RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

Joe Frogge
Digitally signed by Joe Frogge
DN: CN=Joe Frogge, OU=Development, OU=LS Users, DC=COLS, DC=LOC
Reason: release for construction
Date: 2021.06.01 15:20:18-05'00'

C:\Users\efoster\Documents\Paragon Star Retail - Office Building Central_AUDITED_ellenlfoster.rvt

RENDERING FOR CONCEPTUAL REFERENCE ONLY; IMAGE MAY NOT REFLECT LATEST DESIGN. REFERENCE ELEVATIONS AND SCHEDULES FOR FINISHES.

PARAGON STAR - LOT 9 - BUILDING 2

PROJECT NUMBER
19050.01

RELEASE DATE
10.25.19

ISSUED FOR
SHELL - CD SET

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FINKLE + WILLIAMS
ARCHITECTURE

PROJECT ADDRESS
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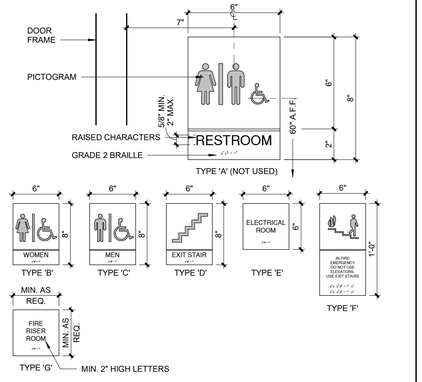
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

ACCESSIBLE SIGNAGE REQUIREMENTS

PERMANENT ROOMS AND SPACES

SEE SCHEDULE BELOW FOR INTERIOR SIGNAGE LOCATIONS:

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



INTERIOR SIGNAGE SCHEDULE

DOOR NO.	ROOM NAME	SIGN TYPE	SIGN TEXT
105.A	FIRE RISER ROOM	G	FIRE RISER ROOM
106.A	ELECTRICAL	E	ELETRICAL ROOM
107.A	ELECTRICAL	E	ELETRICAL ROOM
202.A	ELEVATOR	F	IN FIRE EMERGENCY DO NOT USE ELEVATOR USE EXIT STAIR
203.A	WEST STAIR 2ND FLOOR	D	EXIT STAIR
204.A	EAST STAIR 2ND FLOOR	D	EXIT STAIR
205.A	WOMEN'S RR	B	WOMEN'S RESTROOM
206.A	MEN'S RR	C	MEN'S RESTROOM
208.A	ELECTRICAL	E	ELETRICAL ROOM

1. TACTILE & BRAILE CHARACTERS
   a. CHARACTERS SHALL BE RAISED MINIMUM 1/32"
   b. CHARATERS SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE
2. TYPESTYLES
   a. CHARACTERS SHALL BE UPPER CASE & SANS SERIF OR SERIF TYPESTYLE
   b. CHARACTERS SHALL BE A MINIMUM OF 5/8" HIGH AND MAXIMUM 2" HIGH
      * SIGN TYPE 'G' CHARACTERS TO BE 2" HIGH AS REQUIERD BY LOCAL FIRE DEPT.
3. PICTOGRAMS (SYMBOLS)
   a. PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTORGRAM AS INDICATED.
   b. THE BORDER DIMENSION OF THE PICTORGRAM SHALL BE 6" MIN. IN HEIGHT
4. MATERIAL AND FINISH
   a. CHARACTERS AND BACKGROUND SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH AS RECOMMENDED BY THE SIGN MANUFACTURER.
   b. BACKGROUND SHALL CONSIST OF 1/4" ACRYLIC, COLOR TO MATCH **SW 7068 "GRIZZLE GREY"**
   c. CHARACTERS AND SYMBOLS SHALL BE WHITE
5. MOUNTING LOCATION AND HEIGHT
   a. MOUNT AT 60" ABOVE FINISH FLOOR TO THE CENTER OF SIGN
   b. MOUNT ON WALL ADJACENT TO THE LATCH SIDE OF THE DOOR
   c. IF NO WALL SPACE EXISTS ON THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE LEAF DOORS, MOUNT ON THE NEAREST ADJACENT WALL

DIRECTIONAL INFORMATION

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

TWO-WAY COMMUNICATION DEVICE SIGNAGE

DIRECTIONS FOR THE USE OF THE TWO-WAY COMMUNICATION SYSTEM, INSTRUCTIONS FOR SUMMONING ASSISTANCE CIA THE TWO-WAY COMMUNICATION SYSTEM AND WRITTEN IDENTIFICATION OF THE LOCATION SHALL BE POSTED ADJACENT TO EACH TWO-WAY COMMUNICATION SYSTEM. EACH SIGN SHALL COMPLY WITH ICC A117.1 FOR VISUAL CHARACTERS. MOUNTING LOCATION OF SIGNAGE AND DEVICE SHALL BE PER 4/A6.02.

DRAWING SYMBOLS LEGEND

EXISTING CONSTRUCTION TO REMAIN

EXISTING CONSTRUCTION TO BE DEMOLISHED

NEW CONSTRUCTION

XX — WALL TYPE DESIGNATION - REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DRAWING *A0.02* FOR CONSTRUCTION REQUIREMENTS.

X / X — ROOM NAME AND NUMBER - REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE FINISH SCHEDULE FOR FINISHES.

XX — DOOR AND FRAME DESIGNATION - REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DOOR AND FRAME SCHEDULE FOR REQUIREMENTS.

ELEVATION SYMBOL
X+ / X+ — REFERENCE ELEVATION; REFERENCE SHEET

SECTION SYMBOL
X+ / X+ — REFERENCE SECTION; REFERENCE SHEET

ENLARGED DETAIL / ENLARGED PLAN SYMBOL
X+ / X+ — REFERENCE DETAIL; REFERENCE SHEET

INTERIOR ELEVATION SYMBOL
X.X+ — REFERENCE ELEVATION; REFERENCE SHEET

FINISH DESIGNATION SYMBOL
XX-1 / XX-1 — WALL FINISH DESIGNATION; BASE FINISH DESIGNATION
LIMITS OF WALL AND BASE FINISHES

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

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

X — REVISION NOTE

XX-# — EXTERIOR FINISH DESIGNATION - REFERENCE ELEVATIONS FOR LOCATIONS REFERENCE EXTERIOR MATERIAL LEGEND FOR DESCRIPTIONS.

(#) — RESTROOM ACCESSORY DESIGNATION -

CJ — GYPSUM BOARD CONTROL JOINT - REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DETAIL **13/A7.10** FOR CONSTRUCTION REQUIREMENTS.

CMJ — CONCRETE MASONRY CONTROL JOINT - REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DETAIL **17/A7.10** FOR CONSTRUCTION REQUIREMENTS.

FE — 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.

FEC — FULLY-RECESSED FIRE EXTINGUISHER BY LARSEN'S MANUFACTURING COMPANY, WWW.LARSENMFG.COM OR APPROVED EQUAL: ARCHITECTURAL SERIES, MODEL # AL-2409-R2, ALUMINUM, FULLY-RECESSED, 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

1. 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.
2. ALL NEW CONSTRUCTION SHALL COMPLY W/THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND CHAPTER 11 OF THE INTERNATIONAL BUILDING CODE (INCLUDES ICC A117.1 PER IBC)
3. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES, AND ALL UTILITY CHARGES, AND ARRANGE FOR ALL REQUIRED INSPECTIONS.
4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING BUILDING & SITE UTILITIES BETWEEN CIVIL & MEP DRAWINGS. THE CONTRACTOR SHALL ALSO CONTACT ALL APPLICABLE UTILITY COMPANIES & PROVIDE CONDUIT & OTHER FACILITIES AS REQUIRED.
5. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS & CONDITIONS ON THE JOB SITE PRIOR TO THE BIDDING OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

   IN CASES OF DISCREPANCY CONCERNING DIMENSIONS, QUANTITIES AND LOCATION, THE CONTRACTOR SHALL, IN WRITING, CALL TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES BETWEEN SPECIFICATIONS, PLANS, DETAILS OR SCHEDULES. THE ARCHITECT WILL THEN INFORM THE CONTRACTOR, IN WRITING, WHICH DOCUMENT TAKES PRECEDENCE. THERE SHALL BE NO ADJUSTMENT TO THE COST OR TIME OF THE WORK RESULTING FROM CLARIFICATION OF SUCH DISCREPANCIES.
6. DIMENSIONS ON DRAWINGS ARE SHOWN TO FINISHED FACE OF WALLS AND PARTITIONS OF EXISTING OR NEW CONSTRUCTION UNLESS OTHERWISE NOTED. CEILING HEIGHT DIMENSIONS AND ALL OTHER VERTICAL DIMENSIONS ARE TO THE FINISHED FLOOR SURFACE UNLESS OTHERWISE NOTED.
7. ALL MATERIALS SPECIFIED OR NOTED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS, PRODUCT DATA, OR SAMPLES FOR CASEWORK, FINISHES, DOORS, FRAMES, HARDWARE, MECHANICAL, ELECTRICAL, AND PLUMBING FIXTURES, AND OTHER ITEMS REQUIRING ARCHITECT'S REVIEW FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS, AND FOR ALL ITEMS WHICH ALLOWED CONTRACTOR OPTIONS. PRIOR TO FORWARDING TO THE ARCHITECT FOR REVIEW. THESE SUBMITTALS MUST BE REVIEWED BY THE CONTRACTOR FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL AFFIX 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.
9. CONTRACTOR SHALL GUARANTEE ALL WORK AGAINST FAULT OF ANY MATERIAL OR WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE YEAR AFTER COMPLETION OR ACCEPTANCE. FAULTY WORK SHALL BE REPLACED OR REPAIRED AS REQUIRED AT NO COST TO THE OWNER.
10. 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.
11. CONTRACTOR SHALL COORDINATE CLEAR OPENINGS FOR ALL APPLIANCES PRIOR TO CONSTRUCTION OF CASEWORK.
12. 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.
13. 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.
14. ALL DOOR HARDWARE ON EXIT DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT.
15. 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.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING CONSTRUCTION INDICATED TO REMAIN AND SHALL REPAIR AND/OR REPLACE ALL AREAS AND/OR MATERIALS DAMAGED DURING CONSTRUCTION AT A MINIMUM TO THE CONDITION WHICH EXISTED PRIOR TO CONSTRUCTION.
17. CONTRACTOR SHALL COORDINATE FINAL QUANTITY AND LOCATIONS OF FIRE EXTINGUISHERS WITH THE FIRE DEPARTMENT AND/OR BUILDING DEPARTMENT. SEE SYMBOLS LEGEND FOR TYPE OF EXTINGUISHER.
18. ALL CONSTRUCTION MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND MAXIMUM SMOKE DEVELOPED RATING OF 50.
19. ALL PIPING, LOW VOLTAGE WIRE AND CABLE, OPTICAL FIBER, PNEUMATIC TUBING, AND ALL DUCT AND DUCT COVERINGS, LININGS AND CONNECTORS INSTALLED WITHIN PLENUMS MUST BE RATED FOR PLENUM USE.
20. TENANT SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF VOICE AND DATA CABLING AND EQUIPMENT.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE AUTOMATIC SPRINKLER SYSTEM. THE DESIGN SHALL BE PER NFPA REQUIREMENTS.
22. ALL NEW GLASS AND GLAZING LOCATED IN HAZARDOUS LOCATIONS AS DEFINED IN IBC SECTION 2406.3 SHALL MEET THE REQUIREMENTS FOR SAFETY GLAZING AS DEFINED IN IBC SECTION 2406.
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.

PROFESSIONAL SERVICES DISCLAIMER

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

19050.01, PARAGON STAR - LOT 9 - BUILDING 2 BY FINKLE + WILLIAMS, INC.

THE UNDERSIGNED ARCHITECT, AND FINKLE + WILLIAMS, INC., ARE RESPONSIBLE FOR PREPARATION OF ONLY THE NOTED CONSTRUCTION DRAWINGS BELOW:

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A5.08	WALL SECTIONS	10/25/2019
A5.09	WALL SECTIONS	10/25/2019
A5.10	WALL SECTIONS	10/25/2019
A5.11	WALL SECTIONS	10/25/2019
A5.12	WALL SECTIONS	10/25/2019
A6.01	VERTICAL CIRCULATION	10/25/2019
A6.02	VERTICAL CIRCULATION	10/25/2019
A6.03	VERTICAL CIRCULATION	10/25/2019
A6.04	VERTICAL CIRCULATION	10/25/2019
A6.05	VERTICAL CIRCULATION DETAILS	10/25/2019
A7.01	FOUNDATION DETAILS	10/25/2019
A7.02	DETAILS	10/25/2019
A7.03	DETAILS	10/25/2019
A7.04	DETAILS	10/25/2019
A7.10	PLAN DETAILS	10/25/2019
A7.11	PLAN DETAILS	10/25/2019
A8.01	DOOR SCHEDULE AND DETAILS	10/25/2019
A8.02	DOOR HEAD, JAMB, & SILL DETAILS	10/25/2019
A8.10	FINISH SCHEDULE AND DETAILS	10/25/2019
A8.11	ENLARGED FLOOR FINISH PLANS	10/25/2019
A9.01	REFLECTED CEILING PLANS	10/25/2019
A9.02	ENLARGED REFLECTED CEILING PLANS	10/25/2019
A9.03	ENLARGED REFLECTED CEILING PLANS	10/25/2019
A9.04	ENLARGED REFLECTED CEILING PLANS	10/25/2019
A10.01	EXTERIOR VIEWS	10/25/2019
A10.02	EXTERIOR VIEWS	10/25/2019
A11.10	PROJECT SPECIFICATIONS	10/25/2019
A11.11	PROJECT SPECIFICATIONS	10/25/2019
A11.12	PROJECT SPECIFICATIONS	10/25/2019

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 - LOT 9 - BUILDING 2
ADDRESS: FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

PROPOSED USE: A-2, M, B

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 TYPE	BASIC ALLOWABLE	
USE	GROUP		FLOOR AREA (At)	HEIGHT
BUSINESS	Group (B)	Type 2B	69,000 SF	4 STORIES, 75 FT.
RESTAURANT	Group (A-2)	Type 2B	28,500 SF	3 STORIES, 75 FT.
RETAIL	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: 75', (3) Stories
TOTAL PROPOSED HEIGHT: 40', (2) Stories

AREA MODIFICATIONS (Sec. 506)

YARD INCREASE: (i) I_i = 100 (F/P - 0.25) x W/30 = *%
I_i = 100 (1168'/1168' - 0.25) x 30/30 = 75%

MAXIMUM ALLOWABLE BUILDING AREA (per floor): 49,875 S.F. (UNSEPARATED MIXED USE)

GROUND FLOOR AREA: 33,954 S.F.
SECOND FLOOR AREA: 40,789 S.F.

TOTAL BUILDING AREA: 74,743 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

GENERAL EXITING LIMITATIONS (CHAPTER 10)

OCCUPANT LOAD (1004):

FIRST FLOOR:
MERCANTILE: 5,800 S.F. / 60 S.F. PER OCCUPANT = 97 OCCUPANTS
RESTAURANT: 28,154 S.F. TOTAL
-75% SEATING 21,116 S.F. / 15 S.F. PER OCCUPANT = 1,408 OCCUPANTS
-25% KITCHEN 7,038 S.F. / 200 S.F. PER OCCUPANT = 36 OCCUPANTS

SECOND FLOOR:
BUSINESS: 40,789 S.F. / 150 S.F. PER OCCUPANT = 272 OCCUPANTS

TOTAL BUILDING OCCUPANCY: 1,813 OCCUPANTS

MAXIMUM TRAVEL DISTANCE (1017):
TABLE 1017.2: B = 300 FT (FULLY SPRINKLERED)
M = 250 FT (FULLY SPRINKLERED)
A-2 = 250 FT (FULLY SPRINKLERED)

MINIMUM PLUMBING FIXTURE COUNT (CHAPTER 29)

OCC.	OCCUPANT LOAD	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS~	OTHER
		MALE*	FEMALE	MALE*	FEMALE		
		REQ'D/PROV.	REQ'D/PROV.	REQ'D/PROV.	REQ'D/PROV.	REQ'D/PROV.	
(B)	40,789 SF / 150 = 272	4 / 5*	4 / 5	3 / 4	3 / 4	3 / 3~	1 Serv. 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.

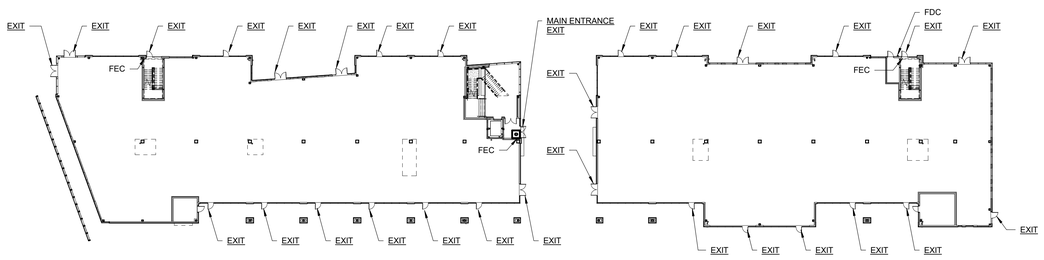
FIRE PROTECTION

FIRE SPINKLER SYSTEM: PROVIDED THROUGHOUT PER IBC 903 AND INSTALLED PER NFPA 13

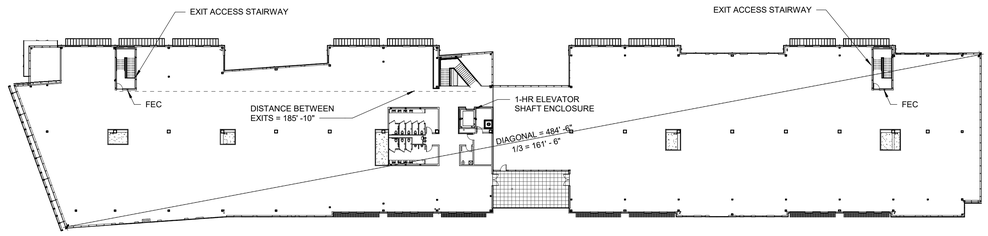
FIRE ALARM & DETECTION SYSTEM: PROVIDED THROUGHOUT PER IBV 907 AND INSTALLED PER NFPA 72

NOTE: REFERENCE FIRE PROTECTION DRAWINGS

CODE REVIEW PLANS



1ST FLOOR PLAN - CODE PLAN | 1/32" = 1'-0"



SECOND FLOOR PLAN | 1/32" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR
- LOT 9 -
BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

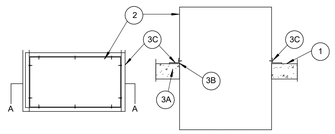
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

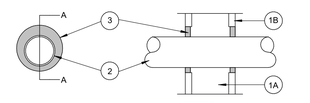
SHEET TITLE

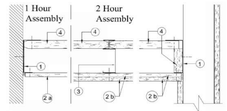
LEGENDS & GEN. NOTES

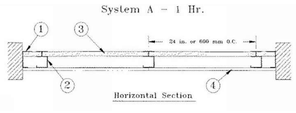
SHEET NUMBER

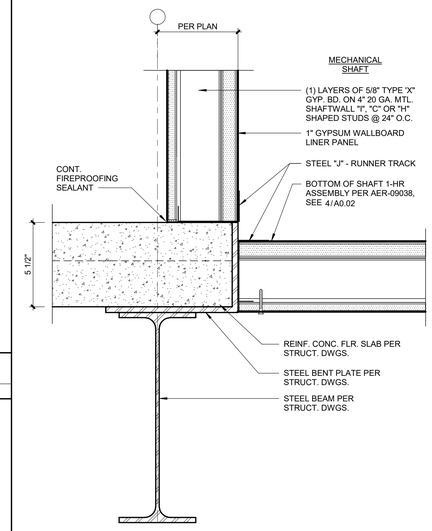
A0.01

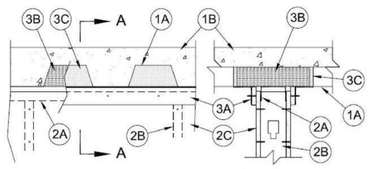


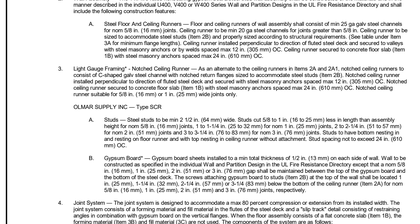


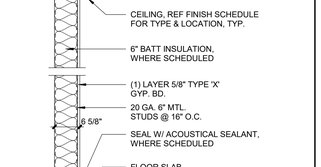


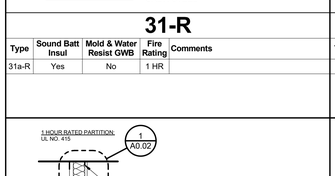


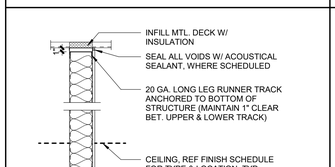












RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

Design No. W-L-2074

F Rating - 1 and 2 HR (See Item 1)
T Rating -1 and 2 HR (See Item 1)
L Rating At Ambient - Less than 1 CFM/sq ft
L Rating at 400 F - Less than 1 CFM/sq ft

SECTION A-A

1. Wall Assembly - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following features.
   - A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom. 2 by 4 in.lumber spaced 16 in. OC. Steel studs to be min 2-1/2in. wide and max 24in. OC.
   - B. Wallboard Gypsum* - 5/8 in thick 4ft wide with square or tapered edges. They gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max. diam of opening is 7 in.The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants - One metallic pipe, conduit to be centered within the firestop system. A nom annular space of 3/16 in is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes, conduits or tubing may be used:
   - A. Polyvinyl Chloride (PVC) Pipe - Nom 6 in. diam (or smaller Schedule 40 solid core or cellular PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
   - B. Flame Retardant Polypropylene Pipe (FRPP) Pipe - Nom 6 in. diam (or smaller) Schedule 40 FRPP pipe for us in closed (process or supply) or vented (drain, waste, or vent) piping systems
   - C. Rigid Nonmetallic Conduit - Nom 6 in diam (or smaller Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70)
   - D. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 6 in. diam (or smaller SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
3. Firestop System - The firestop system shall consist of the following:
   - A. Fill, Void or Cavity Materials* - Sealant - Min 1/4in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Specified Technologies Inc. - Specseal 100, 101, 102, or 105 sealant
   - B. Fill, Void or Cavity Materials* - Wrap Strip - Nom 1/4in. thick intumescent material faced on both sides with a plastic film, supplied in 1 1/2 or 2 in. wide strips. Two stacks of wrap strips, each consisting of three wrap strips are individually wrapped around the through-penetrant with the ends butted and held in place with masking tape. Butted ends in successive layers shall be aligned. Wrap strips are installed on each side of wall. Specified Technologies Inc. - Specseal Wrap strip or SpecSeal Red Wrap Strip
   - C. Steel Collar - Collar fabricated from coils of precut 0.022 in. thick (No. 26 MSG) galv sheet steel available from wrap strip manufacturer. Collar shall be min 3/8in. deep with min 6 in, wide by 2 in. long anchor tabs. Retainer tabs, 3/4in. wide tapering down to 3/8 in., wide and located opposite the anchor tabs, are folded 90 degrees toward through-penetrant surface to maintain the annular space around the through-penetrant and to retain the wrap strips. Steel collar wrapped around wrap strips and through- penetrant with a 1 in. wide overlap along its perimeter joint and secured together by means of three NO. 8 by 1/2in. long steel screws. Wrap trip/steel collar assembly is slid along the through penetrant until it abuts the surface of the wall. Steel collar tightened around wrap strips and through-penetrant using 1/2in. wide by 0.028 in, thick stainless steel hose clamp spaced 2 in. OC. Collar secured to wall by 1/8 in. diam by min 1-3/4 in. long molly bolts in conjunction with min 1/4 in. by 1 -1/2in. diam steel fender washers. Steel collars installed on each side of wall.
   - D. Firestop Device* - (Not Shown) as an option to the wrap strip and the steel collar (Item Nos. 3B and 3C), a firestop device consisting of steel collar lined with an intumescent material sized to fit the specific diam of the nonmetallic through penetrant may be used. Device shall be installed in accordance with the installation instructions supplied with the product. The device shall be installed on each side of the concrete wall and secured to concrete surface with 1/8 in. diam by min. 1 -3/4in. long molly bolts in conjunction with min 1/4in. by 1-1/4 in diam steel fender washers.
     Specified Technologies Inc. - Specseal Firestop Collar

*Bearing the UL Classification Marking
+ Bearing the UL Listing Mark

7 FIRESTOP DETAIL

A0.02 SCALE : 1" = 1'-0"

System No. C-AJ-7016

F Rating - 2 & 3 Hr (See Item 1)
T Rating - 0 HR

SECTION A-A

1. Floor or Wall Assembly - Min 2-12 in. thick or min 4- 1/2 in. thick lightweight or normal weight (100-150 pcf_ concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. The F Rating is 2 hr and 3 hr for min 2 -1/2 in. or min 4- 1/2 in. thick assemblies. Max area of opening is 576 sq in. with max dimension of 36 in. for 2 hr assemblies and 544 sq in. with max dimension of 34 in. for 3 hr assemblies. See concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants - One steel duct to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (point contact) to max 4 in. is required within the firestop system for 2 hr assemblies and min 0 in. (point contact) to max 2 in. is required within the firestop system for 3 hr assemblies. Steel duct to be rigidly supported on both sides of the floor or wall assembly. The following sizes of steel duct may be used:
   - A. Steel Pipe - Nom 32in. by 14 (or smaller) No. 22 gauge (or heavier) galv. steel duct.
   - B. Steel Pipe - Nom 30in. by 12 (or smaller) No. 24 gauge (or heavier) galv. steel duct.
3. Firestop System - The firestop system shall consist of the following:
   - A. Packing Material - Nom 1 in. thickness of tightly packed mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of caulk fill material.
   - B. Fill, Void, or Cavity Material* - Caulk - Min. 1 in. thickness of fill material applied within annulus flush with top surface of floor or both surfaces of wall assembly. At the point contact location between duct and concrete, a min 1/4 in. diam bead of sealant shall be applied to the concrete/duct interface on the top surface of floor and on both surfaces of wall assembly
     Minnesota Mining and Mfg. Co. - CP 25WWB+
   - C. Retaining Angles - Min 16 gauge galv steel angles sized to lap duct a min of 2 in. and lap top surface of floor or both surfaces of wall a min of 1 in. Angles attached to duct with min 1/2 in. long, No. 10 (or larger) sheet metal screws spaced a max of 1 in. from each end of duct and spaced a max of 6 in OC.

*Bearing the UL Classification Marking

6 FIRESTOP DETAIL

A0.02 SCALE : 1" = 1'-0"

Design No. W-L-1062

F Rating - 1 HR
T Rating - 0 HR
L Rating At Ambient - Less than 1 CFM/sq ft
L Rating at 400 F - Less than 1 CFM/sq ft

SECTION A-A

1. Wall Assembly - The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   - A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom. 2 by 4 in.lumber spaced 16 in. OC. Steel studs to be min 3-5/8in. wide and spaced max 24in. OC.
   - B. Wallboard Gypsum* - One layer of nom 5/8in. thick gypsum wall board as specified in the individual Wall and Partition Design. Max diam. of opening is 4- 3/4 in.
2. Through Penetrants - One metallic pipe, conduit or tubing to be installed within the firestop system. The space between pipe, conduit, or tubing and periphery of opening shall be a min. 1/4 in. to a max 3/8 in. Pipe conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   - A. Steel Pipe - Nom 4in. diam (or smaller) schedule 5 (or heavier steel pipe.)
   - B. Iron Pipe - Nom 4 in. diam (or smaller) cast or ductile iron pipe.
   - C. Conduit - Nom 4 in. diam (or smaller) electrical metallic tubing or steel conduit.
   - D. Copper Tubing - Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing
   - E. Copper Pipe - Nom 4 in. diam (or smaller) regular (or heavier) copper pipe
3. Fill, Void or Cavity Materials* - Caulk - Min 1/2in. thickness of fill material applied within the annulus, flush with both surfaces of wall. General Electric Co. - Pensil 100 caulk. Specified Technologies Inc. - Pensil 100 Sealant and Pensil 300 sealant.

*Bearing the UL Classification Marking

5 FIRESTOP DETAIL

A0.02 SCALE : 1" = 1'-0"

ASSEMBLY EVALUATION REPORT, AER-09038
PUBLISHED BY PROGRESSIVE ENGINEERING, INC.

1 & 2 HR Horizontal Cavity Shaft Wall (Corridor Ceiling/Stair Application)

1. A minimum 2-1/2" deep 24 gauge J-runner attached horizontally to perimeter or boundary walls with a power actuated fasteners.
2. Gypsum Wall
   - a. For a one (1) hour assembly: Attach one (1) layer of 5/8" thick SHEETROCK® Brand FIRECODE® CCore Gypsum (Type C), to the underside of the "Corridor Ceiling" of the C-H stud and the perimeter J-runners. Use 1" long Type S screws that are spaced 12" o.c. in the field and at the edges.
   - b. For a two (2) hour assembly: Attached two (2) layers of minimum 1/2" thick SHEETROCK® Brand FIRECODE® C Core Gypsum Panels (Type C), to the underside of the "Corridor Ceiling" of the C-H stud and the perimeter J-For the BASE layer, use a 1" long Type S screw that is spaced 24" o.c. along the perimeter and the edges. The FACE layer should be applied with a 1-5/8" long Type S screw that is spaced 12" o.c. in the field and perimeter. All joints must be staggered a minimum of 24" o.c. from the adjacent layer.
3. Install the C-H studs perpendicular to the J-runner spaced 24" o.c. with the C-section of the C-H stud facing downward towards the corridor side of the assembly with two (2) screws a minimum 1/2" long Type S-12 screws, one on each side.1" thick SHEETROCK® Brand Gypsum Liner Panel Friction fitted in "H" portion of C-H studs.
4. 1-in thick SHEETROCK® Brand Gypsum Liner Panel - Friction-fitted in "H" portion of C-H studs.
5. Ripper Board:
   - a. Where the liner panel (item 4) is cut short to be installed, gaps must be filled by using a strip of 1-in thick SHEETROCK Brand Gypsum Liner Panel.
   - b. As an alternative you can use mineral fiber insulation to prevent exposure to the top leg of the J-runner that forms the ceiling.
   - c. Where the wall section extends above the corridor ceiling, above corridor height a rip of board must be used to cap the opening between studs and a strip of mineral fiber insulation as described in item 6 must be used.
6. In order to prevent the passage of heat and gases, a 12-in long strip of mineral fiber insulation must be used to fill in the stud cavity of the walls.

4 BOTTOM OF SHAFT DETAIL

A0.02 SCALE : 1" = 1'-0"

Design No. U415

Nonbearing Wall Rating - 1 HR.

Horizontal Section

1. Floor, Side and Ceiling Runners — "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners.
2. Steel Studs — "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC.
   - A. Steel Studs — (Not Shown) — "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.
   - B. Furring Channels — (Optional, not shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7).
   - C. Furring Channels — For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.
   - D. Steel Framing Members* — (Optional, not shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7):
     - a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.
     - b. Steel Framing Members* — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
       PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)
   - E. Steel Framing Members — (Optional, Not Shown)* - Furring channels and resilient sound isolation clip as described below:
     - a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 3. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips- Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.
     - b. Steel Framing Members* — Resilient sound isolation clip used to attach furring channels(Item 2Ea) to studs. Clips spaced 24 in. OC., and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R
   - F. Steel Framing Members* — (Optional, not shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7):
     - a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep,spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.
     - b. Steel Framing Members* — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in.OC.

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

3 UL ASSEMBLY DETAIL

A0.02 SCALE : 1" = 1'-0"

2 MECH. SHAFT EDGE DETAIL

A0.02 SCALE : 3" = 1'-0"

System No. HW-D-0001

Assembly Rating - 1 HR.
Nominal Joint Width - 5/8 in.
Class I Movement Capabilities - 80% Compression, 60% Extension

Section A-A

1. Floor Assembly — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
   - A. Steel Floor and Form Units* — Max 3 in. (76 mm) deep galv steel fluted floor units.
   - B. Concrete — Min 2 1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
   - a. Roof Assembly — As an alternate to Item 1 Floor Assembly, the fire-rated roof assembly shall be constructed of the materials and in the manner described in the individual P700, P800 or P900 series Roof-Ceiling Designs in the UL Fire Resistance Directory and shall contain max 1-1/2 in. (38 mm) deep fluted galv steel deck. The hourly fire rating of the roof assembly shall be equal to or greater than the hourly fire rating of the wall assembly. In the case of spray-applied protection materials on the steel deck, the joint system shall be installed prior to the spray-applied protection material.
   - b. Floor Assembly — As an alternate to Item 1 Floor Assembly, min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete.
2. Wall Assembly — The 1 hr fire-rated nonbearing gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   - A. Steel Floor And Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of min 25 ga galv steel channels for nom 5/8 in. (16 mm) joints. Ceiling runner to be min 20 ga steel channels for joints greater than 5/8 in. Ceiling runner to be sized to accommodate steel studs (Item 2B) and properly sized according to structural requirements. (See table under Item 3A for minimum flange lengths). Ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors or by welds spaced max 12 in. (305 mm) OC. Ceiling runner secured to concrete floor slab (Item 1B) with steel masonry anchors spaced max 24 in. (610 mm) OC.
3. Light Gauge Framing* - Notched Ceiling Runner — As an alternate to the ceiling runners in Items 2A and 2A1, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed perpendicular to direction of fluted steel deck and secured with steel masonry anchors spaced max 12 in. (305 mm) OC. Notched ceiling runner secured to concrete floor slab (Item 1B) with steel masonry anchors spaced max 24 in. (610 mm) OC. Notched ceiling runner suitable for 5/8 in. (16 mm) or 1 in. (25 mm) wide joints only.

   OLMAR SUPPLY INC — Type SCR

   - A. Studs — Steel studs to be min 2 1/2 in. (64 mm) wide. Studs cut 5/8 to 1 in. (16 to 25 mm) less in length than assembly height for nom 5/8 in. (16 mm) joints, 1 to 1-1/4 in. (25 to 32 mm) for nom 1 in. (25 mm) joints, 2 to 2-1/4 in. (51 to 57 mm) for nom 2 in. (51 mm) joints and 3 to 3-1/4 in. (76 to 83 mm) for nom 3 in. (76 mm) joints. Studs to have bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. Stud spacing not to exceed 24 in. (610 mm) OC.
   - B. Gypsum Board* — Gypsum board sheets installed to a min total thickness of 1/2 in. (13 mm) on each side of wall. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory except that a nom 5/8 in. (16 mm), 1 in. (25 mm), 2 in. (51 mm) or 3 in. (76 mm) gap shall be maintained between the top of the gypsum board and the bottom of the steel deck. The screws attaching gypsum board to studs (Item 2B) at the top of the wall shall be located 1 in. (25 mm), 1-1/4 in. (32 mm), 2-1/4 in. (57 mm) or 3-1/4 (83 mm) below the bottom of the ceiling runner (Item 2A) for nom

Nominal Joint Width, in. (mm)	Minimum Angle and Gypsum Board Strip Length, in. (mm)	Minimum Runner Leg Length, in. (mm)
5/8 (16)	2 (51)	2-1/2 (64)
1 (25)	3 (76)	3-1/2 (89)
2 (50)	4-1/2 (114)	5 (127)
3 (76)	6-1/2 (165)	7 (178)

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

1 TERMINATION DETAIL

A0.02 SCALE : 1" = 1'-0"

11

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
11	No	No		
11a	Yes	No		Seal w/ acoustical sealant, top and bottom
11b	No	Yes		
11c	Yes	Yes		Seal w/ acoustical sealant, top and bottom

04

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
04	No	No		
04a	Yes	No		Acoustical sealant, top & bottom, ea. side
04b	No	Yes		
04c	Yes	Yes		Acoustical sealant, top & bottom, ea. side

31-R

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
31a-R	Yes	No	1 HR	

09

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
09	No	No		Seal w/ acoustical sealant, top and bottom

02

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
02b	No	Yes		
02c	Yes	Yes		

30-R

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
30a-R	Yes	No	1-HR	

08

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
08a	Yes	No		Seal w/ acoustical sealant, top and bottom

01

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
01a	Yes	No		Acoustical sealant, top & bottom, ea. side
01b	No	Yes		
01c	Yes	Yes		Seal w/ acoustical sealant, top and bottom

14

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
14	No	No		
14a	Yes	No		

05

Type	Sound Batt Insul	Mold & Water Resist GWB	Fire Rating	Comments
05	No	No		

PARTITION LEGEND

PARTITION SERIES	
01 - 39	METAL STUD WALLS
40 - 79	MASONRY WALLS
80 - 99	WOOD STUD WALLS

MODIFIER	
a	SOUND BATT INSULATION FULL DEPTH OF STUD
b	MOLD & WATER RESISTANT GYP. BD. ON "WET ROOM WALLS"
c	INSULATION AND MOLD & WATER RESISTANT GYP. BD. ON "WET ROOM WALLS"
d-z	VARIES, SEE PARTITION SCHEDULE COMMENTS

RATING	
R	FIRE RATED, SEE SCHEDULE FOR ADDITIONAL INFO.

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

DAVID ALAN WILLIAMS
NUMBER A-5540

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE

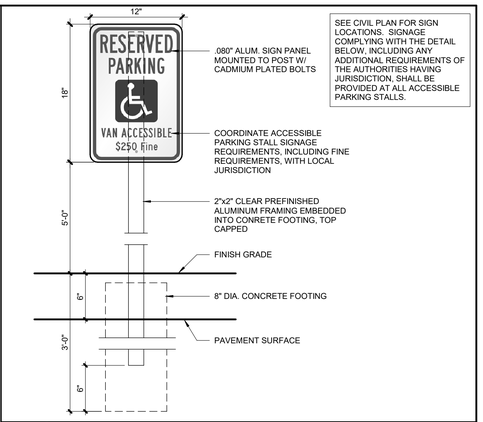
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL TYPES

SHEET NUMBER

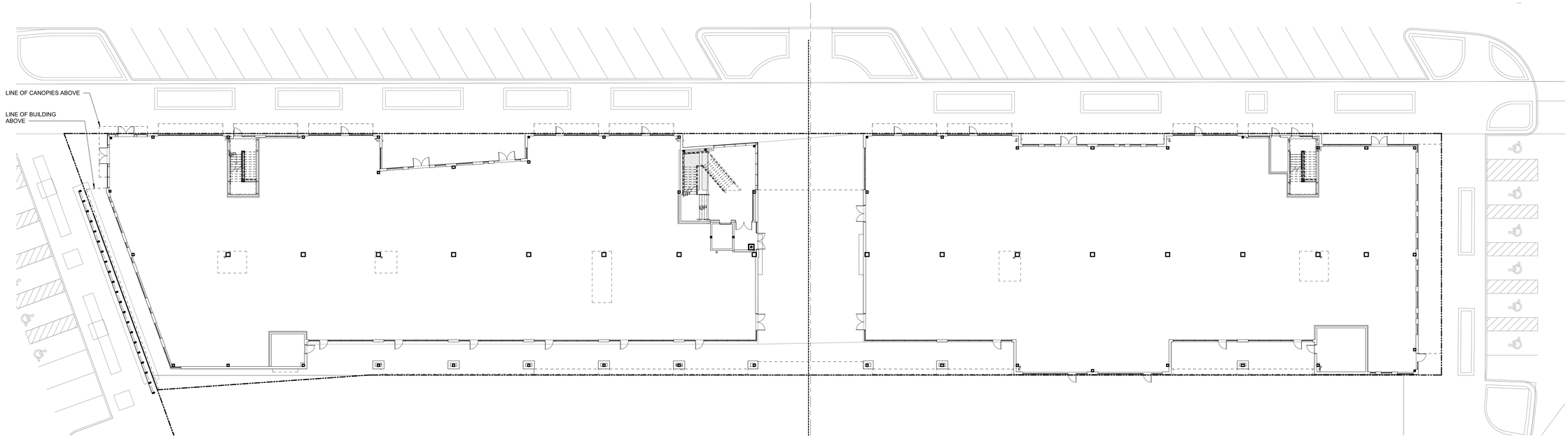
A0.02



SEE CIVIL PLAN FOR SIGN LOCATIONS. SIGNAGE COMPLYING WITH THE DETAIL BELOW, INCLUDING ANY ADDITIONAL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION, SHALL BE PROVIDED AT ALL ACCESSIBLE PARKING STALLS.

2 SIGNAGE - ACCESSIBLE PARKING

A0.03 SCALE : 1 1/2" = 1'-0"



1 SITE PLAN

A0.03 SCALE : 1/16" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
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REVISIONS

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REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
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REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
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Overland Park, Kansas 66211
913+498-1550

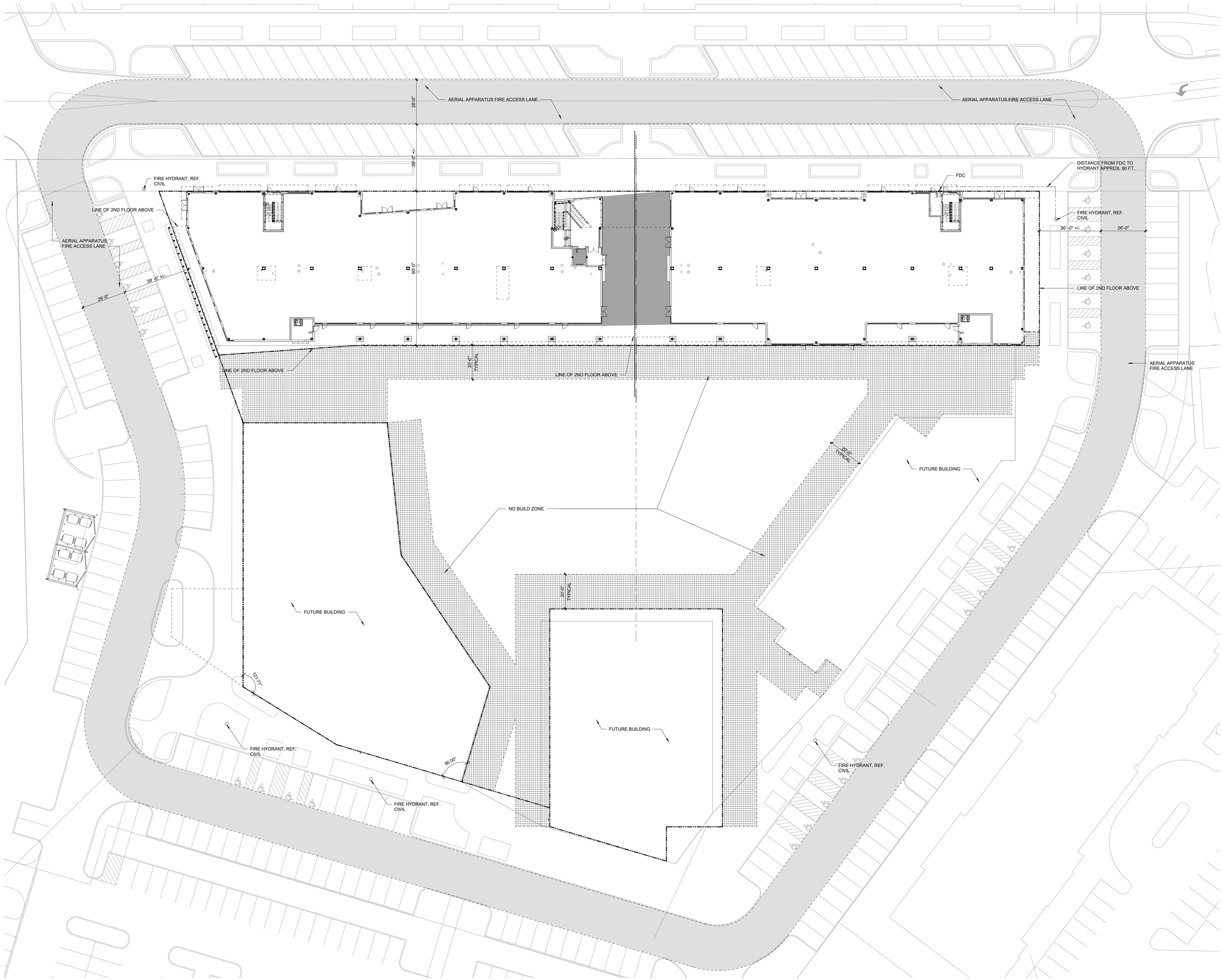
SHEET TITLE

ARCHITECTURAL SITE PLAN

SHEET NUMBER

A0.03

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021



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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
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REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

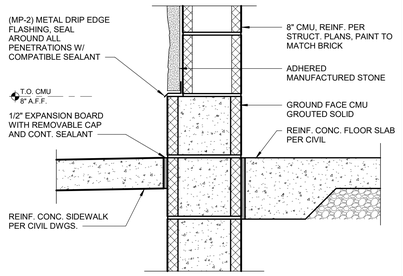
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

CODE SITE PLAN

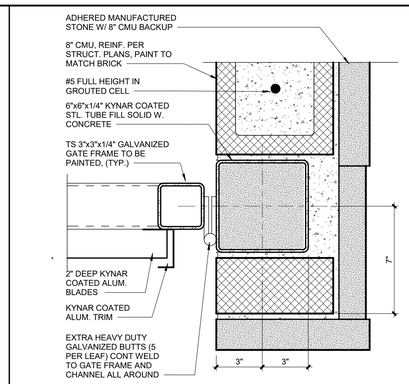
SHEET NUMBER

A0.04



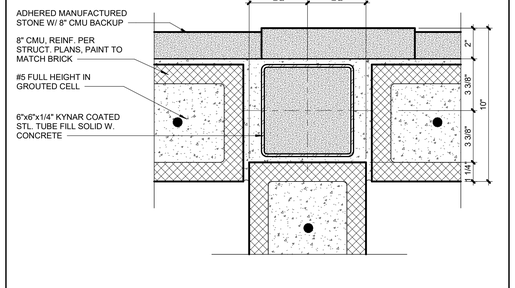
15 FOUNDATION DETAIL

A0.05 SCALE : 1 1/2" = 1'-0"



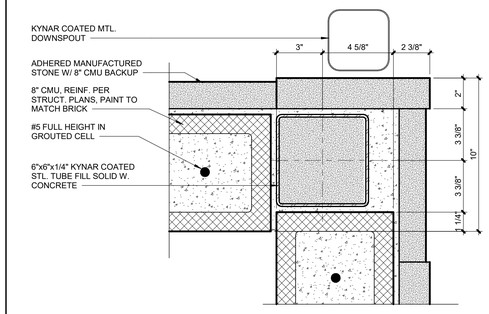
12 JAMB DETAIL

A0.05 SCALE : 3" = 1'-0"



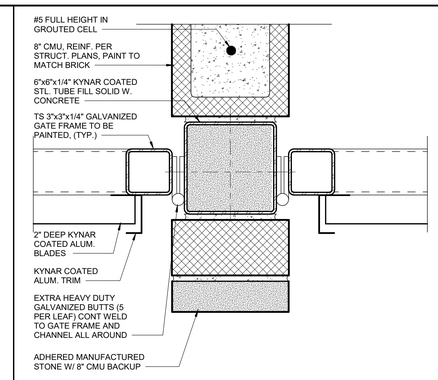
9 CORNER DETAIL

A0.05 SCALE : 3" = 1'-0"



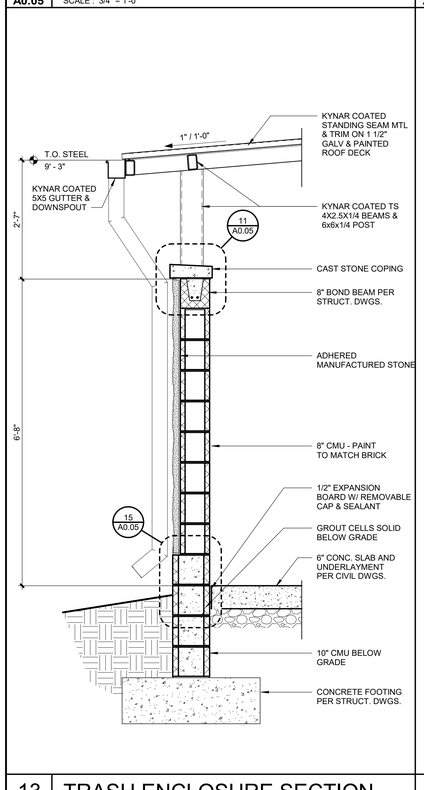
5 CORNER DETAIL

A0.05 SCALE : 3" = 1'-0"



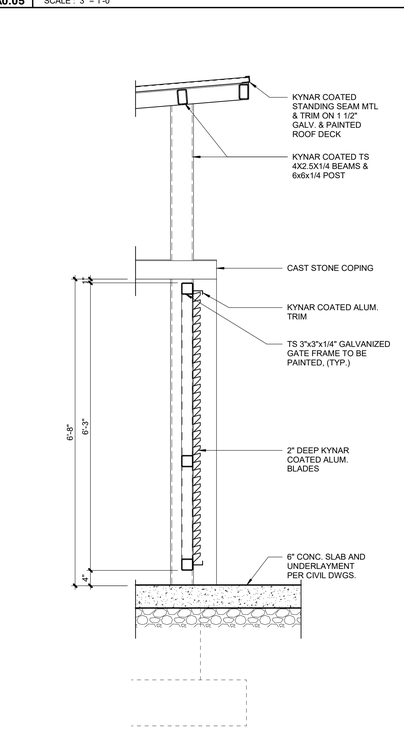
4 JAMB DETAIL

A0.05 SCALE : 3" = 1'-0"



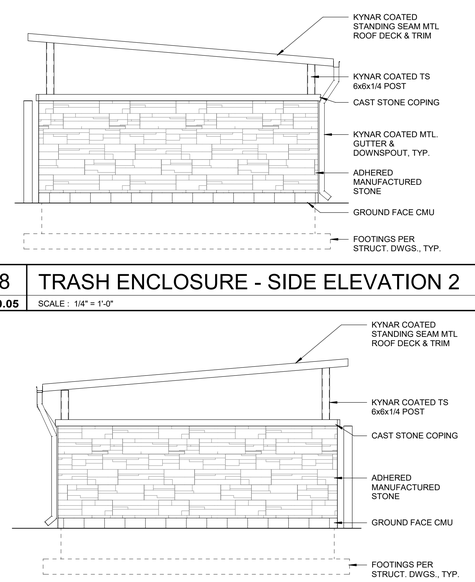
14 BOLLARD DETAIL

A0.05 SCALE : 3/4" = 1'-0"



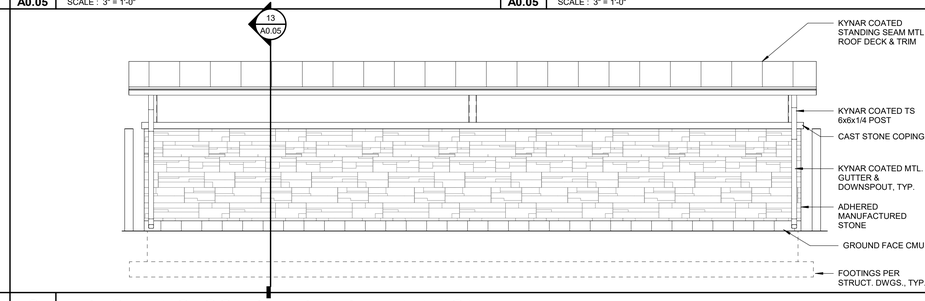
11 COPING DETAIL

A0.05 SCALE : 3" = 1'-0"



8 TRASH ENCLOSURE - SIDE ELEVATION 2

A0.05 SCALE : 1/4" = 1'-0"



3 TRASH ENCLOSURE - REAR ELEVATION

A0.05 SCALE : 1/4" = 1'-0"

7 TRASH ENCLOSURE - SIDE ELEVATION 1

A0.05 SCALE : 1/4" = 1'-0"

2 TRASH ENCLOSURE - FRONT ELEVATION

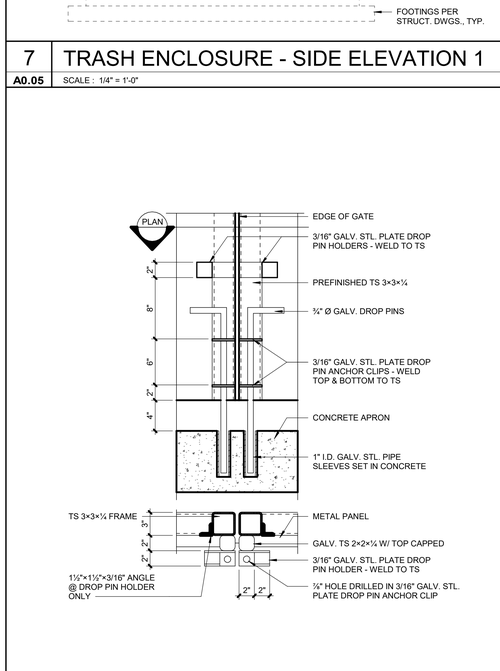
A0.05 SCALE : 1/4" = 1'-0"

13 TRASH ENCLOSURE SECTION

A0.05 SCALE : 3/4" = 1'-0"

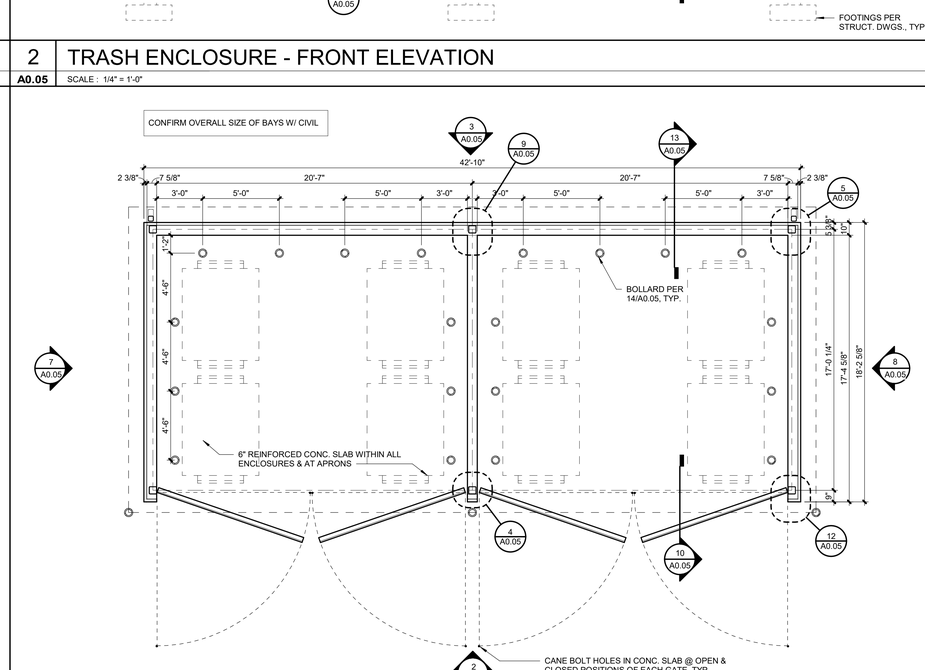
10 GATE SECTION

A0.05 SCALE : 3/4" = 1'-0"



6 DROP PIN DETAILS

A0.05 SCALE : 1 1/2" = 1'-0"



