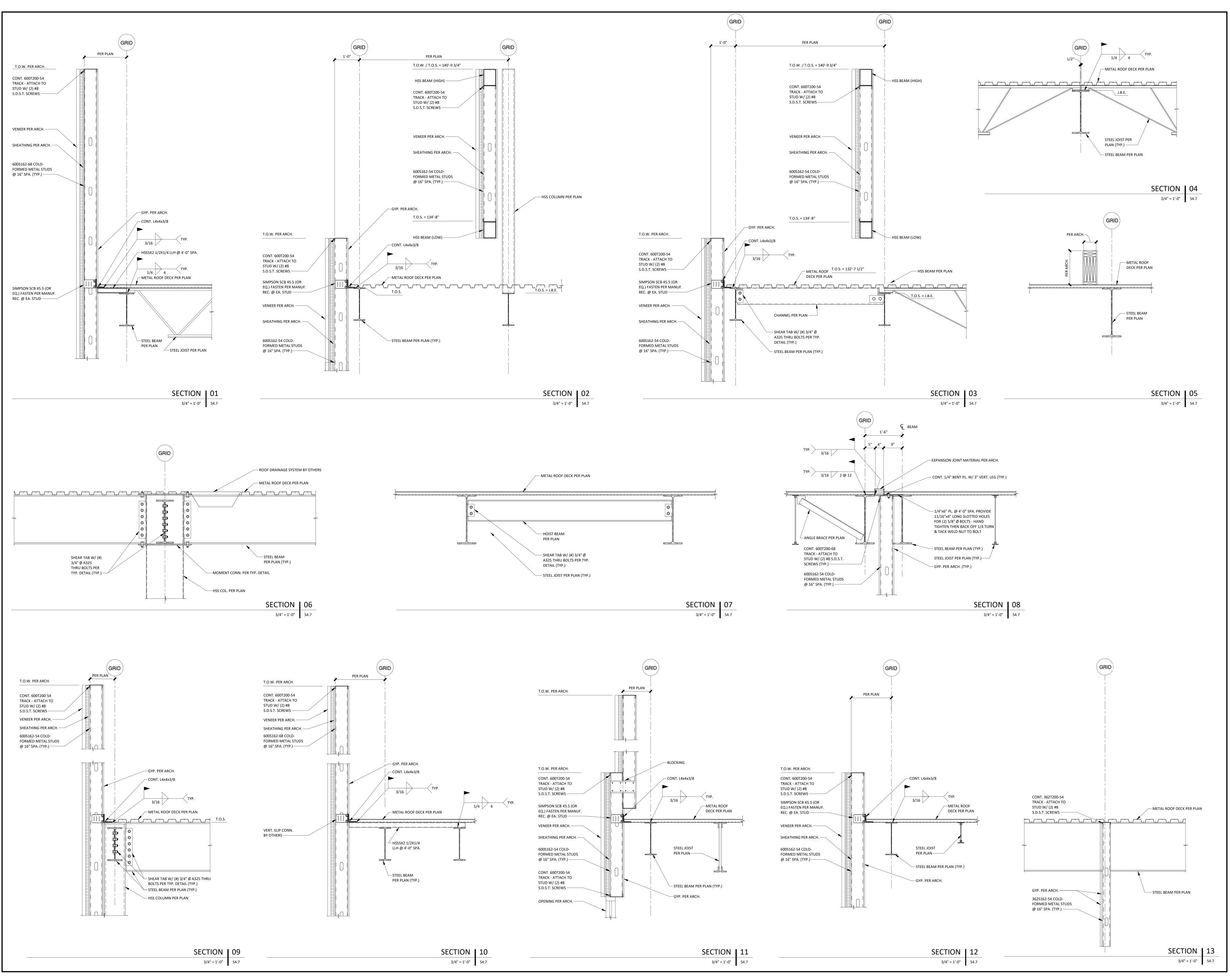
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SHEET TITLE

FRAMING DETAILS

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FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

 Project No.:
 19050.01a

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 05.06.2022

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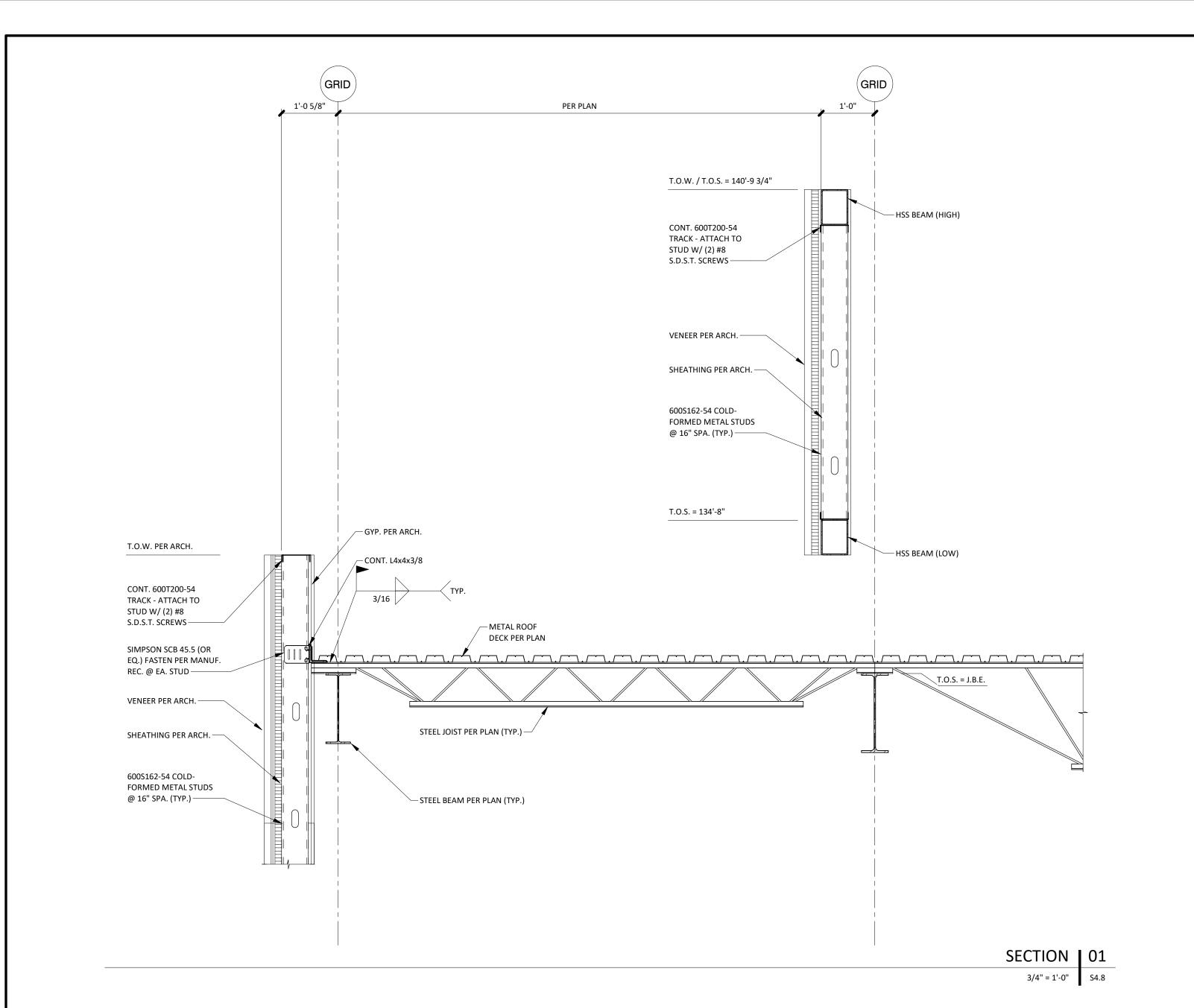