1 TRASH ENCLOSURE PLAN

A0.05 SCALE : 1/4" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

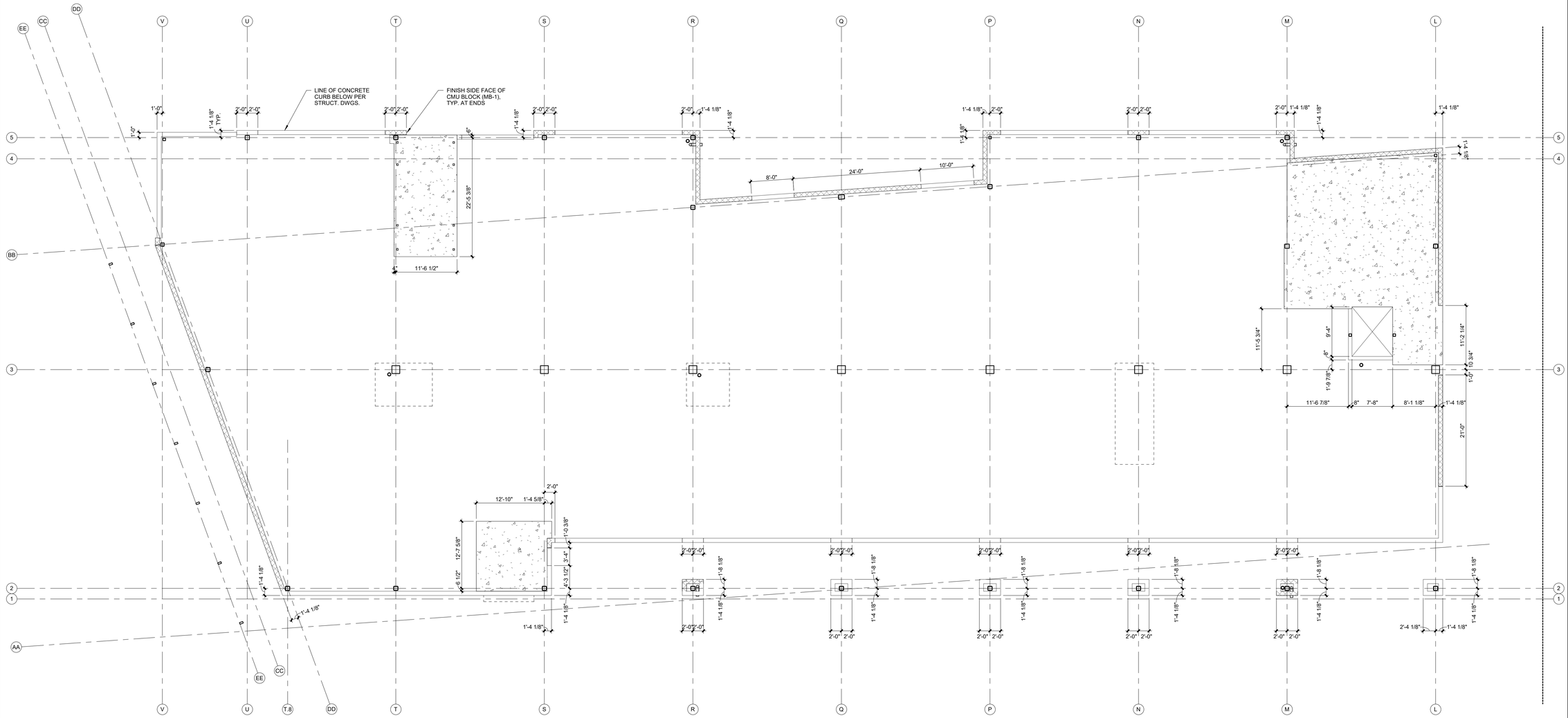
FINKLE + WILLIAMS ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

TRASH ENCLOSURE DETAILS

SHEET NUMBER

A0.05



1 EDGE OF SLAB PLAN - 1ST FLOOR - WEST
A0.11 SCALE : 1/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
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STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

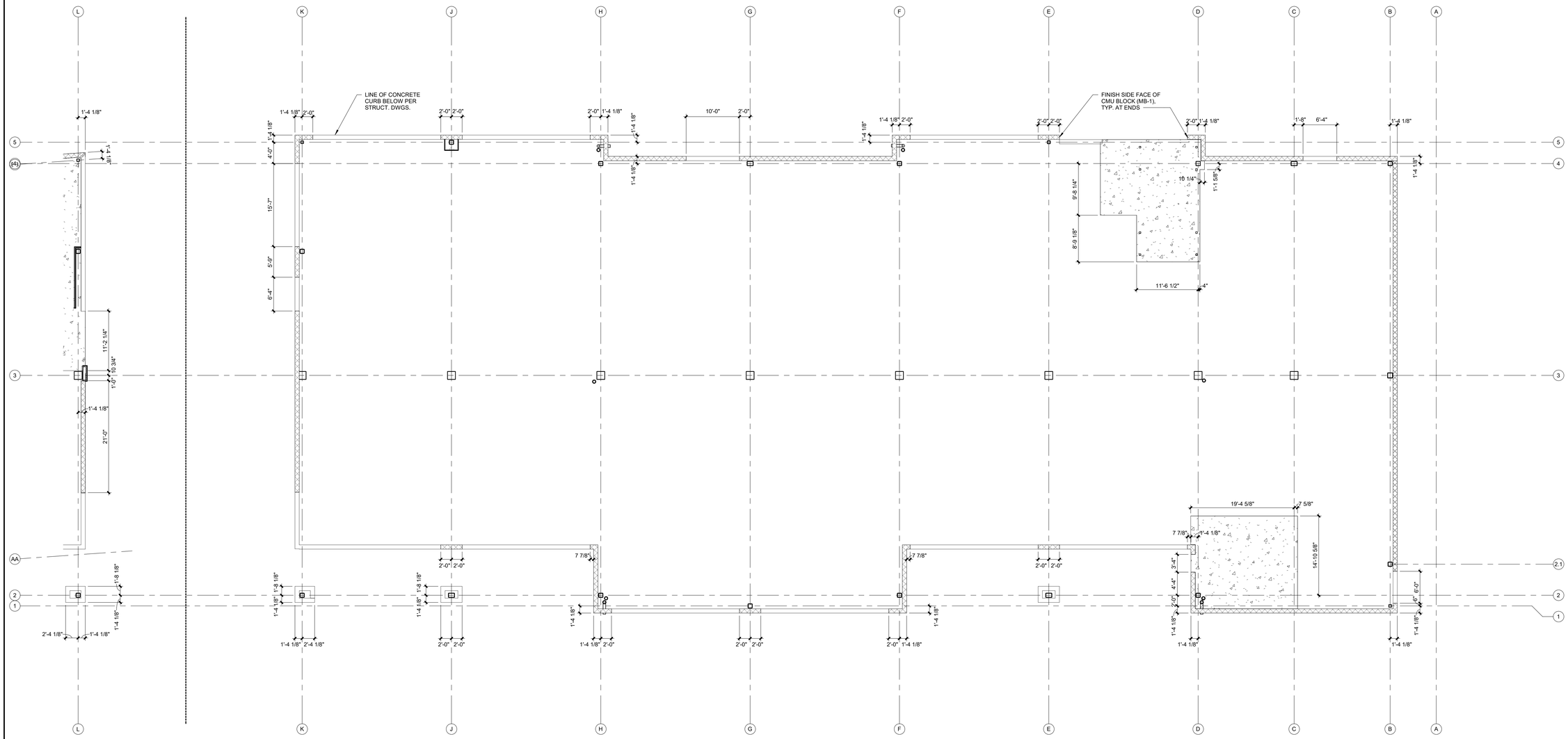
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

SLAB EDGE PLAN - 1ST FLOOR WEST

SHEET NUMBER

A0.11



1 EDGE OF SLAB PLAN - 1ST FLOOR - EAST

A0.12 SCALE : 1/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
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REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

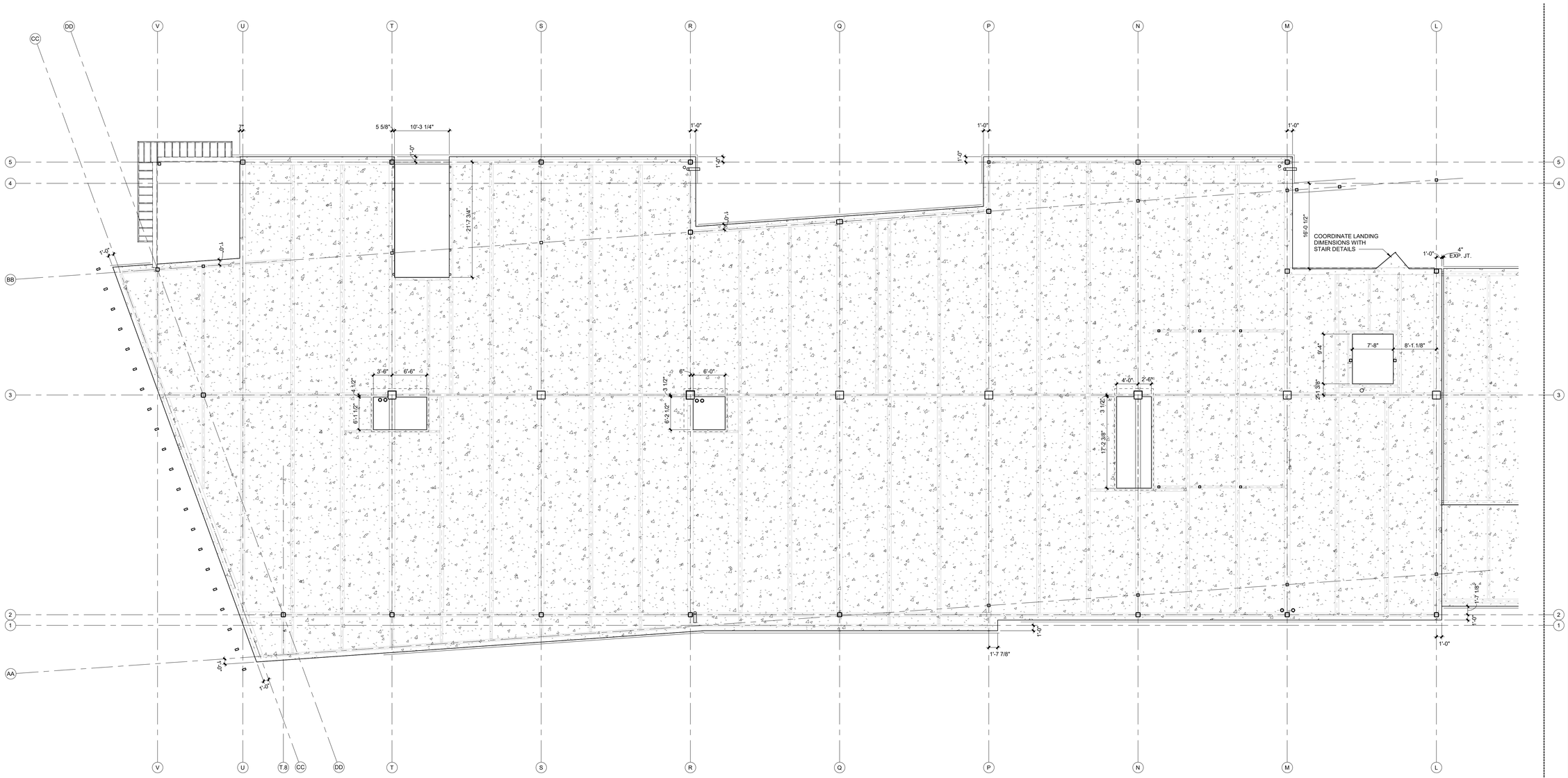
SLAB EDGE PLAN - 1ST FLOOR EAST

SHEET NUMBER

A0.12

RELEASE FOR CONSTRUCTION
~~AS NOTED ON PLANS REVIEW~~
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

06/01/2021



COORDINATE LANDING DIMENSIONS WITH STAIR DETAILS

1 EDGE OF SLAB PLAN - 2ND FLOOR - WEST
A0.13
SCALE : 1/8" = 1'-0"

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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

DAVID ALAN WILLIAMS
NUMBER A-5540

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE

7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

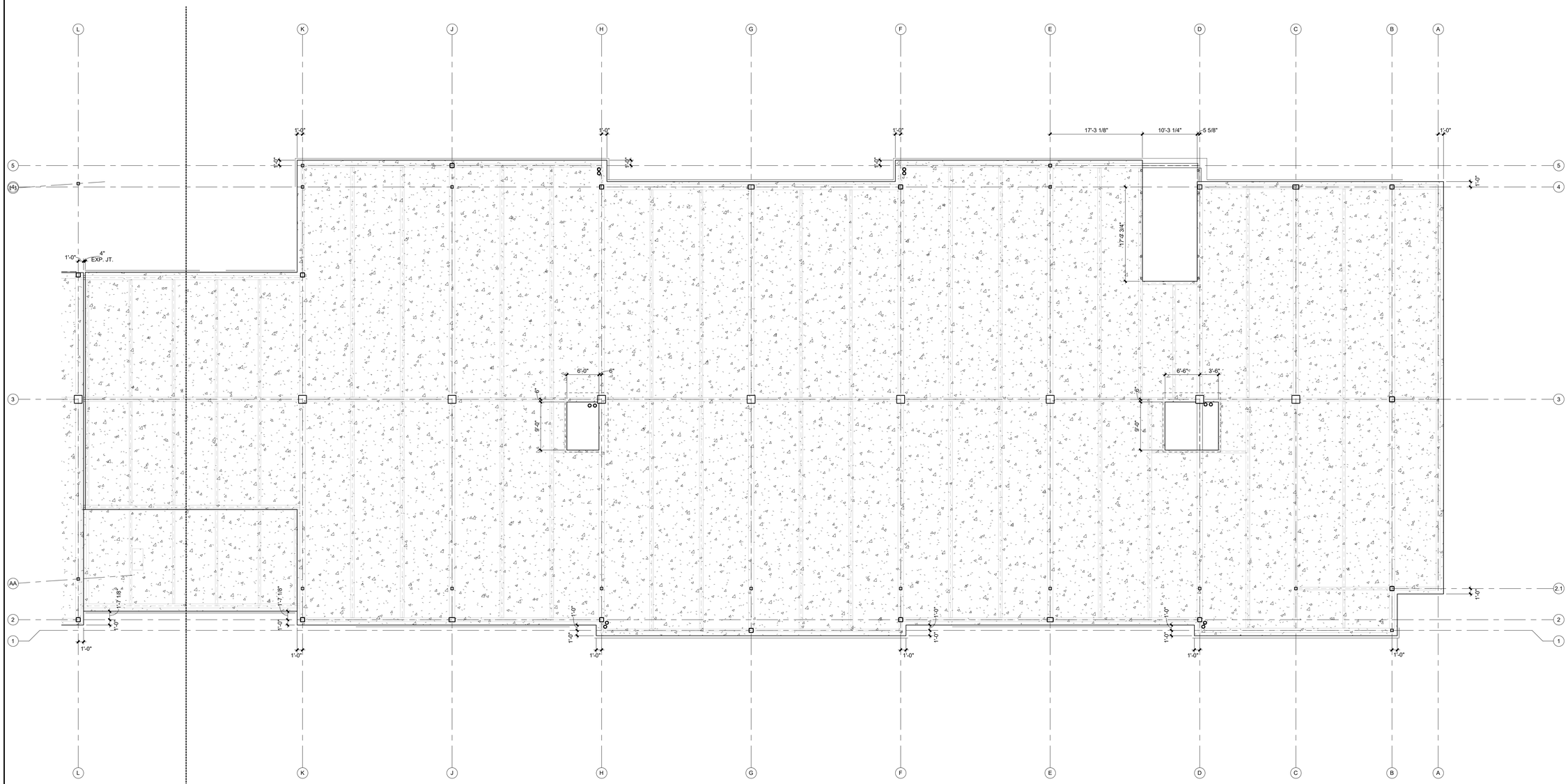
SHEET TITLE

SLAB EDGE PLAN - 2ND FLOOR WEST

SHEET NUMBER

A0.13

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021



1 EDGE OF SLAB PLAN - 2ND FLOOR - EAST
A0.14 SCALE : 1/8" = 1'-0"

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PARAGON STAR

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PARAGON STAR
FIRST PLAT, LOT 9
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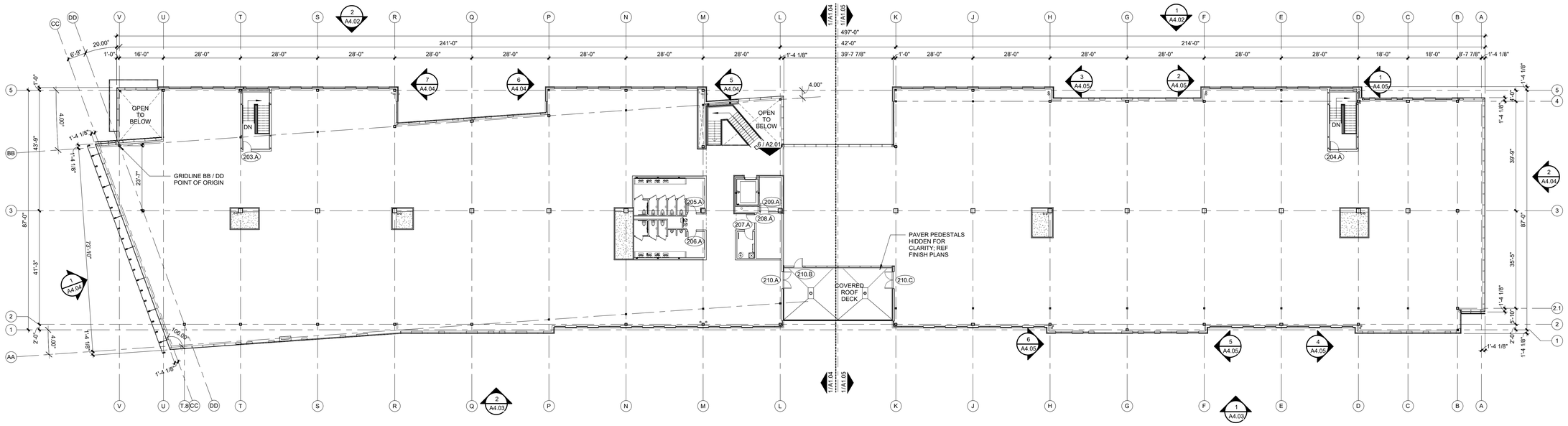
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

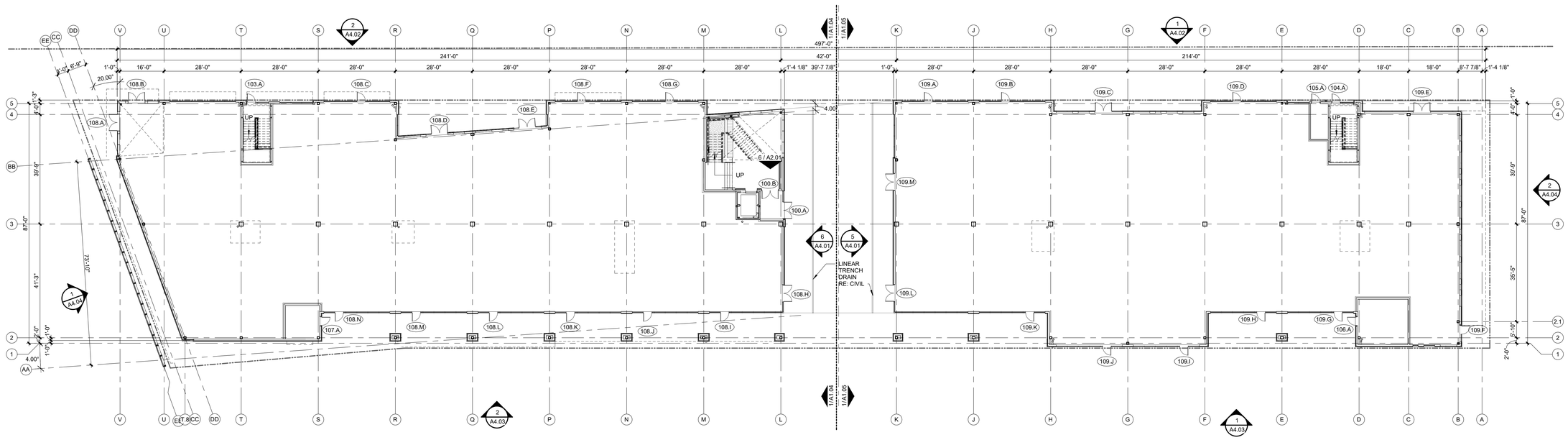
SLAB EDGE PLAN - 2ND FLOOR EAST

SHEET NUMBER

A0.14



2 OVERALL PLAN - 2ND FLOOR
A1.01 SCALE: 1/16" = 1'-0"



1 OVERALL PLAN - 1ST FLOOR
A1.01 SCALE: 1/16" = 1'-0"

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RELEASE FOR CONSTRUCTION
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LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

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PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

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CONTRACTOR	FOGEL ANDERSON

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ARCHITECTURE
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913+498-1550

SHEET TITLE

OVERALL FLOOR PLANS

SHEET NUMBER

A1.01

RELEASE FOR CONSTRUCTION
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LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
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PROJECT TEAM

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ARCHITECTURE
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913+498-1550

SHEET TITLE

FIRST FLOOR PLAN - WEST

SHEET NUMBER

A1.02

1 1ST FLOOR PLAN - WEST
A1.02 SCALE : 1/8" = 1'-0"

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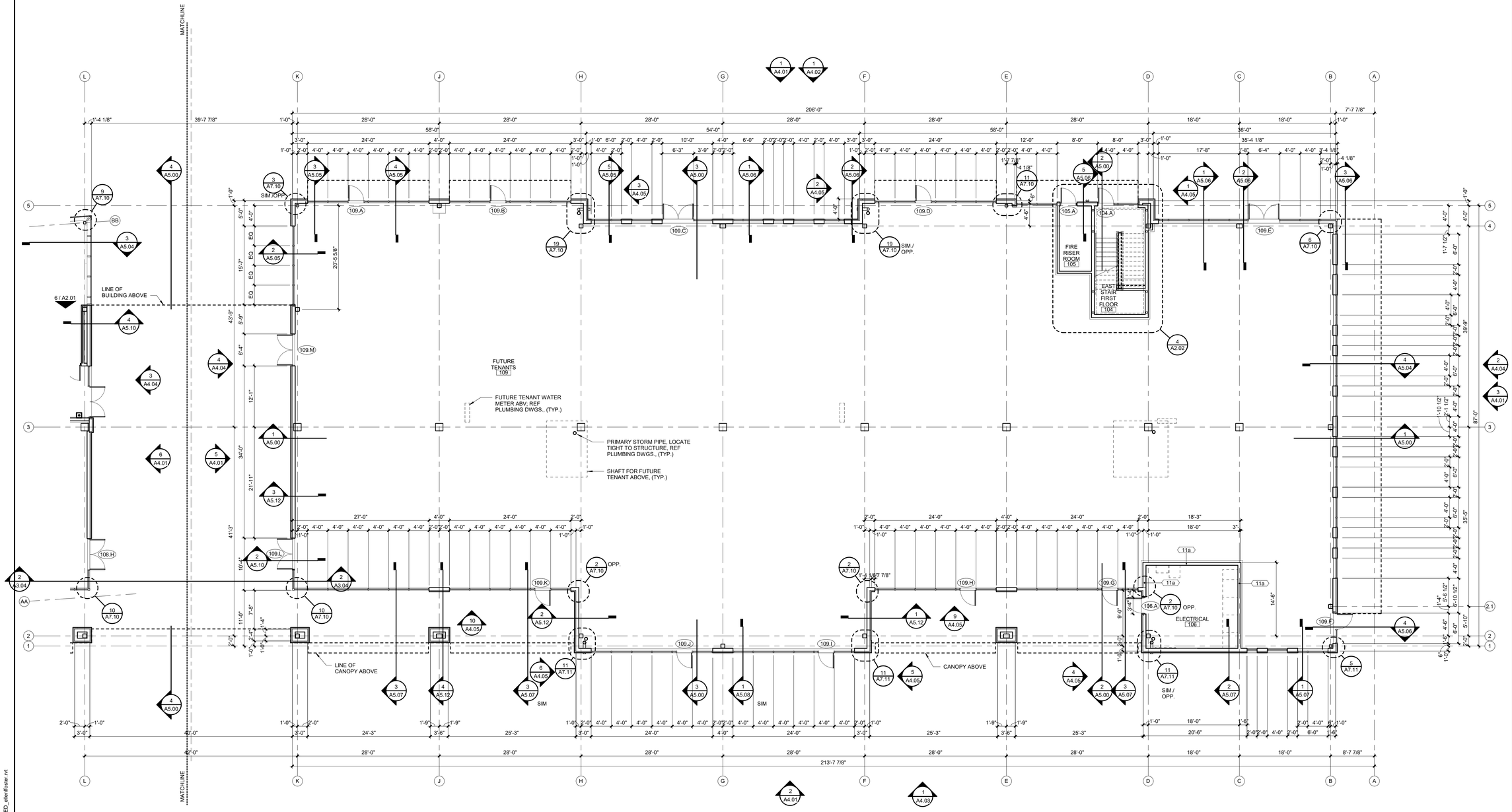

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1 | 1ST FLOOR PLAN - EAST

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

RELEASE FOR CONSTRUCTION
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LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

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CIVIL	GBA
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FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

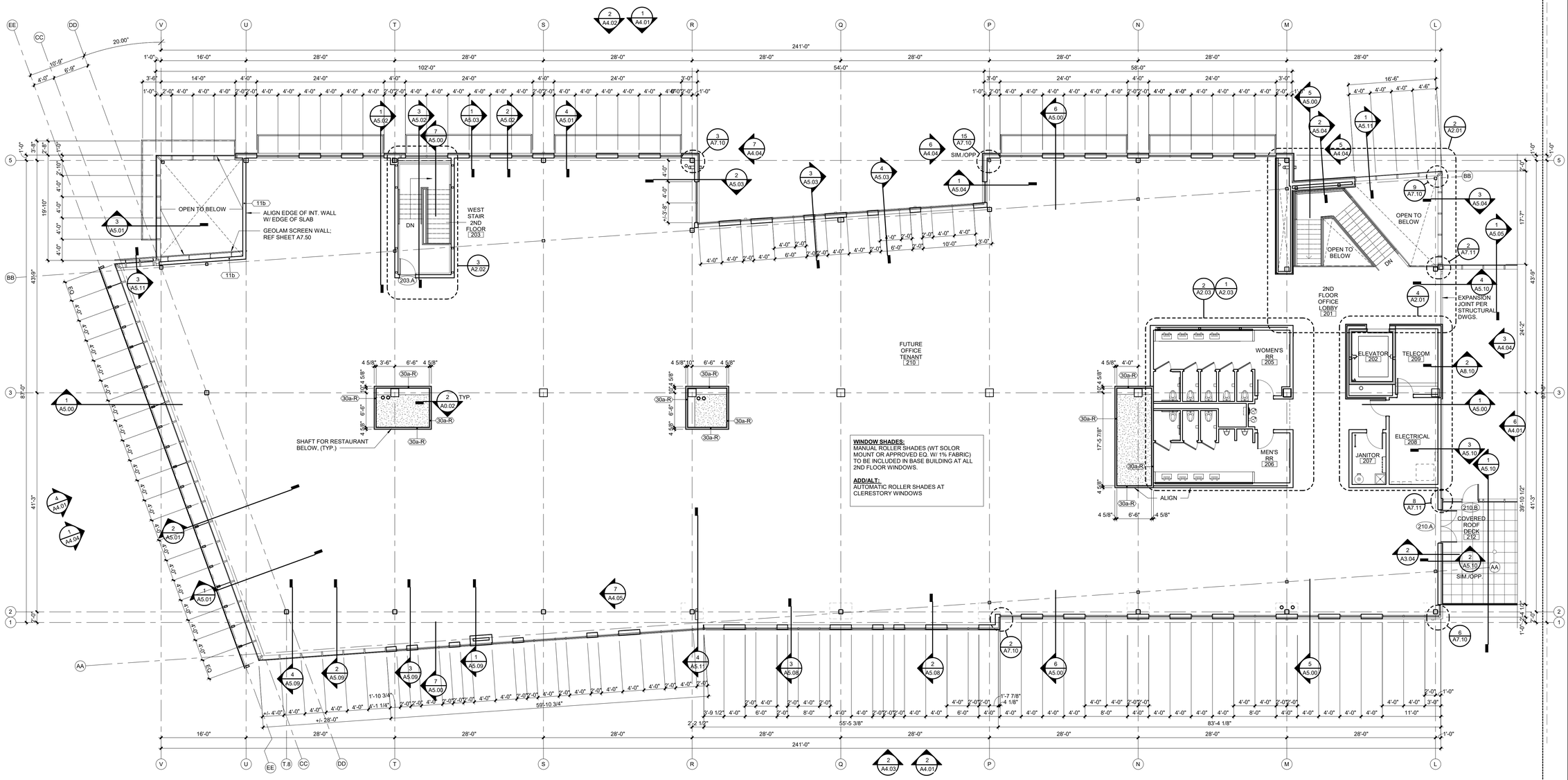
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

FIRST FLOOR PLAN - EAST

SHEET NUMBER

A1.03



1 2ND FLOOR PLAN - WEST

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

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LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

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ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

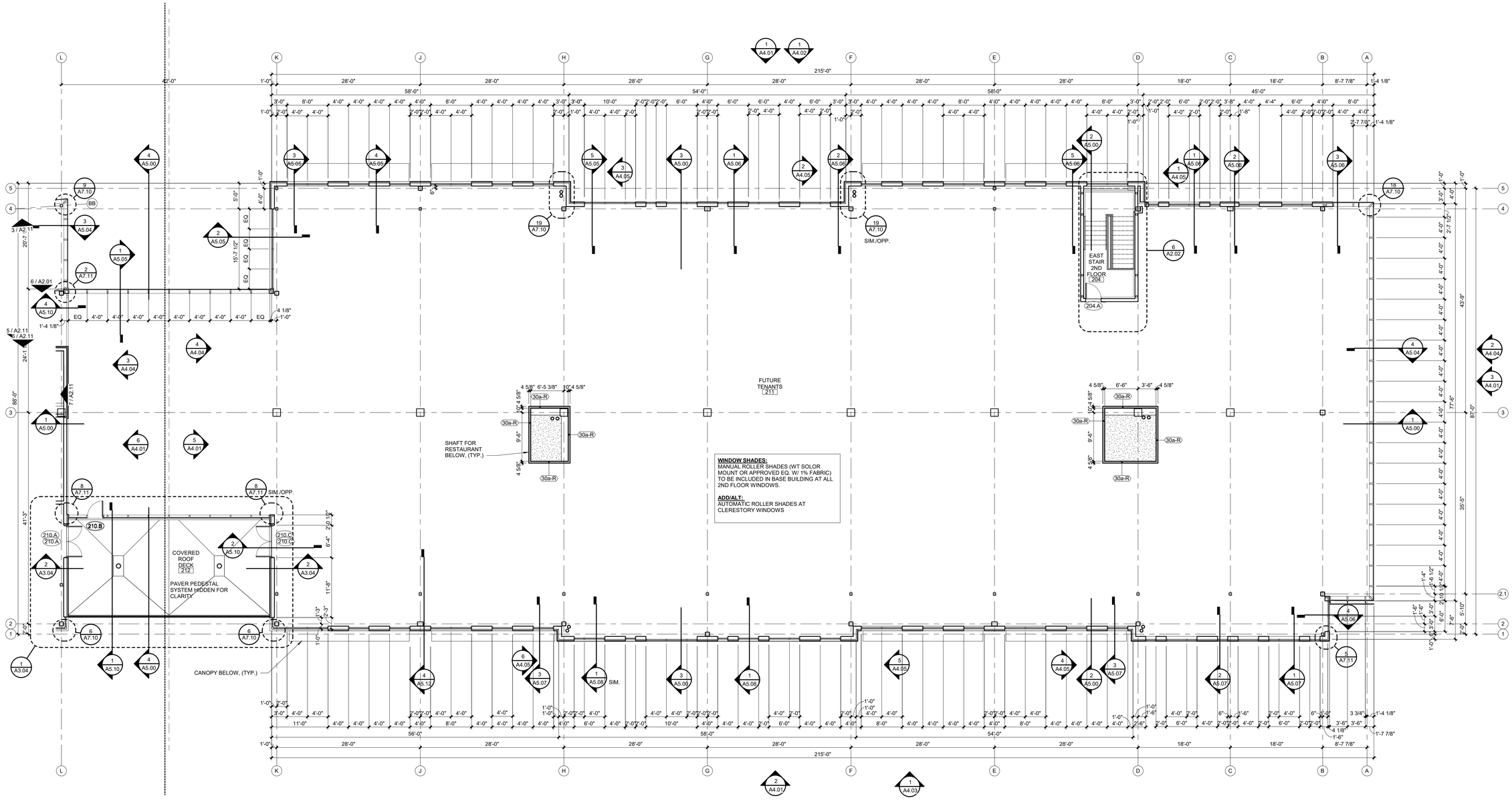
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

SECOND FLOOR PLAN - WEST

SHEET NUMBER

A1.04



1 | 2ND FLOOR PLAN - EAST
A1.05 | SCALE : 1/8" = 1'-0"

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06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
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LEE'S SUMMIT, MO

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DAVID ALAN WILLIAMS NUMBER A-5540 REGISTERED ARCHITECT STATE OF MISSOURI

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
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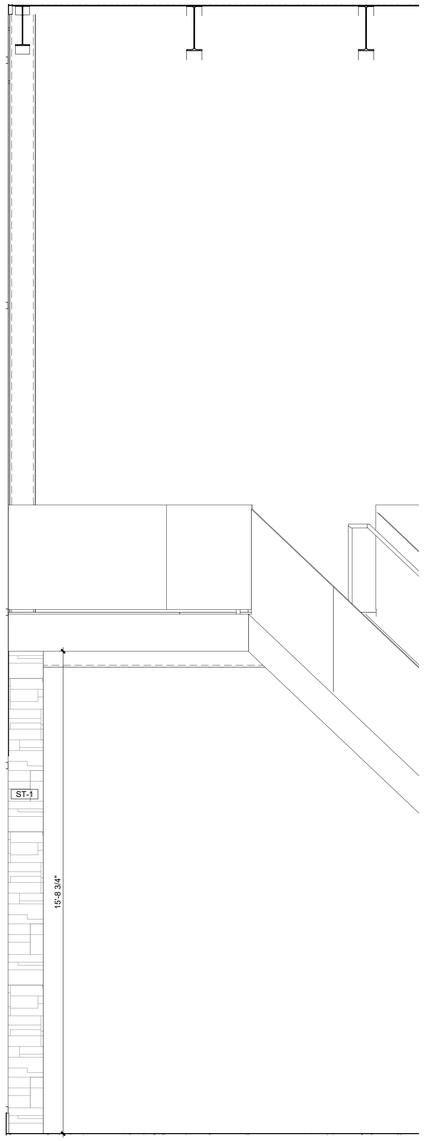
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

SECOND FLOOR PLAN - EAST

SHEET NUMBER

A1.05



6 LOBBY ELEVATION - SOUTH
A2.01 SCALE : 1/2" = 1'-0"

ELEVATOR BASIS OF DESIGN:

KONE MONOSPACE 500
10'-0" HIGH CAB, 8'-0" H. DOOR
4000 LB CAPACITY, SERVICE, FRONT OPENING

ELEVATOR INTERIOR:
KONE INDUSTRIAL CHIC 42008 WITH STAINLESS STEEL SIDE WALLS.

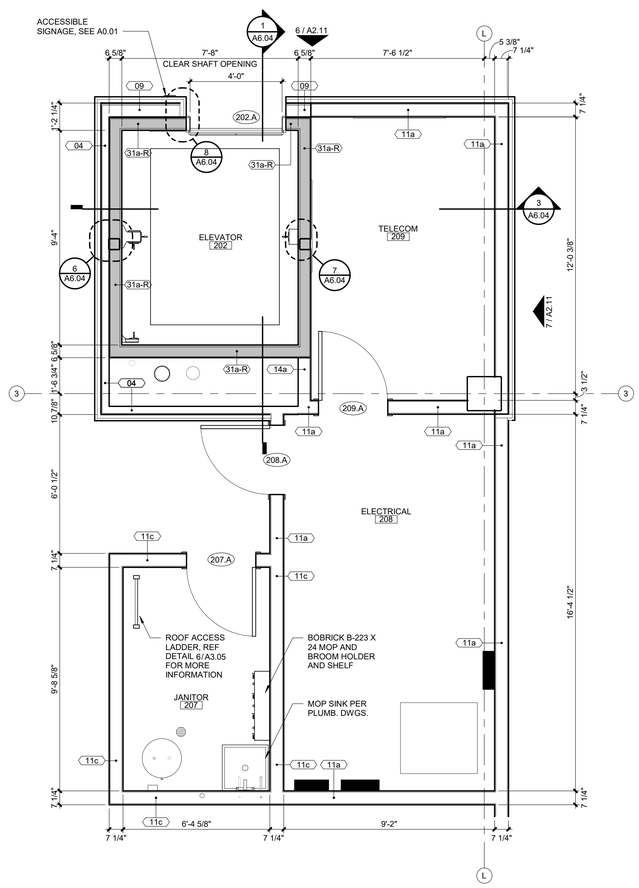
REAR WALLS: BRUSHED BLACK ALUM. (L401) METALLIC LAMINATE

SIDE WALLS: FLEMISH LINEN TEXTURED STAINLESS STEEL (TS2)

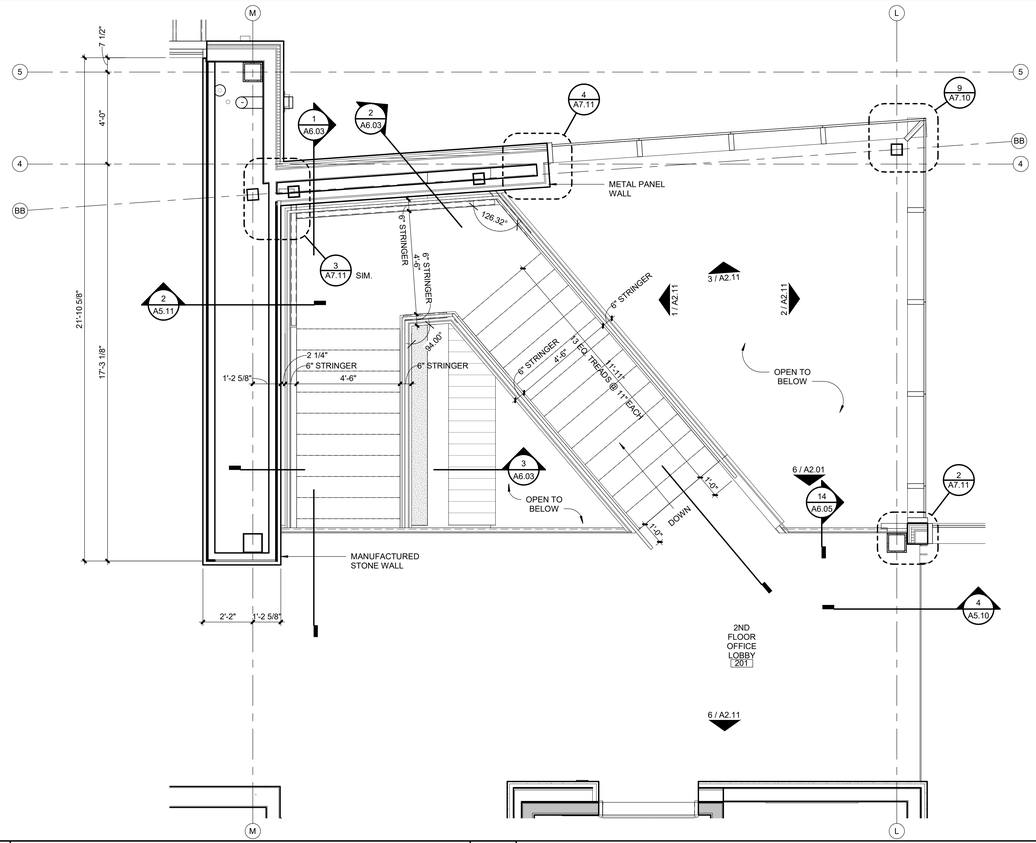
CEILING: RECTANGULAR LED LIGHT PANEL (CL94) BRUSHED STIANLESS STEEL (4SS)

HANDRAIL: ROUND, STRAIGHT ENDS (HR61) BRUSHED STAINLESS STEEL (4SS)

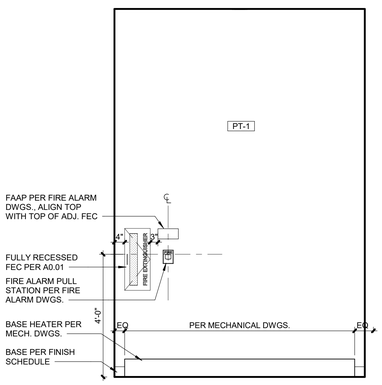
SKIRTING (BRUSHED STAINLESS STEEL (4SS)



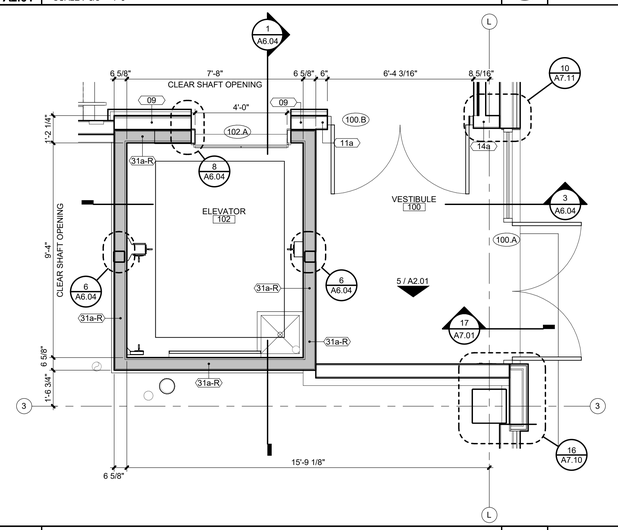
4 CORE PLAN - 2ND FLOOR
A2.01 SCALE : 3/8" = 1'-0"



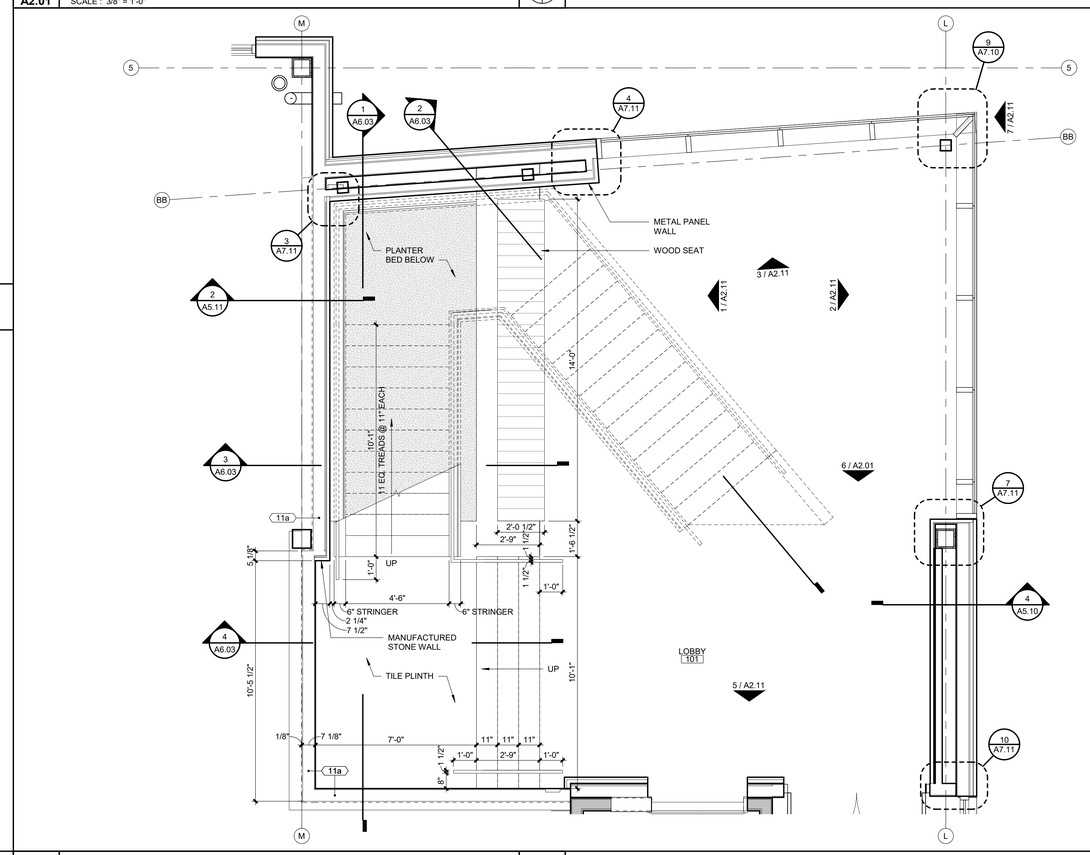
2 LOBBY PLAN - 2ND FLOOR
A2.01 SCALE : 3/8" = 1'-0"



5 VESTIBULE ELEVATION - SOUTH
A2.01 SCALE : 1/2" = 1'-0"



3 CORE PLAN - 1ST FLOOR
A2.01 SCALE : 3/8" = 1'-0"



1 LOBBY PLAN - 1ST FLOOR
A2.01 SCALE : 3/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
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PROJECT TEAM

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CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
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CONTRACTOR	FOGEL ANDERSON

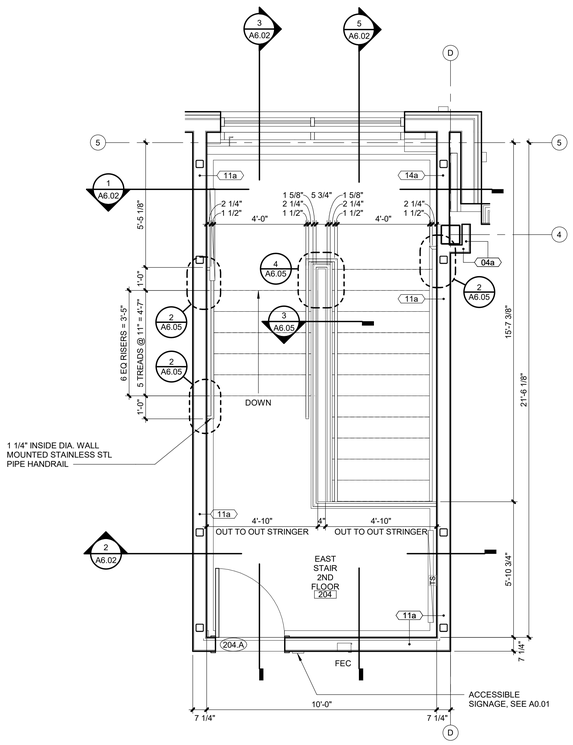
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

ENLARGED PLANS

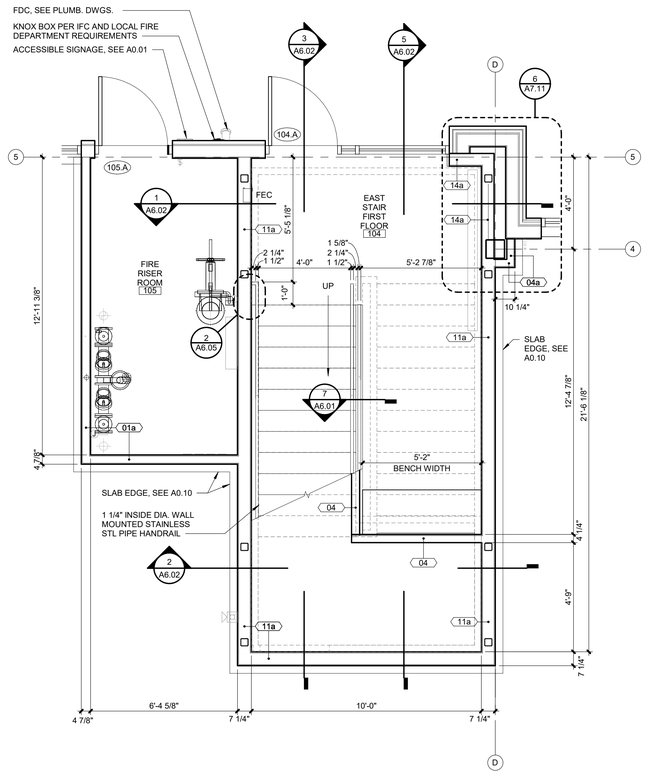
SHEET NUMBER

A2.01



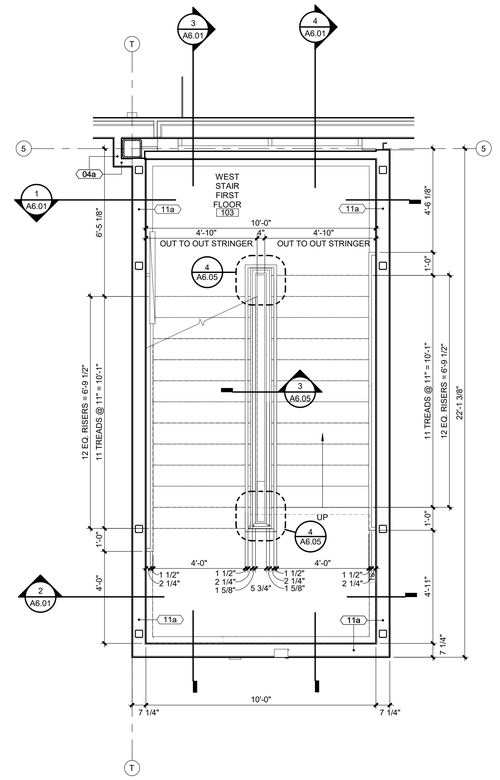
6 EAST STAIR - 2ND FLOOR PLAN

A2.02 SCALE : 3/8" = 1'-0"



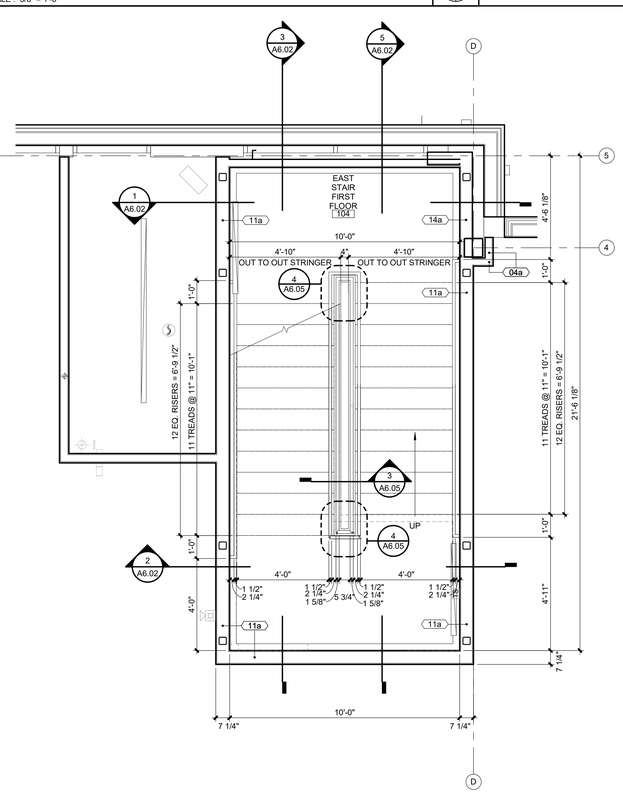
4 EAST STAIR - 1ST FLOOR PLAN

A2.02 SCALE : 3/8" = 1'-0"



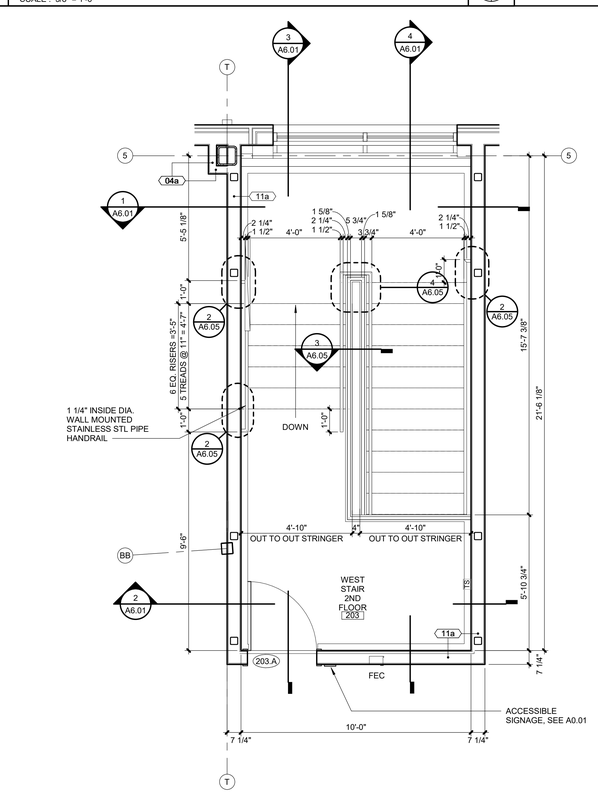
2 WEST STAIR - 1ST LANDING FLOOR PLAN

A2.02 SCALE : 3/8" = 1'-0"



1 WEST STAIR - 1ST FLOOR PLAN

A2.02 SCALE : 3/8" = 1'-0"



3 WEST STAIR - 2ND FLOOR PLAN

A2.02 SCALE : 3/8" = 1'-0"

5 EAST STAIR - 1ST LANDING FLOOR PLAN

A2.02 SCALE : 3/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
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LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
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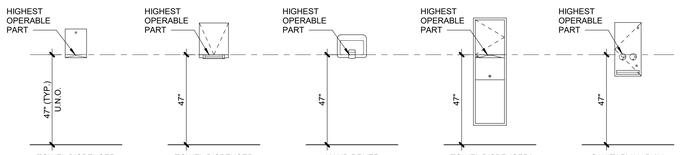
SHEET TITLE

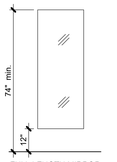
ENLARGED PLANS

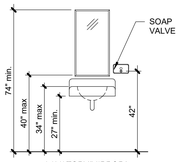
SHEET NUMBER

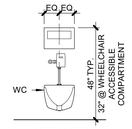
A2.02

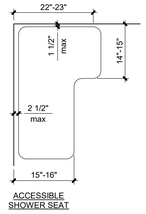
TOILET ACCESSORY MOUNTING HEIGHTS

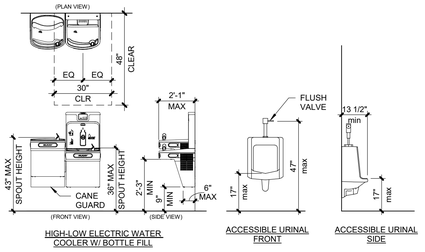


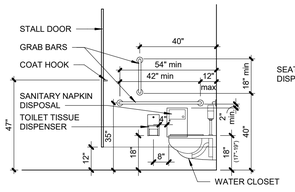


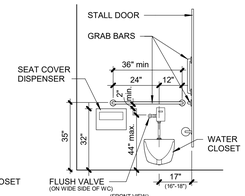


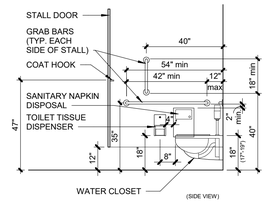


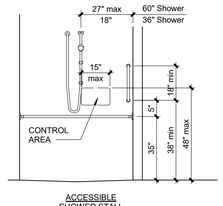


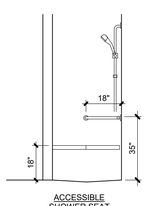












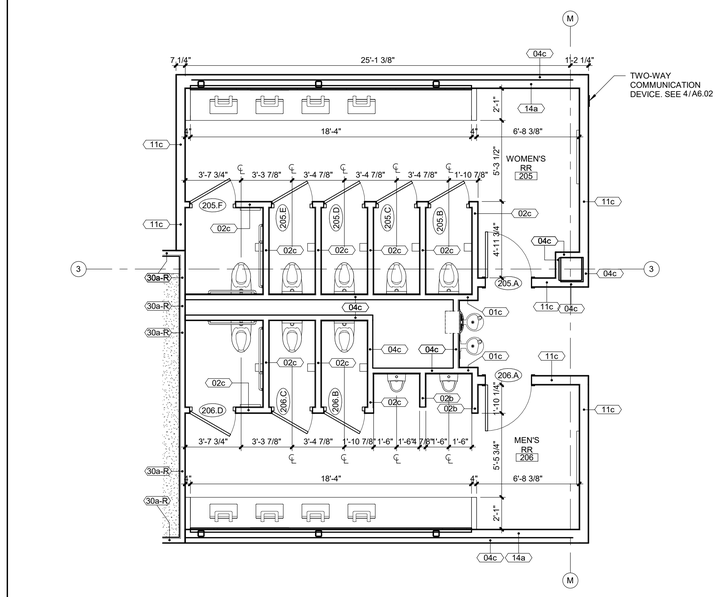
Maximum Reach Depth	05 inch	2 inches	5 inches	6 inches	9 inches	11 inches
Maximum Reach Height	48 inches	46 inches	42 inches	40 inches	36 inches	34 inches

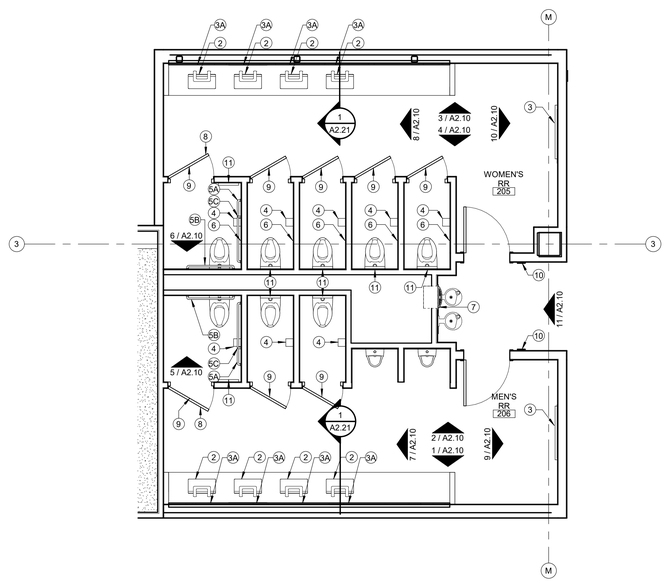
TABLE 603.6 - ANSI-117.1-2009

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 (BOBRICK B-3944)
2. UNDERMOUNT SINK KIT WITH WASHBAR (BRADLEY WB1-1B-ER1)
3. FRAMED MIRROR (42"W X 82"H) PER DIVISION 08
3A. UNFRAMED MIRROR (30"W X 58"H) PER DIVISION 08
4. MULTI-ROLL TOILET TISSUE DISPENSER W/NO KEYED LOCK (BOBRICK B-2888)
5. GRAB BARS AS SHOWN ON PLANS AND ELEVATIONS (BOBRICK B-6806 SERIES)
5A. GRAB BAR (BOBRICK B6806 X 42)
LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
5B. GRAB BAR (BOBRICK B6806 X 36)
LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
5C. GRAB BAR (BOBRICK B6806 X 18)
LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
6. SANITARY NAPKIN DISPOSAL, RECESSED WALL MOUNT (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. 8" DIA. X 3" S.S. TRASH GROMMET (MOCKET TM2C OR EQ.)