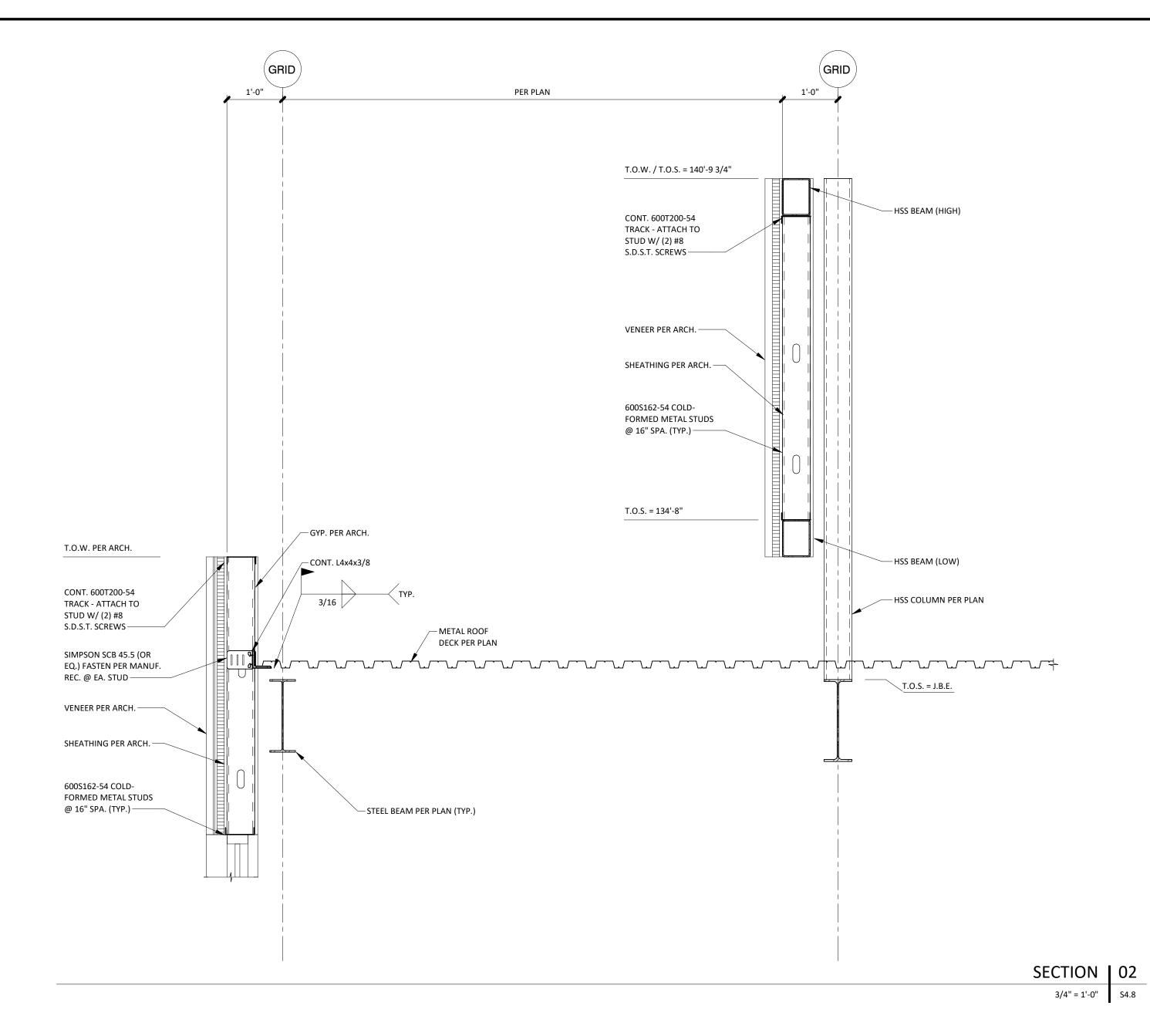
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FRAMING DETAILS