2	CORE ENLARGED FLOOR PLAN - 2ND FLOOR	1	RESTROOM ENLARGED FLOOR PLAN - 2ND FLOOR
A2.03	SCALE : 1/4" = 1'-0"	A2.03	SCALE : 1/4" = 1'-0"

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
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7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

ENLARGED TOILET PLANS AND DETAILS

SHEET NUMBER

A2.03

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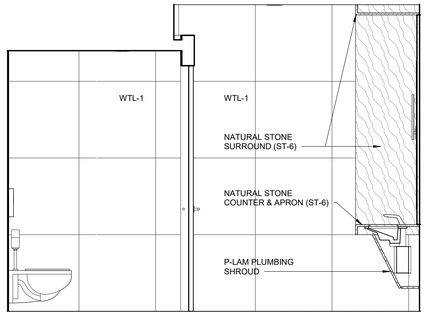
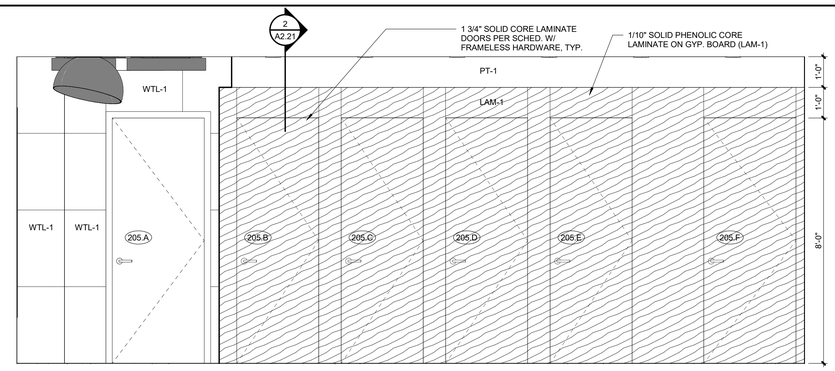
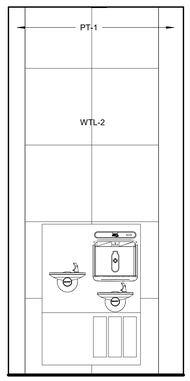


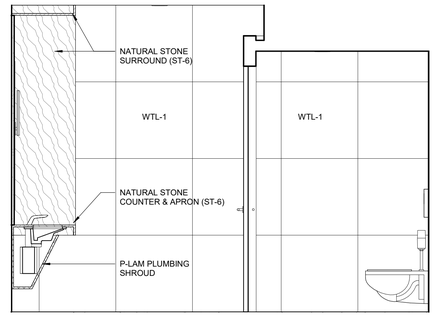
8 WOMEN'S RESTROOM - ELEVATION C
A2.10 SCALE : 1/2" = 1'-0"



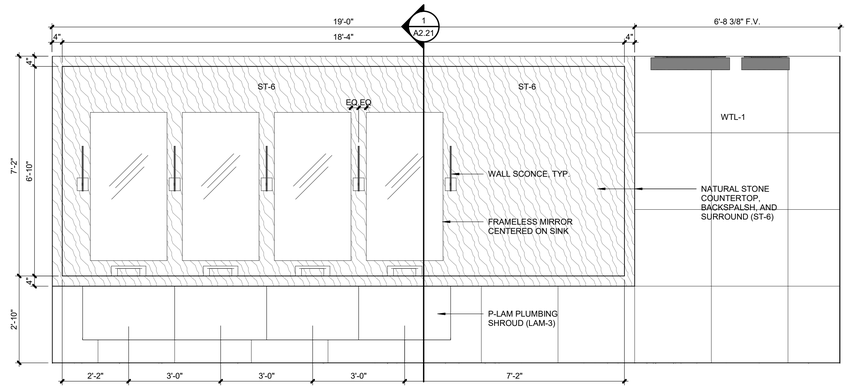
4 WOMEN'S RESTROOM - ELEVATION A
A2.10 SCALE : 1/2" = 1'-0"



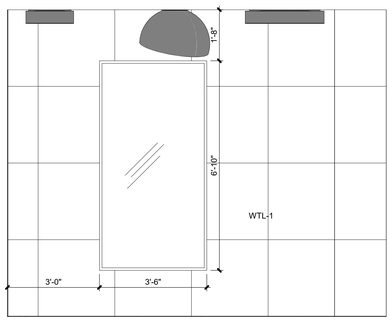
11 DRINKING FOUNTAIN ELEVATION
A2.10 SCALE : 1/2" = 1'-0"



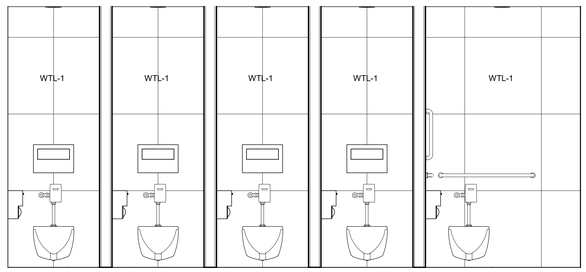
7 MEN'S RESTROOM - ELEVATION C
A2.10 SCALE : 1/2" = 1'-0"



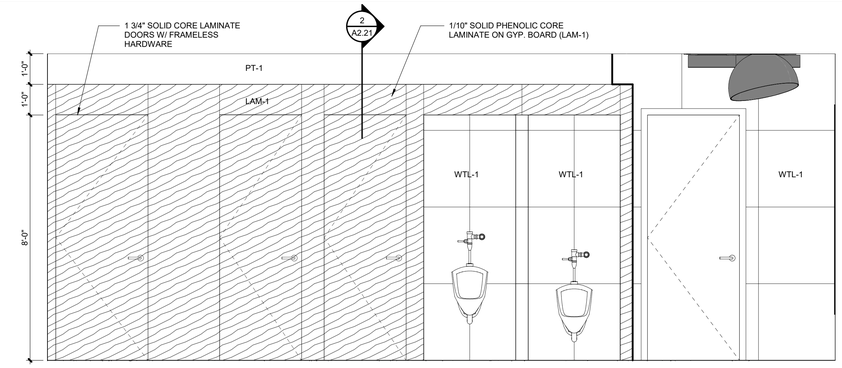
3 WOMEN'S RESTROOM - ELEVATION D
A2.10 SCALE : 1/2" = 1'-0"



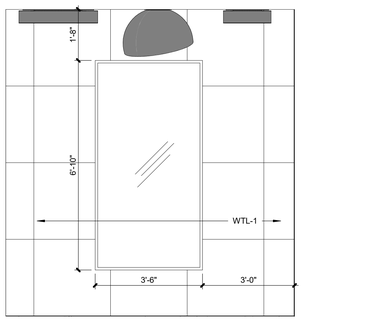
10 WOMEN'S RESTROOM - ELEVATION E
A2.10 SCALE : 1/2" = 1'-0"



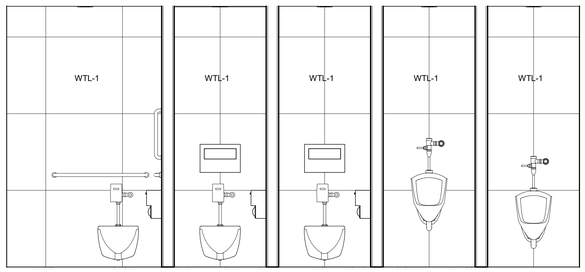
6 WOMEN'S RESTROOM - ELEVATION B
A2.10 SCALE : 1/2" = 1'-0"



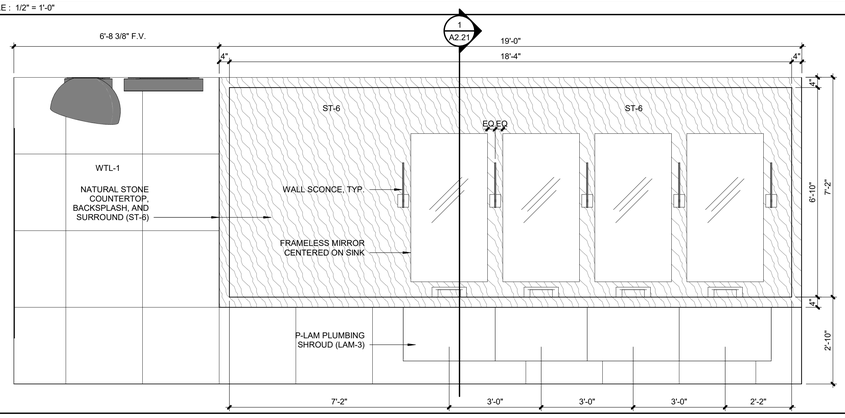
2 MEN'S RESTROOM - ELEVATION A
A2.10 SCALE : 1/2" = 1'-0"



9 MEN'S RESTROOM ELEVATION E
A2.10 SCALE : 1/2" = 1'-0"



5 MEN'S RESTROOM - ELEVATION B
A2.10 SCALE : 1/2" = 1'-0"



1 MEN'S RESTROOM - ELEVATION D
A2.10 SCALE : 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
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DAVID ALAN WILLIAMS
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REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

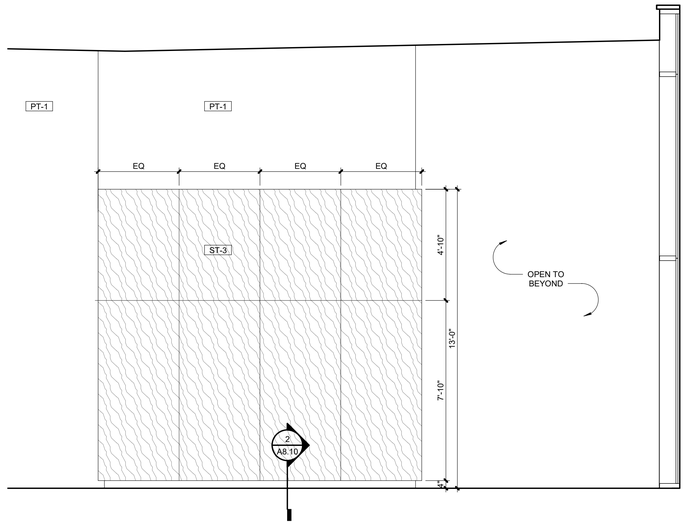
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

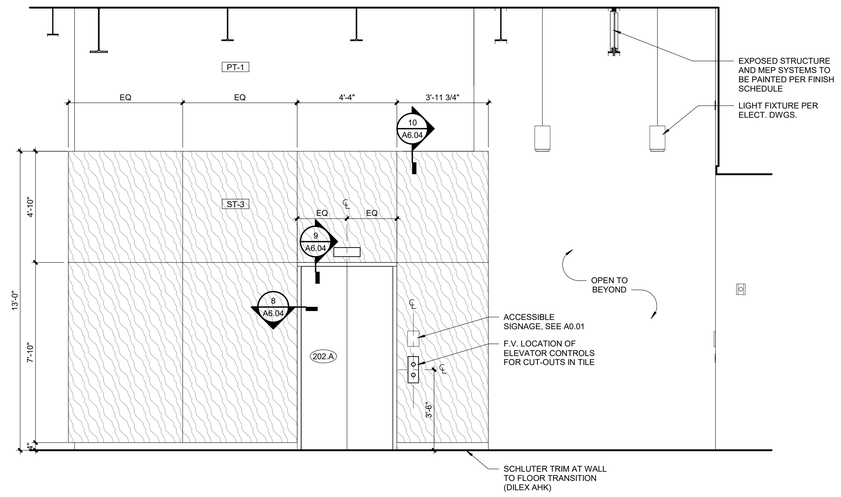
INTERIOR ELEVATIONS

SHEET NUMBER

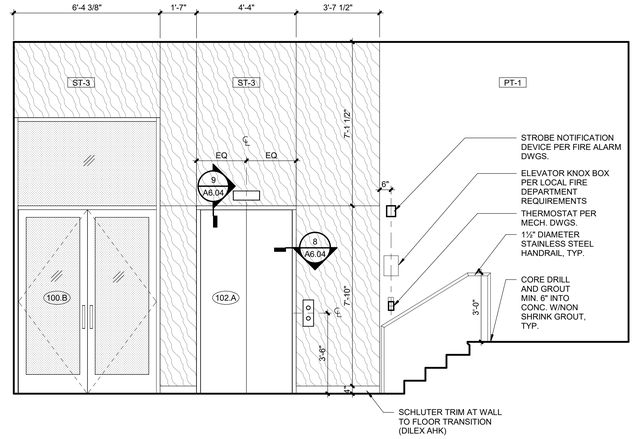
A2.10



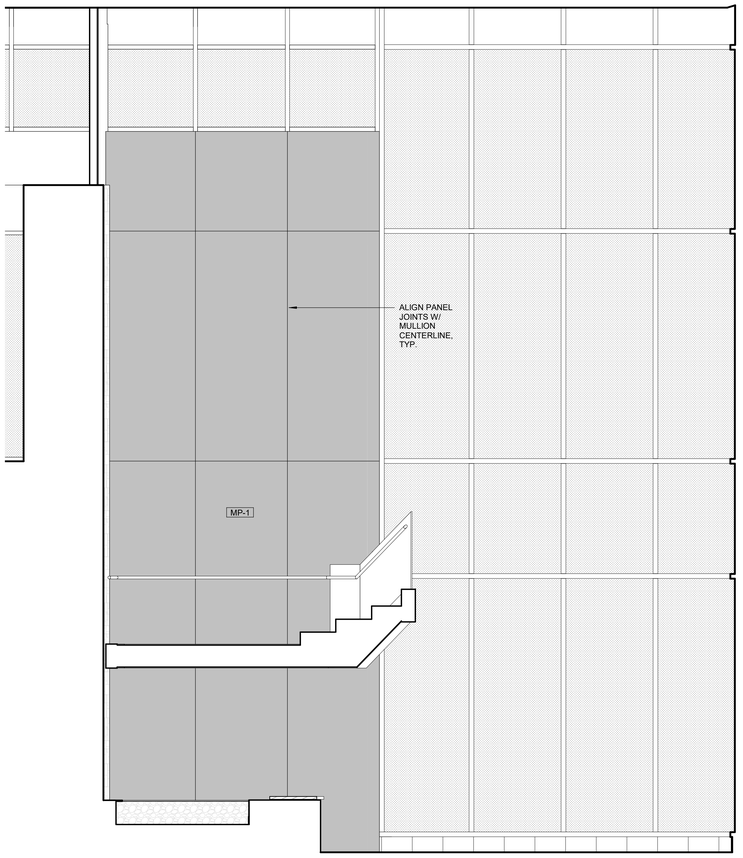
7 LOBBY ELEVATION - 2ND FLOOR
A2.11 SCALE : 3/8" = 1'-0"



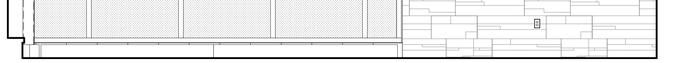
6 ELEVATOR LOBBY ELEVATION - 2ND FLOOR
A2.11 SCALE : 3/8" = 1'-0"



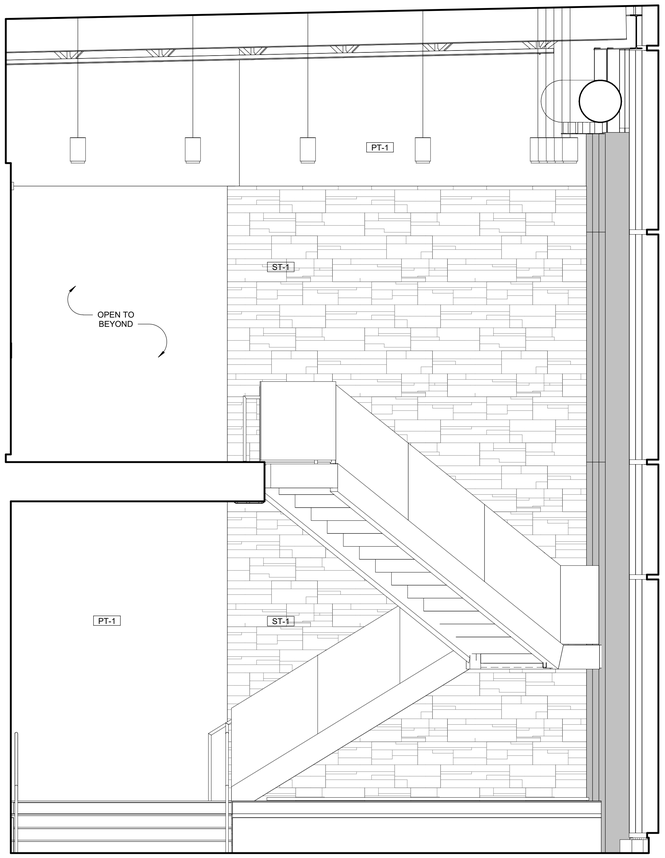
5 ELEVATOR LOBBY ELEVATION - 1ST FLOOR
A2.11 SCALE : 3/8" = 1'-0"



3 LOBBY ELEVATION - NORTH
A2.11 SCALE : 3/8" = 1'-0"



2 LOBBY ELEVATION - EAST
A2.11 SCALE : 3/8" = 1'-0"



1 LOBBY ELEVATION - WEST
A2.11 SCALE : 3/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
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PROJECT TEAM

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CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
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7007 College Blvd, Suite 415
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913+498-1550

SHEET TITLE

INTERIOR ELEVATIONS

SHEET NUMBER

A2.11

RELEASE FOR CONSTRUCTION
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LEE'S SUMMIT, MISSOURI
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PARAGON STAR

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- LOT 9 -
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Overland Park, Kansas 66211
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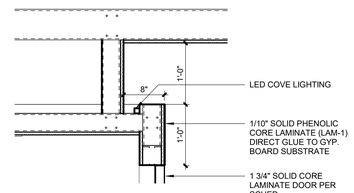
SHEET TITLE

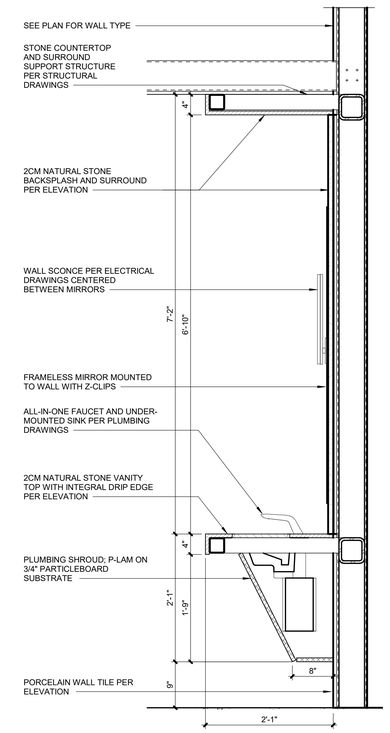
INTERIOR DETAILS

SHEET NUMBER

A2.21



2 RESTROOM SOFFIT COVE DETAIL
A2.21 SCALE : 1" = 1'-0"



1 RESTROOM VANITY SECTION
A2.21 SCALE : 1" = 1'-0"

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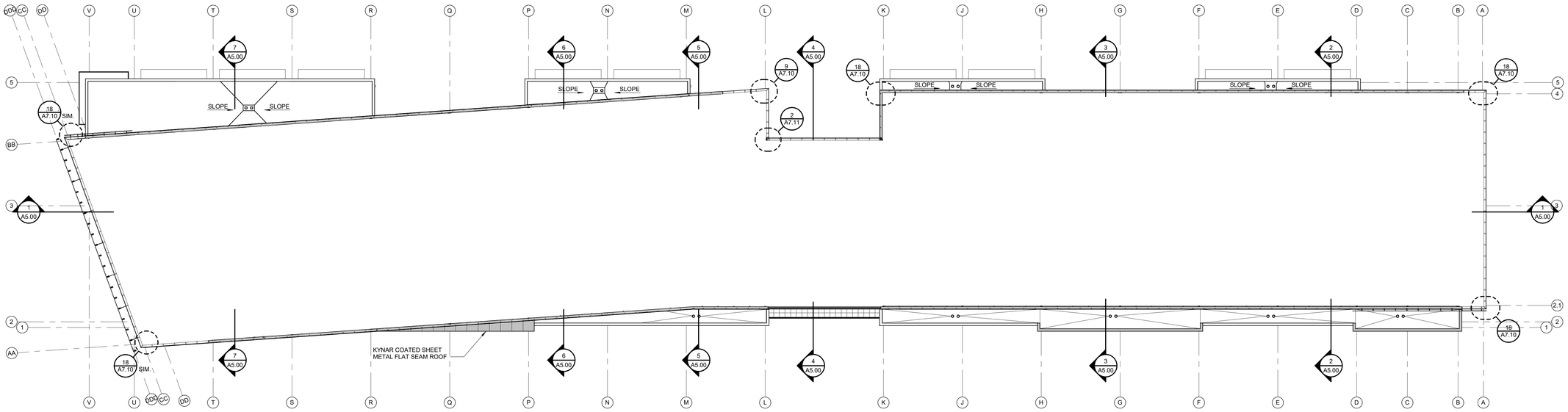
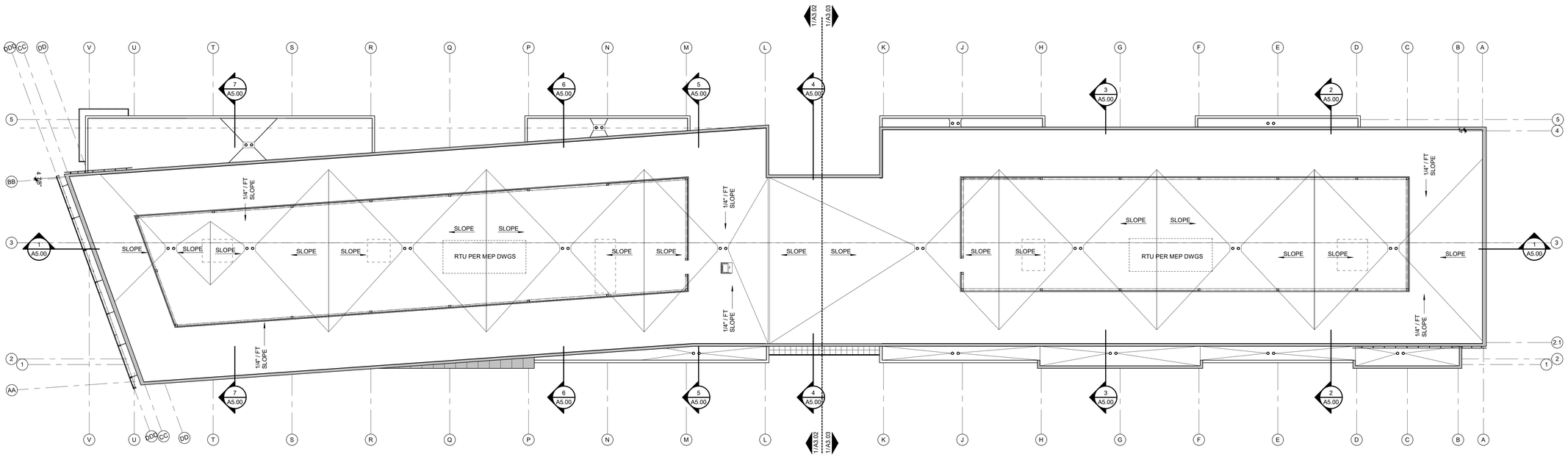


2 LOW ROOF / CLERESTORY PLAN

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



1 ROOF PLAN

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

ROOF PLAN GENERAL NOTES

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

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SHEET TITLE

OVERALL ROOF PLAN

SHEET NUMBER

A3.01

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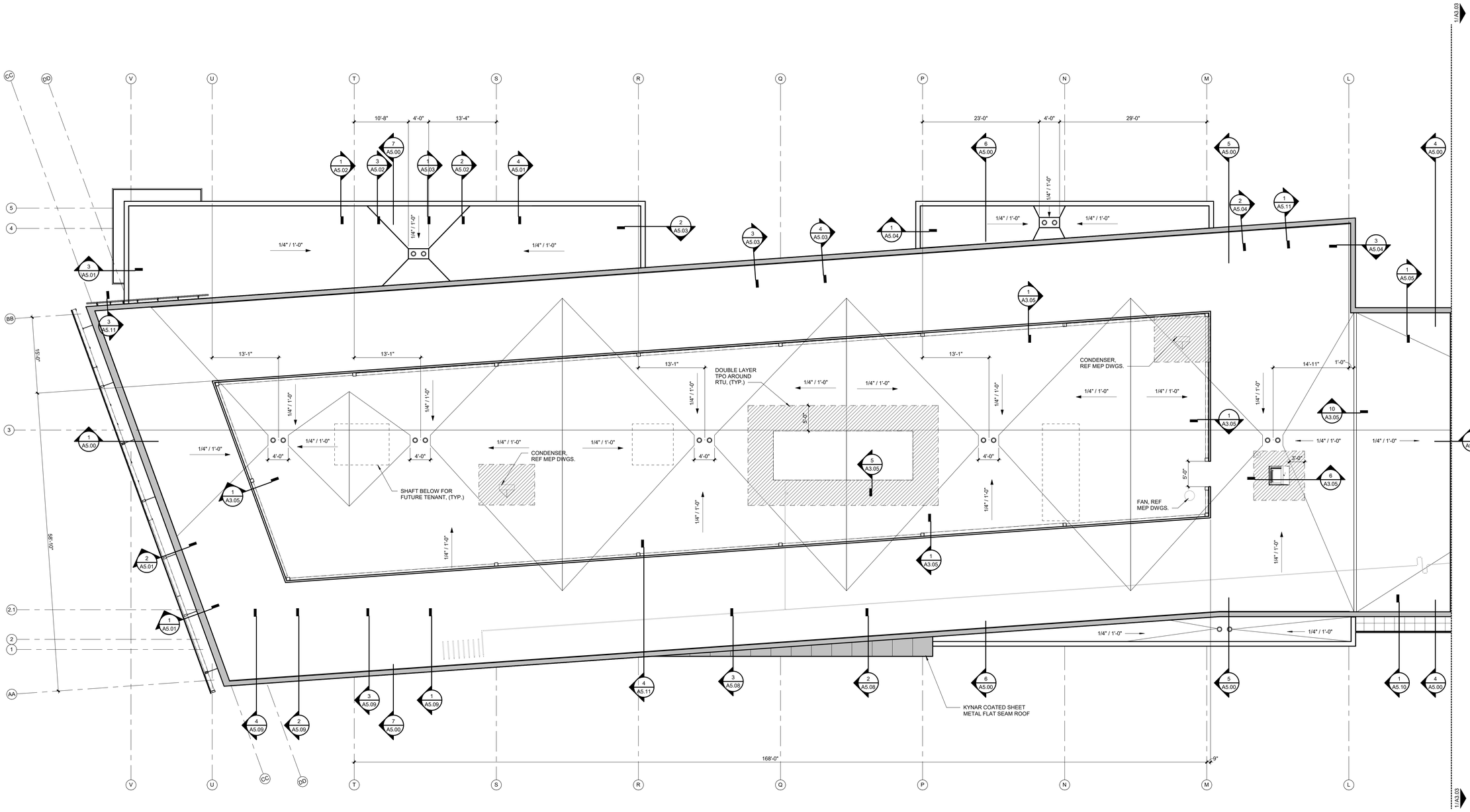

1 ROOF PLAN - WEST
A3.02 SCALE : 1/8" = 1'-0"

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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
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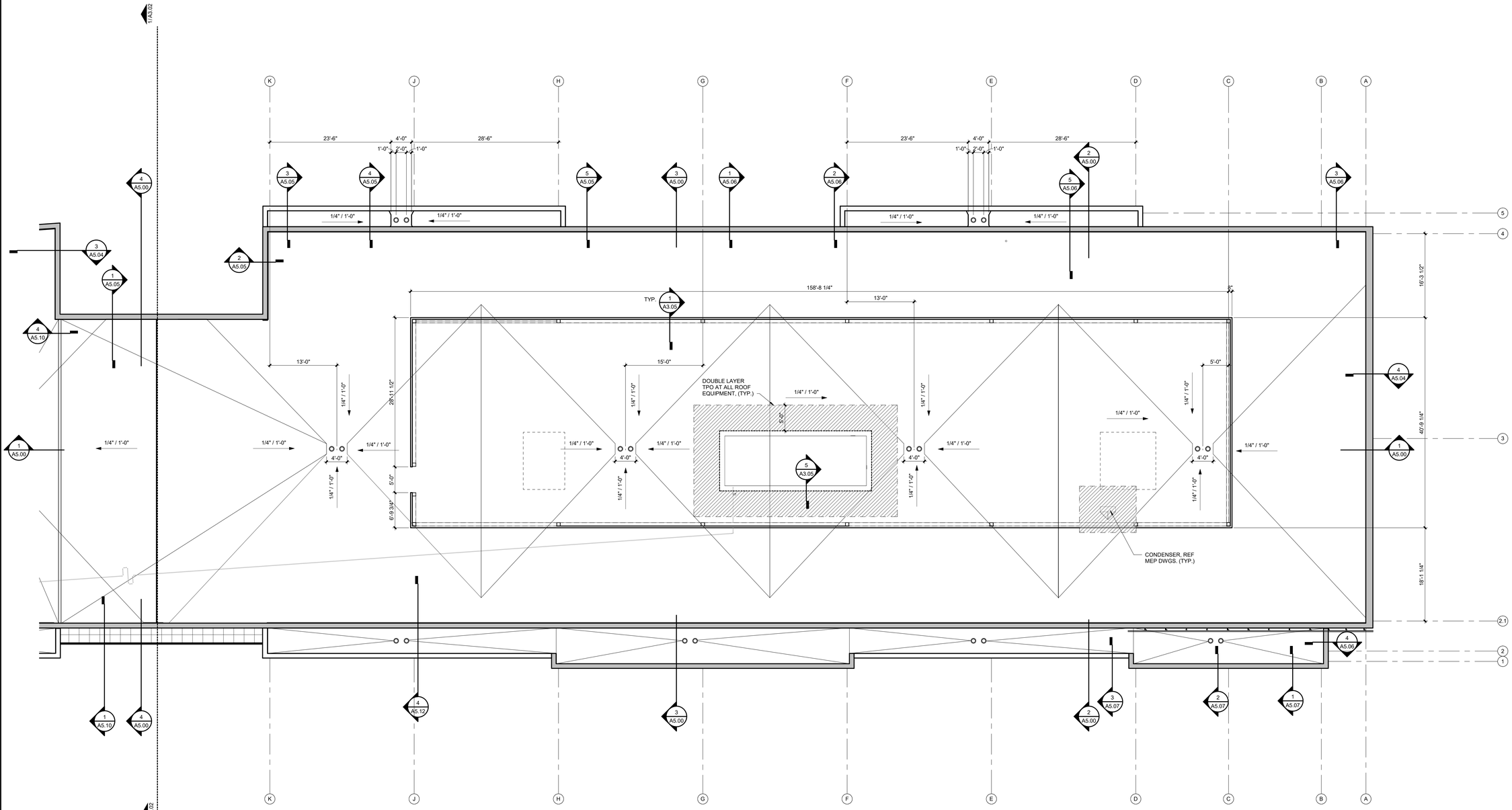
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

ROOF PLAN WEST

SHEET NUMBER

A3.02



1 ROOF PLAN - EAST

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

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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
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ARCHITECTURE
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913+498-1550

SHEET TITLE

ROOF PLAN EAST

SHEET NUMBER

A3.03

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REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

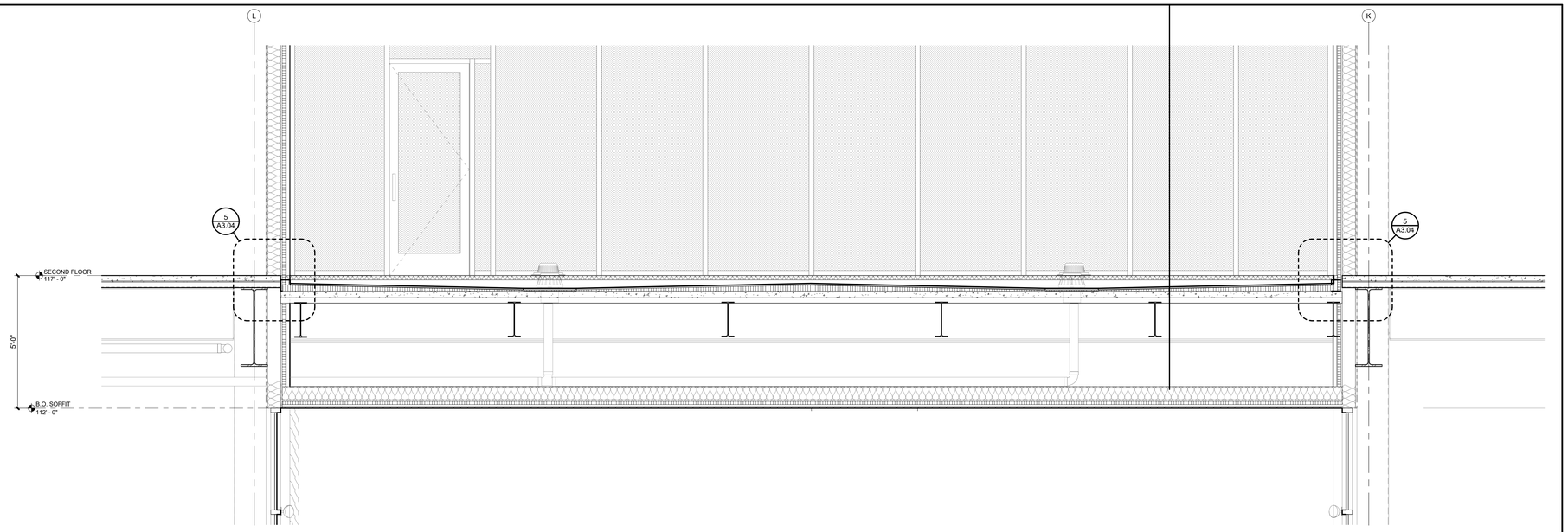
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

ROOF DECK DETAILS

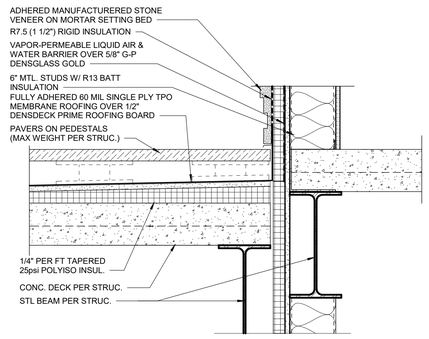
SHEET NUMBER

A3.04



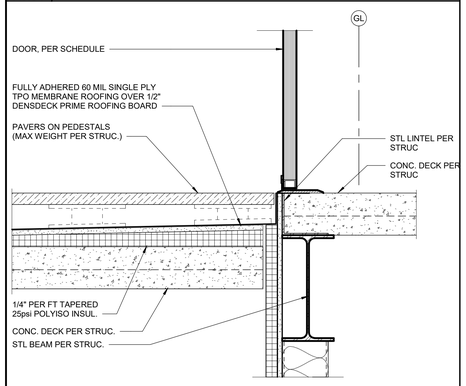
2 ROOF DECK SECTION

A3.04 SCALE : 1/2" = 1'-0"



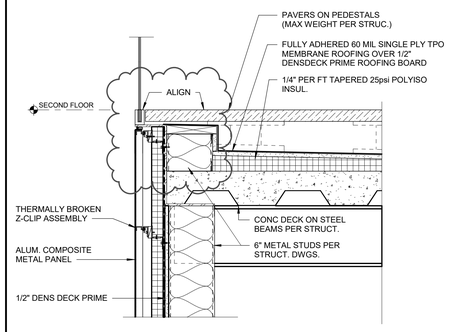
5 ROOF DECK DETAIL

A3.04 SCALE : 1 1/2" = 1'-0"



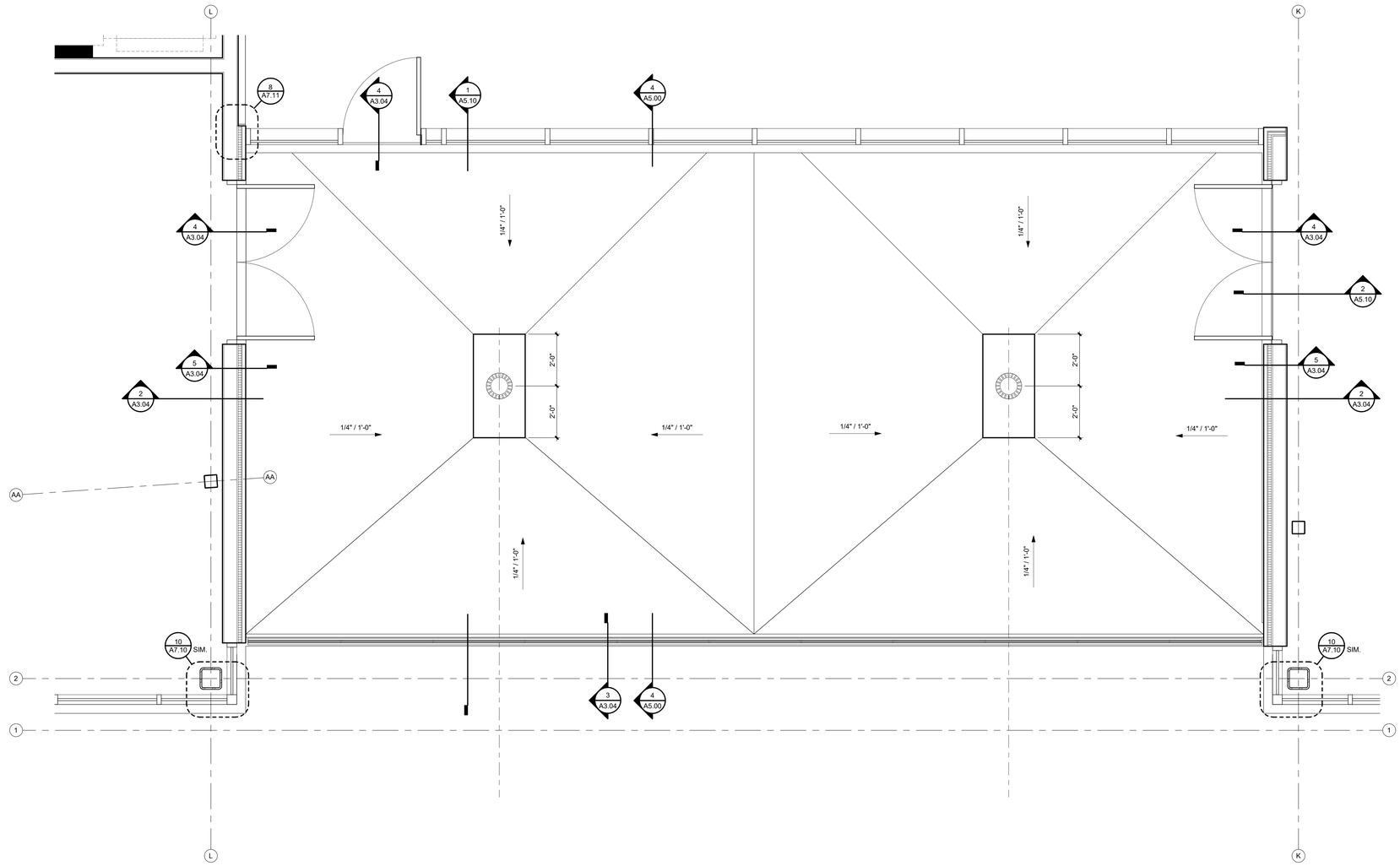
4 ROOF DECK DETAIL

A3.04 SCALE : 1 1/2" = 1'-0"



3 ROOF DECK DETAIL

A3.04 SCALE : 1 1/2" = 1'-0"



1 ROOF PLAN - COVERED ROOF DECK

A3.04 SCALE : 1/2" = 1'-0"

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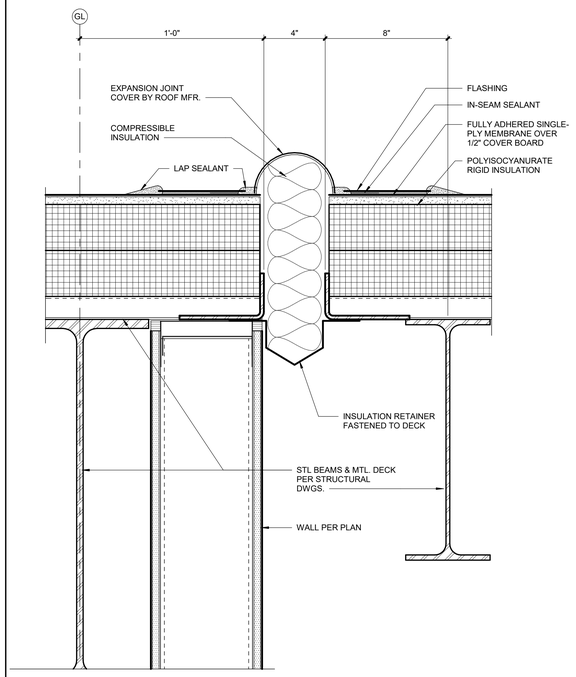
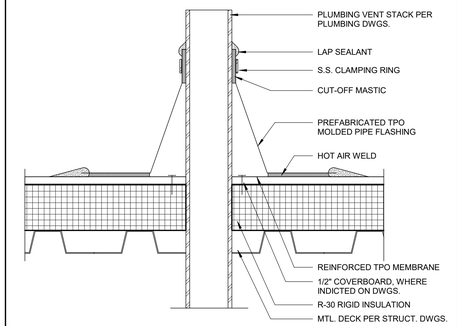
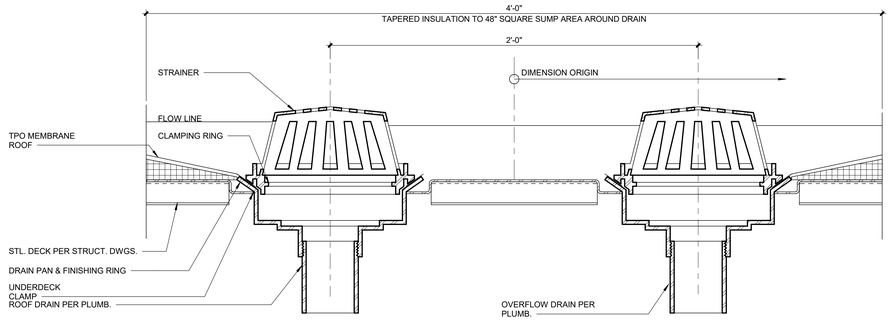
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021



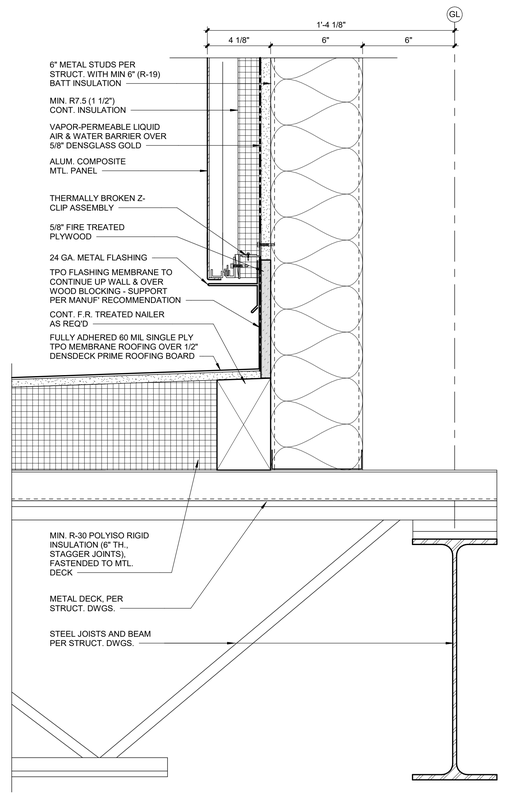
10 ROOF EXPANSION JT. DETAIL
A3.05 SCALE : 3" = 1'-0"



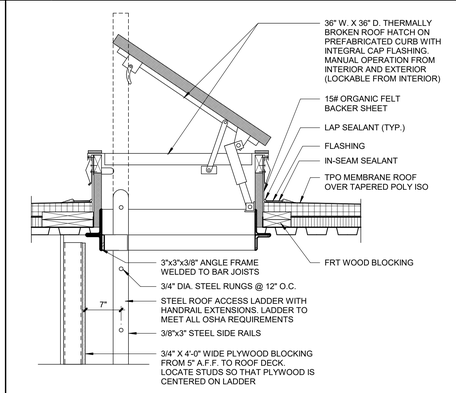
4 VENT STACK DETAIL
A3.05 SCALE : 3" = 1'-0"



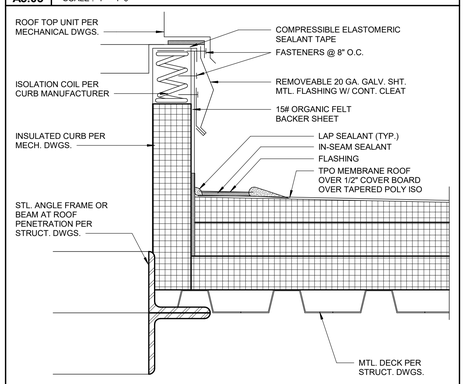
7 ROOF DRAIN DETAIL
A3.05 SCALE : 3" = 1'-0"



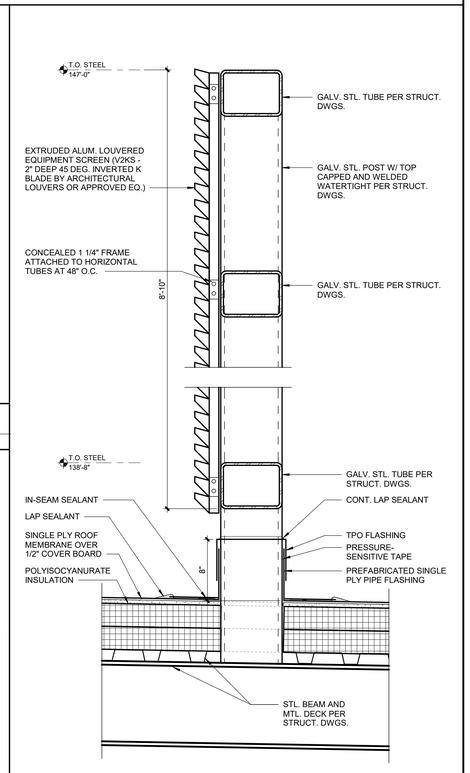
9 ROOF DETAIL
A3.05 SCALE : 3" = 1'-0"



6 ROOF DETAIL AT HATCH
A3.05 SCALE : 1" = 1'-0"



5 MECHANICAL CURB DETAIL
A3.05 SCALE : 3" = 1'-0"



1 ROOF SCREEN DETAIL
A3.05 SCALE : 1 1/2" = 1'-0"

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

ROOF DETAILS

SHEET NUMBER

A3.05

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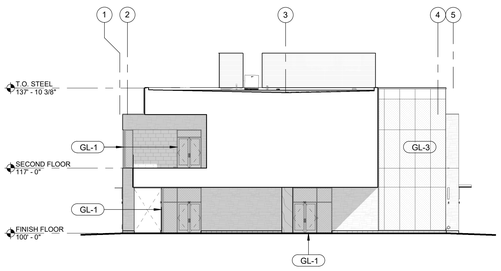
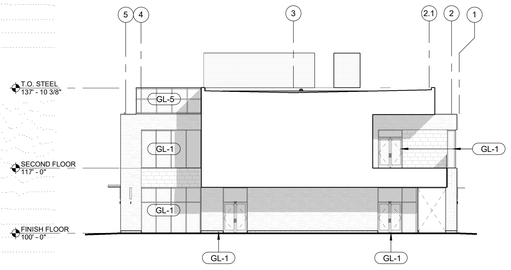


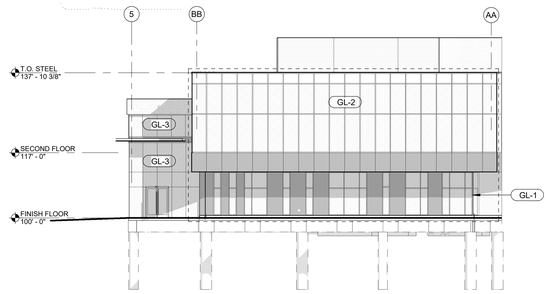
6 BREEZEWAY WEST ELEVATION

A4.01 SCALE : 1/16" = 1'-0"



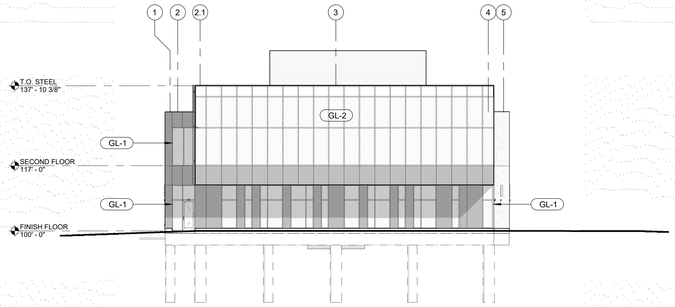
5 BREEZEWAY EAST ELEVATION

A4.01 SCALE : 1/16" = 1'-0"



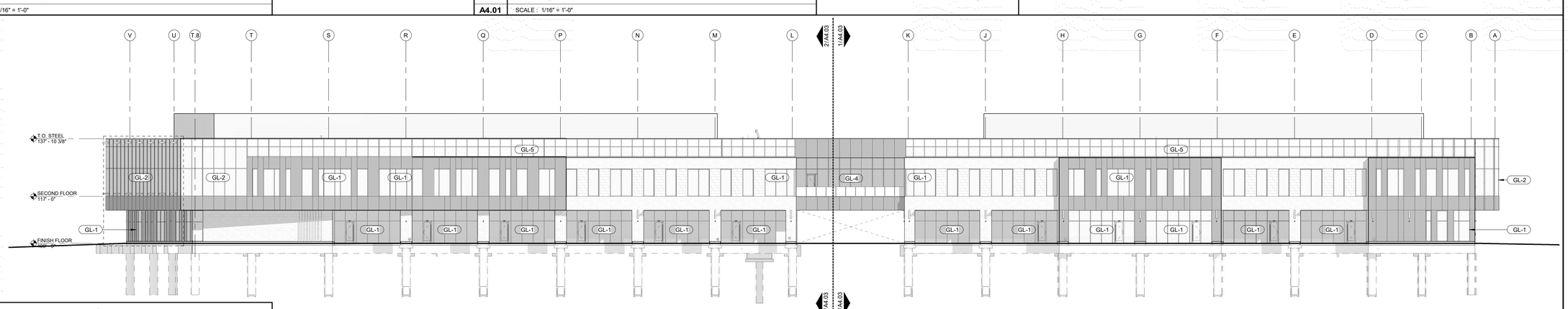
4 WEST ELEVATION

A4.01 SCALE : 1/16" = 1'-0"



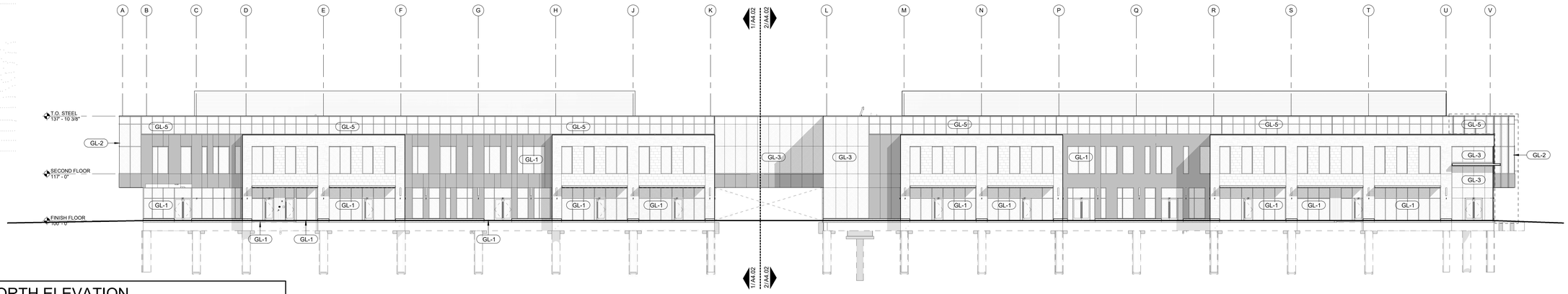
3 EAST ELEVATION

A4.01 SCALE : 1/16" = 1'-0"



2 SOUTH ELEVATION

A4.01 SCALE : 1/16" = 1'-0"



1 NORTH ELEVATION

A4.01 SCALE : 1/16" = 1'-0"

EXTERIOR MATERIAL LEGEND

MP-1	ALUMINUM COMPOSITE METAL (ACM) DRY SYSTEM: ALUCOBOND, COLOR: naturAL BRUSHED CARBON; ACM PANEL JOINTS TO ALIGN W/ GLAZING PER ELEVATIONS
MP-2	KYNAR-COATED BREAK METAL TRIM TO MATCH MP-1
MP-3	KYNAR COATED 24 GA BREAK METAL COPING TO MATCH MP-1
MP-4	KYNAR COATED 24 GA BREAK METAL COPING TO MATCH ST-1
MP-5	ALUMINUM LOUVERED RTU SCREEN; COLOR CLEAR ANODIZED
MP-6	PERFORATED METAL PANEL ON STEEL TUBE GATE/FRAME AT TRASH ENCLOSURE/SCREEN FENCE
MP-7	PERFORATED METAL PANEL SHADE STRUCTURE WITH STEEL TUBE FRAME ON WEST END (HIDDEN FOR CLARITY)
MP-8	STANDING SEAM METAL ROOF TO MATCH MP-1
GL-1	STOREFRONT TYPE 1: 2" x 4.5" KAWNEER PERMACOAT SMOKE GRAY ALUMINUM CENTER GLAZED STOREFRONT SYSTEM W/ 1" INSULATED LOW-E GLAZING UNIT
GL-2	CURTAINWALL TYPE 1: 2.5" x 10.5" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-3	CURTAINWALL TYPE 2: 2.5" x 10.5" KAWNEER PERMACOAT SMOKE GRAY SSG CURTAINWALL W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-4	CURTAINWALL TYPE 3: 2.5" x 7.5" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL STOREFRONT W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-5	CURTAINWALL TYPE 4: 2.5" x 6" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL CLERESTORY W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-6	LIVERS BRONZE GLASS FRAMELESS STRUCT-U-RAIL SYSTEM; CLEAR LAMINATED TEMPERED GLASS *TOP COURSE OF STOREFRONT / CURTAINWALL GLAZING AT CLERESTORY TO BE SPANDRAL GLASS: PPG SOLARBAN 70XL SOLAR CONTROL LOW-E GLAZING UNIT W/ "SUBDUED GRAY" OPACIFIER ON 4TH SURFACE, OR APPROVED EQUAL
WD-1	GEOLAM VERTIGO 5010 COMPOSITE CLADDING, COLOR: MOLESKIN
WD-2	GEOLAM SOLEO 6008 COMPOSITE TRIM, COLOR: MOLESKIN
WD-3	GEOLAM SOLEO 6008 COMPOSITE TRIM, COLOR: MOLESKIN (HIDDEN FOR CLARITY)
ST-1	ELDORADO CULTURED STONE VANTAGE 30, COLOR: WHITE ELM**
ST-2	ELDORADO CULTURED STONE MARQUEE24, COLOR: DOVETAIL**
ST-3	2CM COPPER QUARTZITE CLADDING; PANEL SEAMS PER ELEVATIONS **PROVIDE CONTROL JOINT AT SECOND LEVEL ON ALL ST-1 AND ST-2 LOCATIONS PER MANUF. RECOMMENDATIONS
MB-1	GROUND FACE 8X16 MASONRY BLOCK PER STRUCTURAL DWGS, BURNISHED FINISH, COLOR: MIDWEST SLATE
AWN-1	CANOPY TYPE 1: STEEL CHANNEL WRAP WITH GEOLAM VERTIGO 5010 SOFFIT (COLOR: MOLESKIN)
AWN-2	CANOPY TYPE 2: CANTILEVERED GEOLAM 6008 TRIM
WL-1	EXTERIOR WALL LIGHT PER RCP. MOUNT W/ TOP ALIGNED AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO
WL-2	EXTERIOR WALL LIGHT PER RCP. MOUNT W/ TOP ALIGNED AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO
FP-1	LOCATION FOR FDC AND KNOX BOX. PER FIRE PROTECTION DRAWINGS; CENTER FIXTURES IN WALL UNO
PD-1	ROOF OVERFLOW DRAIN DOWNSPOUT COVER PER PLUMBING DRAWINGS; CENTER UNDER WL-1 ABV OR ON WALL SPACE UNO

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

EXTERIOR ELEVATIONS - OVERALL

SHEET NUMBER

A4.01

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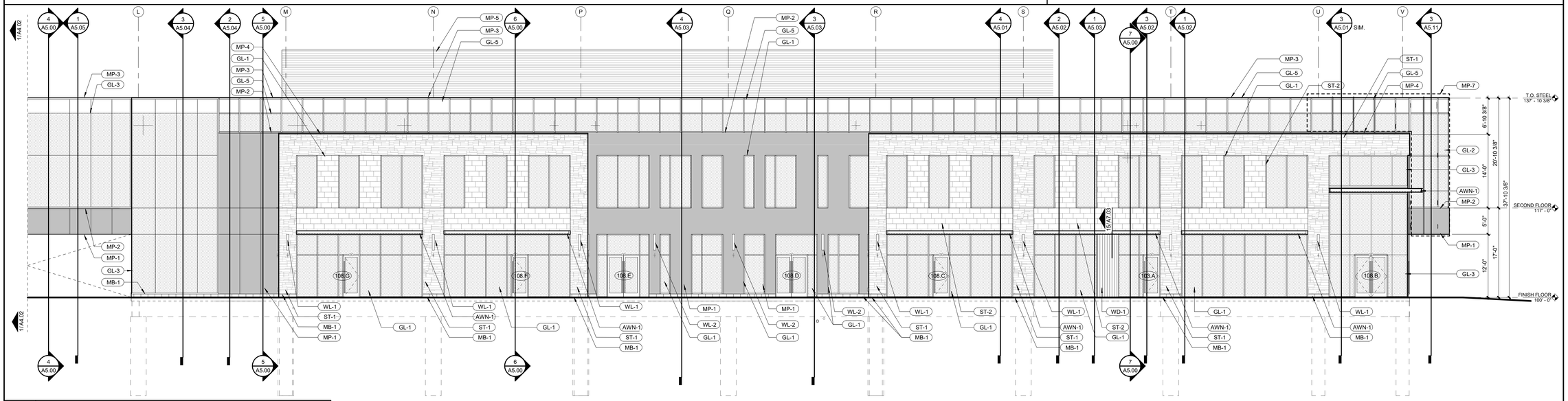
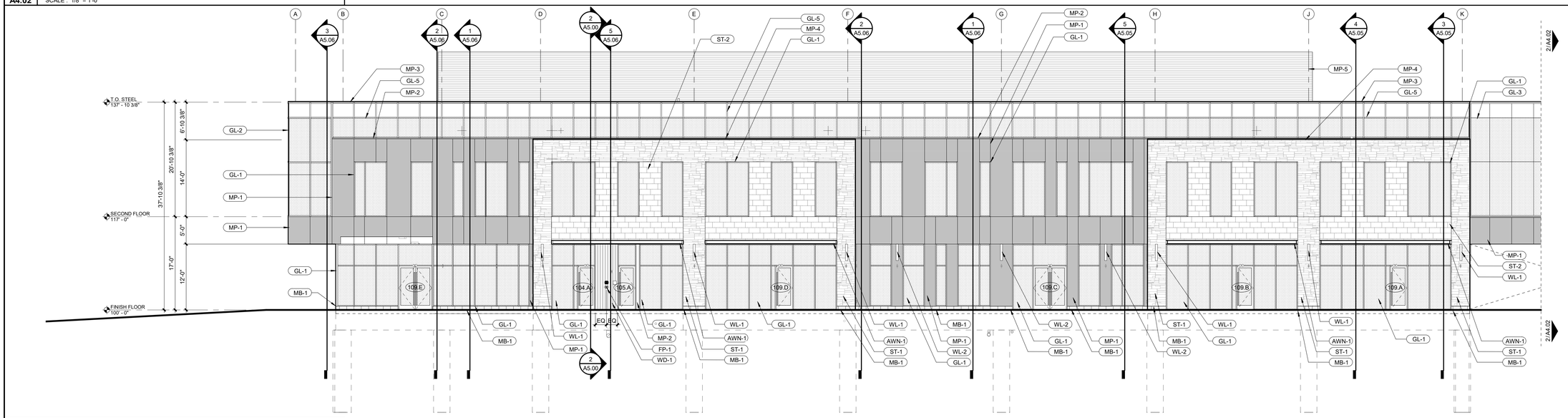
EXTERIOR MATERIAL LEGEND

MP-1	ALUMINUM COMPOSITE METAL (ACM) DRY SYSTEM: ALUCOBOND, COLOR: naturAL BRUSHED CARBON; ACM PANEL JOINTS TO ALIGN W/ GLAZING PER ELEVATIONS
MP-2	KYNAR-COATED BREAK METAL TRIM TO MATCH MP-1
MP-3	KYNAR COATED 24 GA BREAK METAL COPING TO MATCH MP-1
MP-4	KYNAR COATED 24 GA BREAK METAL COPING TO MATCH ST-1
MP-5	ALUMINUM LOUVERED RTU SCREEN; COLOR CLEAR ANODIZED
MP-6	PERFORATED METAL PANEL ON STEEL TUBE GATE/FRAME AT TRASH ENCLOSURE/SCREEN FENCE
MP-7	PERFORATED METAL PANEL SHADE STRUCTURE WITH STEEL TUBE FRAME ON WEST END (HIDDEN FOR CLARITY)
MP-8	STANDING SEAM METAL ROOF TO MATCH MP-1
GL-1	STOREFRONT TYPE 1: 2" x 4.5" KAWNEER PERMACOAT SMOKE GRAY ALUMINUM CENTER GLAZED STOREFRONT SYSTEM W/ 1" INSULATED LOW-E GLAZING UNIT
GL-2	CURTAINWALL TYPE 1: 2.5" x 10.5" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-3	CURTAINWALL TYPE 2: 2.5" x 10.5" KAWNEER PERMACOAT SMOKE GRAY SSG CURTAINWALL W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-4	CURTAINWALL TYPE 3: 2.5" x 7.5" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL STOREFRONT W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-5	CURTAINWALL TYPE 4: 2.5" x 6" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL CLERESTORY W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-6	LIVERS BRONZE GLASS FRAMELESS STRUCT-U-RAIL SYSTEM; CLEAR LAMINATED TEMPERED GLASS *TOP COURSE OF STOREFRONT / CURTAINWALL GLAZING AT CLERESTORY TO BE SPANDRAL GLASS: PPG SOLARBAN 70XL SOLAR CONTROL LOW-E GLAZING UNIT W/ "SUBDUED GRAY" OPACIFIER ON 4TH SURFACE, OR APPROVED EQUAL
WD-1	GEOLAM VERTIGO 5010 COMPOSITE CLADDING, COLOR: MOLESKIN
WD-2	GEOLAM SOLEO 6008 COMPOSITE TRIM, COLOR: MOLESKIN
WD-3	GEOLAM SOLEO 6008 COMPOSITE TRIM, COLOR: MOLESKIN (HIDDEN FOR CLARITY)
ST-1	ELDORADO CULTURED STONE VANTAGE 30, COLOR: WHITE ELM**
ST-2	ELDORADO CULTURED STONE MARQUEE24, COLOR: DOVETAIL**
ST-3	2CM COPPER QUARTZITE CLADDING; PANEL SEAMS PER ELEVATIONS **PROVIDE CONTROL JOINT AT SECOND LEVEL ON ALL ST-1 AND ST-2 LOCATIONS PER MANUF. RECOMMENDATIONS
MB-1	GROUND FACE 8X16 MASONRY BLOCK PER STRUCTURAL DWGS, BURNISHED FINISH, COLOR: MIDWEST SLATE
AWN-1	CANOPY TYPE 1: STEEL CHANNEL WRAP WITH GEOLAM VERTIGO 5010 SOFFIT (COLOR: MOLESKIN)
AWN-2	CANOPY TYPE 2: CANTILEVERED GEOLAM 6008 TRIM
WL-1	EXTERIOR WALL LIGHT PER RCP. MOUNT W/ TOP ALIGNED AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO
WL-2	EXTERIOR WALL LIGHT PER RCP. MOUNT W/ TOP ALIGNED AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO
FP-1	LOCATION FOR FDC AND KNOX BOX PER FIRE PROTECTION DRAWINGS; CENTER FIXTURES IN WALL UNO
PD-1	ROOF OVERFLOW DRAIN DOWNSPOT COVER PER PLUMBING DRAWINGS; CENTER UNDER WL-1 ABV OR ON WALL SPACE UNO



2 NORTH ELEVATION - ENLARGED - WEST

A4.02 SCALE : 1/8" = 1'-0"



1 NORTH ELEVATION - ENLARGED - EAST

A4.02 SCALE : 1/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

EXTERIOR ELEVATIONS - NORTH

SHEET NUMBER

A4.02

EXTERIOR MATERIAL LEGEND

MP-1	ALUMINUM COMPOSITE METAL (ACM) DRY SYSTEM: ALUCOBOND, COLOR: naturAL BRUSHED CARBON; ACM PANEL JOINTS TO ALIGN W/ GLAZING PER ELEVATIONS
MP-2	KYNAR-COATED BREAK METAL TRIM TO MATCH MP-1
MP-3	KYNAR COATED 24 GA BREAK METAL COPING TO MATCH MP-1
MP-4	KYNAR COATED 24 GA BREAK METAL COPING TO MATCH ST-1
MP-5	ALUMINUM LOUVERED RTU SCREEN; COLOR CLEAR ANODIZED
MP-6	PERFORATED METAL PANEL ON STEEL TUBE GATE/FRAME AT TRASH ENCLOSURE/SCREEN FENCE
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GL-1	STOREFRONT TYPE 1: 2" x 4.5" KAWNEER PERMACOAT SMOKE GRAY ALUMINUM CENTER GLAZED STOREFRONT SYSTEM W/ 1" INSULATED LOW-E GLAZING UNIT
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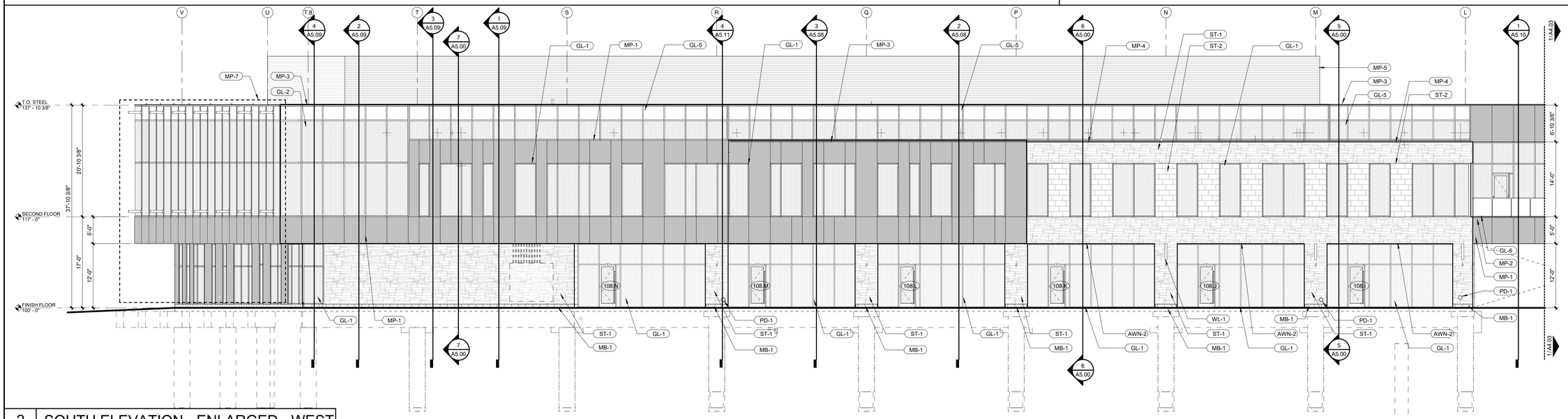
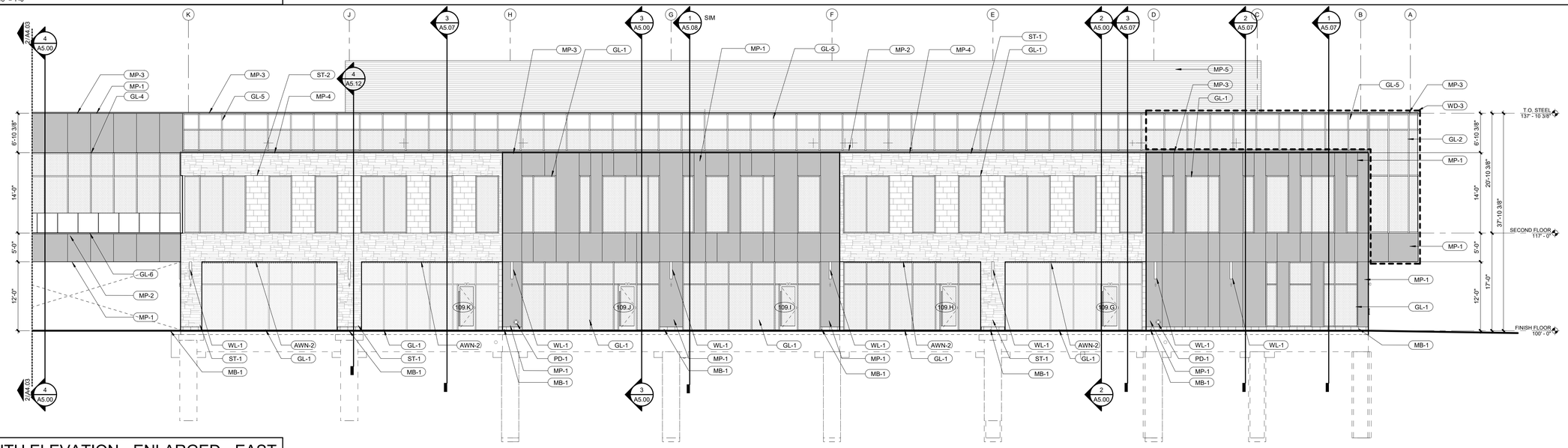
FP-1	LOCATION FOR FDC AND KNOX BOX PER FIRE PROTECTION DRAWINGS; CENTER FIXTURES IN WALL UNO
PD-1	ROOF OVERFLOW DRAIN DOWNSPOT COVER PER PLUMBING DRAWINGS; CENTER UNDER WL-1 ABV OR ON WALL SPACE UNO



2 SOUTH ELEVATION - ENLARGED - WEST

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



1 SOUTH ELEVATION - ENLARGED - EAST

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

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

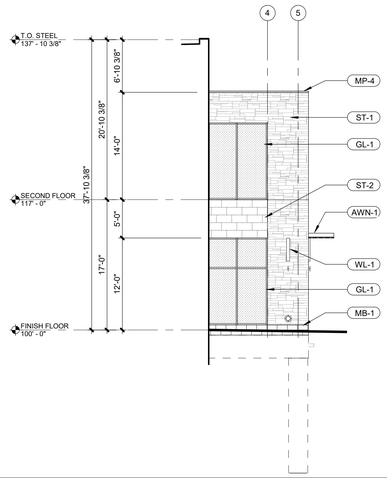
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

EXTERIOR ELEVATIONS - SOUTH

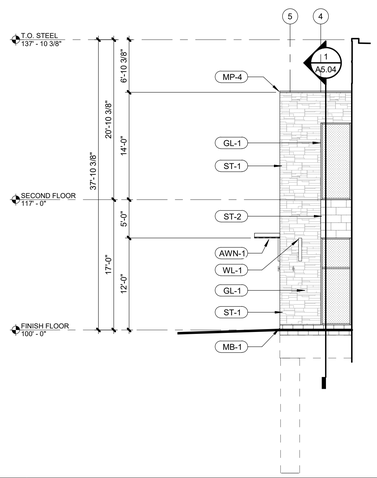
SHEET NUMBER

A4.03



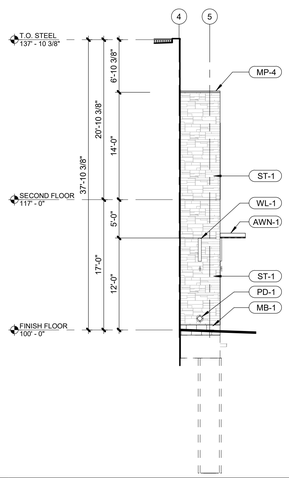
7 SIDEWALL ELEVATION

A4.04 SCALE : 1/8" = 1'-0"



6 SIDEWALL ELEVATION

A4.04 SCALE : 1/8" = 1'-0"

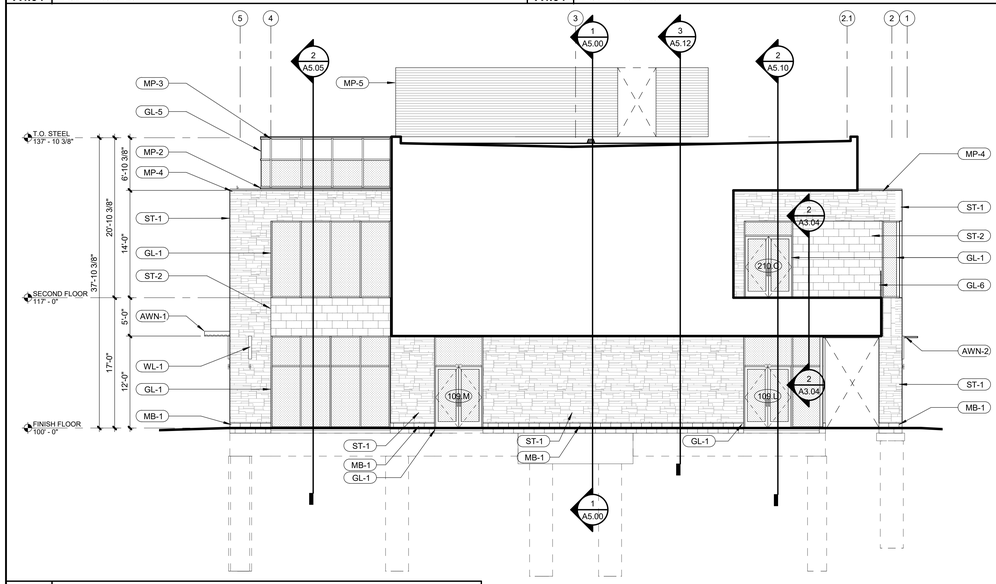


5 SIDEWALL ELEVATION

A4.04 SCALE : 1/8" = 1'-0"

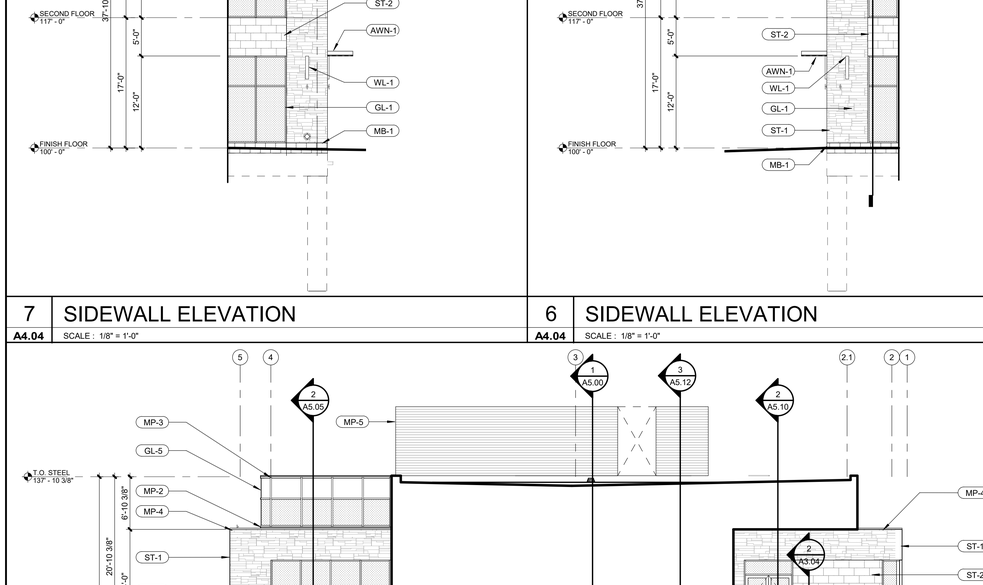
EXTERIOR MATERIAL LEGEND

MP-1	ALUMINUM COMPOSITE METAL (ACM) DRY SYSTEM: ALUCOBOND, COLOR: naturAL BRUSHED CARBON; ACM PANEL JOINTS TO ALIGN W/ GLAZING PER ELEVATIONS
MP-2	KYNAR-COATED BREAK METAL TRIM TO MATCH MP-1
MP-3	KYNAR COATED 24 GA BREAK METAL COPING TO MATCH MP-1
MP-4	KYNAR COATED 24 GA BREAK METAL COPING TO MATCH ST-1
MP-5	ALUMINUM LOUVERED RTU SCREEN; COLOR CLEAR ANODIZED
MP-6	PERFORATED METAL PANEL ON STEEL TUBE GATE/FRAME AT TRASH ENCLOSURE/SCREEN FENCE
MP-7	PERFORATED METAL PANEL SHADE STRUCTURE WITH STEEL TUBE FRAME ON WEST END (HIDDEN FOR CLARITY)
MP-8	STANDING SEAM METAL ROOF TO MATCH MP-1
GL-1	STOREFRONT TYPE 1: 2" x 4.5" KAWNEER PERMACOAT SMOKE GRAY ALUMINUM CENTER GLAZED STOREFRONT SYSTEM W/ 1" INSULATED LOW-E GLAZING UNIT
GL-2	CURTAINWALL TYPE 1: 2.5" x 10.5" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-3	CURTAINWALL TYPE 2: 2.5" x 10.5" KAWNEER PERMACOAT SMOKE GRAY SSG CURTAINWALL W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-4	CURTAINWALL TYPE 3: 2.5" x 7.5" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL STOREFRONT W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-5	CURTAINWALL TYPE 4: 2.5" x 6" KAWNEER PERMACOAT SMOKE GRAY CURTAINWALL CLERESTORY W/ 1" INSULATED LOW-E GLAZING UNIT*
GL-6	LIVERS BRONZE GLASS FRAMELESS STRUCT-U-RAIL SYSTEM; CLEAR LAMINATED TEMPERED GLASS *TOP COURSE OF STOREFRONT / CURTAINWALL GLAZING AT CLERESTORY TO BE SPANDRAL GLASS: PPG SOLARBAN 70XL SOLAR CONTROL LOW-E GLAZING UNIT W/ "SUBDUED GRAY" OPACIFIER ON 4TH SURFACE, OR APPROVED EQUAL
WD-1	GEOLAM VERTIGO 5010 COMPOSITE CLADDING, COLOR: MOLESKIN
WD-2	GEOLAM SOLEO 6008 COMPOSITE TRIM, COLOR: MOLESKIN
WD-3	GEOLAM SOLEO 6008 COMPOSITE TRIM, COLOR: MOLESKIN (HIDDEN FOR CLARITY)
ST-1	ELDORADO CULTURED STONE VANTAGE 30, COLOR: WHITE ELM**
ST-2	ELDORADO CULTURED STONE MARQUEE24, COLOR: DOVETAIL**
ST-3	2CM COPPER QUARTZITE CLADDING; PANEL SEAMS PER ELEVATIONS **PROVIDE CONTROL JOINT AT SECOND LEVEL ON ALL ST-1 AND ST-2 LOCATIONS PER MANUF. RECOMMENDATIONS
MB-1	GROUND FACE 8X16 MASONRY BLOCK PER STRUCTURAL DWGS, BURNISHED FINISH, COLOR: MIDWEST SLATE
AWN-1	CANOPY TYPE 1: STEEL CHANNEL WRAP WITH GEOLAM VERTIGO 5010 SOFFIT (COLOR: MOLESKIN)
AWN-2	CANOPY TYPE 2: CANTILEVERED GEOLAM 6008 TRIM
WL-1	EXTERIOR WALL LIGHT PER RCP. MOUNT W/ TOP ALIGNED AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO
WL-2	EXTERIOR WALL LIGHT PER RCP. MOUNT W/ TOP ALIGNED AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO
FP-1	LOCATION FOR FDC AND KNOX BOX. PER FIRE PROTECTION DRAWINGS; CENTER FIXTURES IN WALL UNO
PD-1	ROOF OVERFLOW DRAIN DOWNSPOUT COVER PER PLUMBING DRAWINGS; CENTER UNDER WL-1 ABV OR ON WALL SPACE UNO



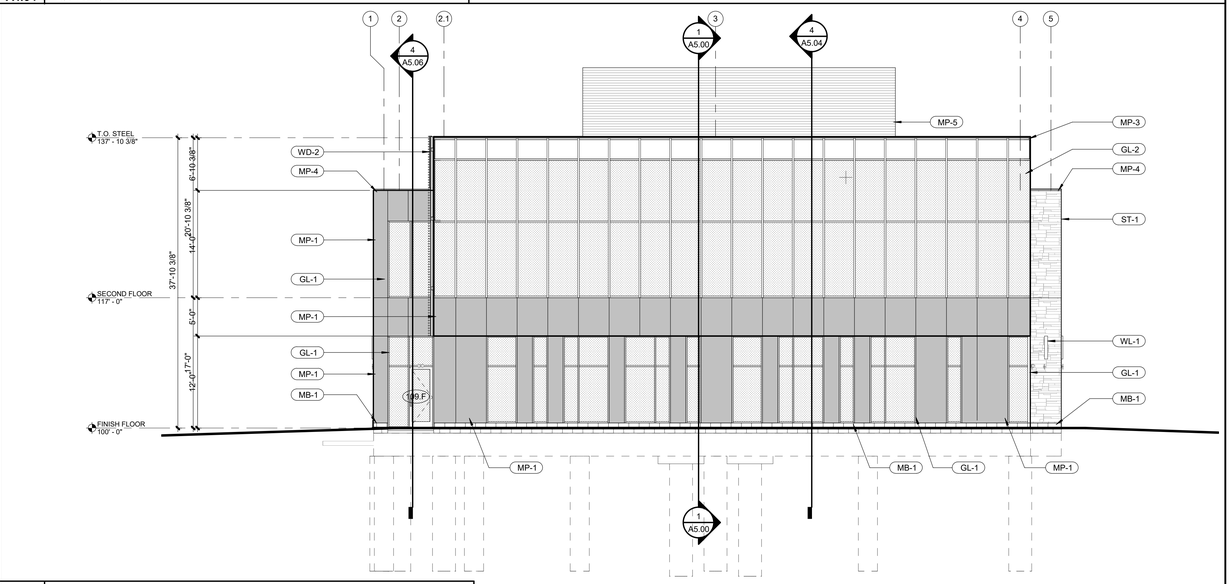
4 BREEZEWAY EAST ELEVATION

A4.04 SCALE : 1/8" = 1'-0"



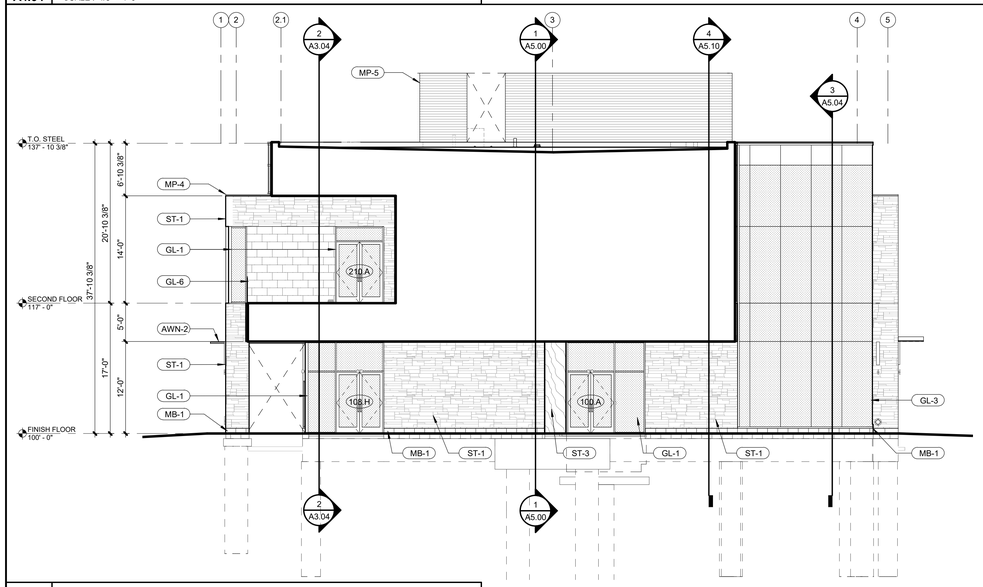
3 BREEZEWAY WEST ELEVATION

A4.04 SCALE : 1/8" = 1'-0"



2 EAST ELEVATION

A4.04 SCALE : 1/8" = 1'-0"



1 WEST ELEVATION

A4.04 SCALE : 1/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
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REVISIONS

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ELECTRICAL	HENDERSON ENGINEERS
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CONTRACTOR	FOGEL ANDERSON

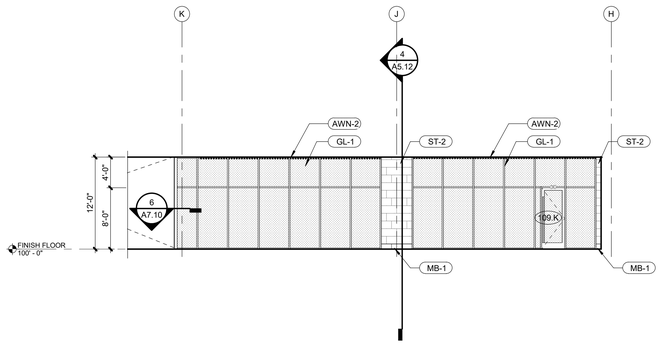
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

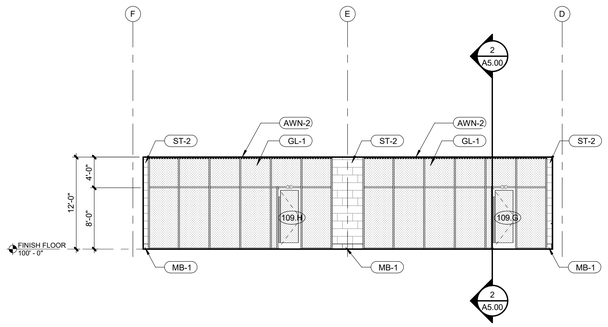
EXTERIOR ELEVATIONS - EAST & WEST

SHEET NUMBER

A4.04



10 SOUTH PATIO ELEVATION
A4.05 SCALE : 1/8" = 1'-0"



9 SOUTH PATIO ELEVATION
A4.05 SCALE : 1/8" = 1'-0"

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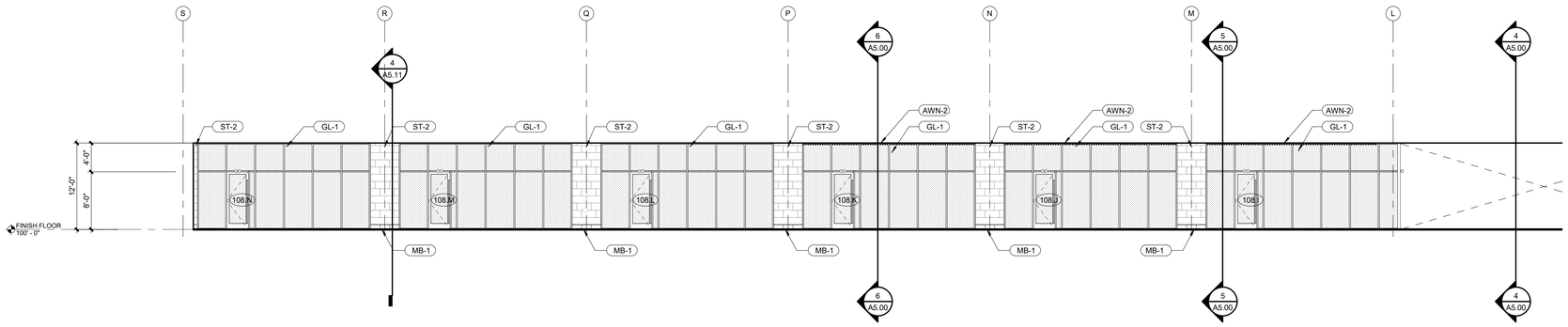
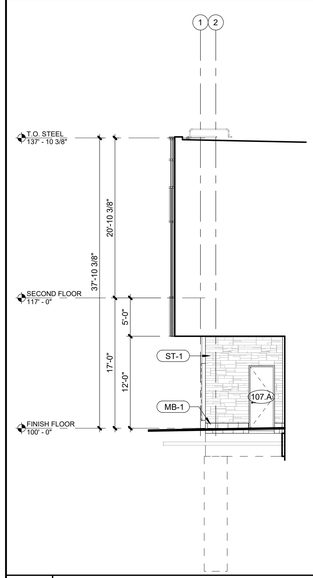
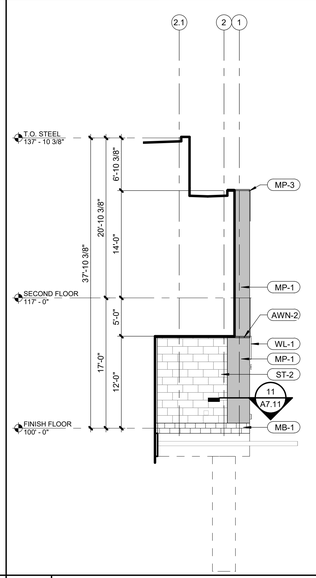


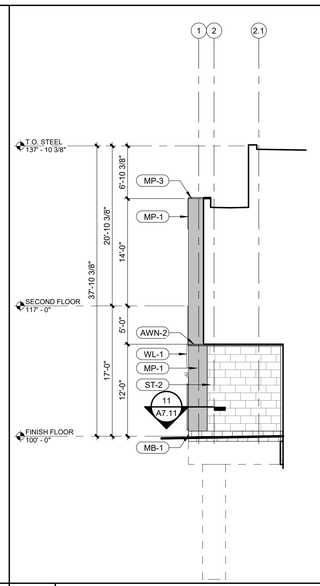
8 SOUTH PATIO ELEVATION
A4.05 SCALE : 1/8" = 1'-0"



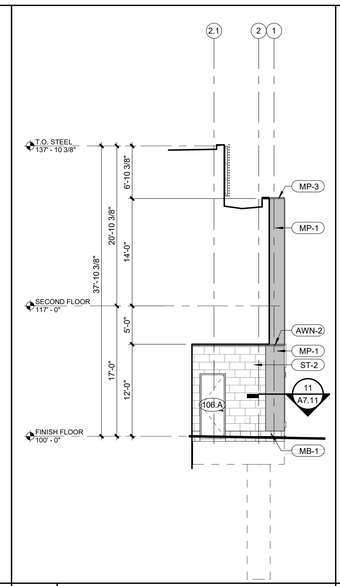
7 WEST PATIO ELEVATION
A4.05 SCALE : 1/8" = 1'-0"



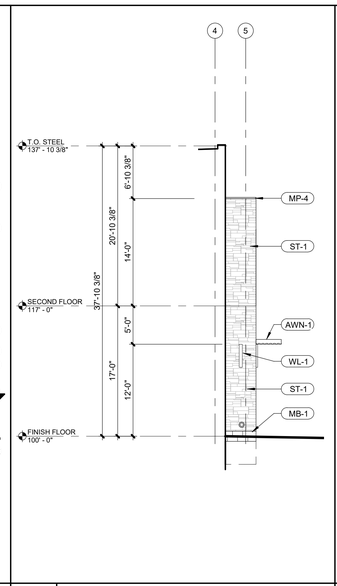
6 EAST PATIO ELEVATION
A4.05 SCALE : 1/8" = 1'-0"



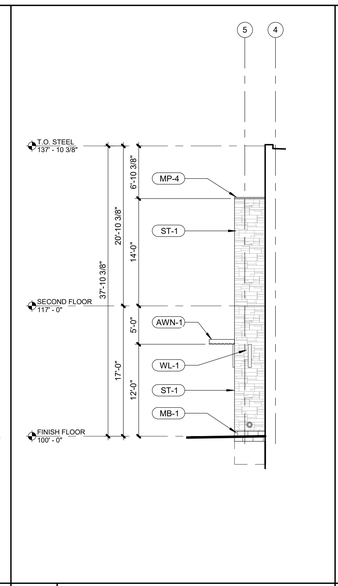
5 WEST PATIO ELEVATION
A4.05 SCALE : 1/8" = 1'-0"



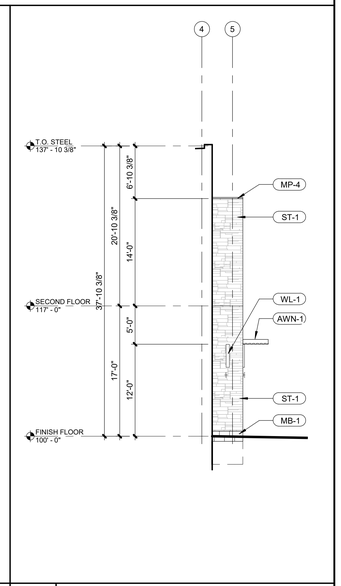
4 EAST PATIO ELEVATION
A4.05 SCALE : 1/8" = 1'-0"



3 SIDEWALL ELEVATION
A4.05 SCALE : 1/8" = 1'-0"



2 SIDEWALL ELEVATION
A4.05 SCALE : 1/8" = 1'-0"



1 SIDEWALL ELEVATION
A4.05 SCALE : 1/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
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REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
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PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

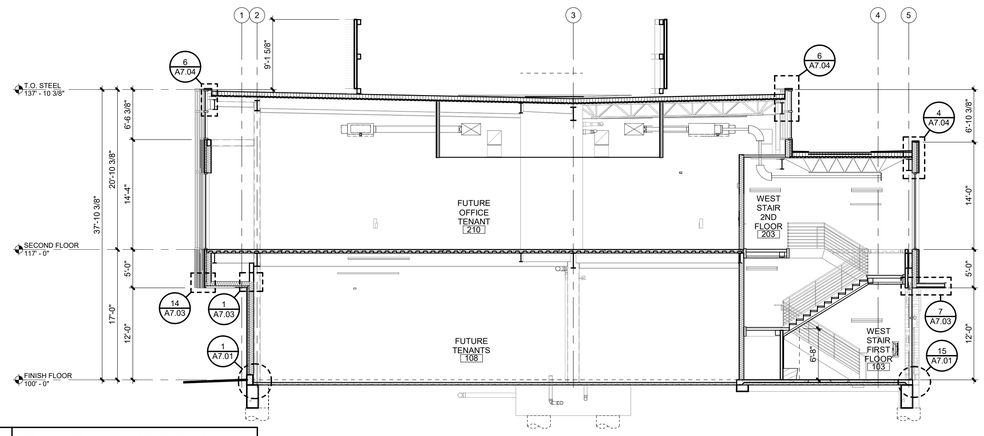
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

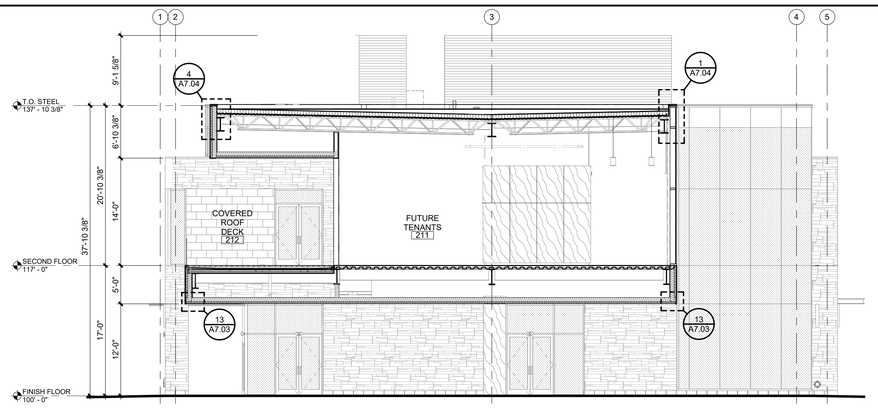
EXTERIOR ELEVATIONS - SIDEWALLS

SHEET NUMBER

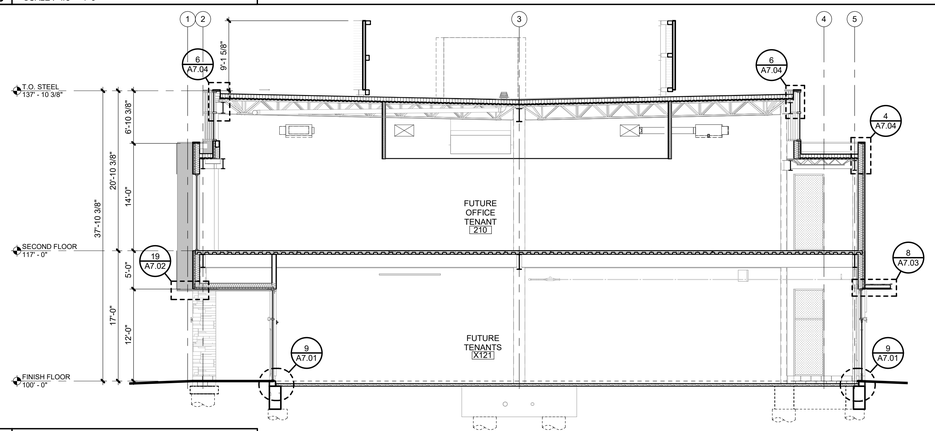
A4.05



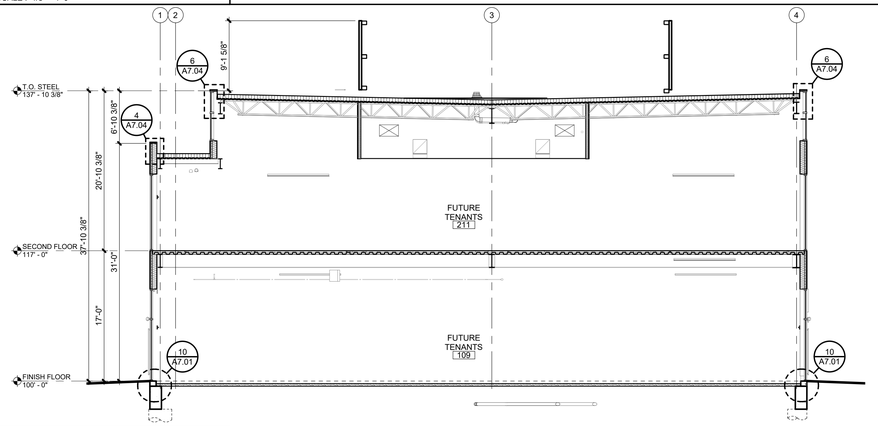
7 BUILDING SECTION
A5.00 SCALE : 1/8" = 1'-0"



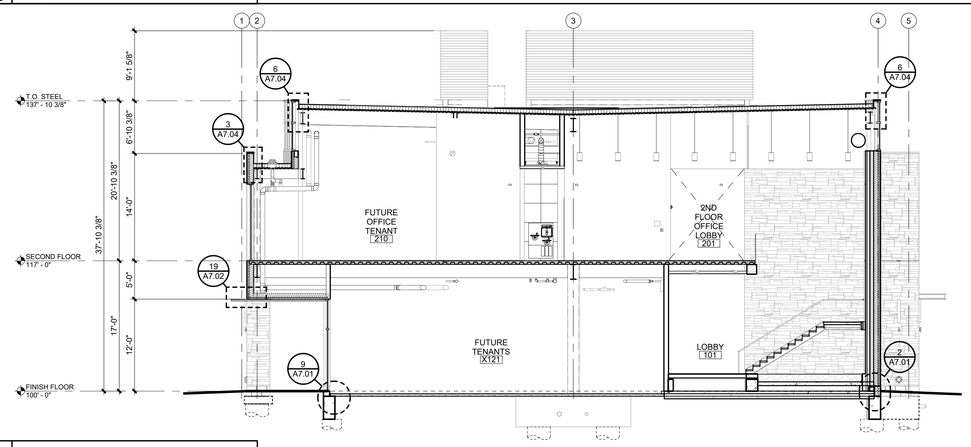
4 BUILDING SECTION
A5.00 SCALE : 1/8" = 1'-0"



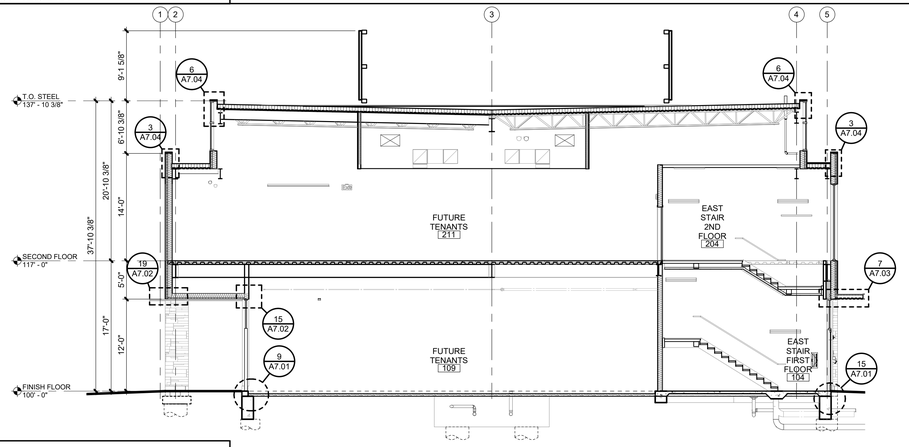
6 BUILDING SECTION
A5.00 SCALE : 1/8" = 1'-0"



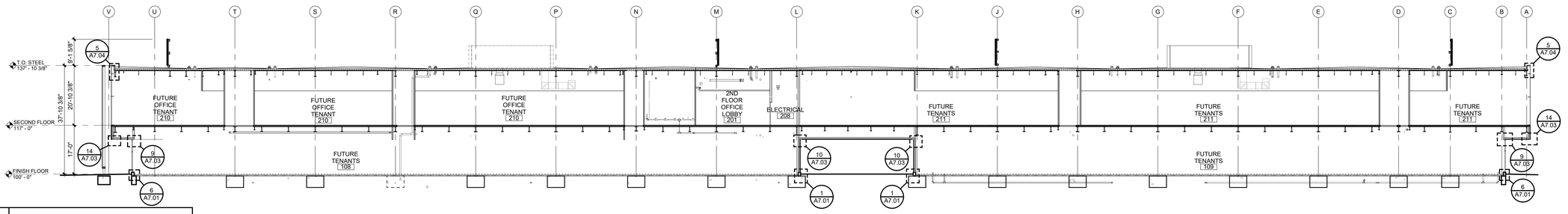
3 BUILDING SECTION
A5.00 SCALE : 1/8" = 1'-0"



5 BUILDING SECTION
A5.00 SCALE : 1/8" = 1'-0"



2 BUILDING SECTION
A5.00 SCALE : 1/8" = 1'-0"



1 BUILDING SECTION
A5.00 SCALE : 1/16" = 1'-0"

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06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
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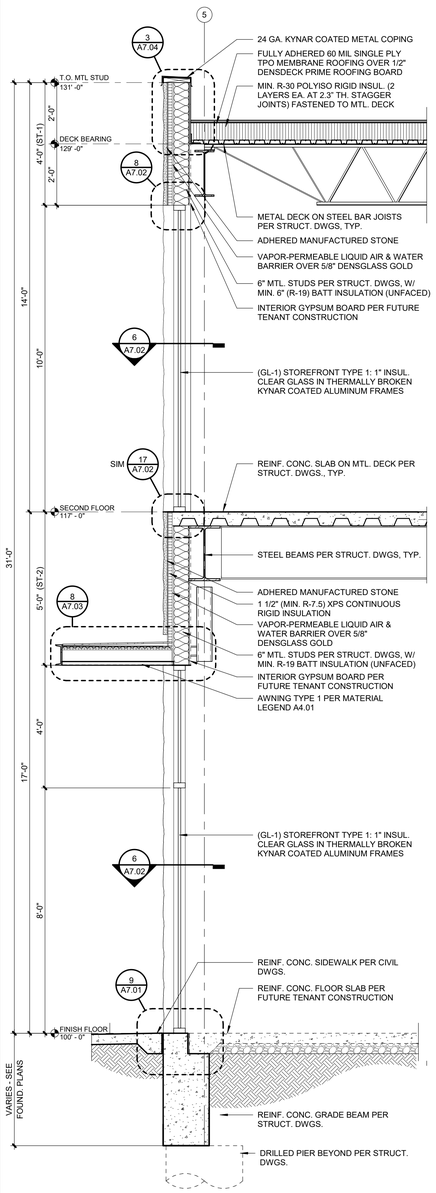
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

BUILDING SECTIONS

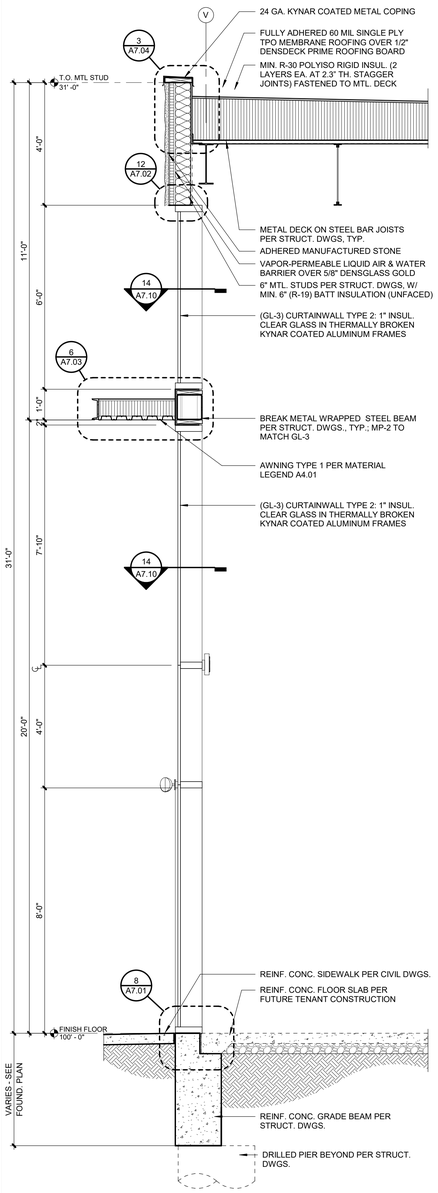
SHEET NUMBER

A5.00



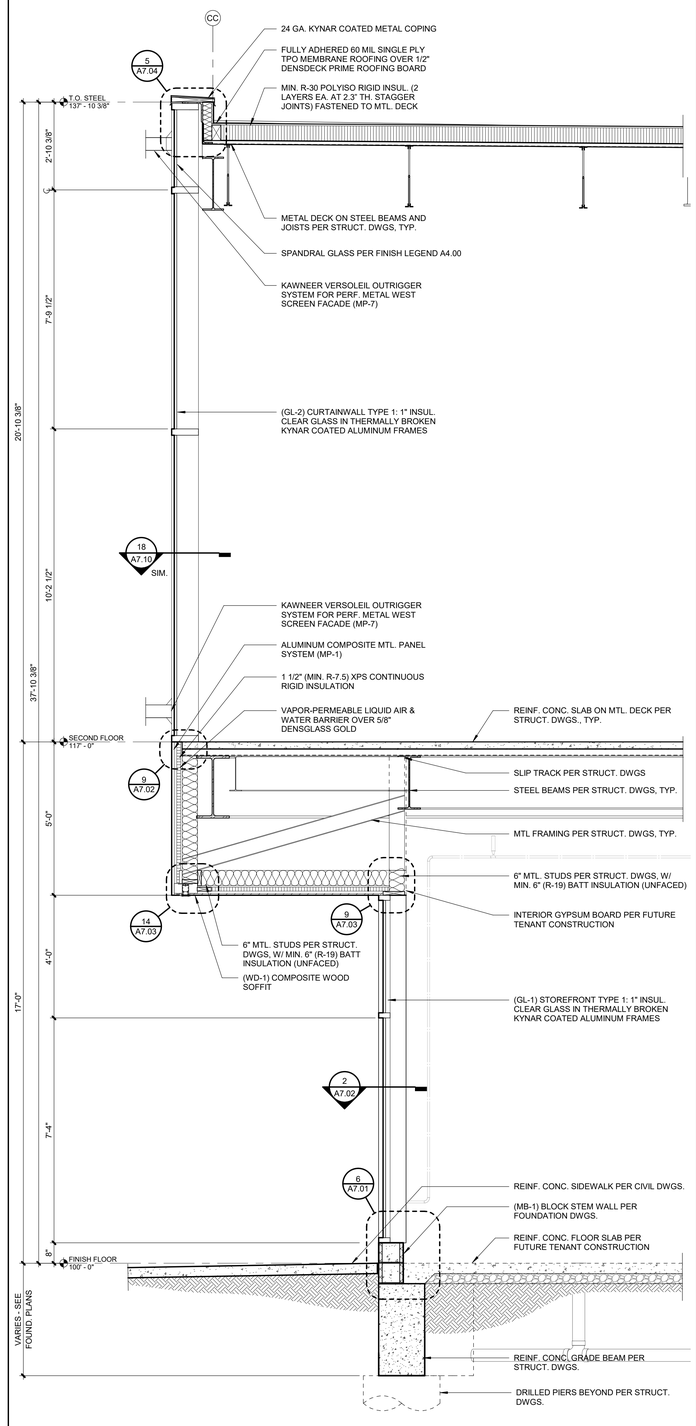
4 WALL SECTION

A5.01 SCALE: 1/2" = 1'-0"