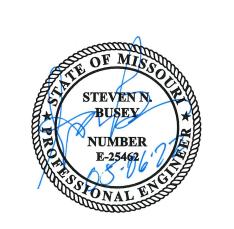




FIRST PLAT, LOT 9 LEE'S SUMMIT, MO

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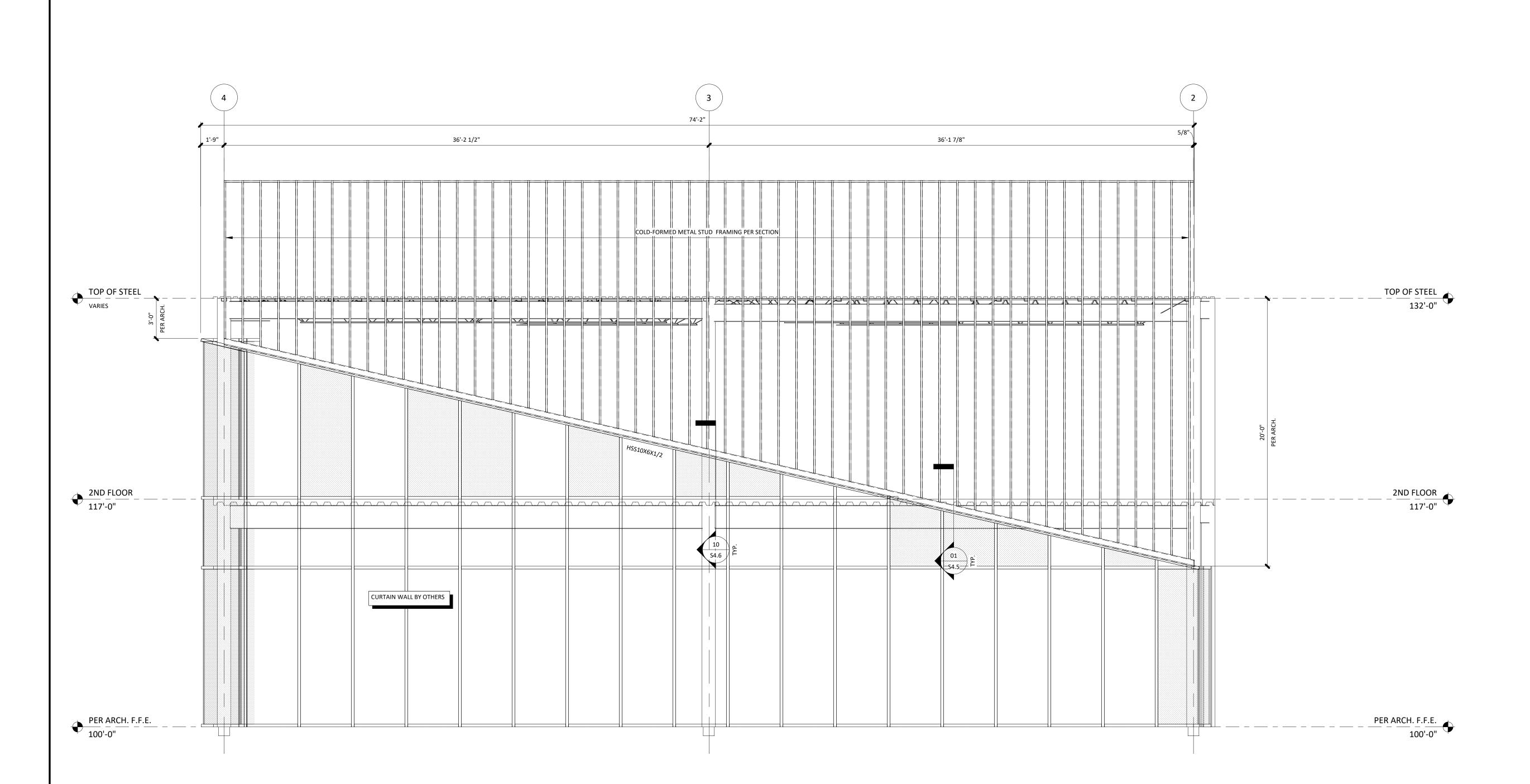
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	ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE				
	CIVIL	GBA				
	LANDSCAPE	LAND 3				
	FOUNDATIONS	BSE STRUCTURAL ENGINEERS				
	STRUCTURAL	BSE STRUCTURAL ENGINEERS				
	PLUMBING	HENDERSON ENGINEERS				
	MECHANICAL	HENDERSON ENGINEERS				
	ELECTRICAL	HENDERSON ENGINEERS				
	FIRE PROTECTION	HENDERSON ENGINEERS				
	CONTRACTOR	GC				



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FRAMING DETAILS

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PARAGON STAR BLDG 2 / LOT 9

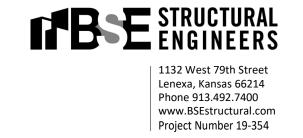
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PROJE	PROJECT TEAM			
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE			
CIVIL	GBA			
LANDSCAPE	HOERR SCHAUDT LAND3			
FOUNDATIONS	BSE STRUCTURAI ENGINEERS			
STRUCTURAL	BSE STRUCTURAI ENGINEERS			
PLUMBING	HENDERSON ENGINEERS			
MECHANICAL	HENDERSON ENGINEERS			
ELECTRICAL	HENDERSON ENGINEERS			
FIRE PROTECTION	FIRE PROTECTION			
CONTRACTOR	FOGEL ANDERSO			



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