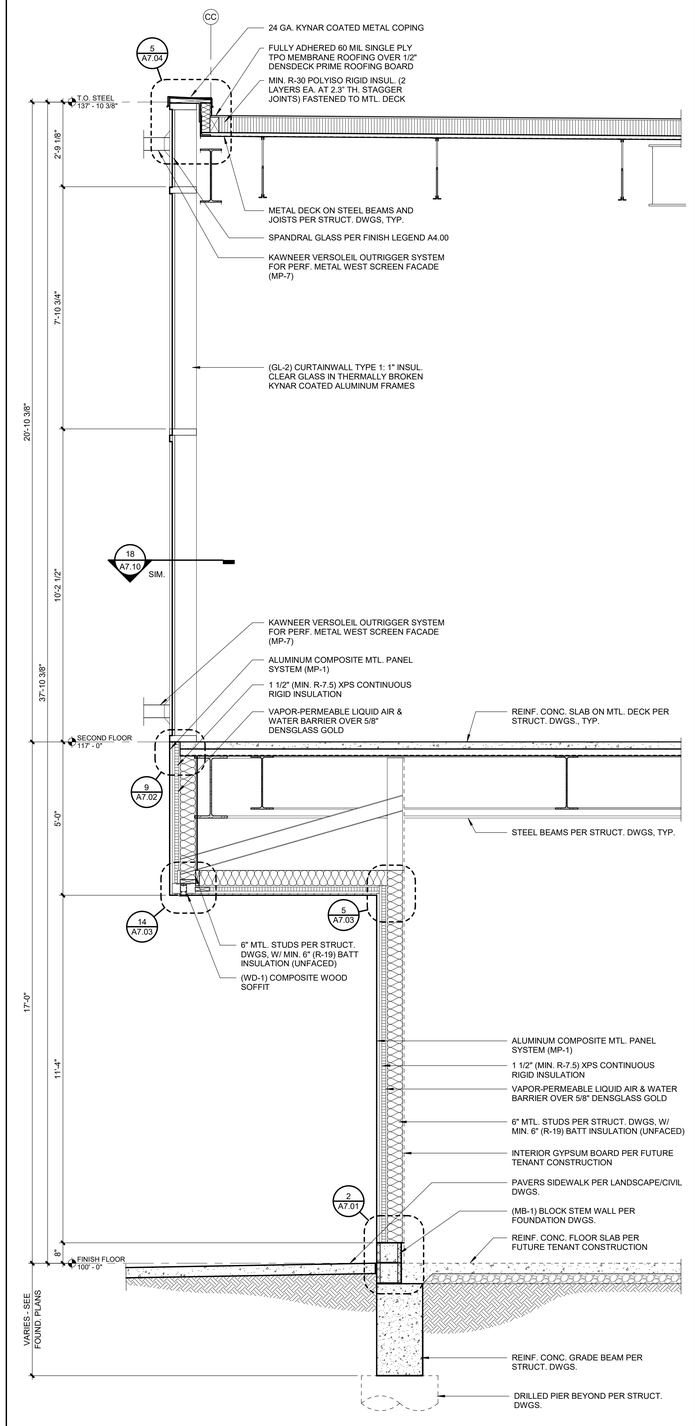
3 WALL SECTION

A5.01 SCALE: 1/2" = 1'-0"



2 WALL SECTION

A5.01 SCALE: 1/2" = 1'-0"



1 WALL SECTION

A5.01 SCALE: 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

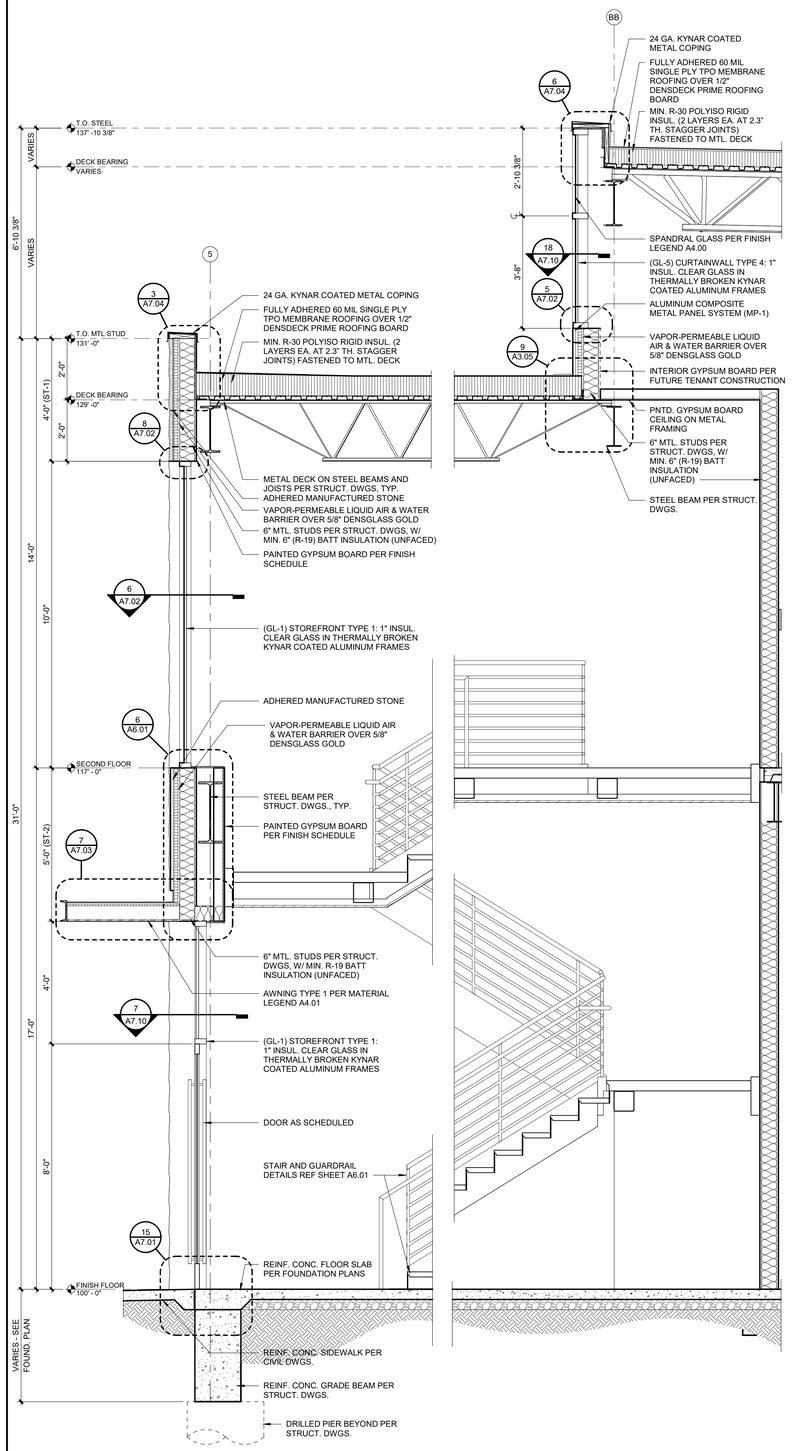
SHEET TITLE

WALL SECTIONS

SHEET NUMBER

A5.01

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021



3 WALL SECTION
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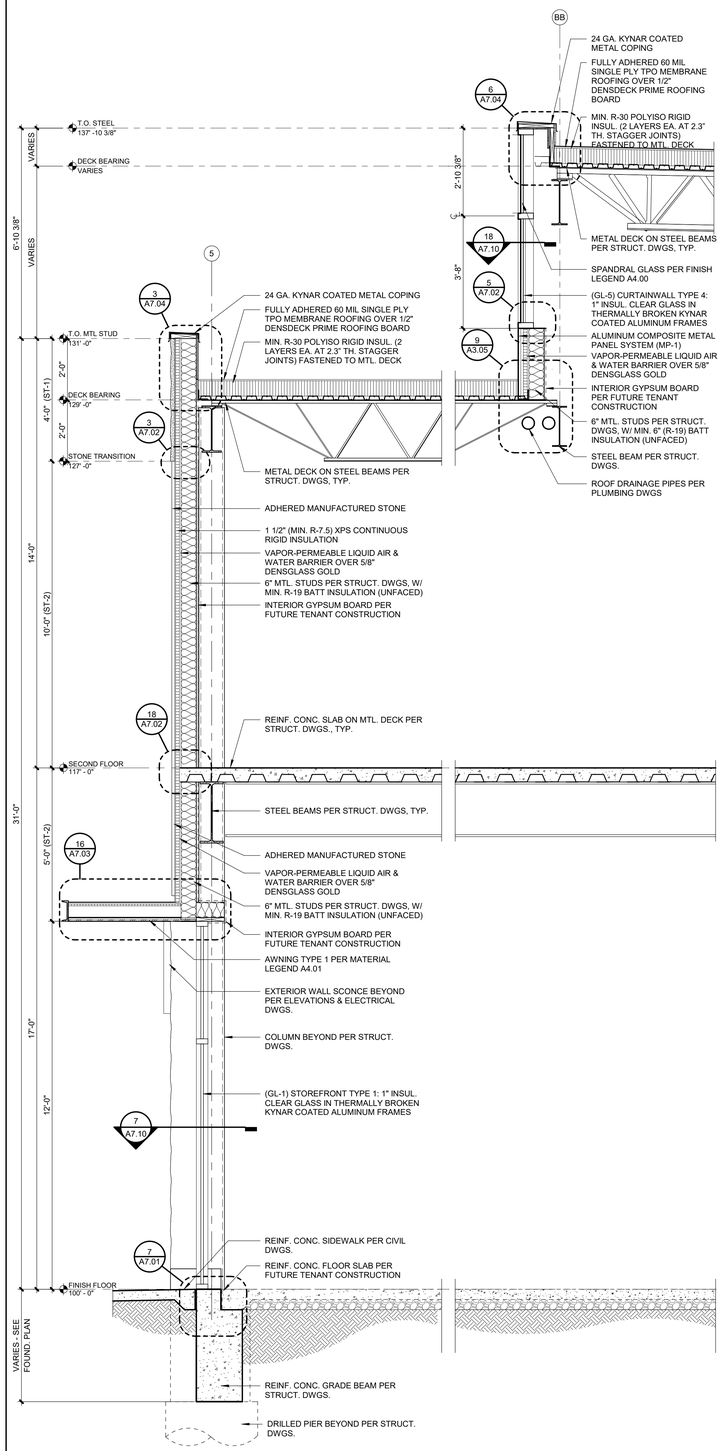
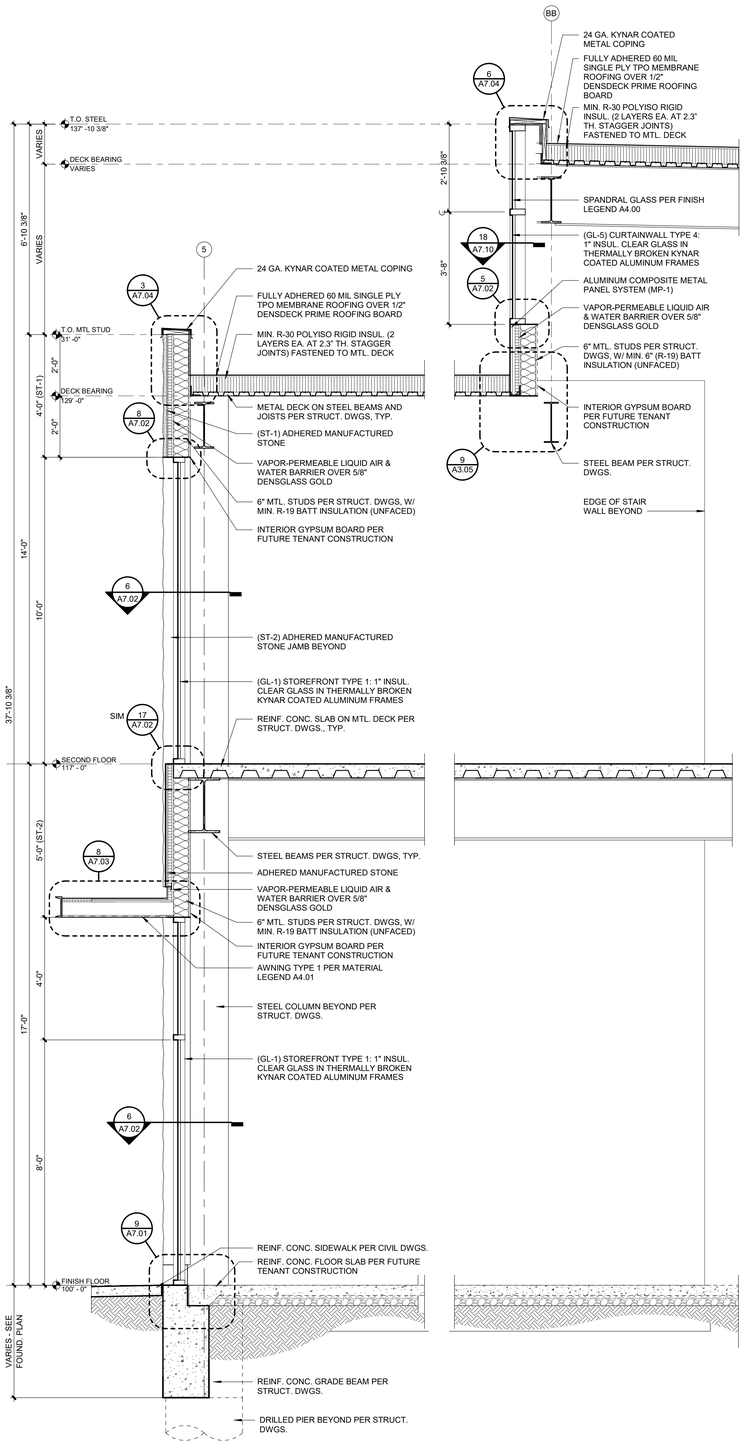


2 WALL SECTION
A5.02 SCALE : 1/2" = 1'-0"



1 WALL SECTION
A5.02 SCALE : 1/2" = 1'-0"

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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5545
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

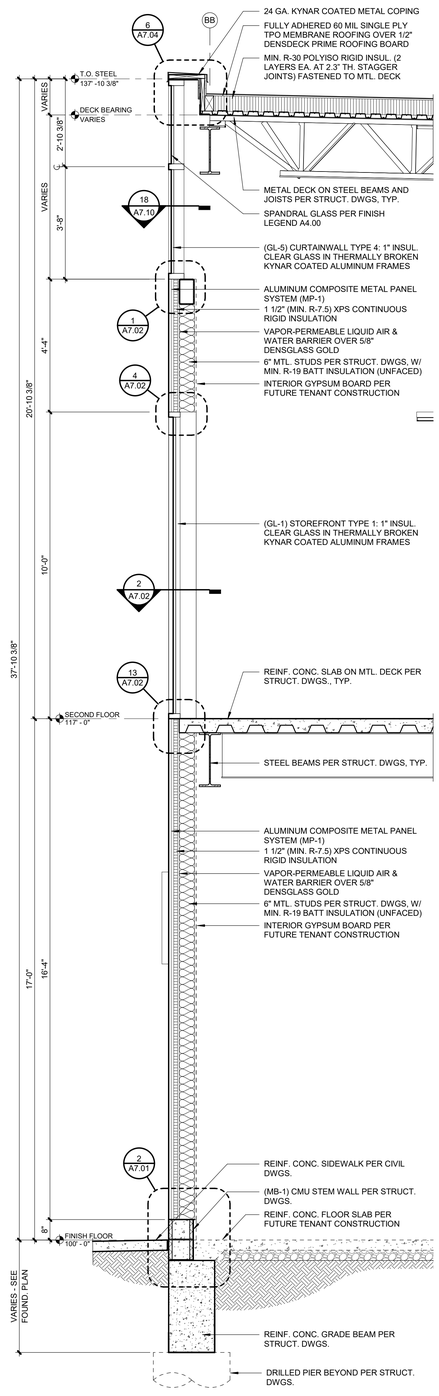
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL SECTIONS

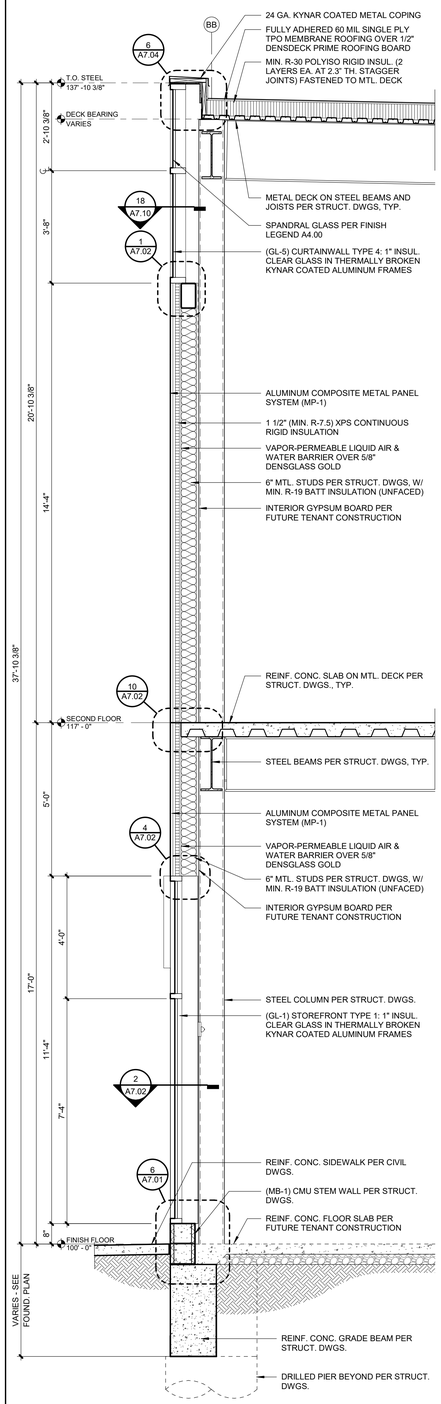
SHEET NUMBER

A5.02



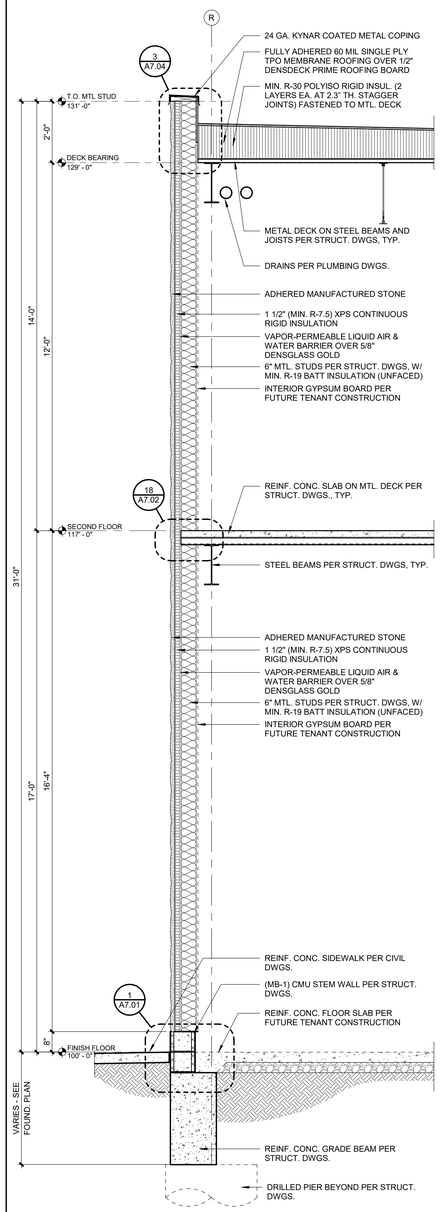
4 WALL SECTION

A5.03 SCALE : 1/2" = 1'-0"



3 WALL SECTION

A5.03 SCALE : 1/2" = 1'-0"



2 WALL SECTION

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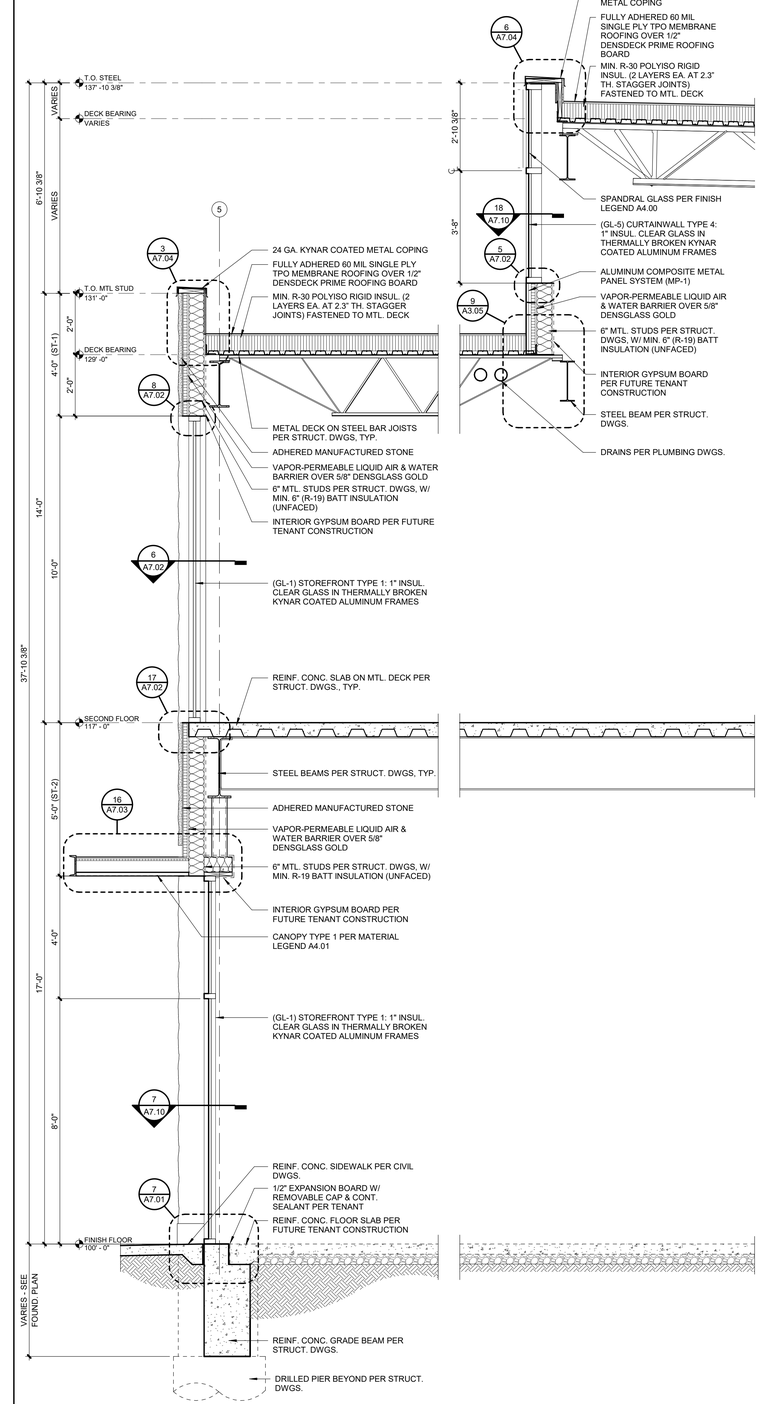

1 WALL SECTION

A5.03 SCALE : 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

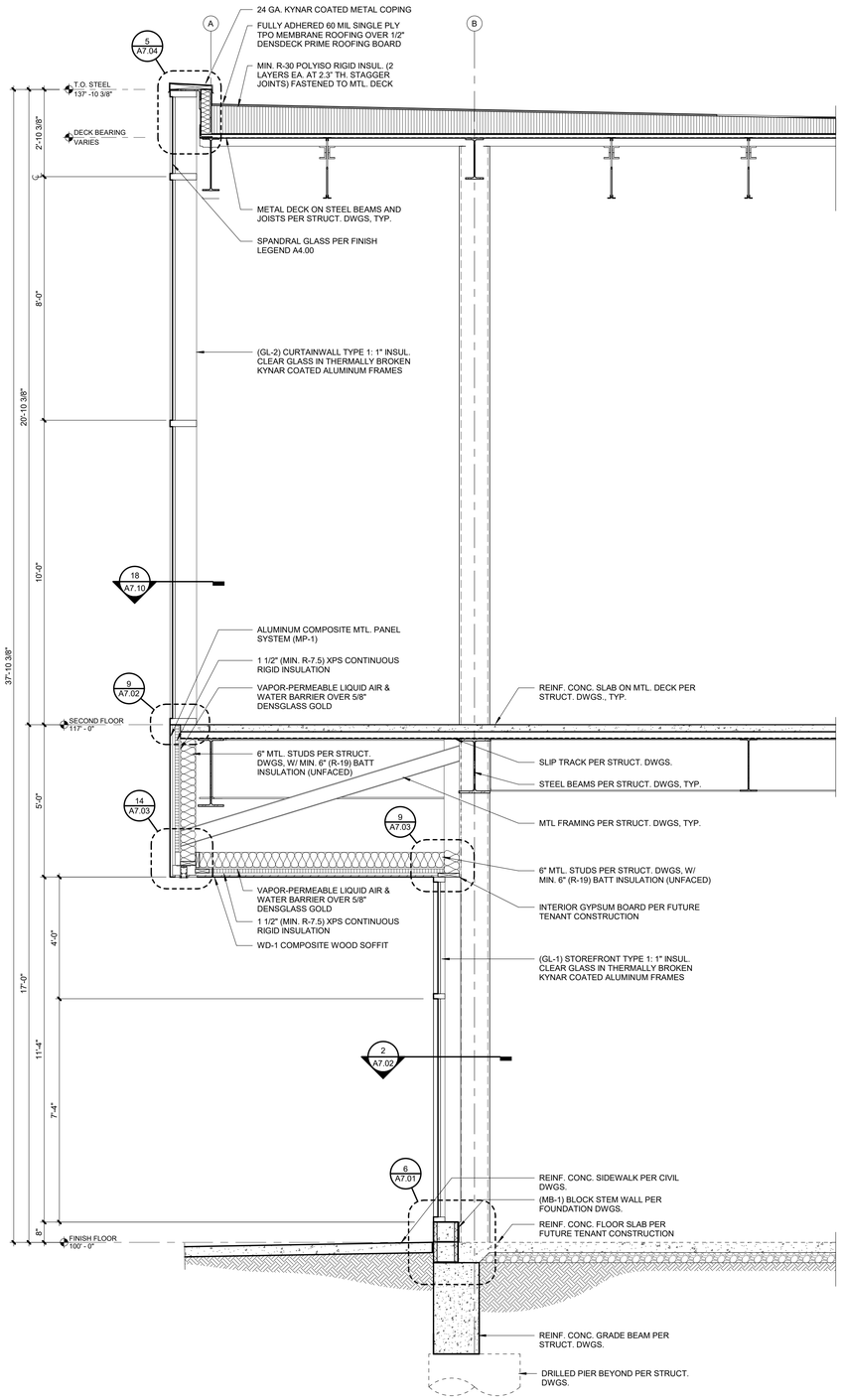
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL SECTIONS

SHEET NUMBER

A5.03



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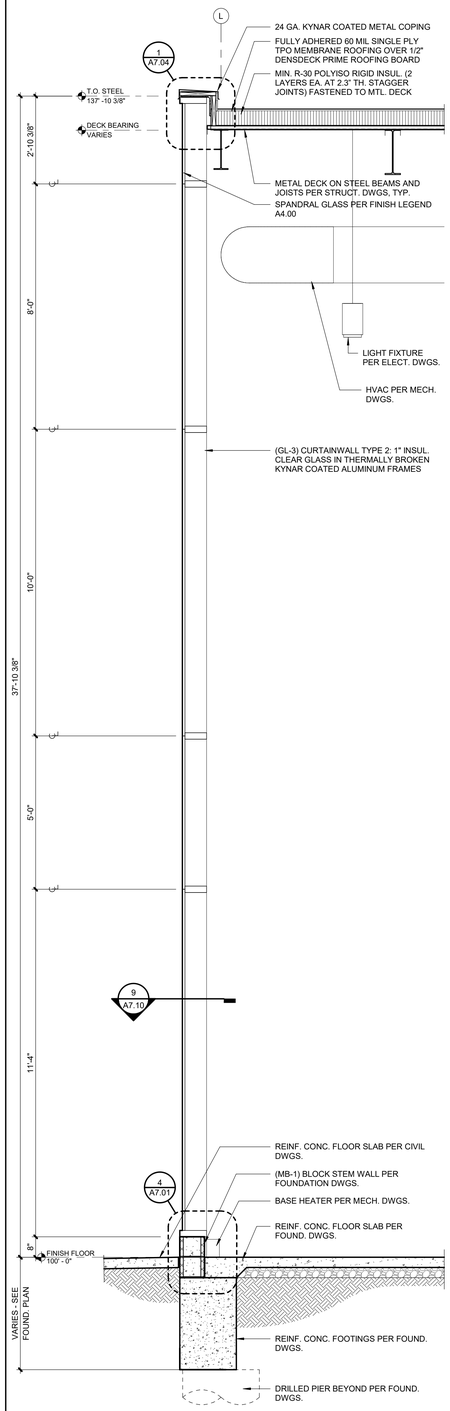

3 WALL SECTION
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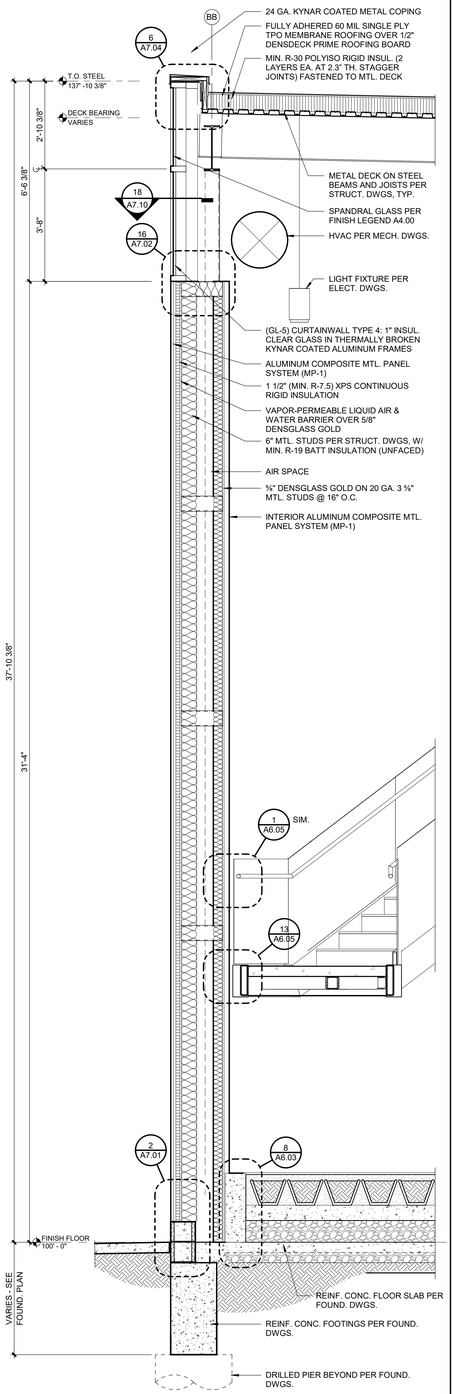

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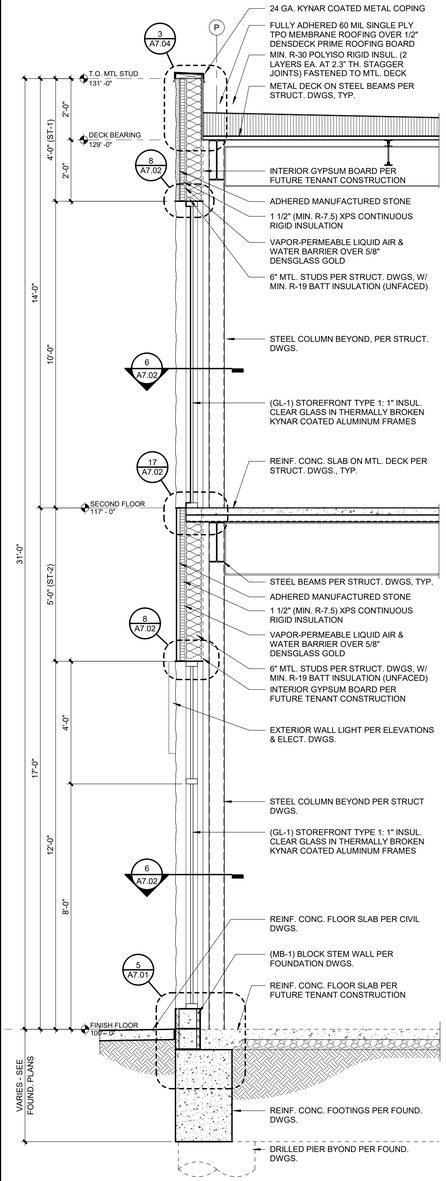

1 WALL SECTION
A5.04 SCALE : 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

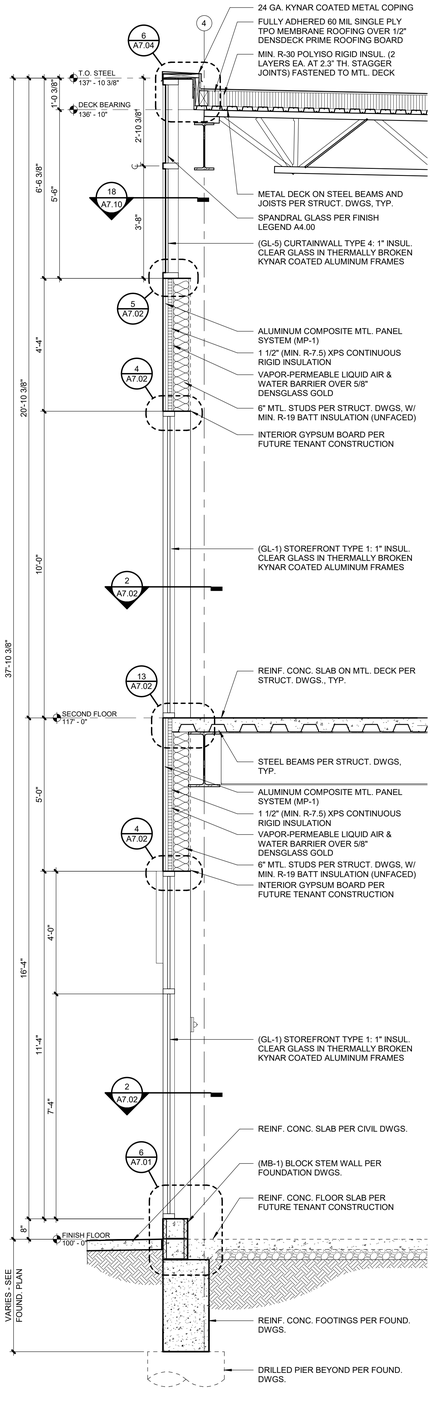
SHEET TITLE

WALL SECTIONS

SHEET NUMBER

A5.04

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021



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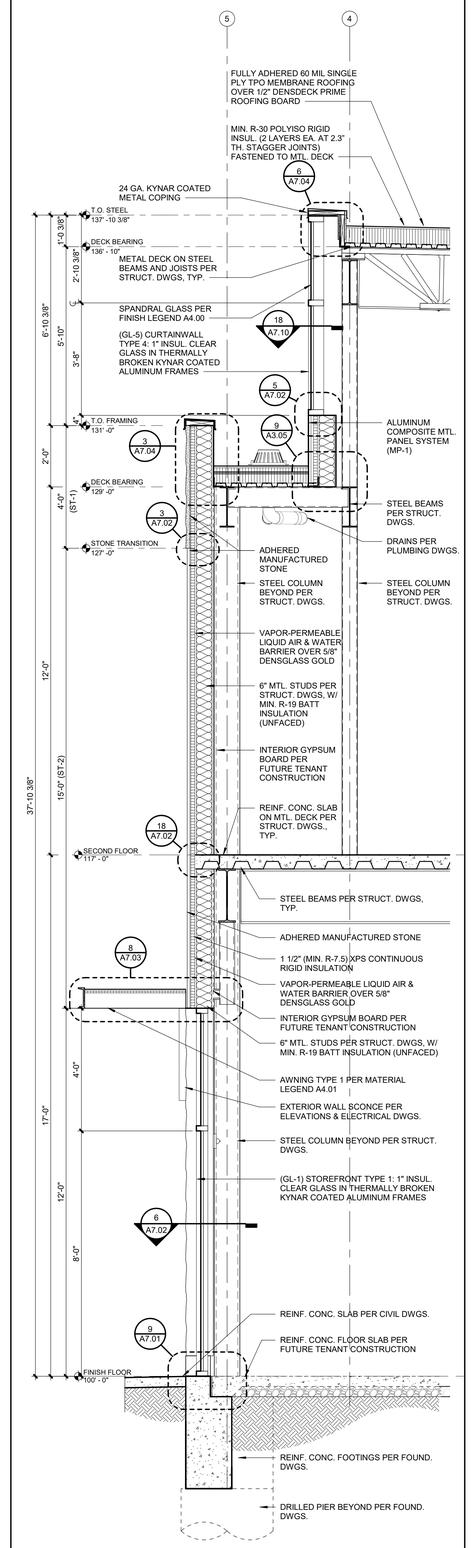
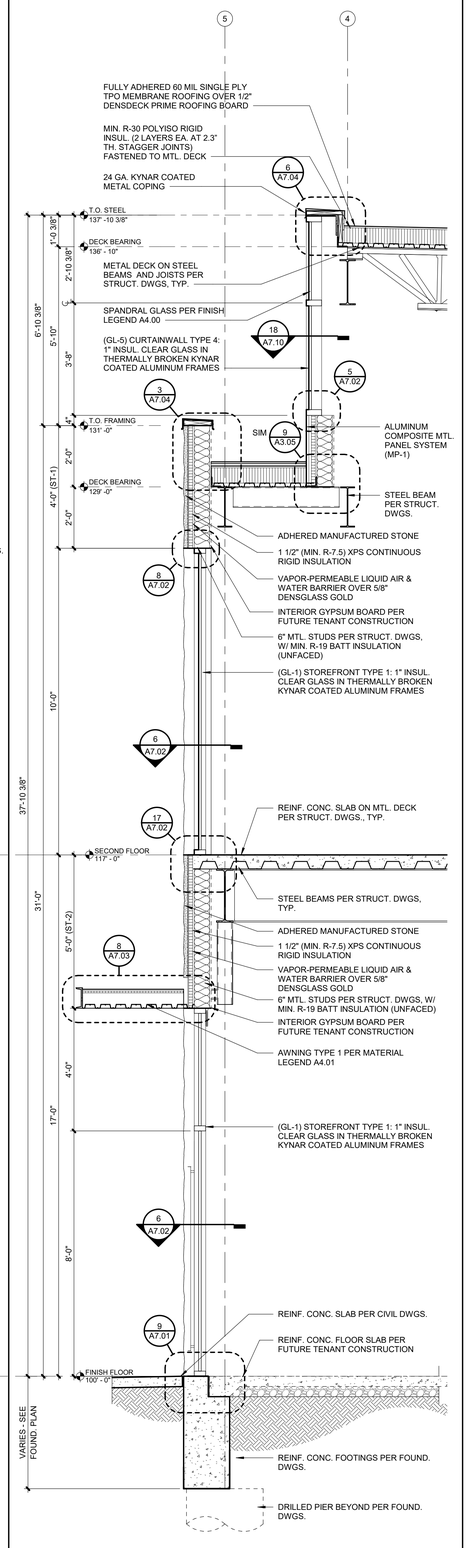
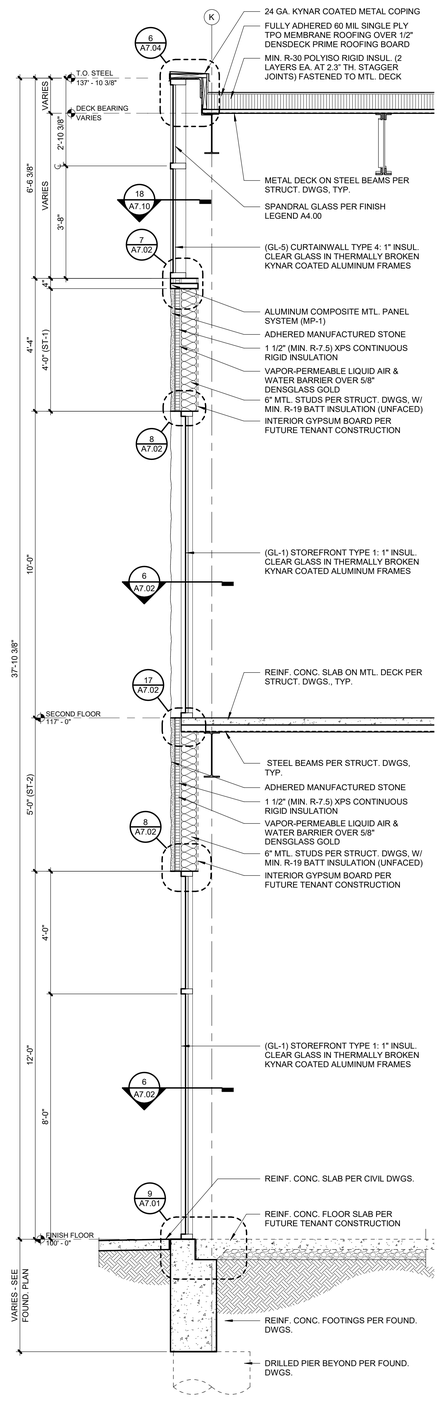


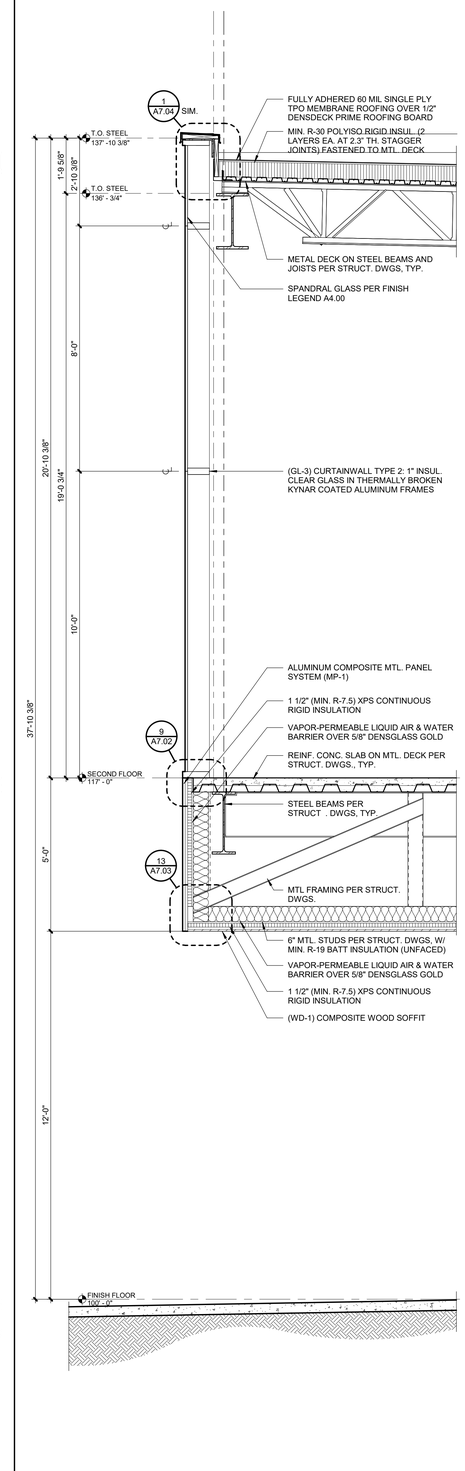
4 | WALL SECTION
A5.05 | SCALE : 1/2" = 1'-0"



3 | WALL SECTION
A5.05 | SCALE : 1/2" = 1'-0"



2 | WALL SECTION
A5.05 | SCALE : 1/2" = 1'-0"



1 | WALL SECTION
A5.05 | SCALE : 1/2" = 1'-0"

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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5545
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

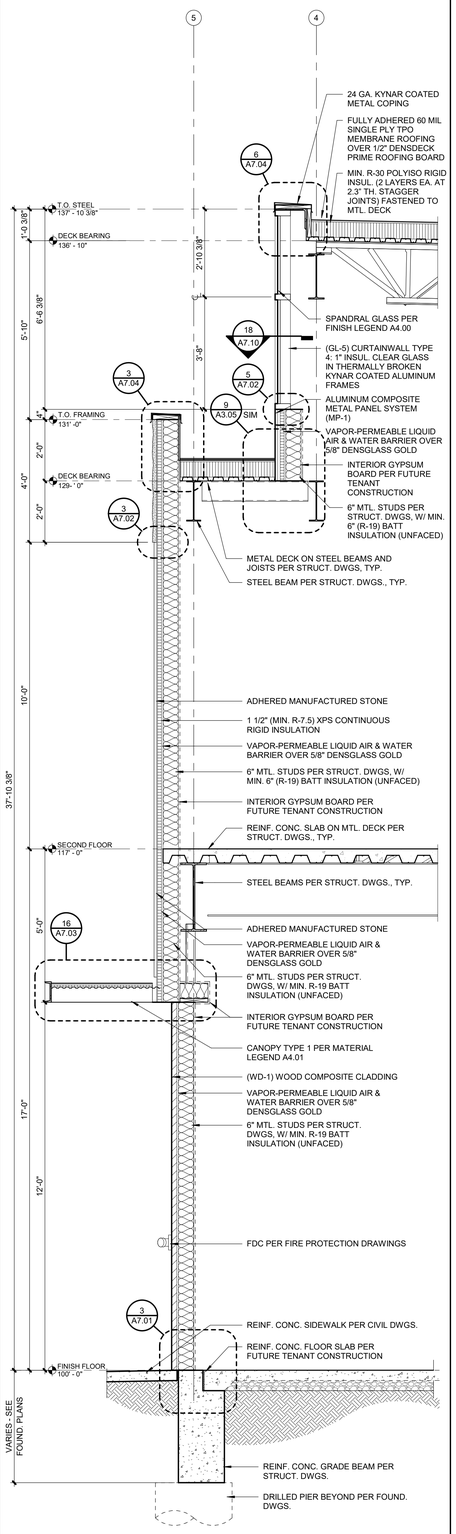
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

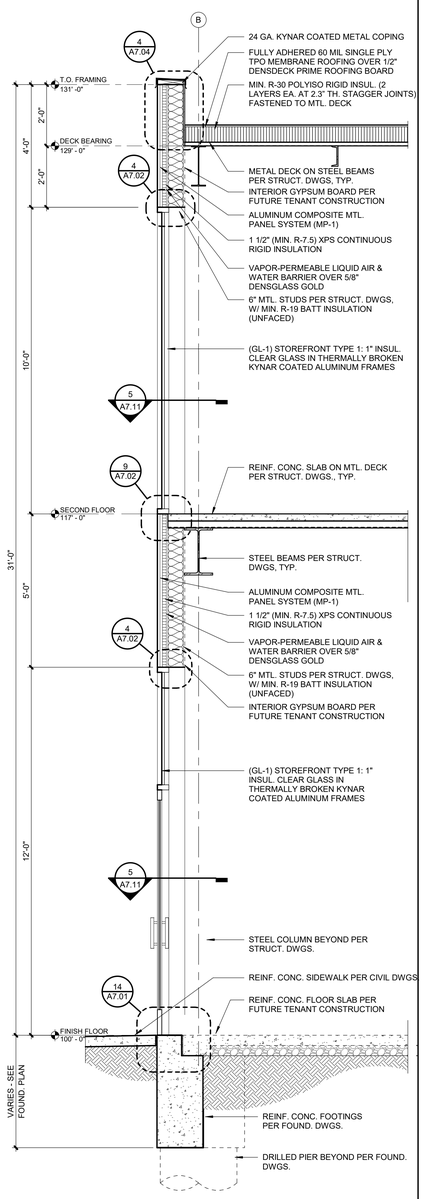
SHEET TITLE

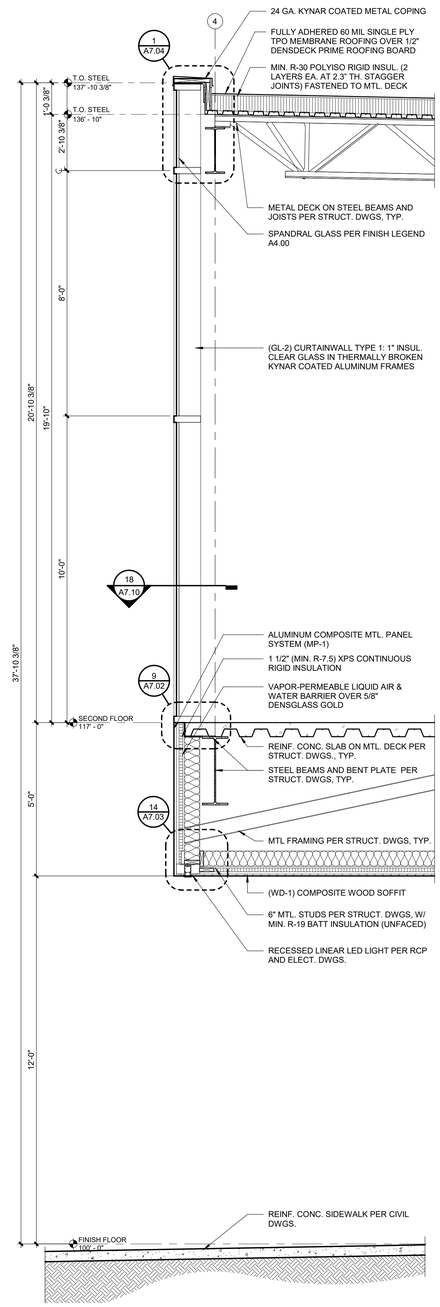
WALL SECTIONS

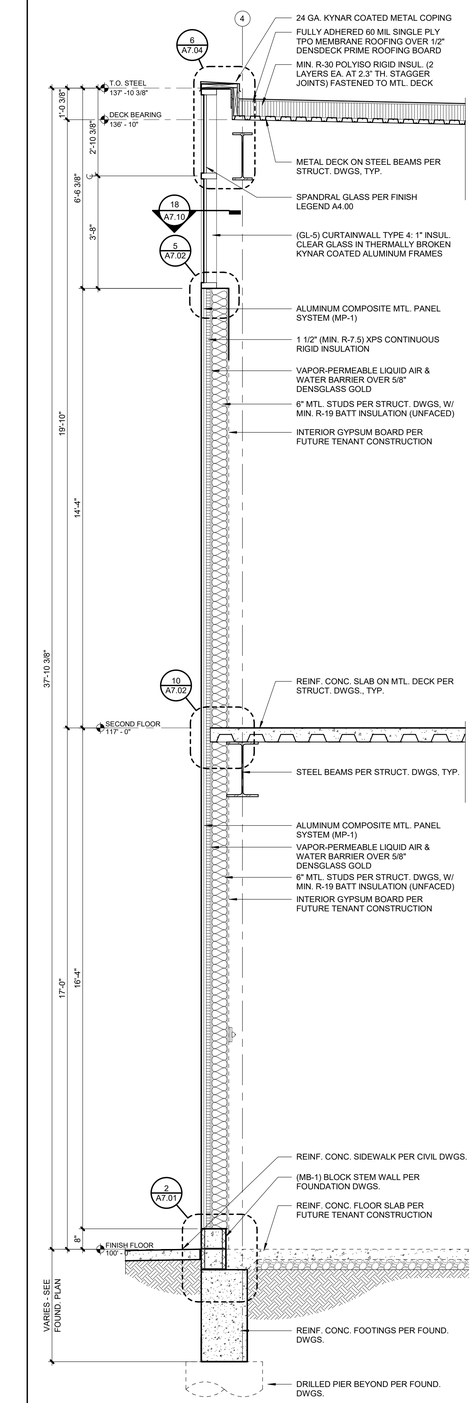
SHEET NUMBER

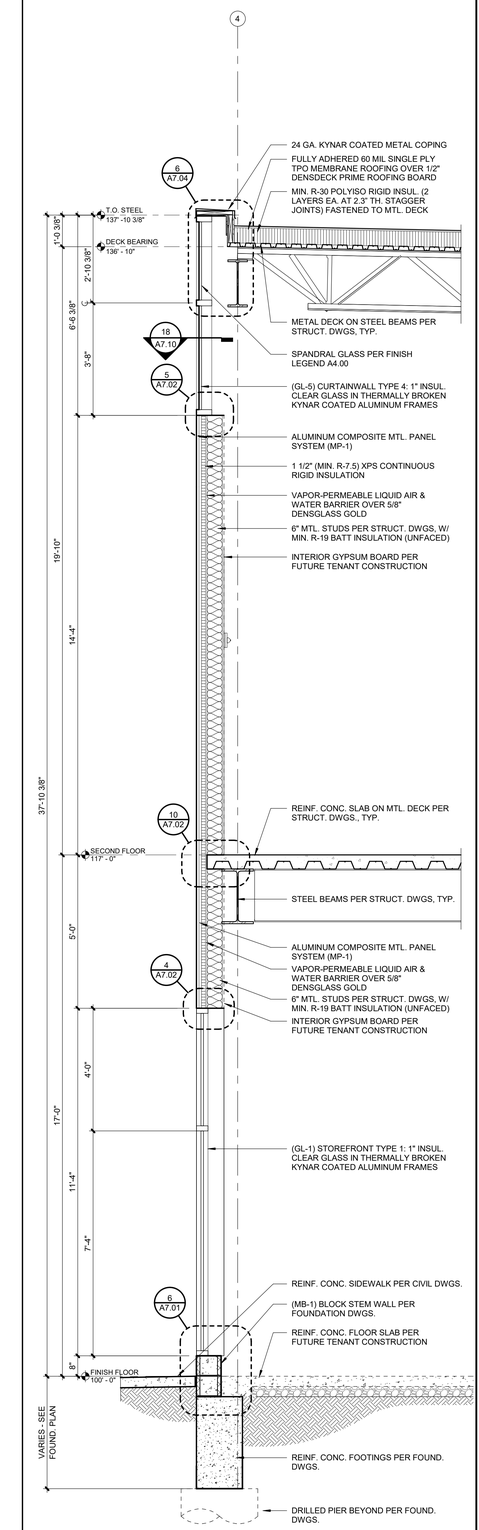
A5.05











5	WALL SECTION	4	WALL SECTION
A5.06	SCALE : 1/2" = 1'-0"	A5.06	SCALE : 1/2" = 1'-0"

3	WALL SECTION	2	WALL SECTION
A5.06	SCALE : 1/2" = 1'-0"	A5.06	SCALE : 1/2" = 1'-0"

1	WALL SECTION
A5.06	SCALE : 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

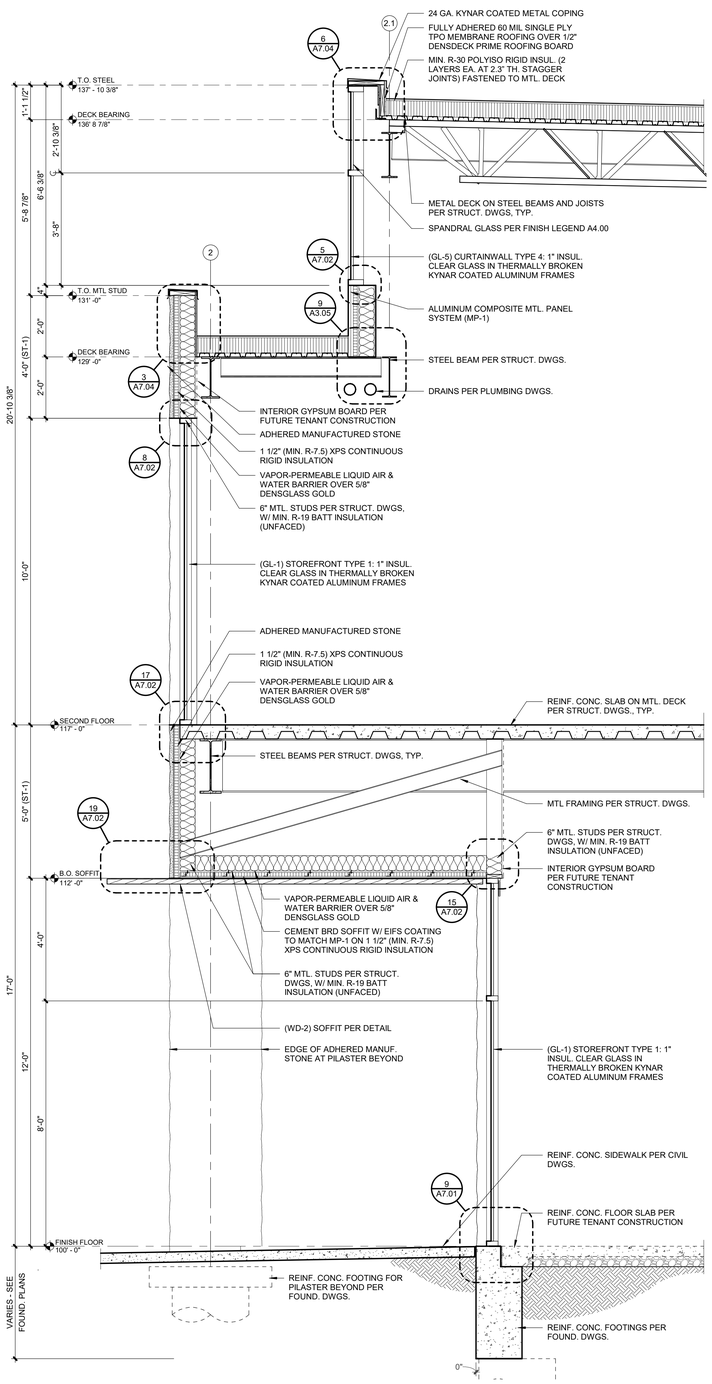
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL SECTIONS

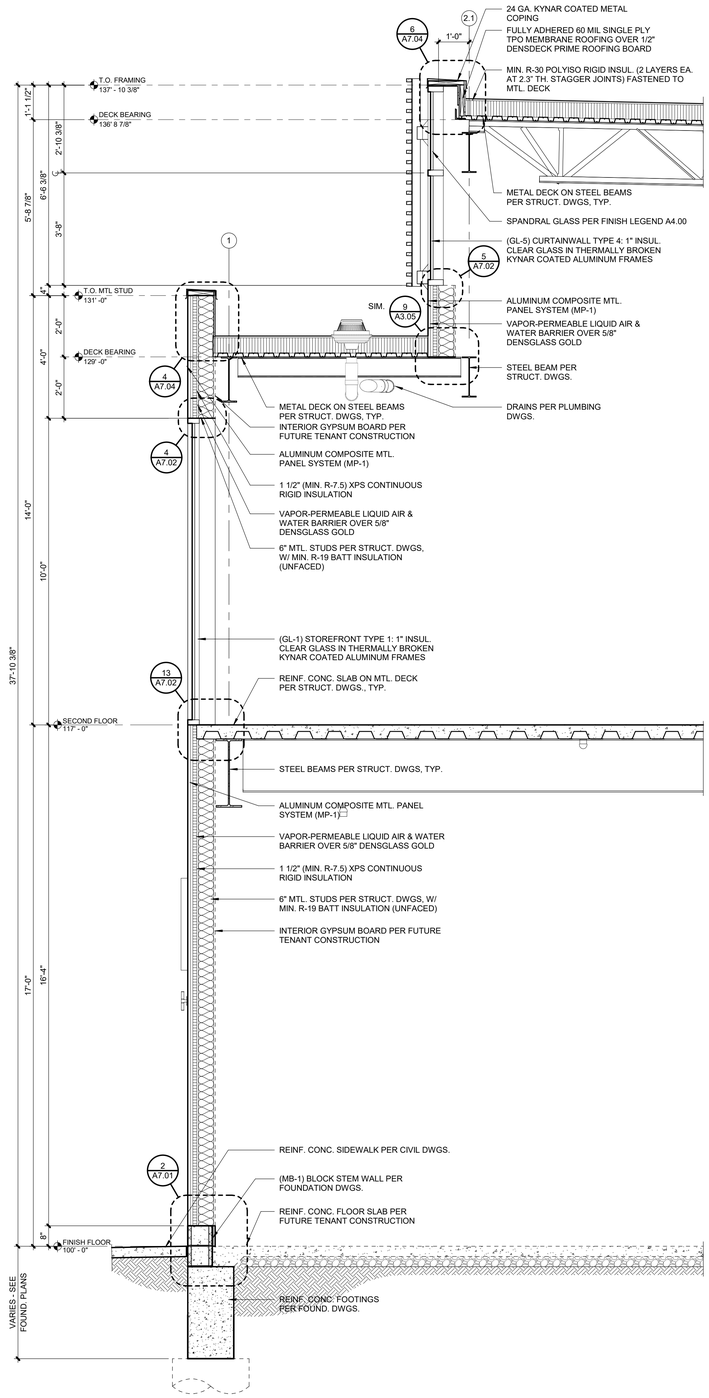
SHEET NUMBER

A5.06



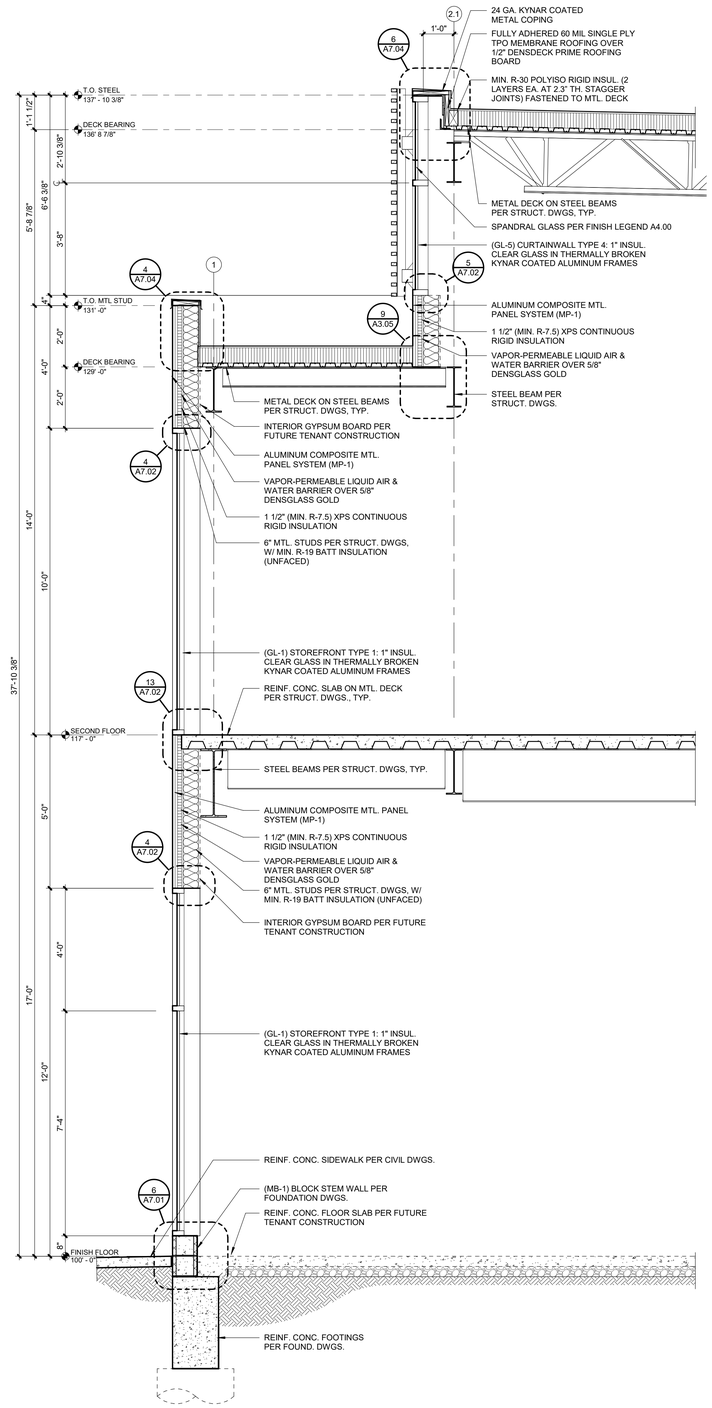
3 WALL SECTION

A5.07 SCALE : 1/2" = 1'-0"



2 WALL SECTION

A5.07 SCALE : 1/2" = 1'-0"



1 WALL SECTION

A5.07 SCALE : 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5545
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

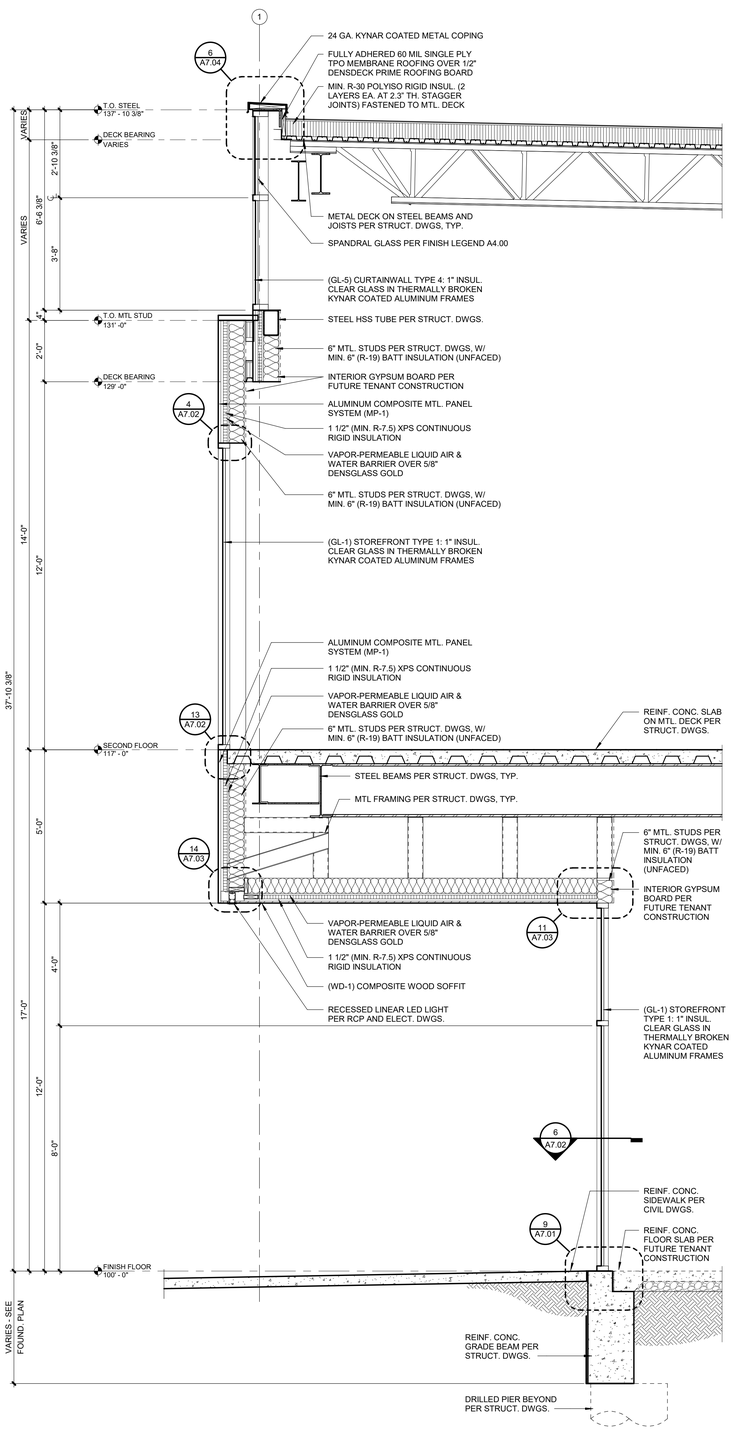
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL SECTIONS

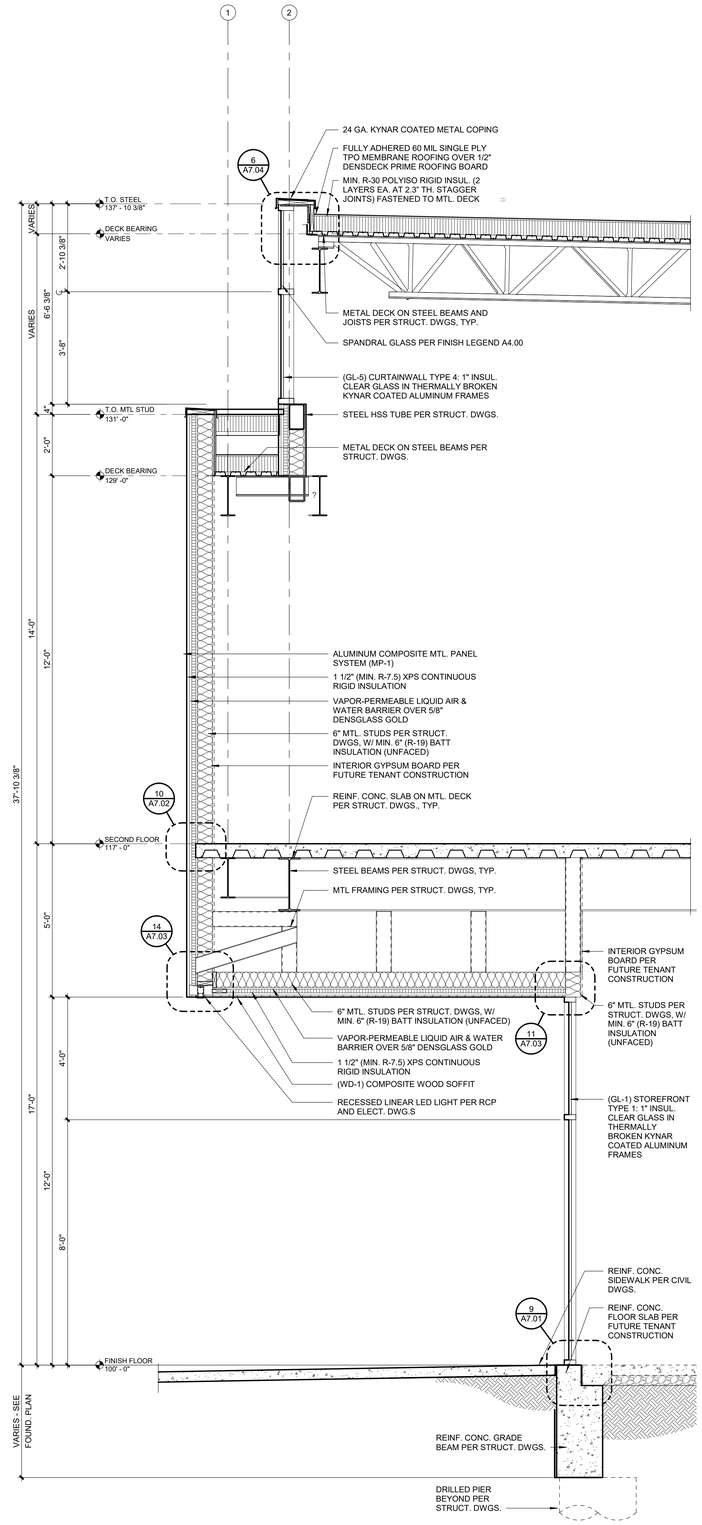
SHEET NUMBER

A5.07



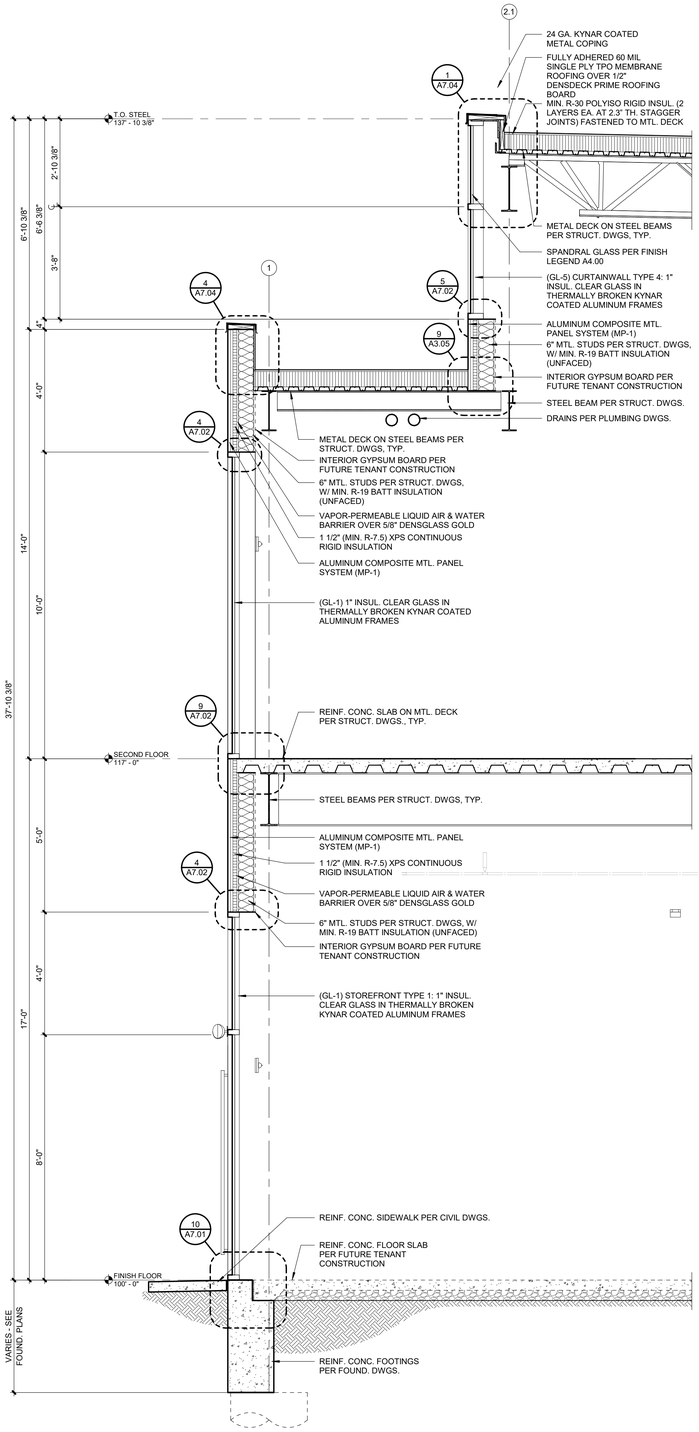
3 WALL SECTION

A5.08 SCALE : 1/2" = 1'-0"



2 WALL SECTION

A5.08 SCALE : 1/2" = 1'-0"



1 WALL SECTION

A5.08 SCALE : 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

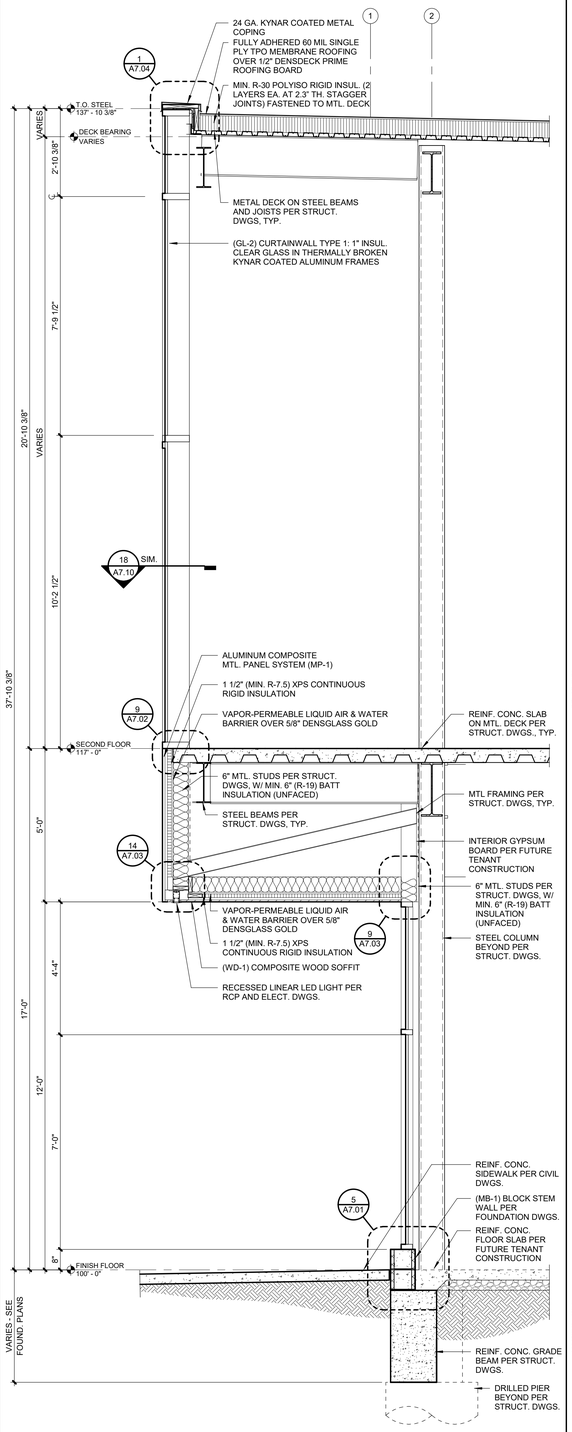
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL SECTIONS

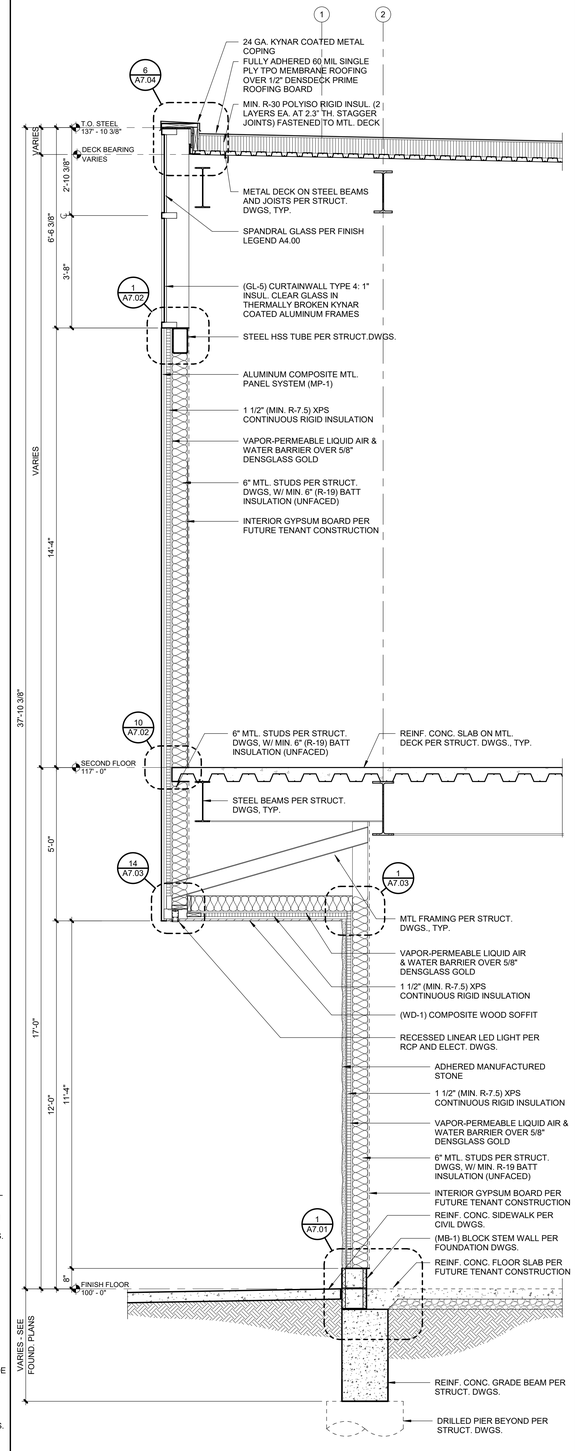
SHEET NUMBER

A5.08



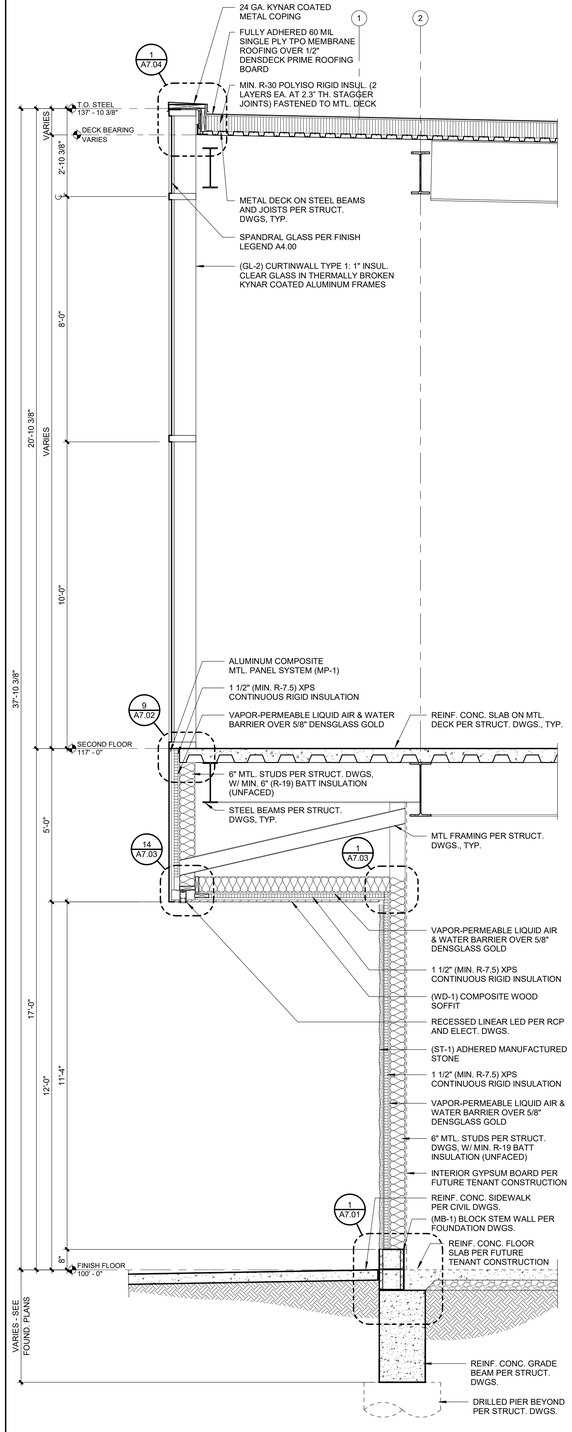
4 WALL SECTION

A5.09 SCALE : 1/2" = 1'-0"



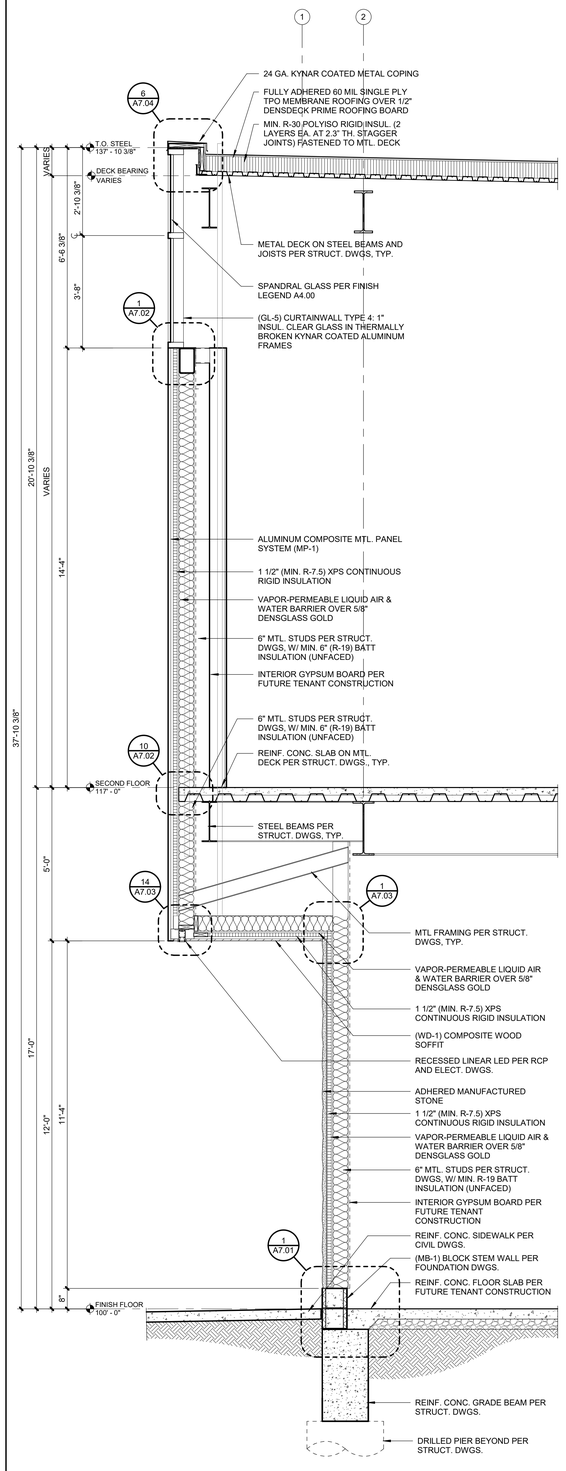
3 WALL SECTION

A5.09 SCALE : 1/2" = 1'-0"



2 WALL SECTION

A5.09 SCALE : 1/2" = 1'-0"



1 WALL SECTION

A5.09 SCALE : 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

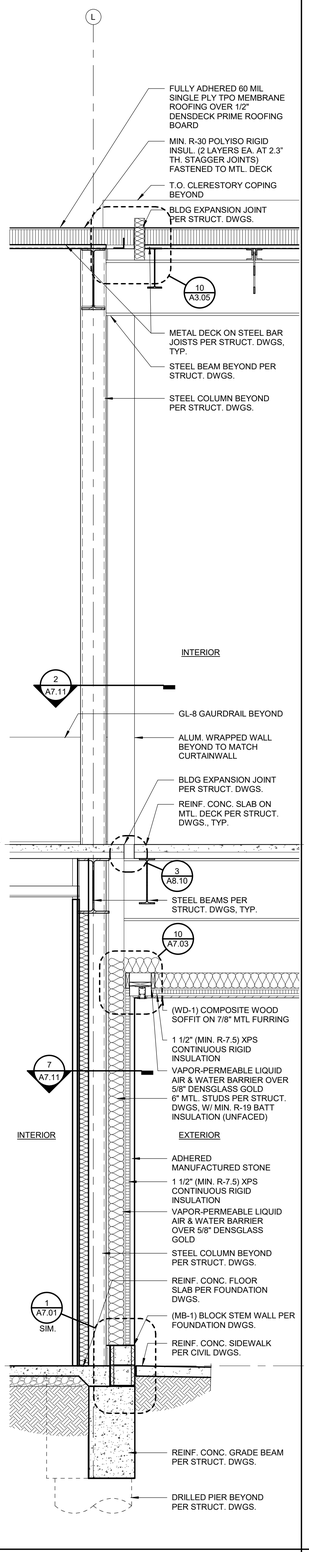
SHEET TITLE

WALL SECTIONS

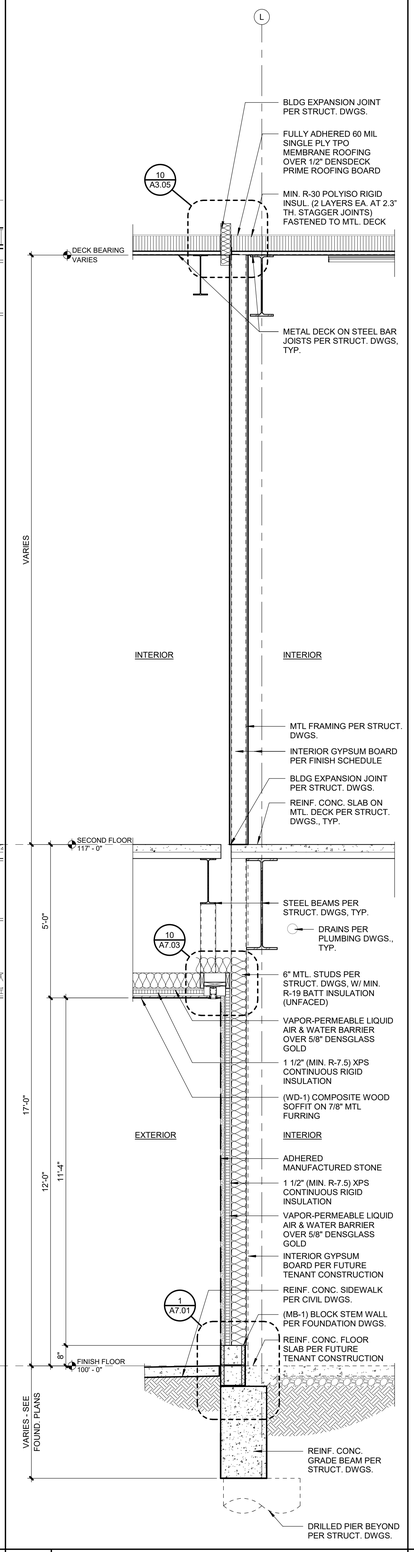
SHEET NUMBER

A5.09

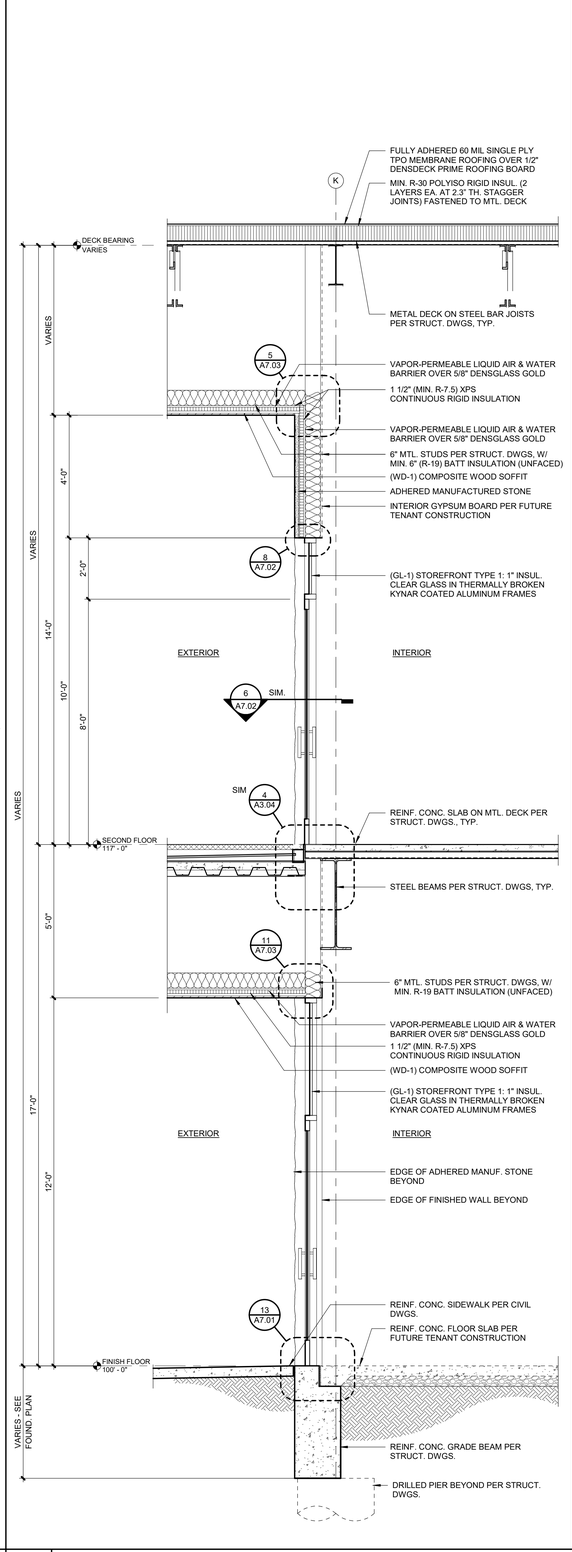
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021



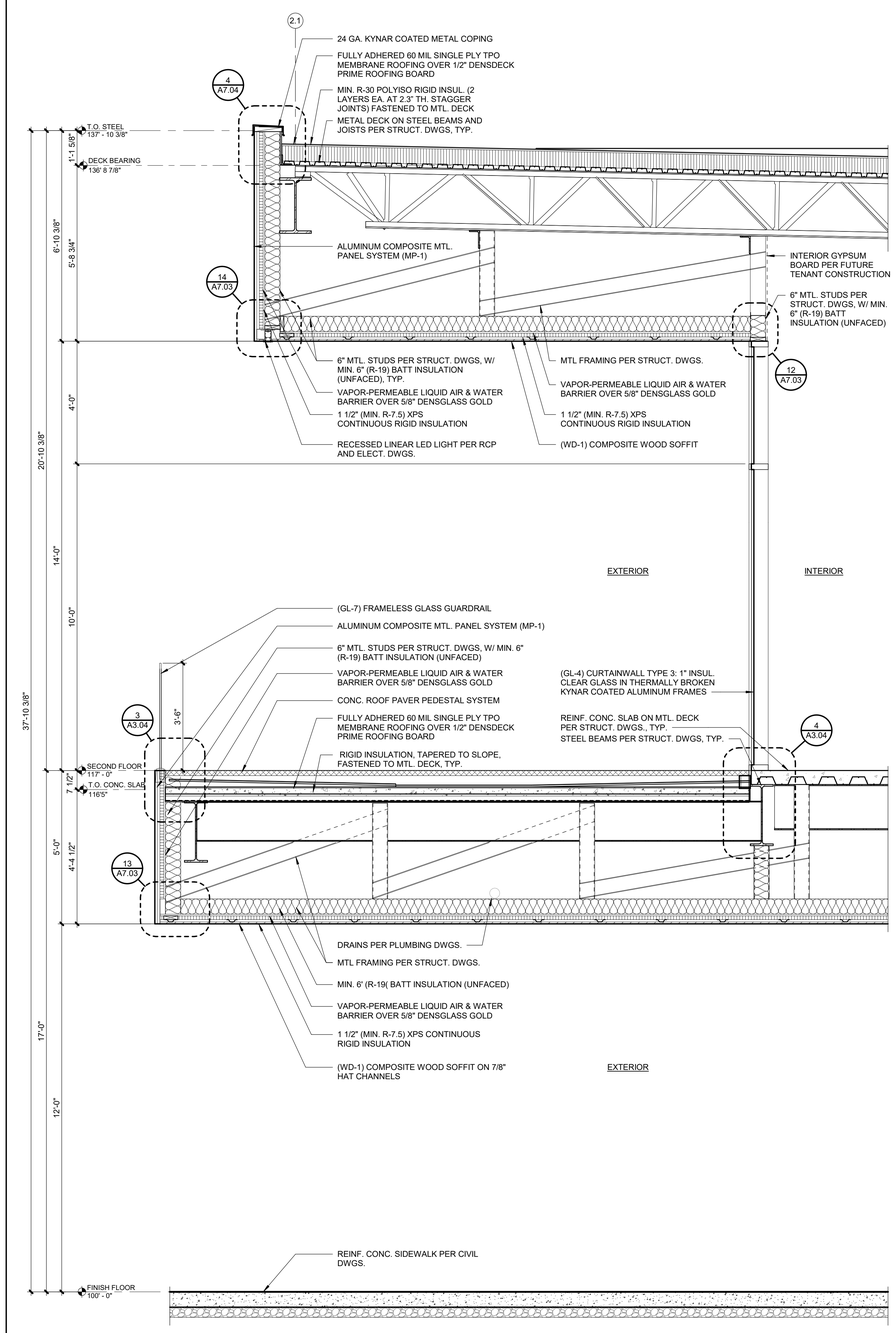
4 WALL SECTION
A5.10 SCALE : 1/2" = 1'-0"



3 WALL SECTION
A5.10 SCALE : 1/2" = 1'-0"



2 WALL SECTION
A5.10 SCALE : 1/2" = 1'-0"



1 WALL SECTION
A5.10 SCALE : 1/2" = 1'-0"

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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5545
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

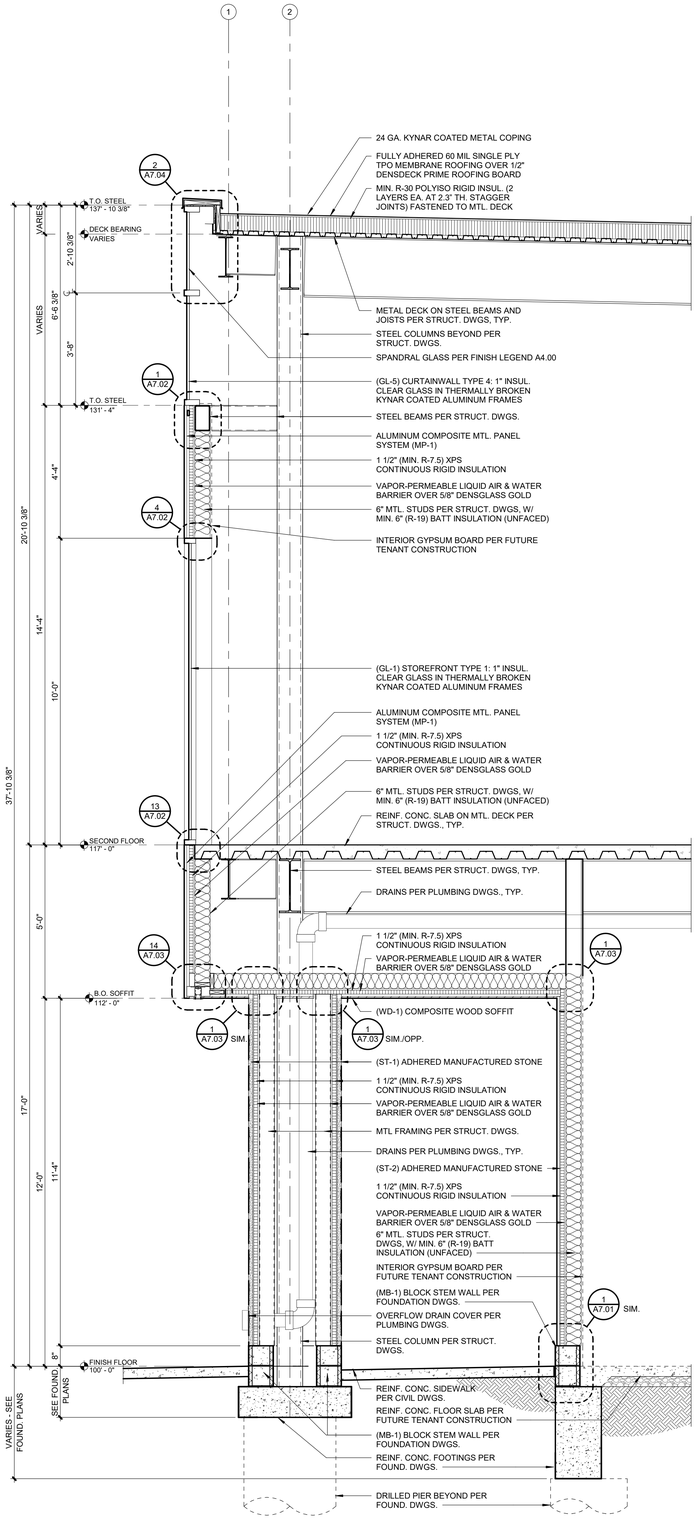
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL SECTIONS

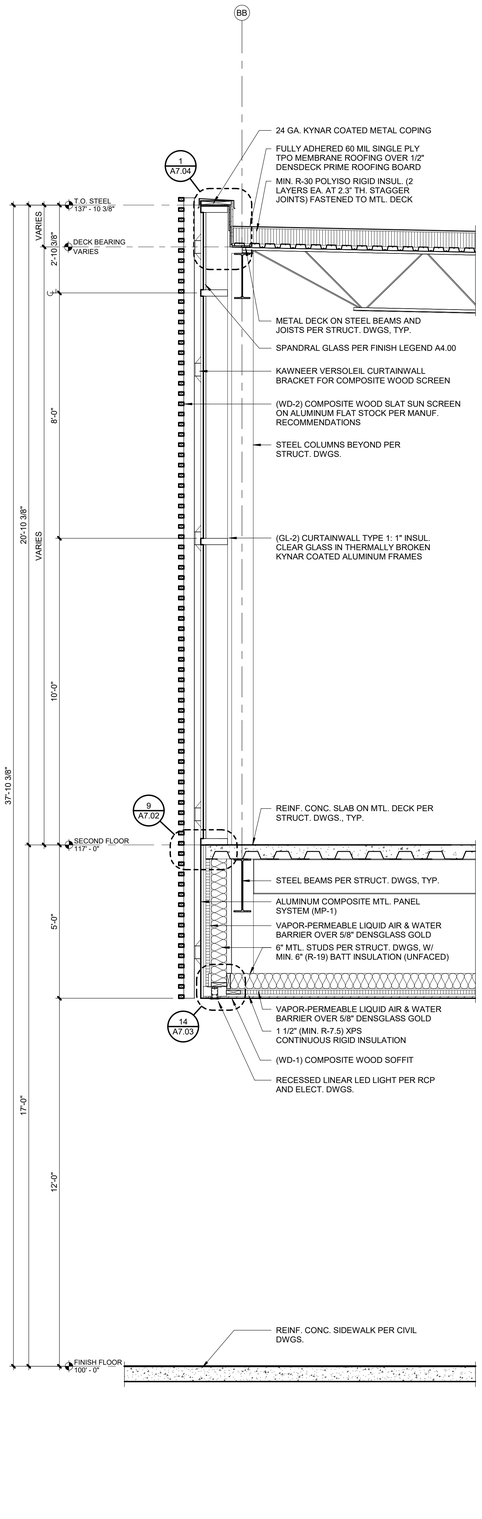
SHEET NUMBER

A5.10



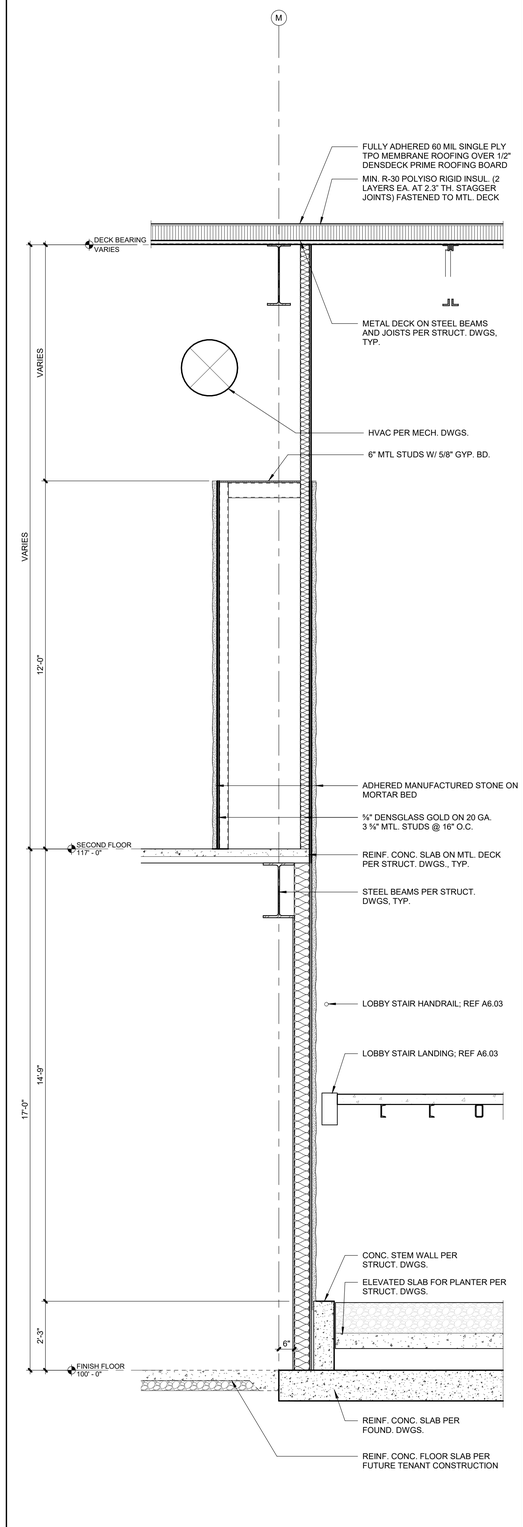
4 WALL SECTION

A5.11 SCALE : 1/2" = 1'-0"



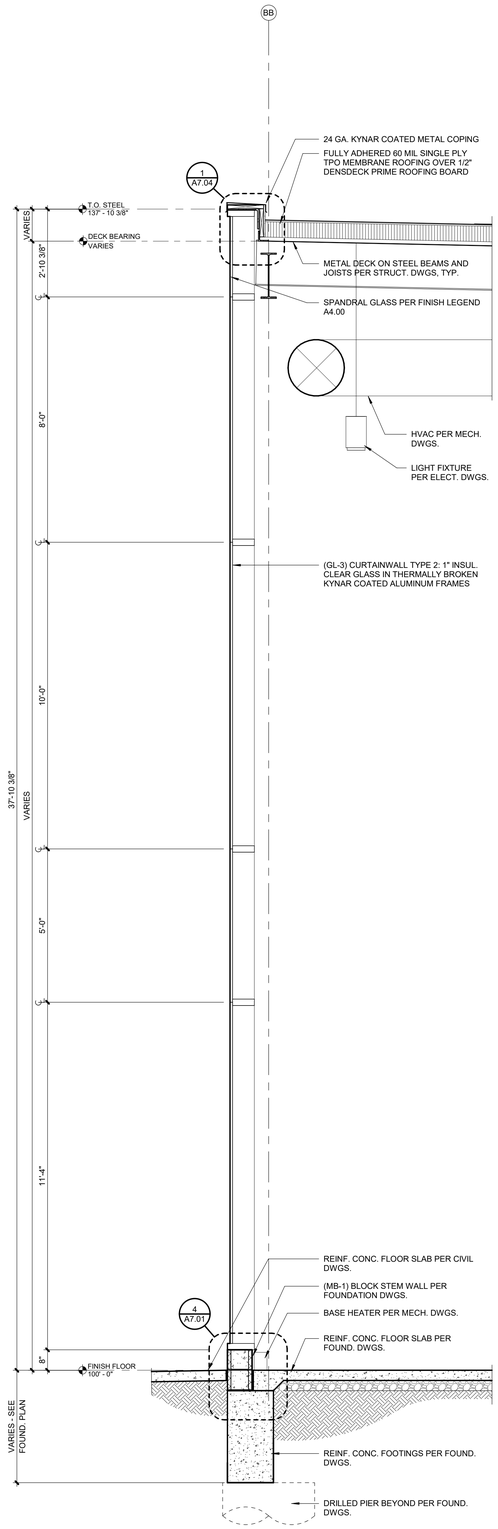
3 WALL SECTION

A5.11 SCALE : 1/2" = 1'-0"



2 WALL SECTION

A5.11 SCALE : 1/2" = 1'-0"



1 WALL SECTION

A5.11 SCALE : 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

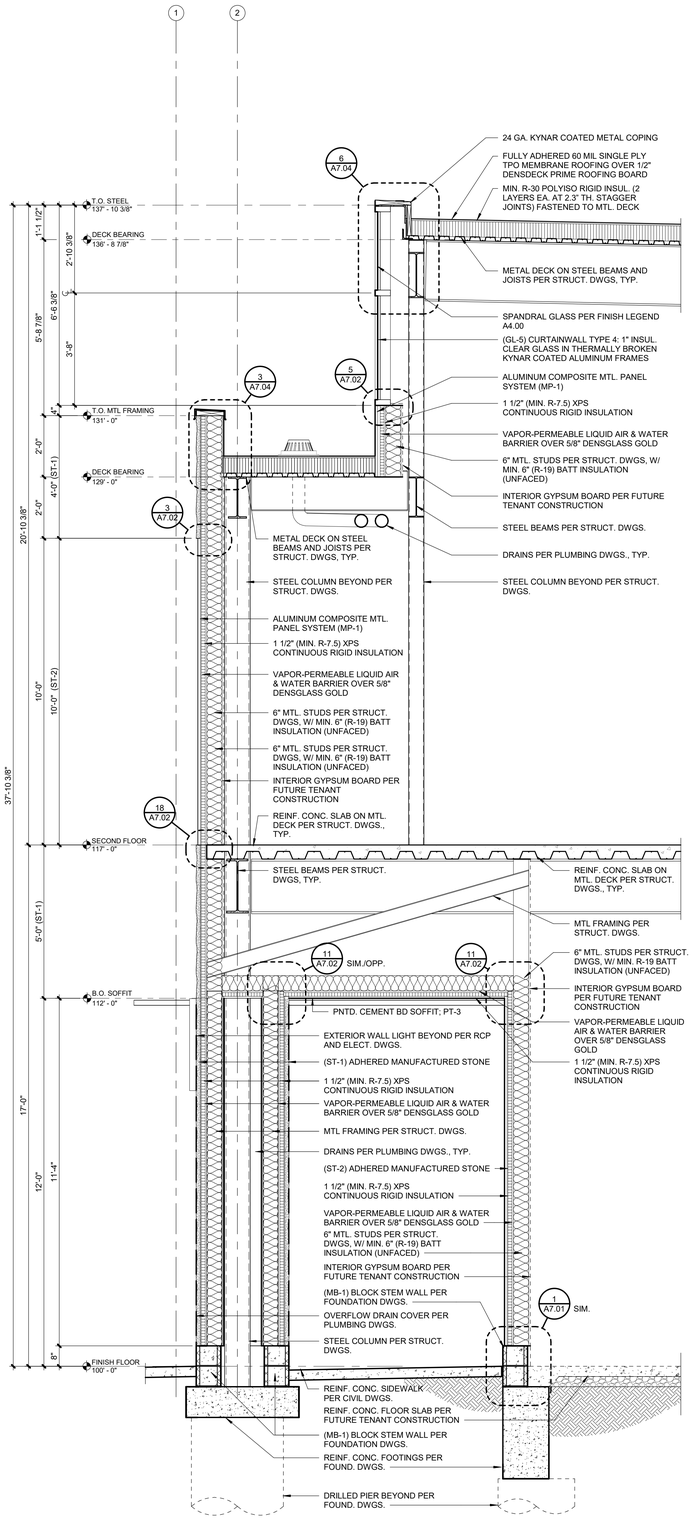
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL SECTIONS

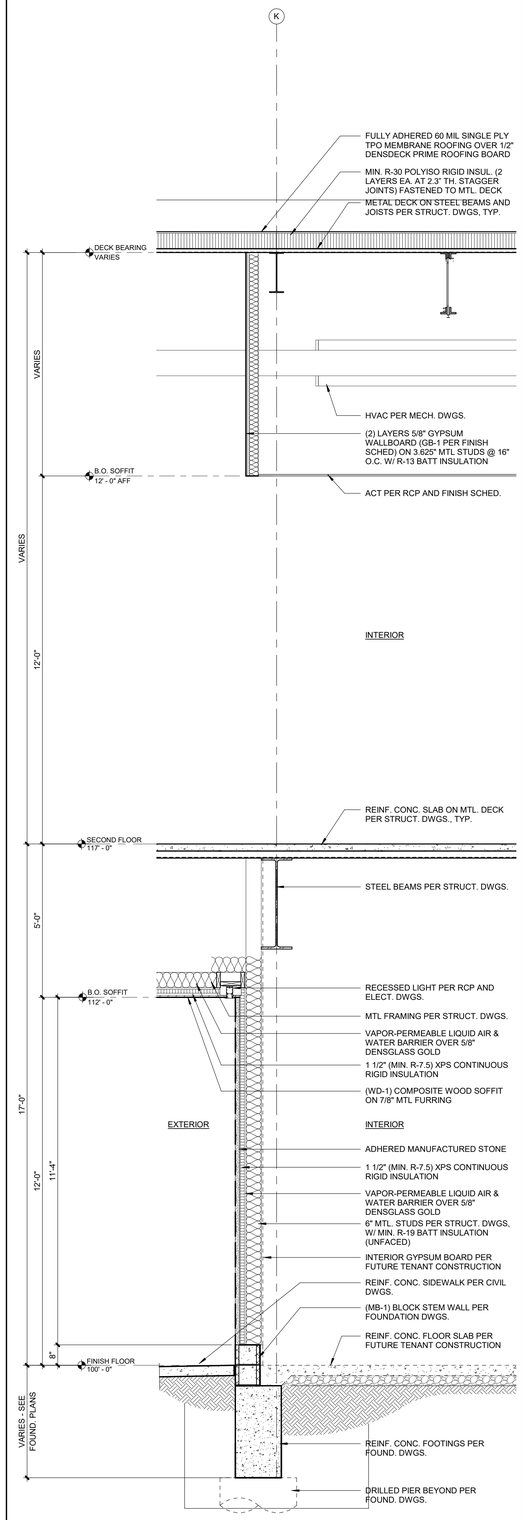
SHEET NUMBER

A5.11



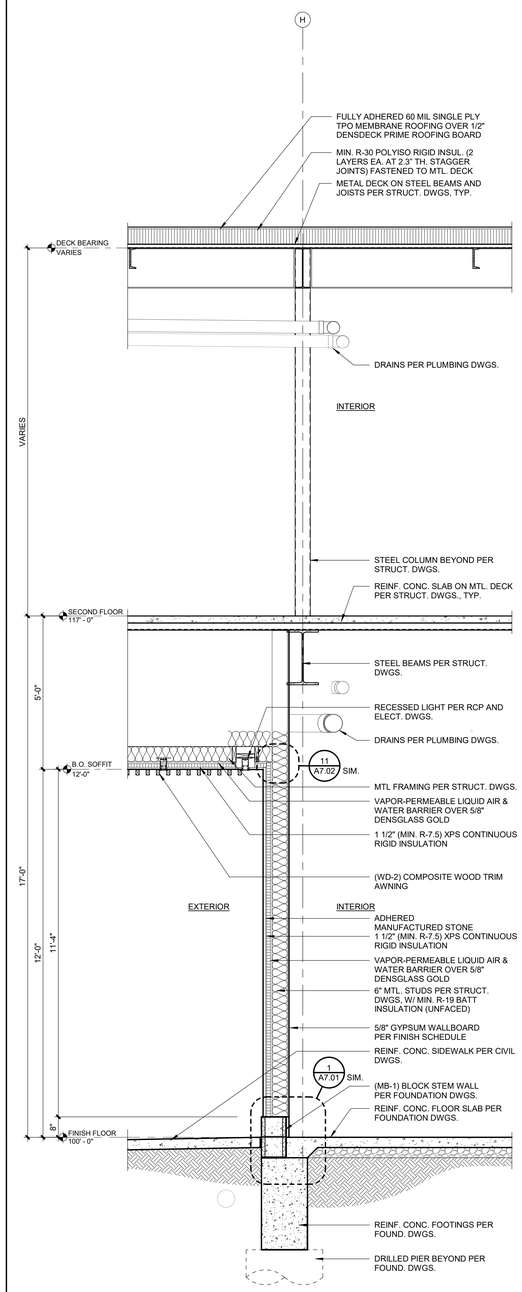
4 WALL SECTION

A5.12 SCALE: 1/2" = 1'-0"



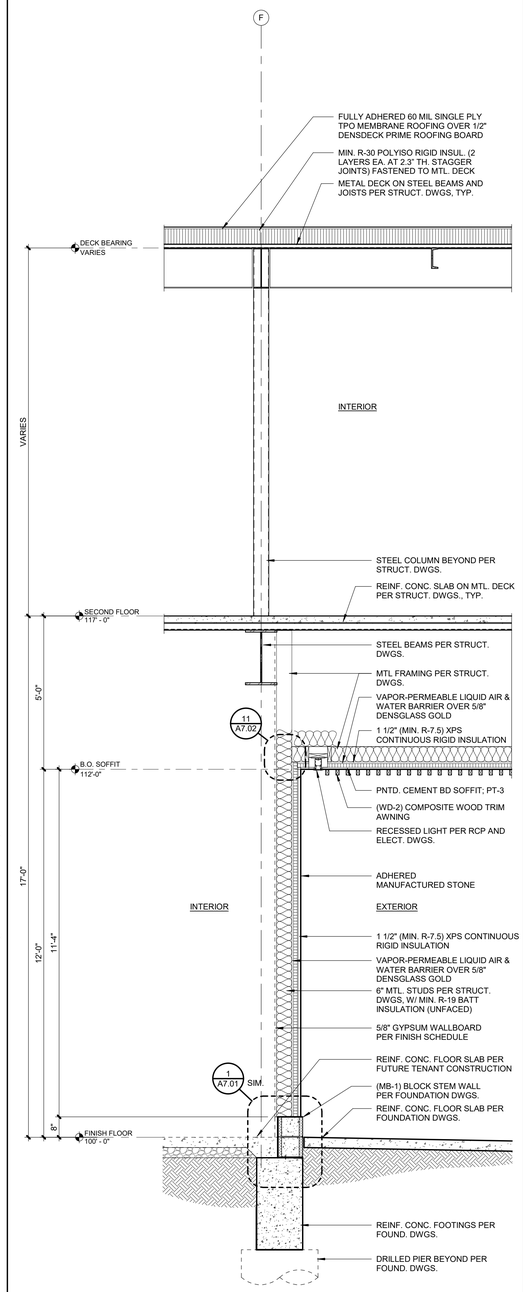
3 WALL SECTION

A5.12 SCALE: 1/2" = 1'-0"



2 WALL SECTION

A5.12 SCALE: 1/2" = 1'-0"



1 WALL SECTION

A5.12 SCALE: 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

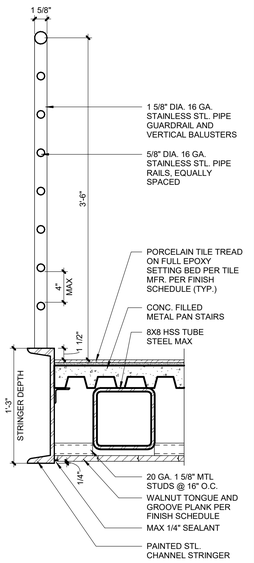
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

WALL SECTIONS

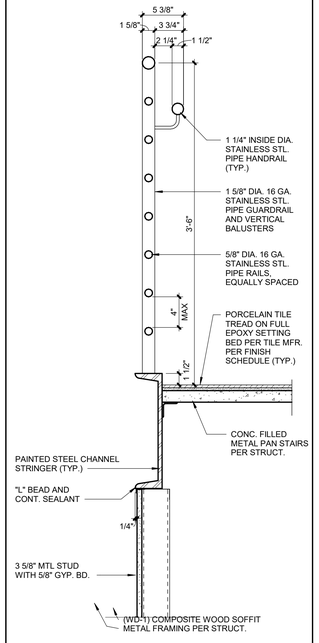
SHEET NUMBER

A5.12



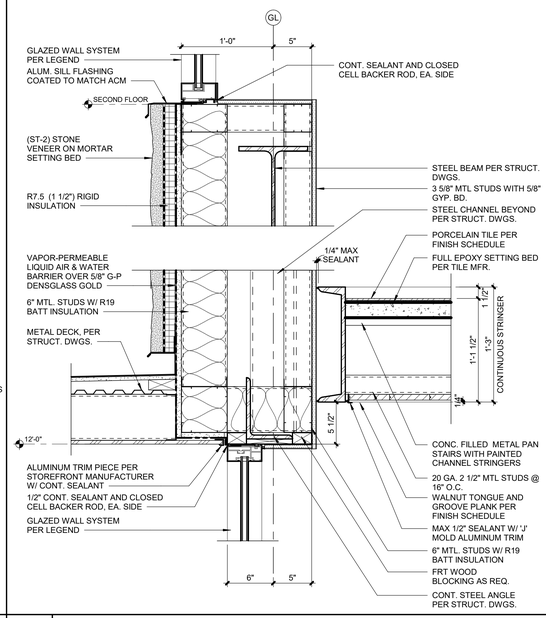
8 GUARDRAIL DETAIL

A6.01 SCALE : 1 1/2" = 1'-0"



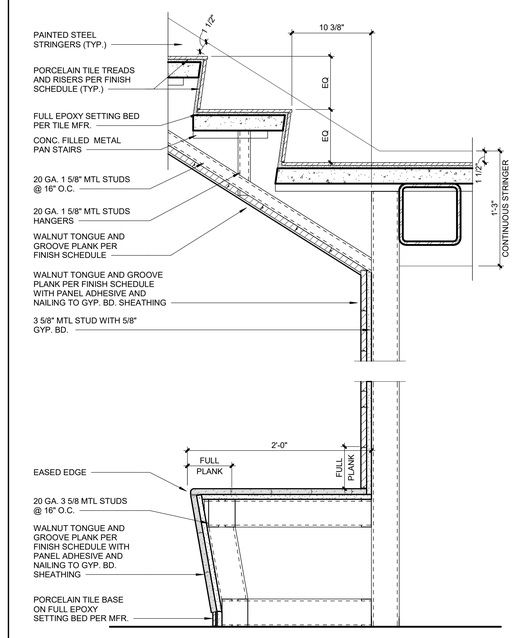
7 STAIR SECTION

A6.01 SCALE : 1 1/2" = 1'-0"



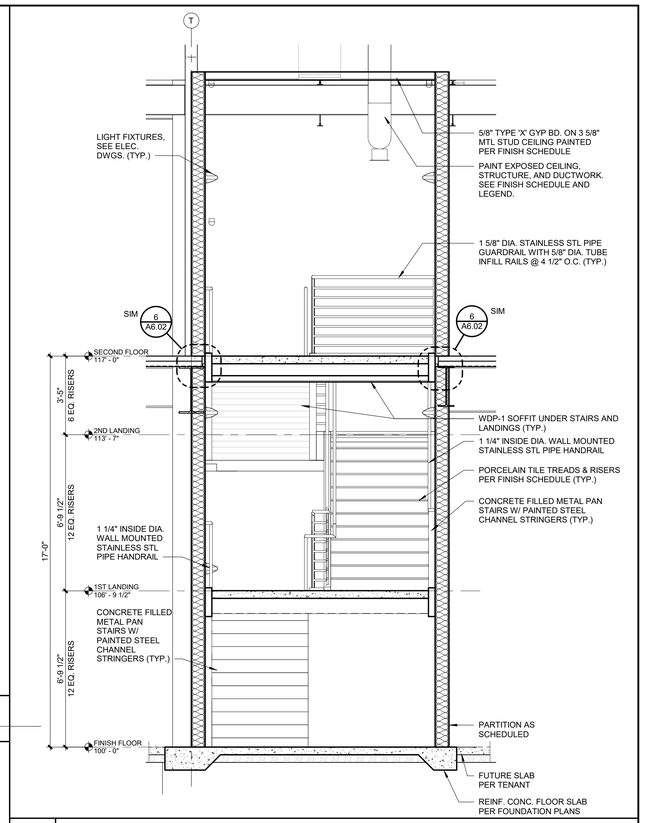
6 DETAIL AT LANDING

A6.01 SCALE : 1 1/2" = 1'-0"



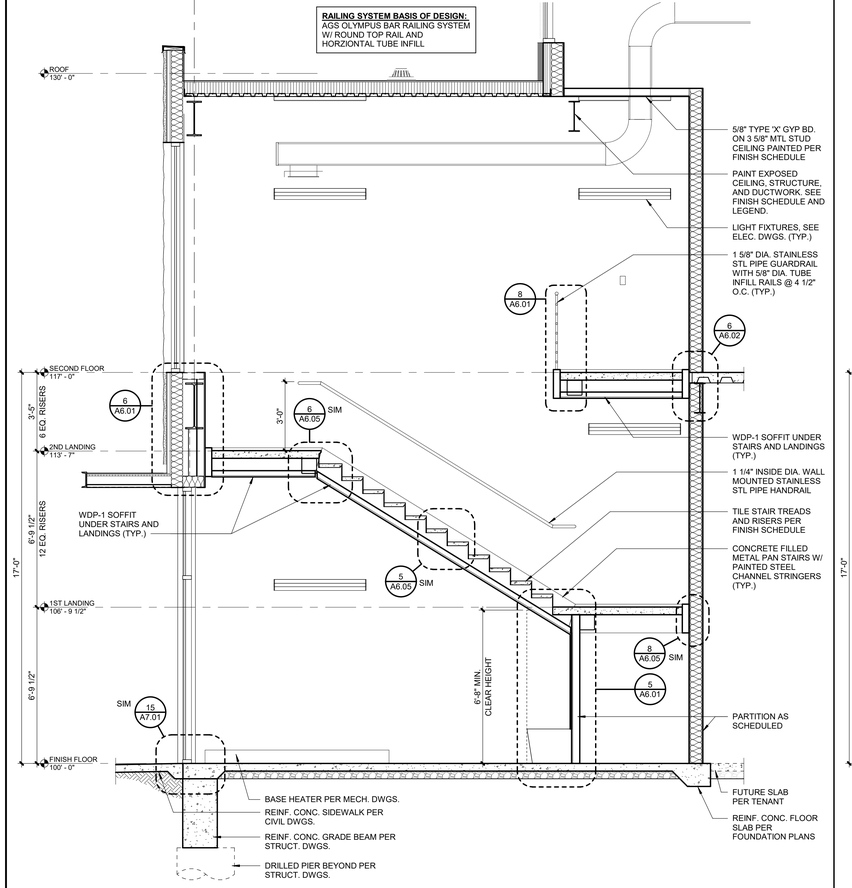
5 BENCH SECTION

A6.01 SCALE : 1 1/2" = 1'-0"



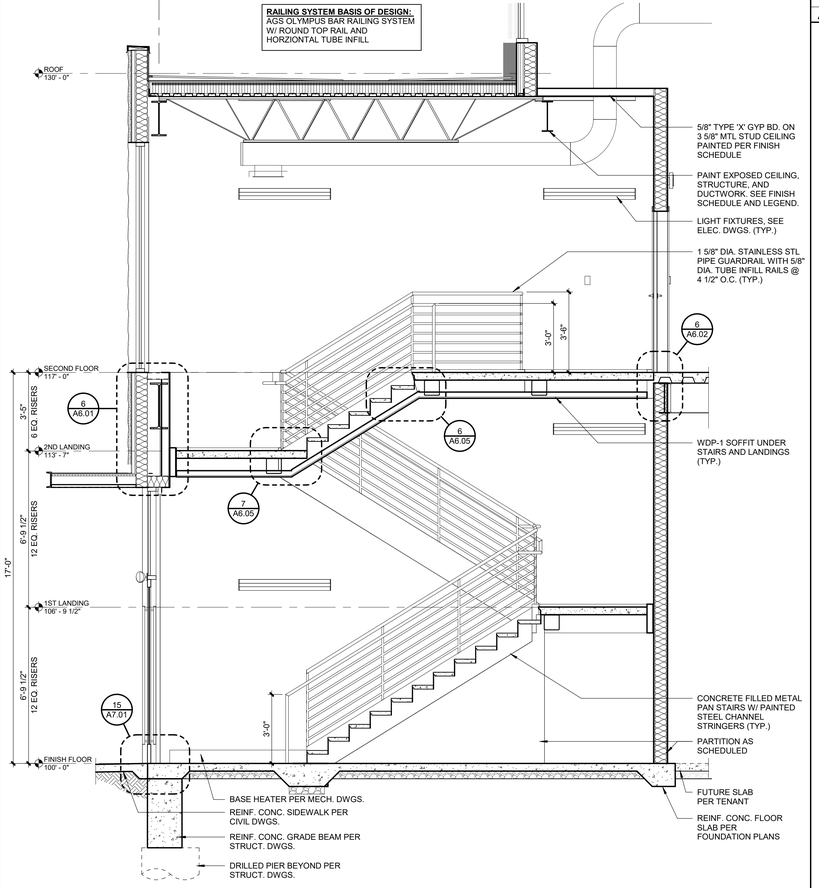
2 WEST STAIR SECTION

A6.01 SCALE : 3/8" = 1'-0"



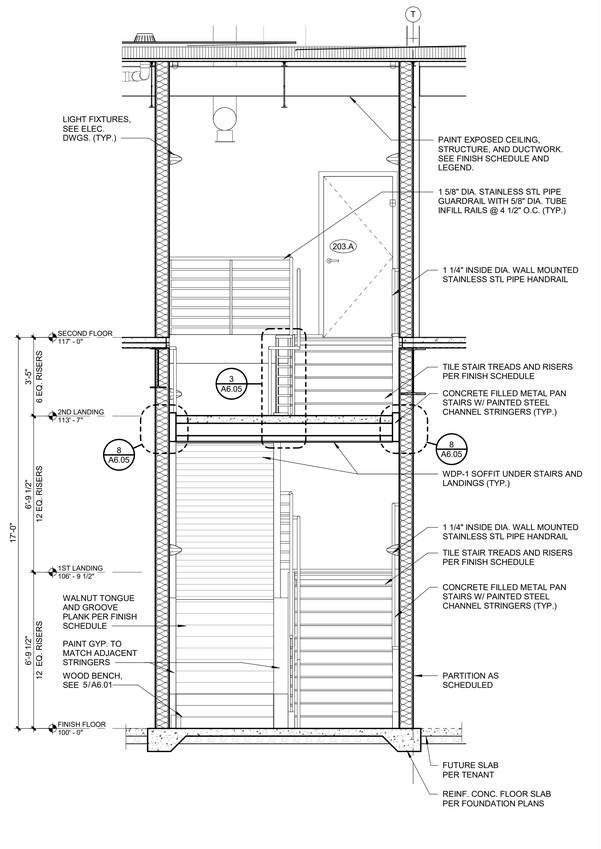
4 WEST STAIR SECTION

A6.01 SCALE : 3/8" = 1'-0"



3 WEST STAIR SECTION

A6.01 SCALE : 3/8" = 1'-0"



1 WEST STAIR SECTION

A6.01 SCALE : 3/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

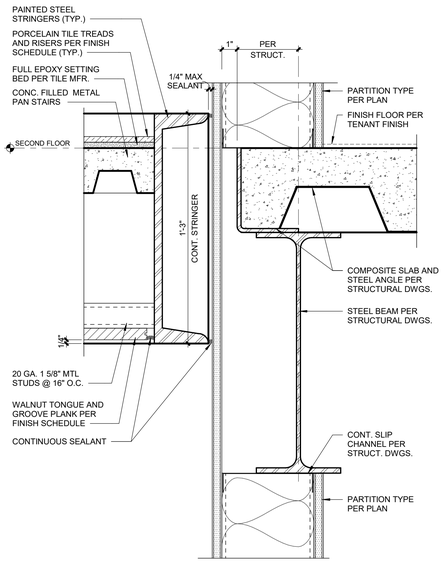
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

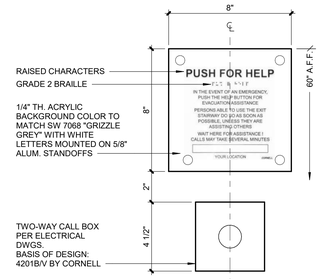
VERTICAL CIRCULATION

SHEET NUMBER

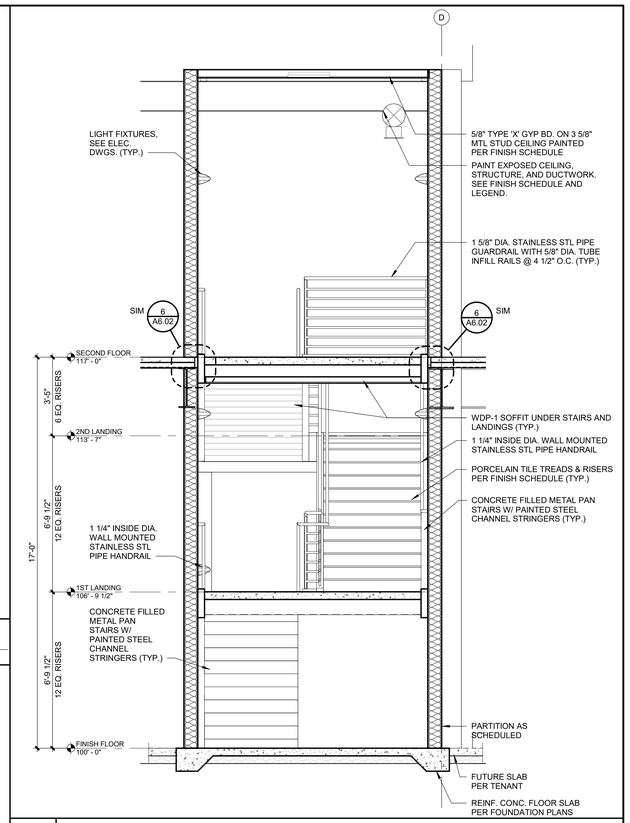
A6.01



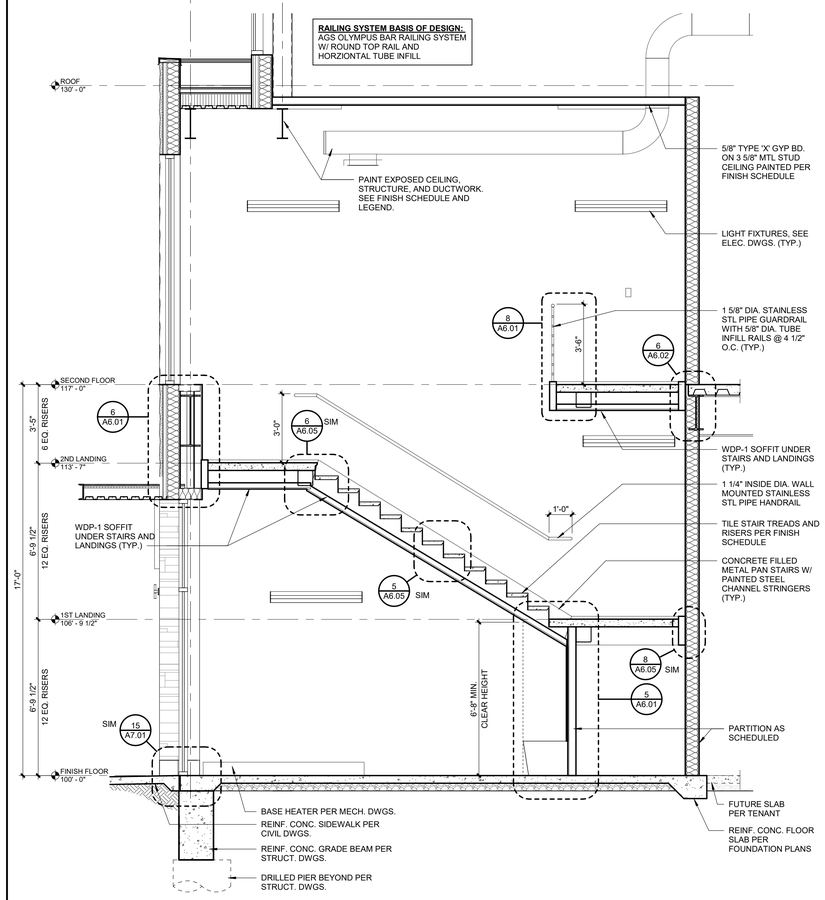
6 DETAIL
A6.02 SCALE : 3" = 1'-0"



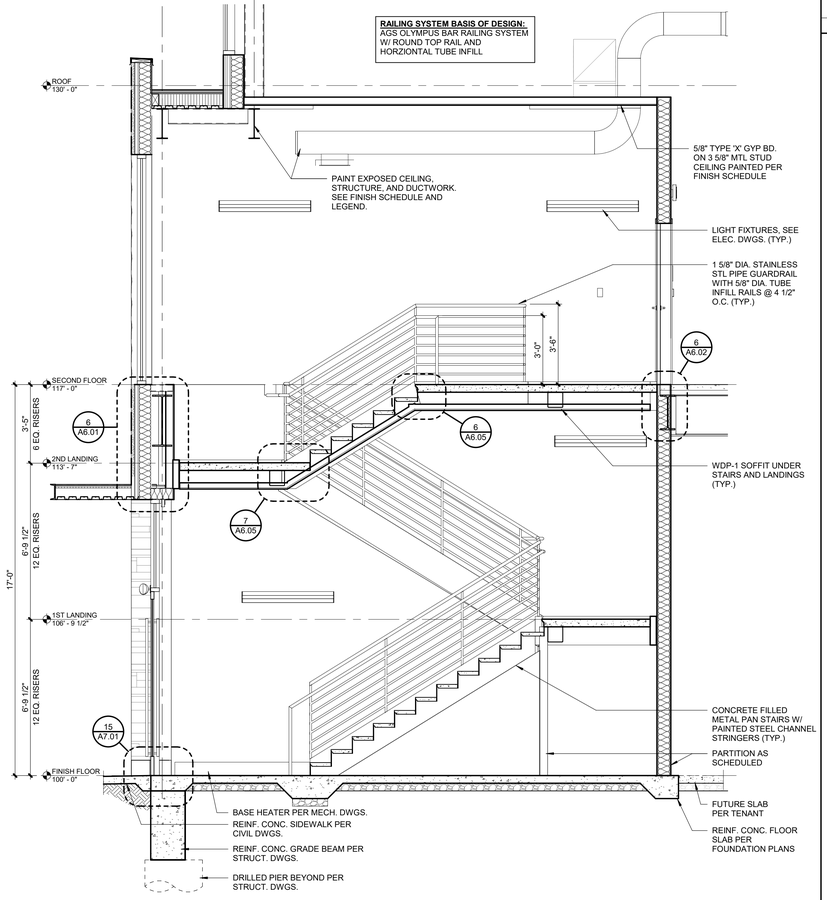
4 TWO-WAY COMMUNICATION
A6.02 SCALE : 3" = 1'-0"



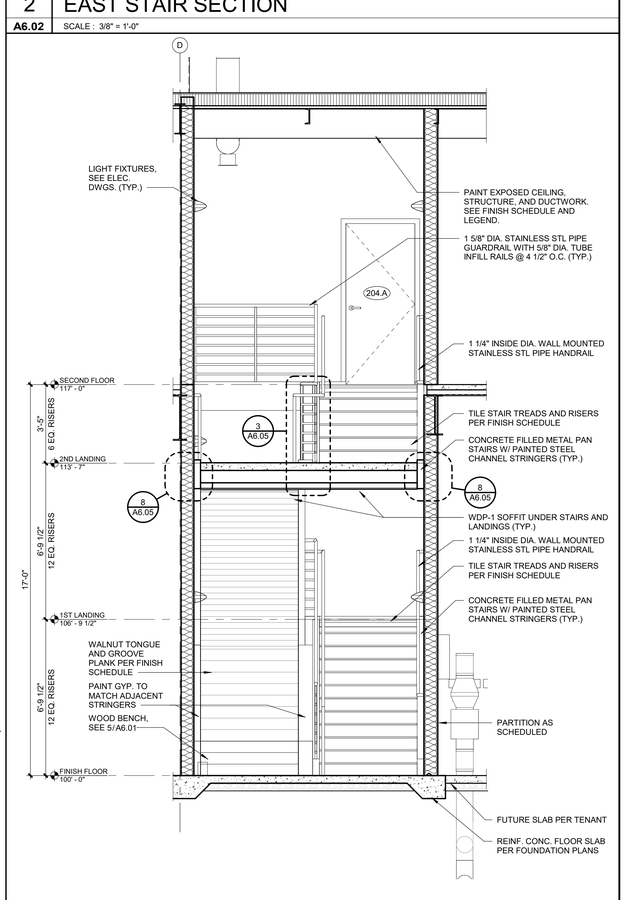
2 EAST STAIR SECTION
A6.02 SCALE : 3/8" = 1'-0"



5 EAST STAIR SECTION
A6.02 SCALE : 3/8" = 1'-0"



3 EAST STAIR SECTION
A6.02 SCALE : 3/8" = 1'-0"



1 EAST STAIR SECTION
A6.02 SCALE : 3/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

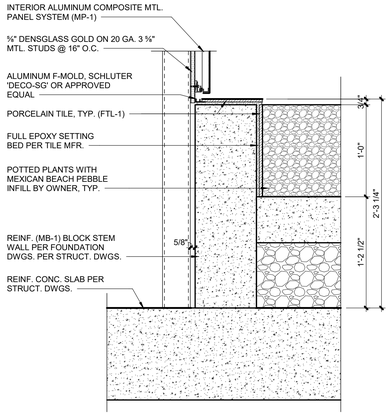
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

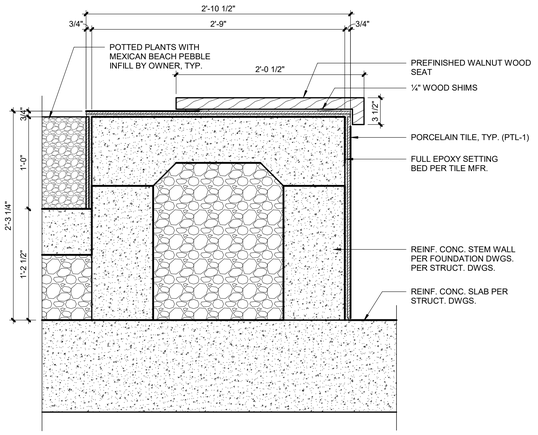
VERTICAL CIRCULATION

SHEET NUMBER

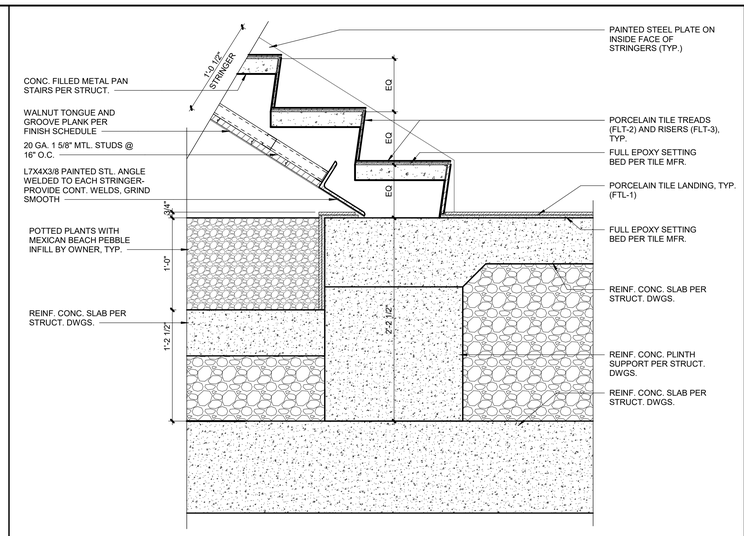
A6.02



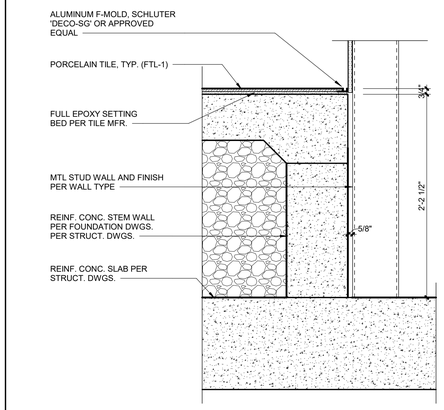
8 LOBBY STAIR PLINTH DETAIL
A6.03 SCALE : 1 1/2" = 1'-0"



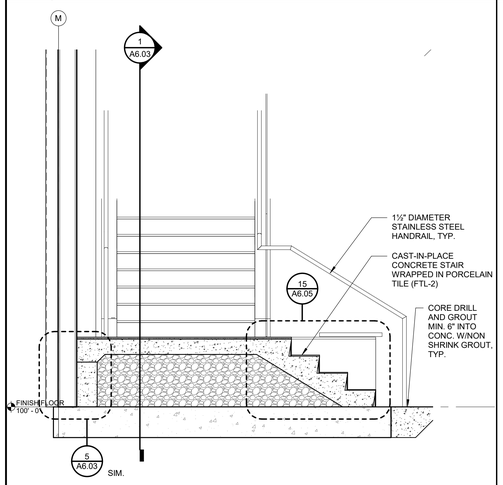
7 LOBBY STAIR PLINTH DETAIL
A6.03 SCALE : 1 1/2" = 1'-0"



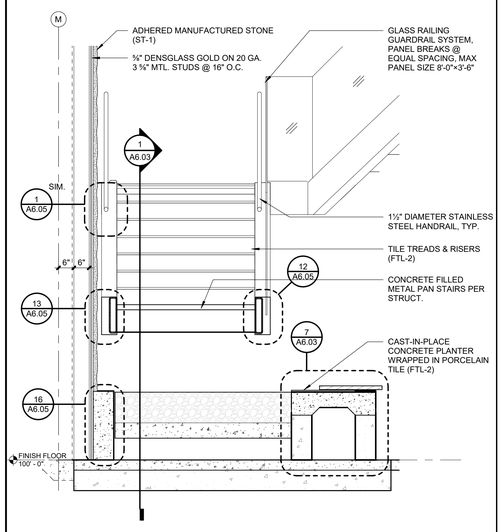
6 LOBBY STAIR PLINTH DETAIL
A6.03 SCALE : 1 1/2" = 1'-0"



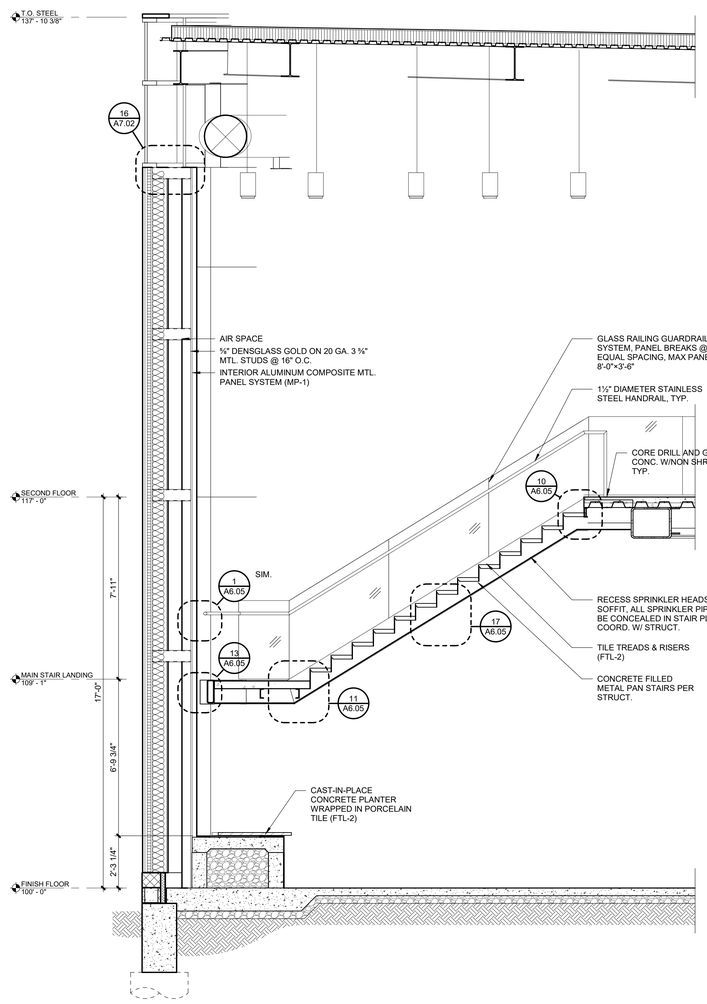
5 LOBBY STAIR PLINTH DETAIL
A6.03 SCALE : 1 1/2" = 1'-0"



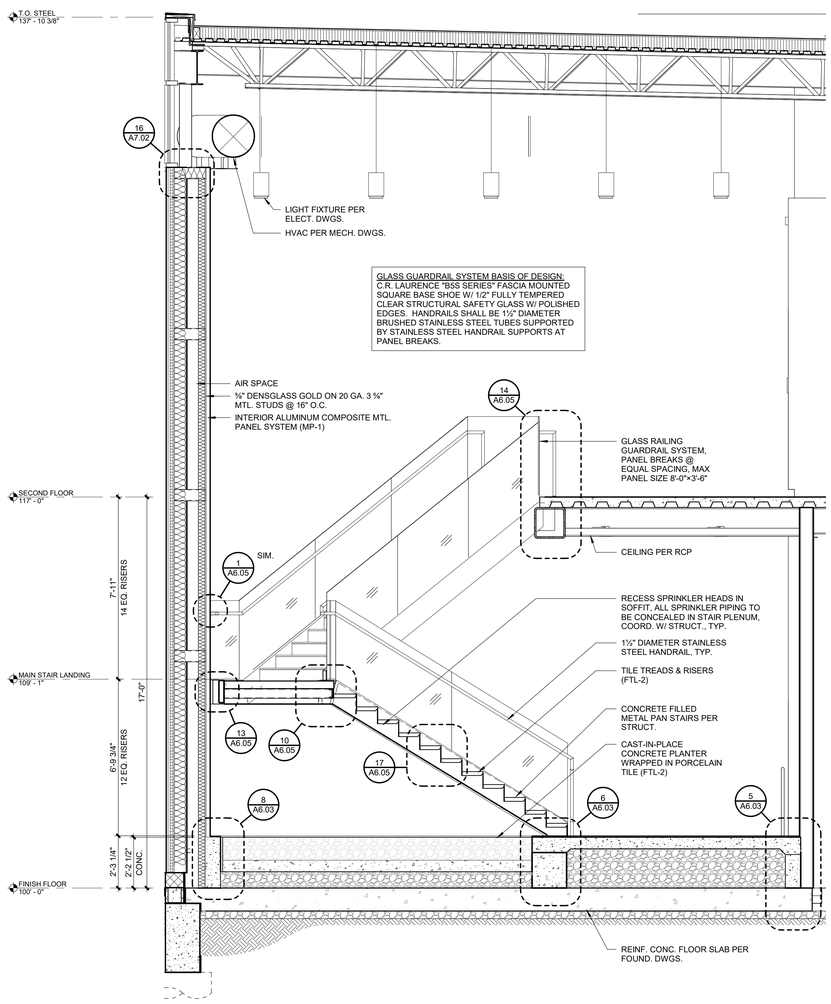
4 LOBBY STAIR PLINTH SECTION
A6.03 SCALE : 1/2" = 1'-0"



3 LOBBY STAIR PLANTER SECTION
A6.03 SCALE : 1/2" = 1'-0"



2 LOBBY STAIR SECTION
A6.03 SCALE : 3/8" = 1'-0"



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

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

VERTICAL CIRCULATION

SHEET NUMBER

A6.03

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
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STATE OF MISSOURI · DAVID ALAN WILLIAMS · NUMBER A-5540 · REGISTERED ARCHITECT

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STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
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7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

VERTICAL CIRCULATION

SHEET NUMBER

A6.04

ELEVATOR BASIS OF DESIGN:

KONE MONOSPACE 500
10'-0" HIGH CAB, 8'-0" H. DOOR
4000 LB CAPACITY, SERVICE, FRONT OPENING

ELEVATOR INTERIOR:
KONE INDUSTRIAL CHIC 42008 WITH STAINLESS STEEL SIDE WALLS.

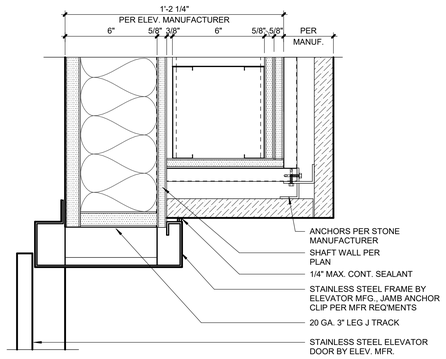
REAR WALLS: BRUSHED BLACK ALUM. (L401) METALLIC LAMINATE

SIDE WALLS: FLEMISH LINEN TEXTURED STAINLESS STEEL (TS2)

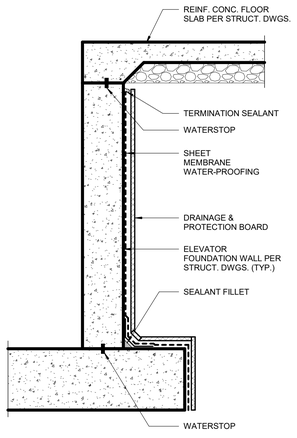
CEILING: RECTANGULAR LED LIGHT PANEL (CL94) BRUSHED STIANLESS STEEL (4SS)

HANDRAIL: ROUND, STRAIGHT ENDS (HR61) BRUSHED STAINLESS STEEL (4SS)

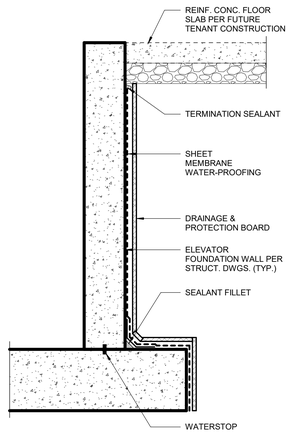
SKIRTING (BRUSHED STAINLESS STEEL (4SS)



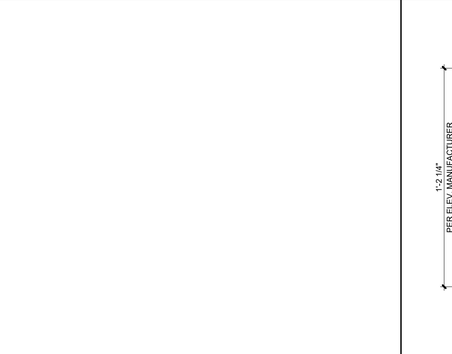
9 ELEVATOR HEAD DETAIL
A6.04 SCALE : 3" = 1'-0"



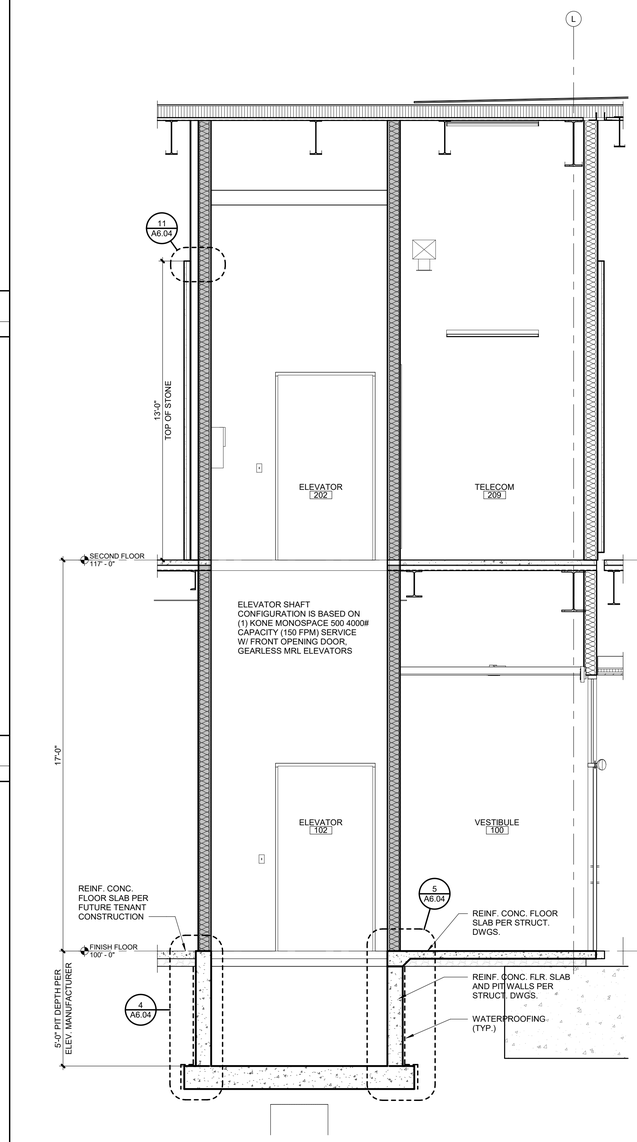
5 ELEV. PIT WATERPROOFING
A6.04 SCALE : 1" = 1'-0"



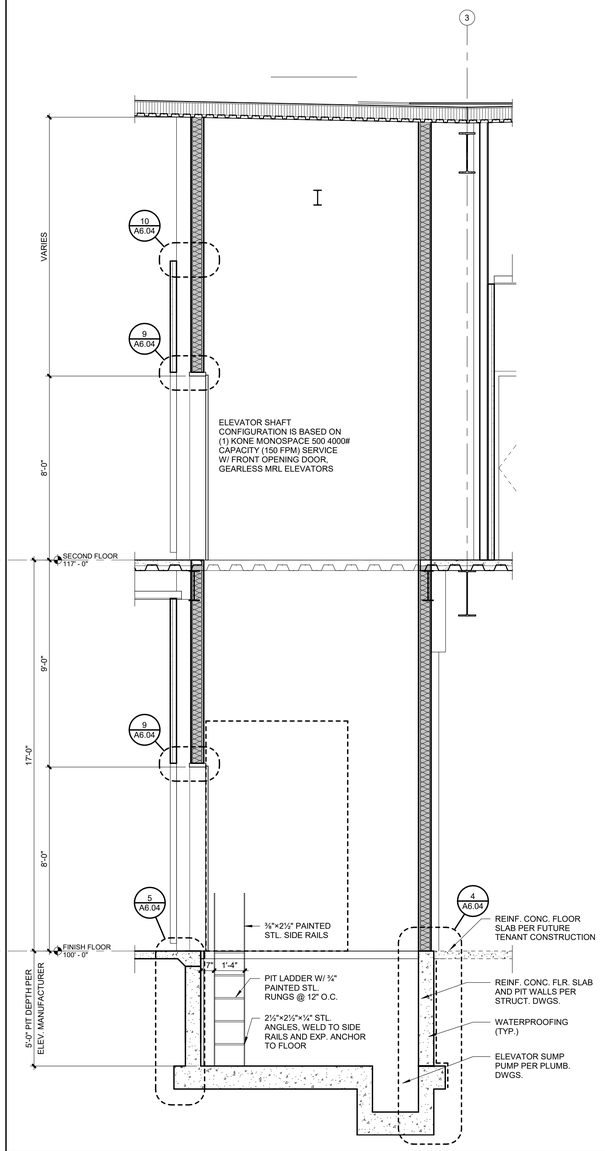
4 ELEV. PIT WATERPROOFING
A6.04 SCALE : 1" = 1'-0"



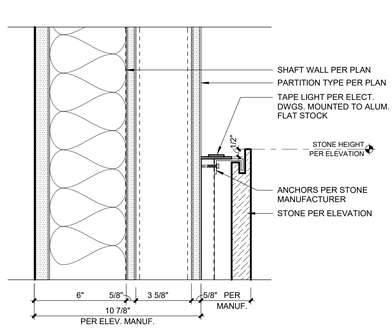
8 ELEVATOR JAMB DETAIL
A6.04 SCALE : 3" = 1'-0"



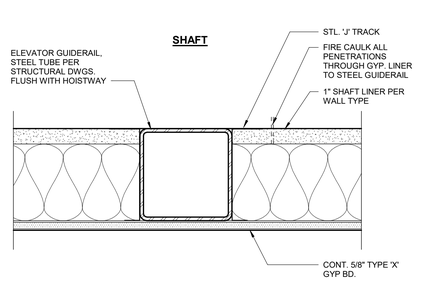
3 ELEVATOR SECTION
A6.04 SCALE : 3/8" = 1'-0"



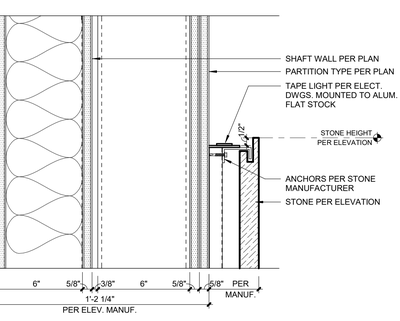
1 ELEVATOR SECTION
A6.04 SCALE : 3/8" = 1'-0"



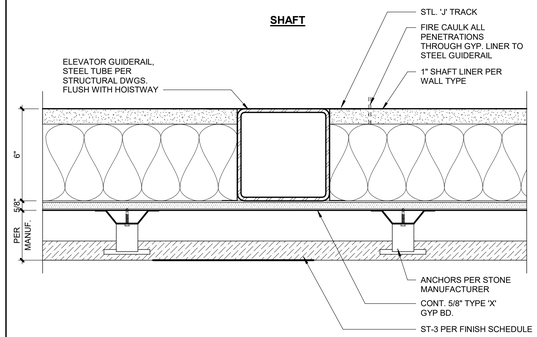
11 ELEV. STONE WALL AT COVE LIGHT
A6.04 SCALE : 3" = 1'-0"



7 SHAFT WALL RAIL SUPPORT
A6.04 SCALE : 3" = 1'-0"



10 ELEV. STONE WALL AT COVE LIGHT
A6.04 SCALE : 3" = 1'-0"



6 SHAFT WALL RAIL SUPPORT
A6.04 SCALE : 3" = 1'-0"

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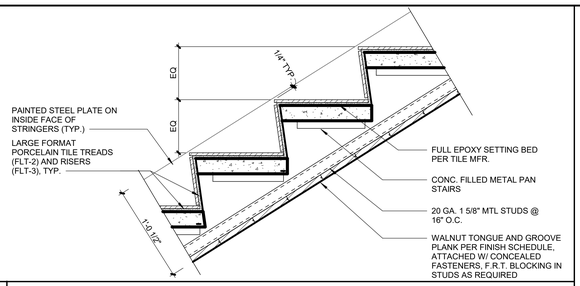
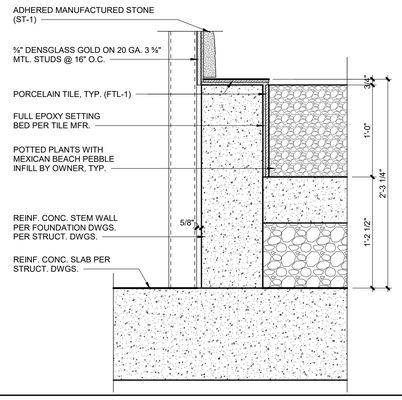


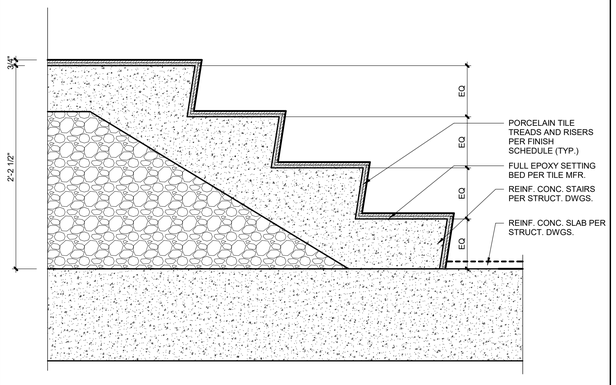
17 STAIR DETAIL - LOBBY STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



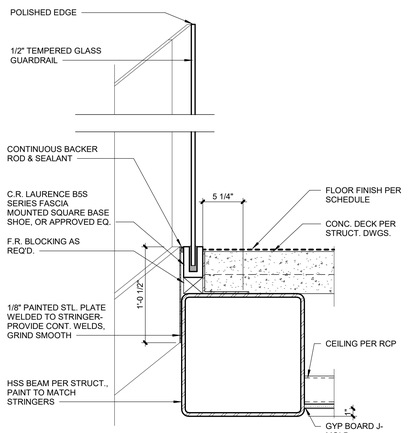
16 LOBBY STAIR PLINTH DETAIL

A6.05 SCALE : 1 1/2" = 1'-0"



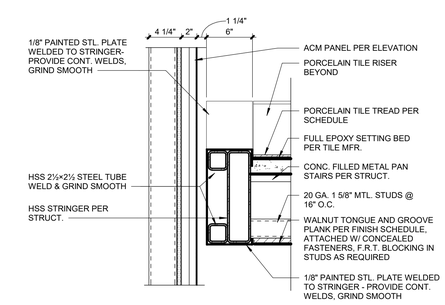
15 LOBBY STAIR PLINTH DETAIL

A6.05 SCALE : 1 1/2" = 1'-0"



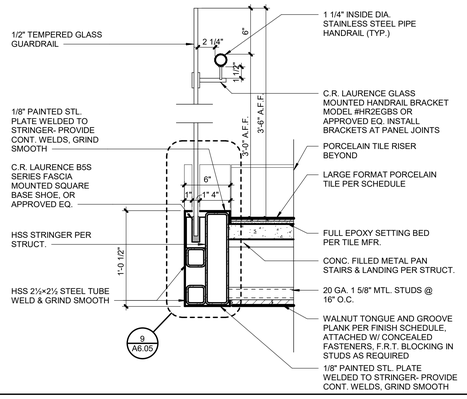
14 GUARDRAIL DETAIL - LOBBY STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



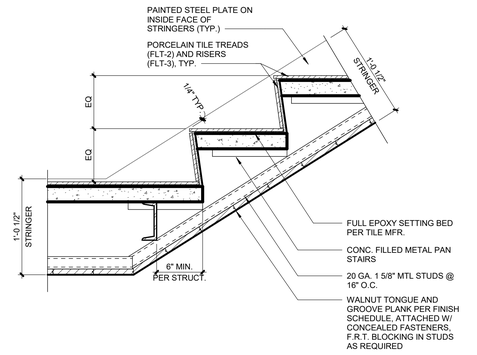
13 STAIR DETAIL - LOBBY STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



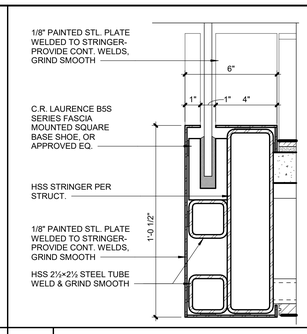
12 STAIR DETAIL - LOBBY STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



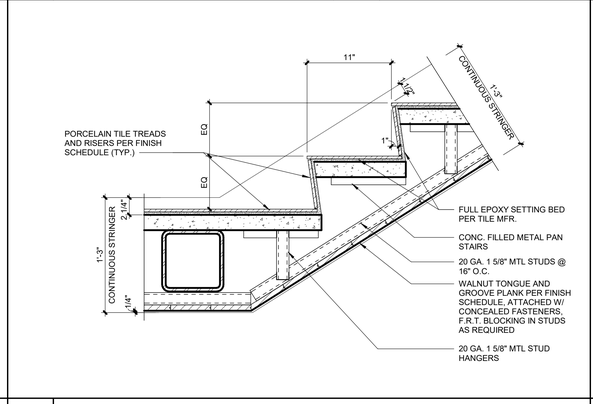
11 STAIR DETAIL - LOBBY STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



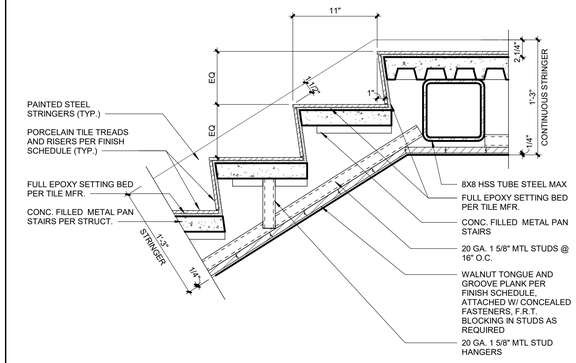
9 STAIR DETAIL

A6.05 SCALE : 3" = 1'-0"



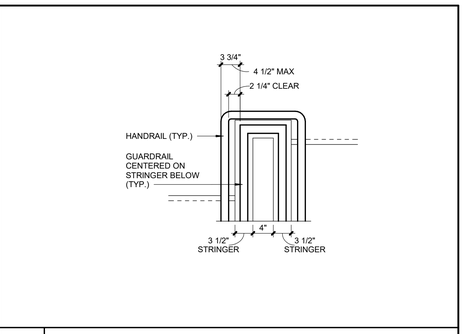
7 STAIR DETAIL - EAST & WEST STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



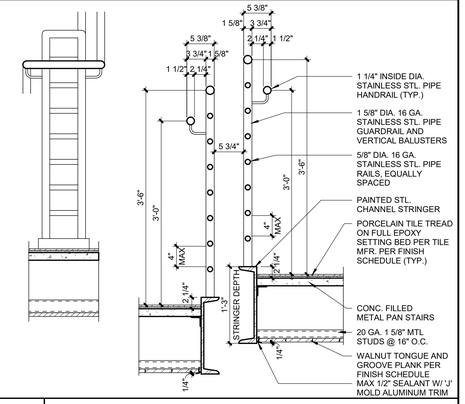
6 STAIR DETAIL - EAST & WEST STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



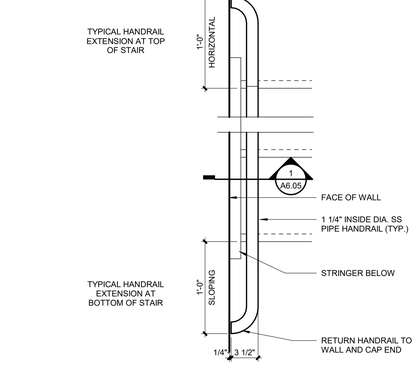
8 STAIR DETAIL

A6.05 SCALE : 1 1/2" = 1'-0"



4 GUARDRAIL AT LANDING - PLAN

A6.05 SCALE : 1" = 1'-0"

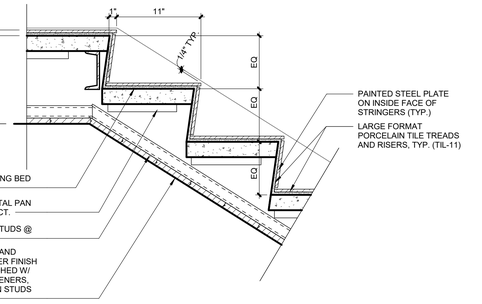


3 GUARDRAIL SECTION

A6.05 SCALE : 1" = 1'-0"

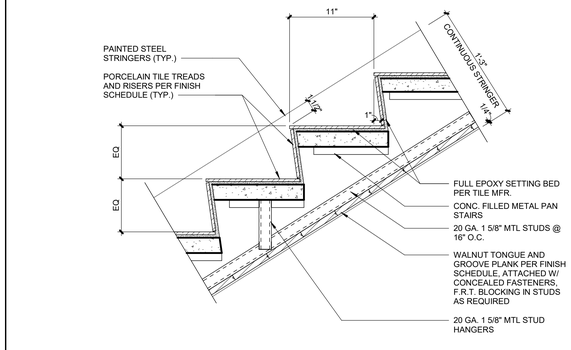
2 HANDRAIL EXTENSION

A6.05 SCALE : 1 1/2" = 1'-0"



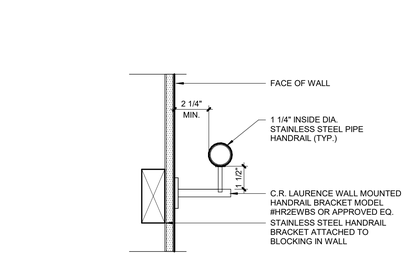
10 STAIR DETAIL - LOBBY STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



5 STAIR DETAIL - EAST & WEST STAIR

A6.05 SCALE : 1 1/2" = 1'-0"



1 HANDRAIL DETAIL

A6.05 SCALE : 3" = 1'-0"

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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
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REVISIONS

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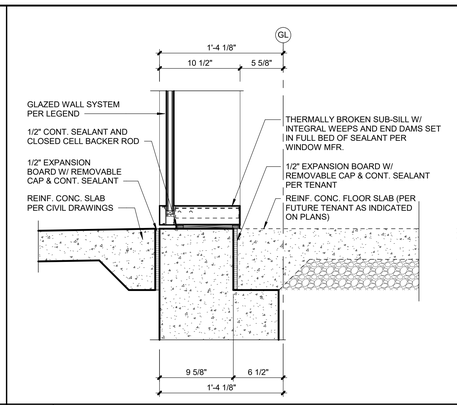
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

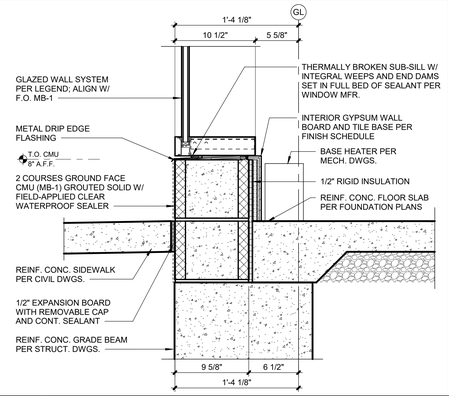
VERTICAL CIRCULATION DETAILS

SHEET NUMBER

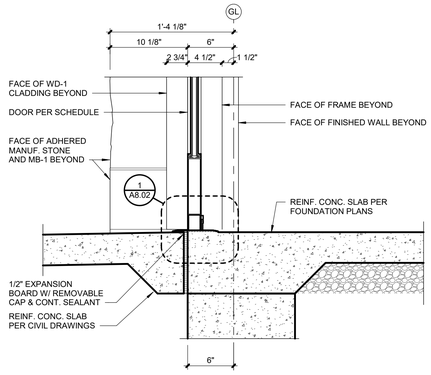
A6.05



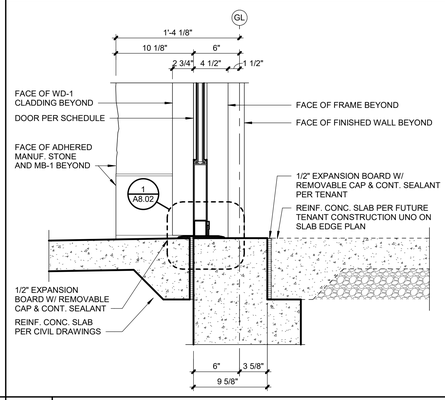
8 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



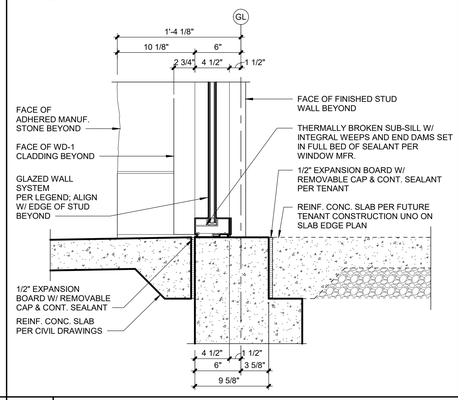
4 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



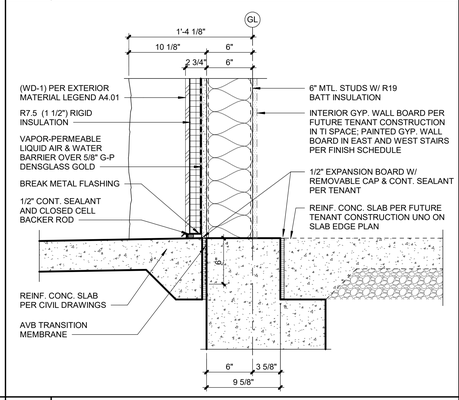
15 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



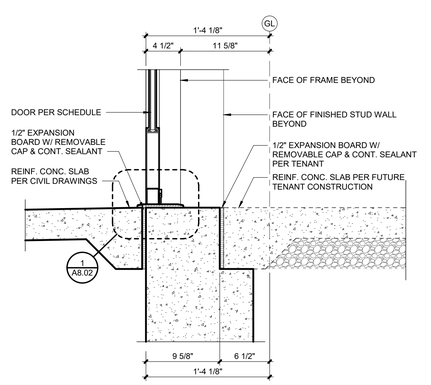
11 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



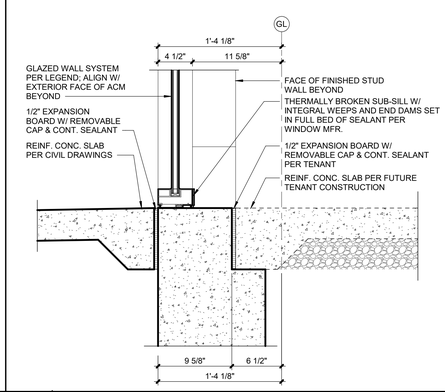
7 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



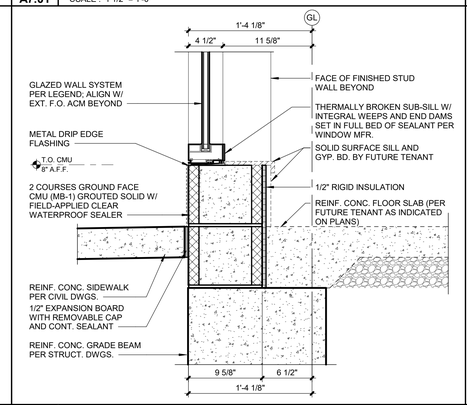
3 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



14 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



10 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



6 FOUNDATION DETAIL
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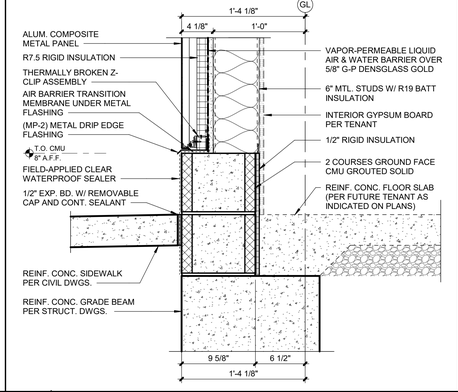

2 FOUNDATION DETAIL
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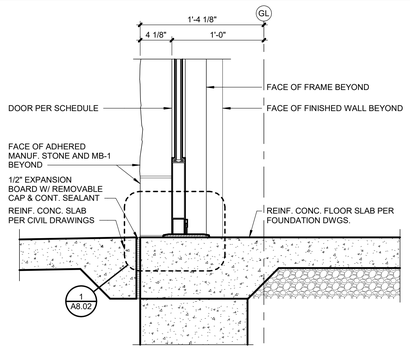
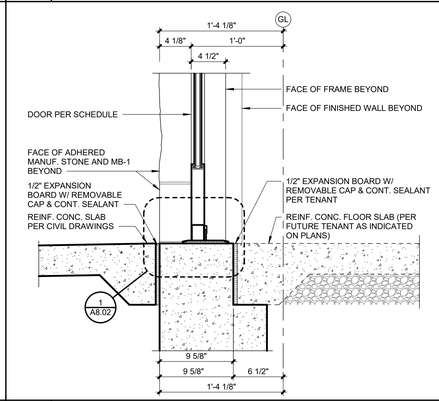
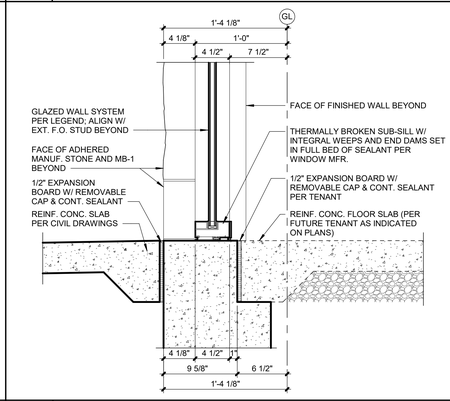


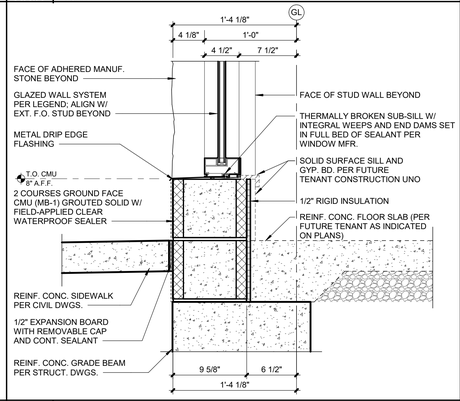
17 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



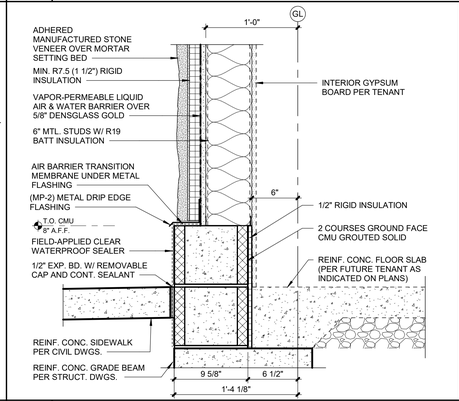
13 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



9 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



5 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"



1 FOUNDATION DETAIL
A7.01 SCALE : 1 1/2" = 1'-0"

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06/01/2021

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MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

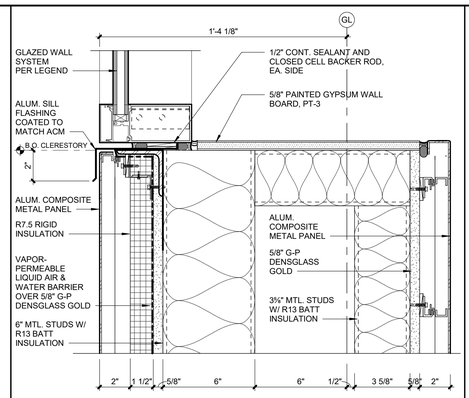
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

FOUNDATION DETAILS

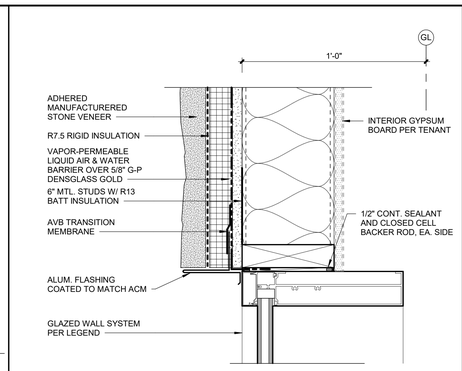
SHEET NUMBER

A7.01



16 SILL DETAIL

A7.02 SCALE : 3" = 1'-0"



12 HEAD DETAIL

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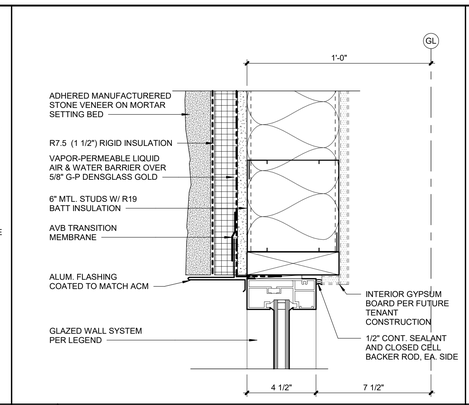

8 HEAD DETAIL

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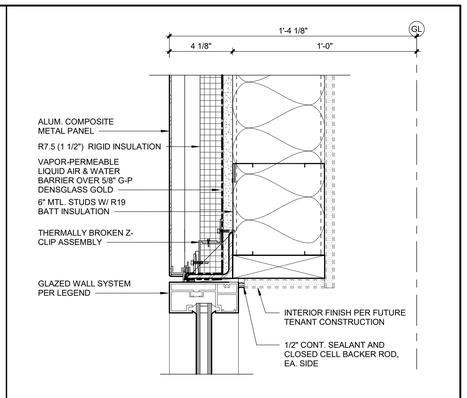

4 HEAD DETAIL

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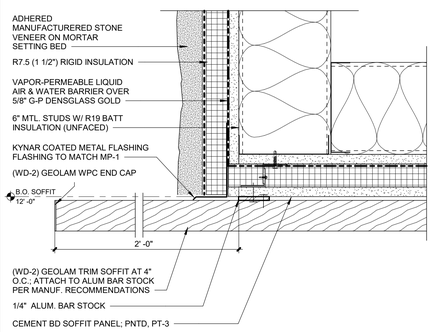

19 AWNING TYPE 2 DETAIL

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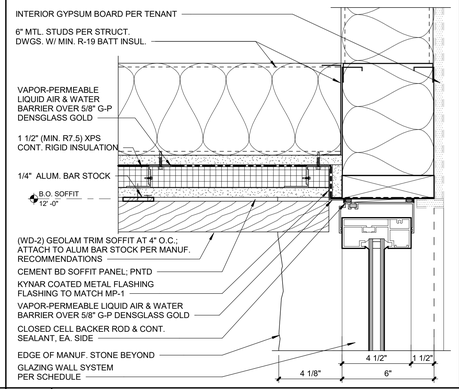

15 AWNING TYPE 2 DETAIL

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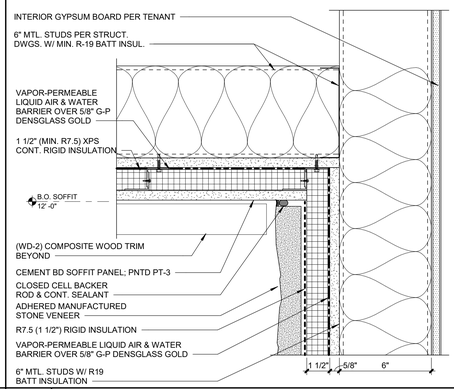

11 SOFFIT DETAIL

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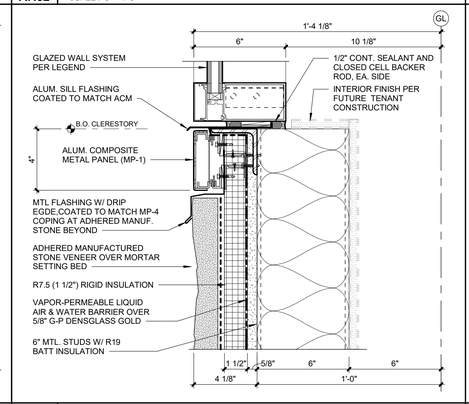

7 DETAIL

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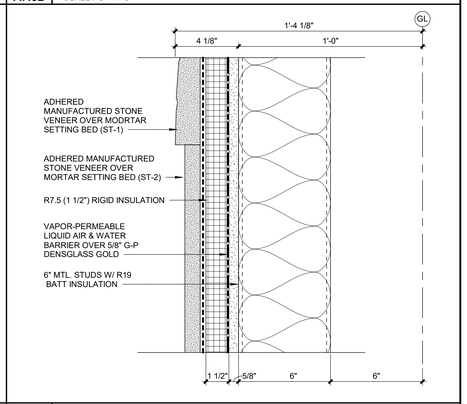

3 DETAIL

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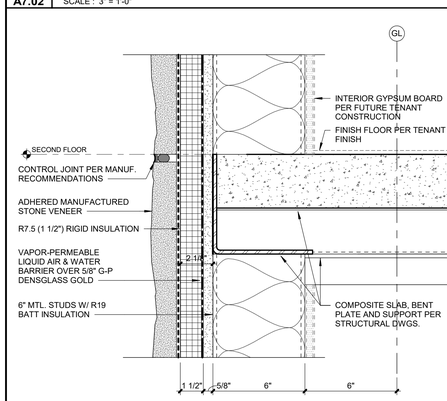

18 DETAIL

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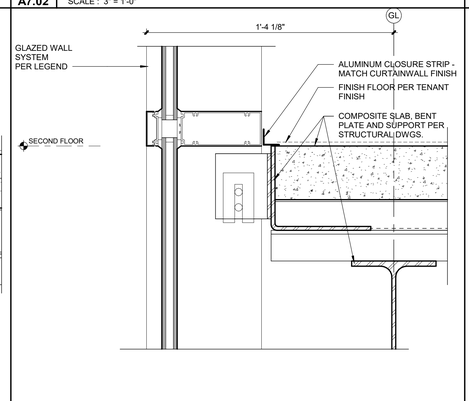

14 DETAIL

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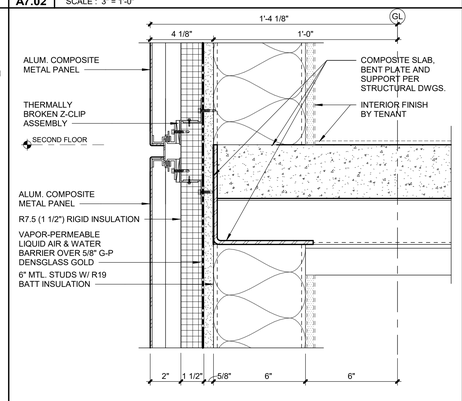

10 DETAIL

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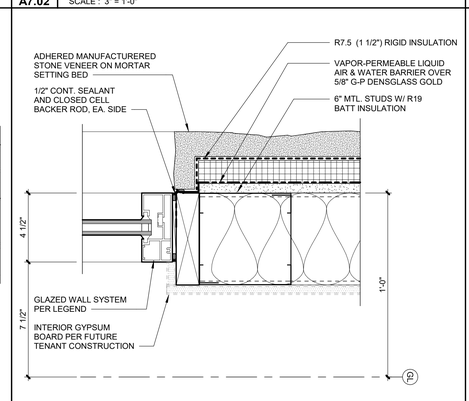
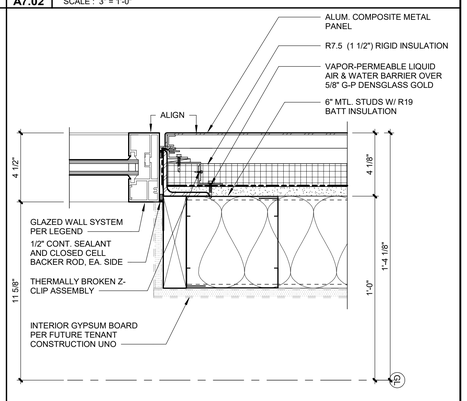


6 DETAIL

A7.02 SCALE : 3" = 1'-0"



2 DETAIL

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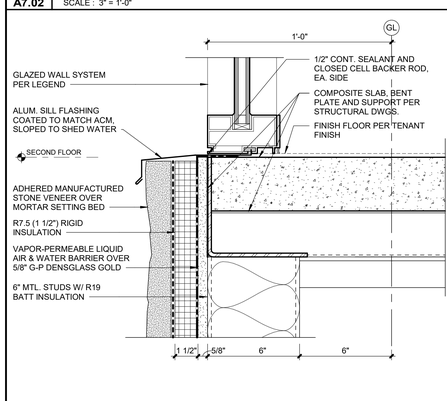

17 SILL DETAIL

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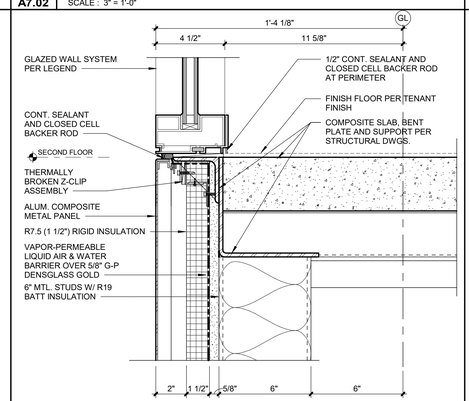

13 SILL DETAIL

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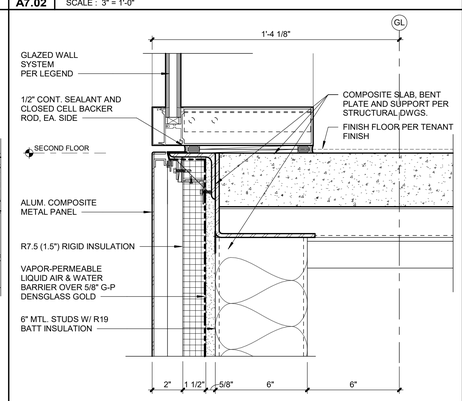

9 SILL DETAIL

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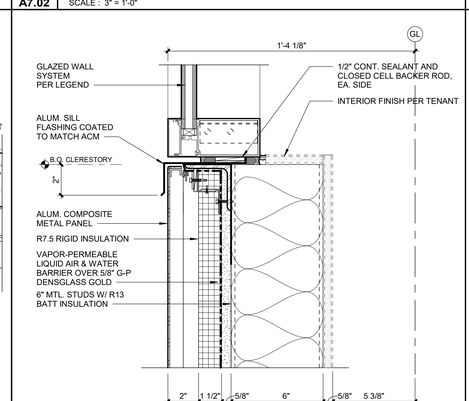

5 SILL DETAIL

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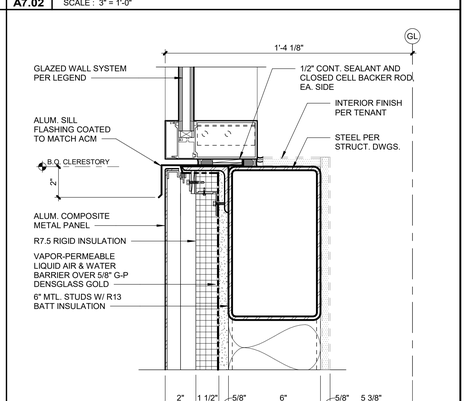

1 SILL DETAIL

A7.02 SCALE : 3" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

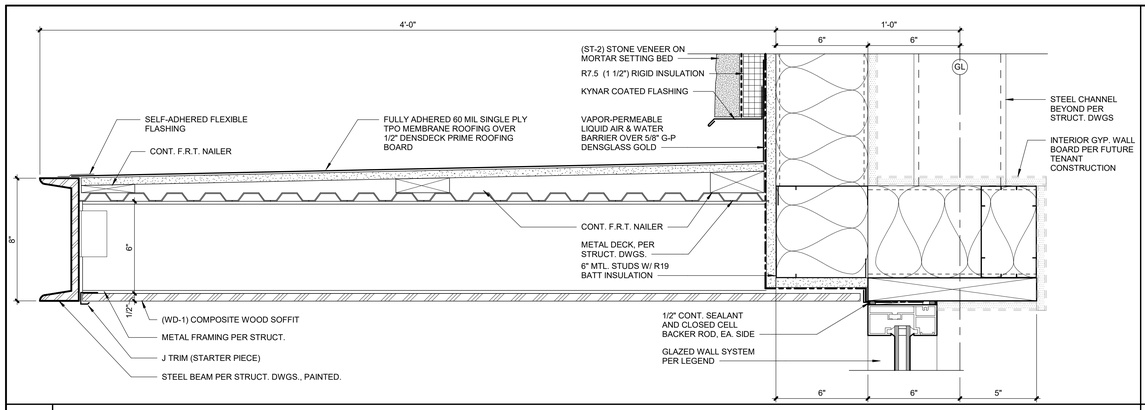
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

DETAILS

SHEET NUMBER

A7.02



16 AWNING TYPE 1 DETAIL

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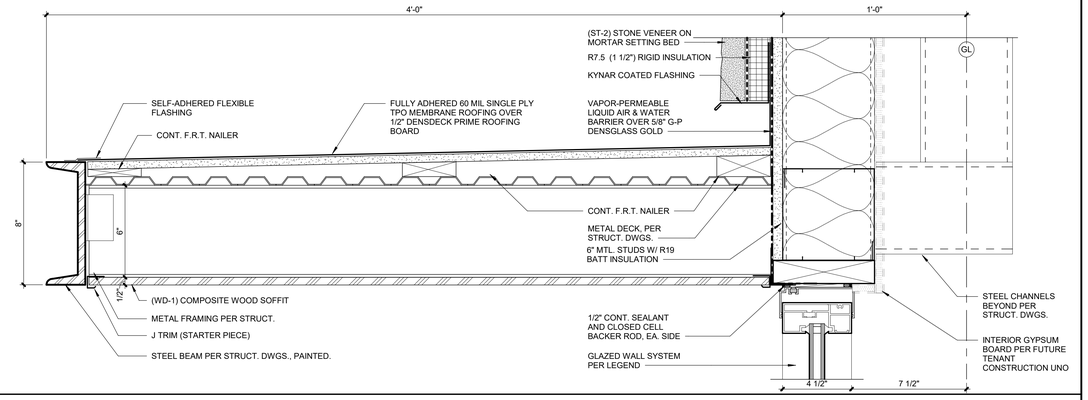

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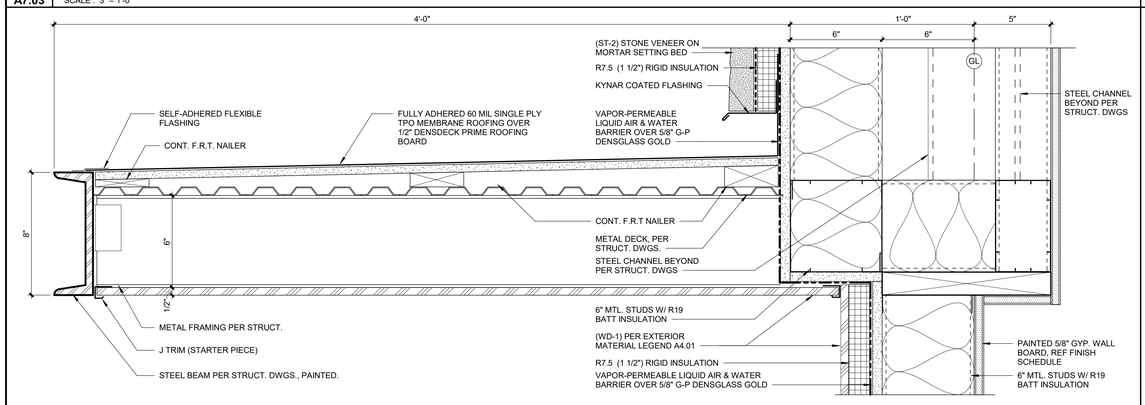

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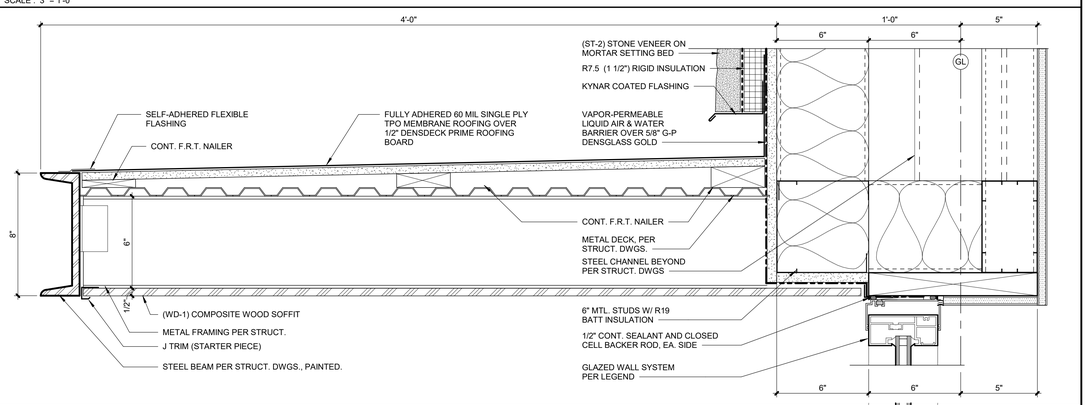

7 AWNING TYPE 1 DETAIL

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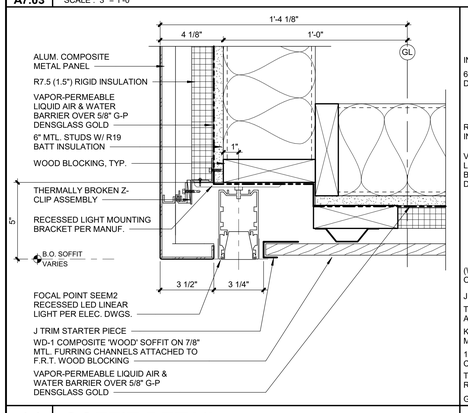

14 SOFFIT DETAIL

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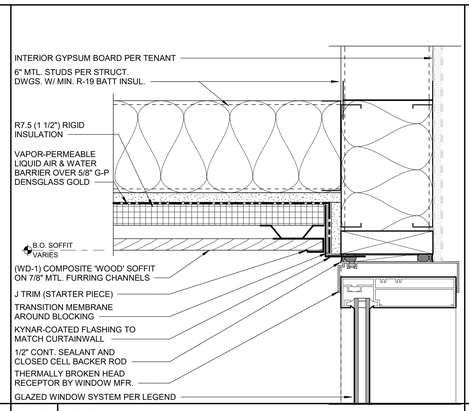

12 SOFFIT DETAIL

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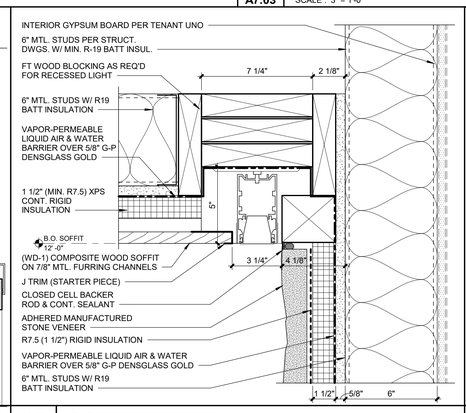

10 SOFFIT DETAIL

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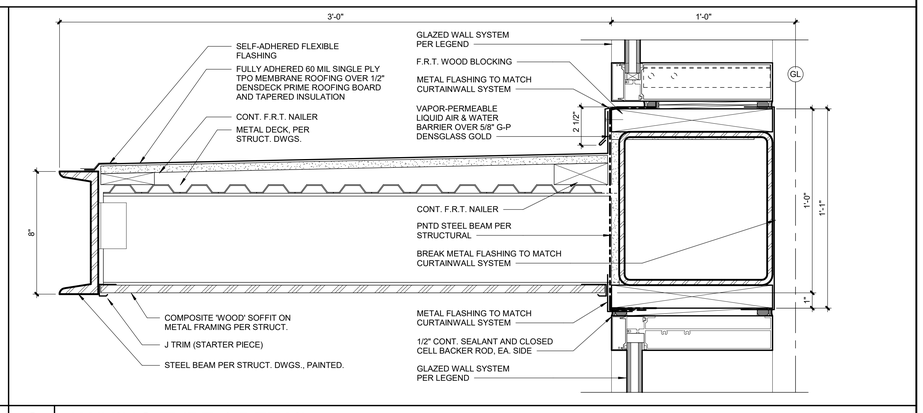

6 AWNING TYPE 1 DETAIL

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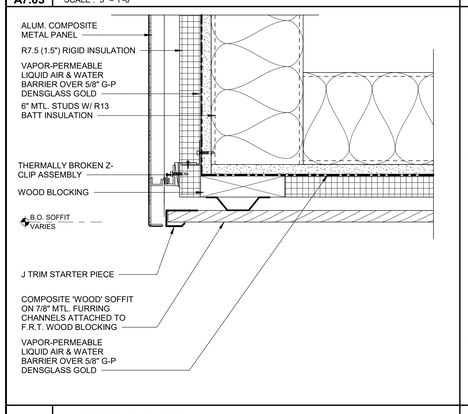

13 SOFFIT DETAIL

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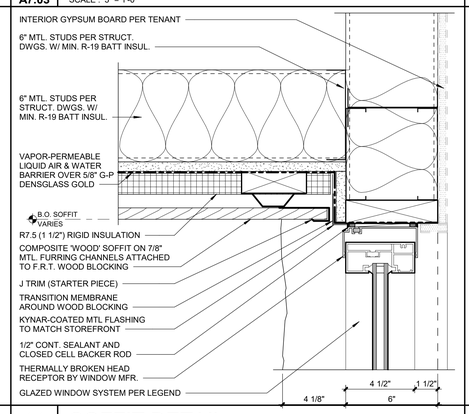

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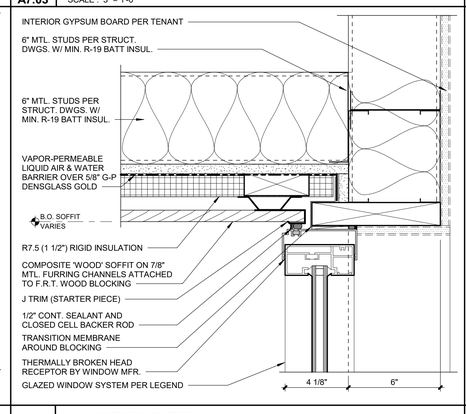

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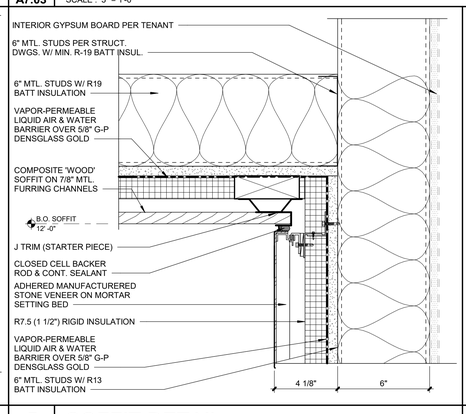

5 SOFFIT DETAIL

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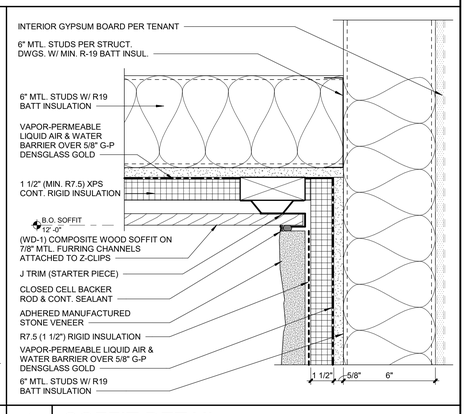

1 SOFFIT DETAIL

A7.03 SCALE : 3" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

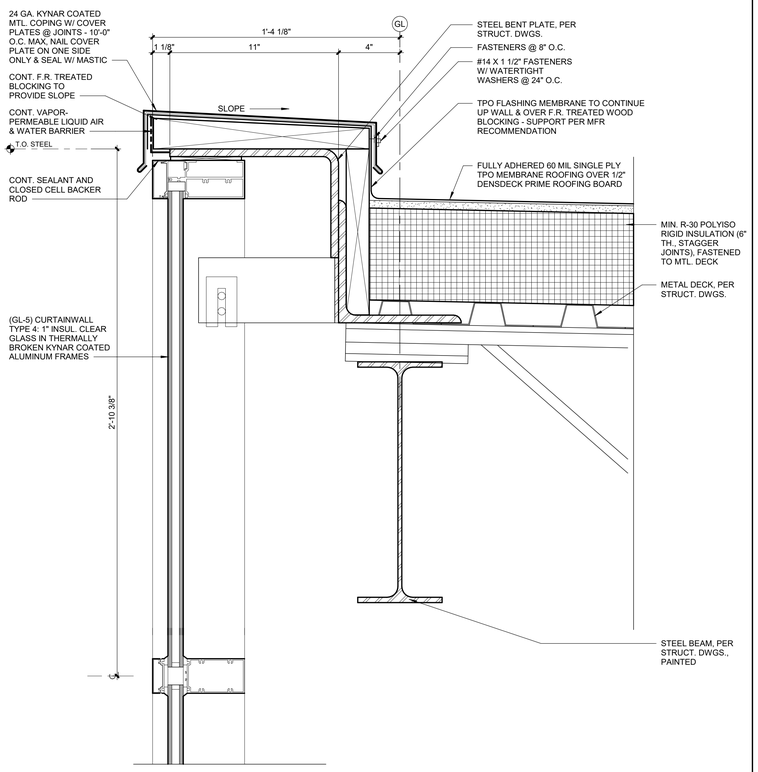
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

DETAILS

SHEET NUMBER

A7.03



6 ROOF DETAIL

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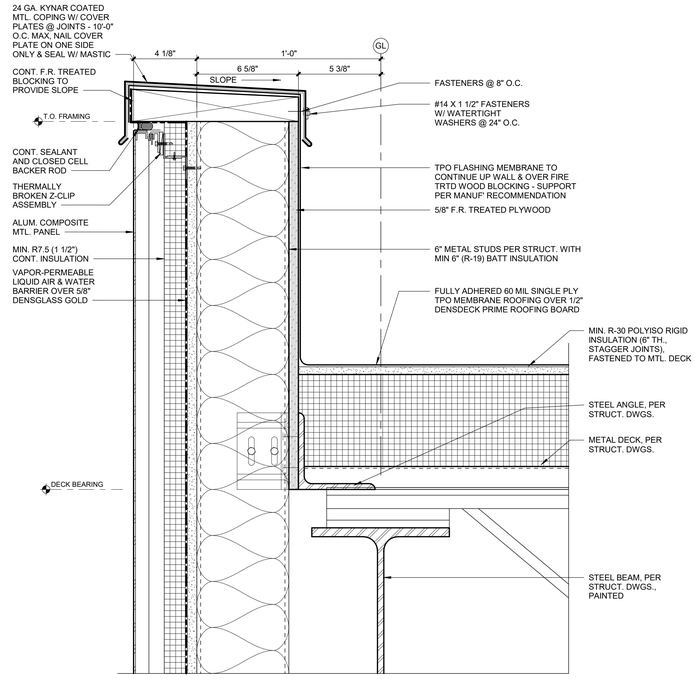

4 DETAIL

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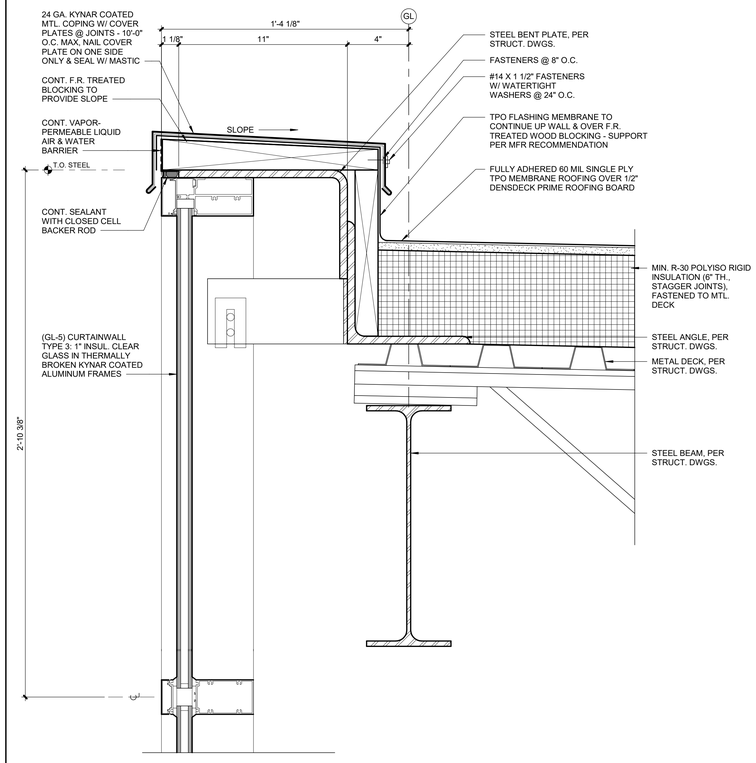

2 ROOF DETAIL

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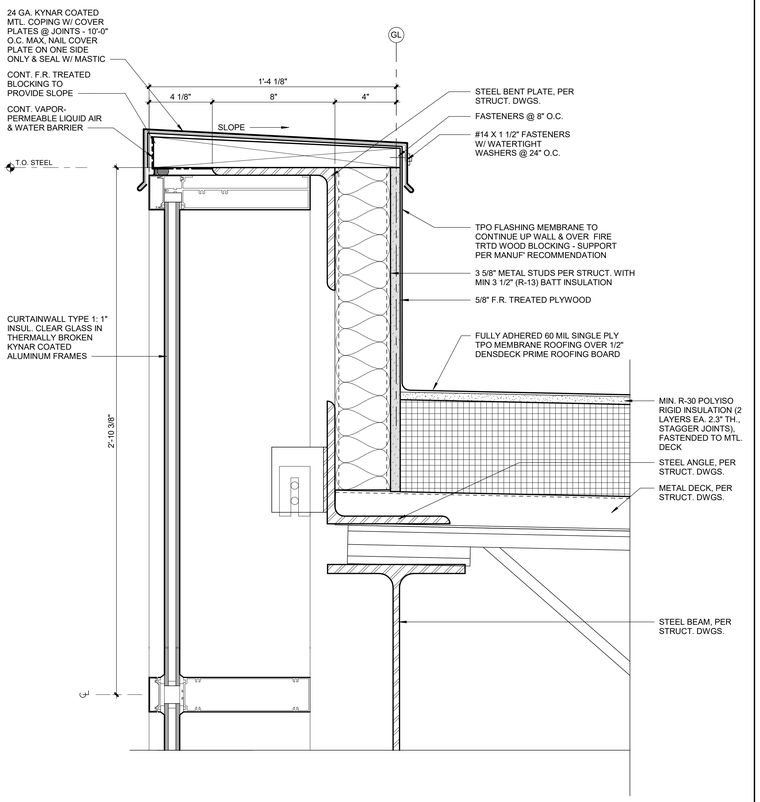

5 ROOF EDGE DETAIL - CLERESTORY

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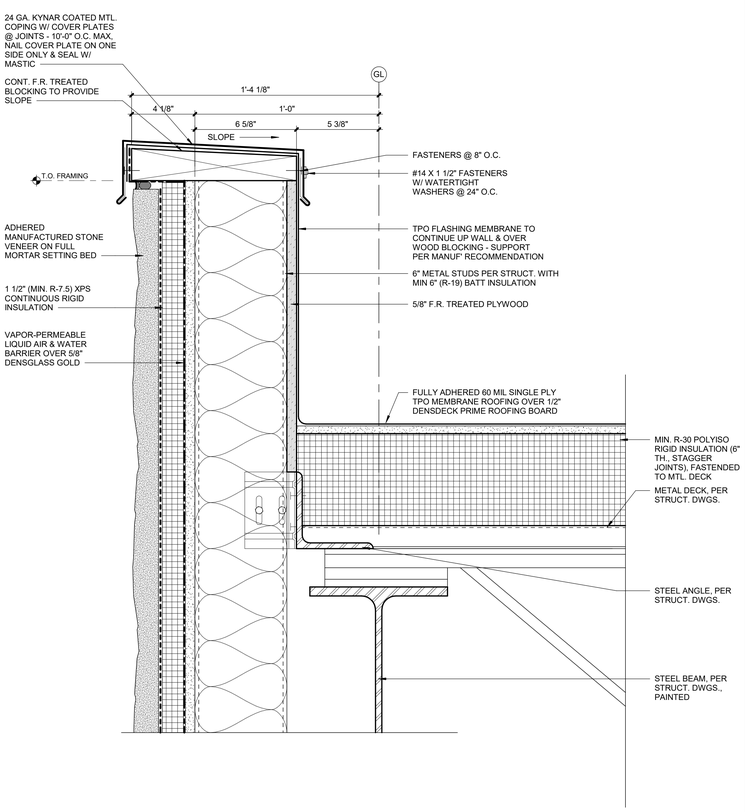

3 ROOF DETAIL

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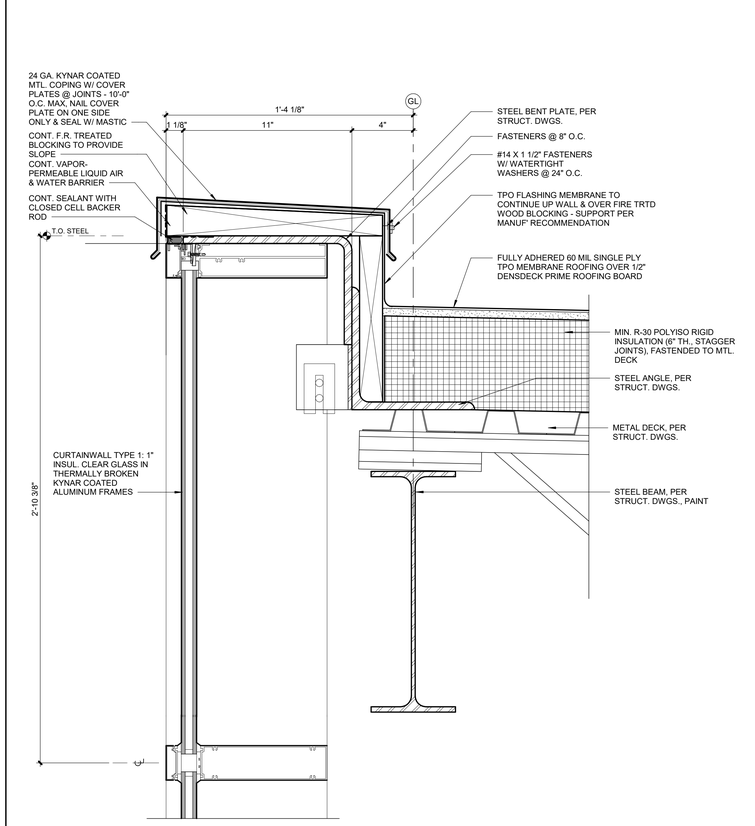

1 ROOF DETAIL

A7.04 SCALE : 3" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
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STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

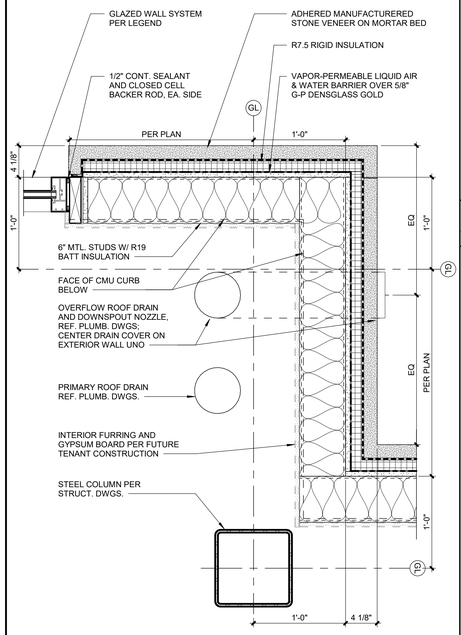
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

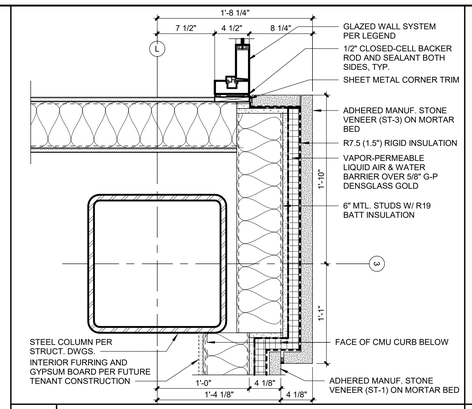
DETAILS

SHEET NUMBER

A7.04



19 PLAN DETAIL
A7.10 SCALE : 1 1/2" = 1'-0"



16 PLAN DETAIL
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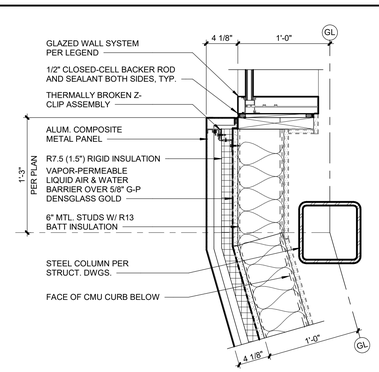
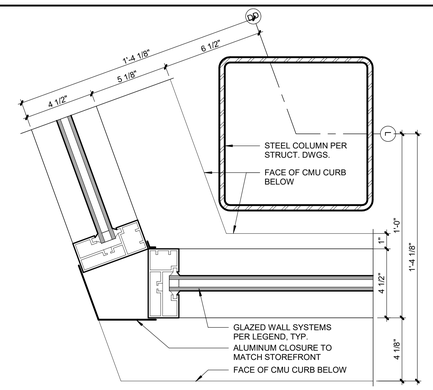
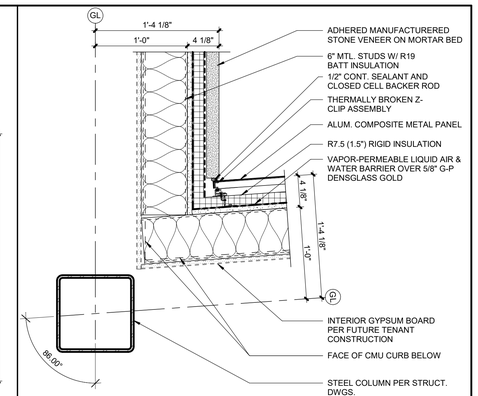


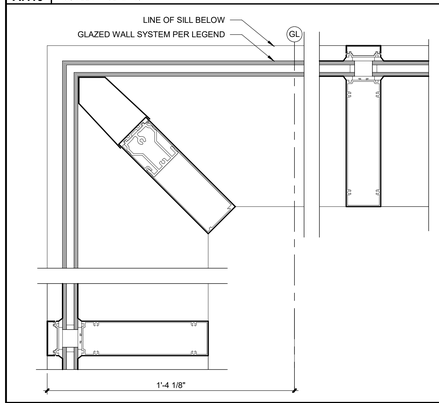
12 PLAN DETAIL
A7.10 SCALE : 1 1/2" = 1'-0"



8 PLAN DETAIL
A7.10 SCALE : 3" = 1'-0"



4 PLAN DETAIL
A7.10 SCALE : 1 1/2" = 1'-0"



18 PLAN DETAIL
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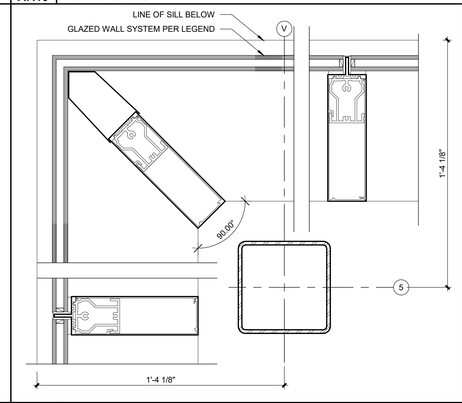
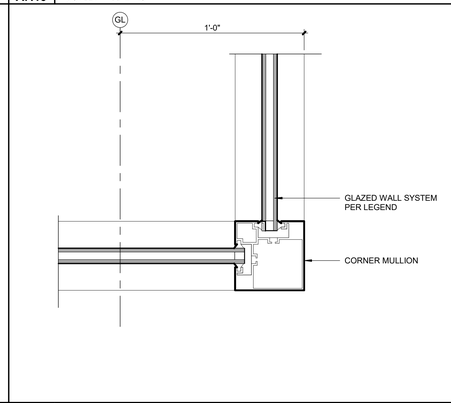
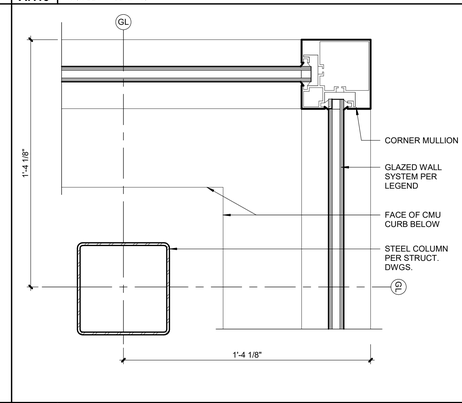


14 PLAN DETAIL
A7.10 SCALE : 3" = 1'-0"



10 PLAN DETAIL
A7.10 SCALE : 3" = 1'-0"



6 PLAN DETAIL
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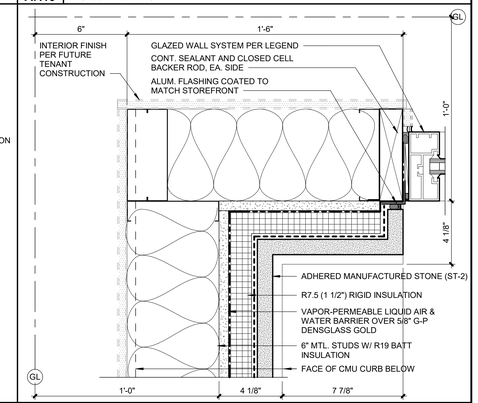

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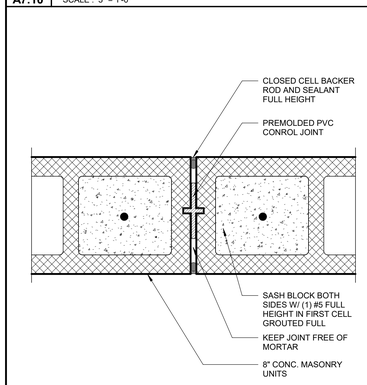

17 CONTROL JOINT
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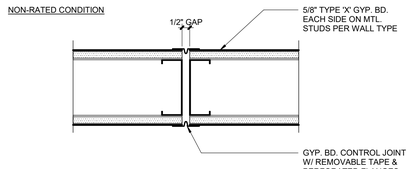

13 CONTROL JOINT
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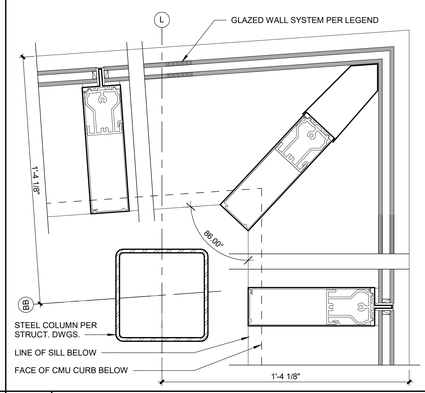

9 PLAN DETAIL
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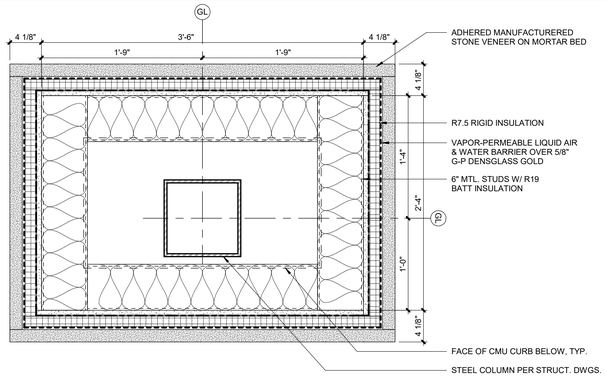

1 PLAN DETAIL
A7.10 SCALE : 1 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

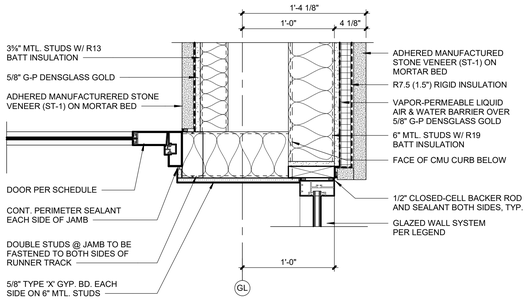
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

PLAN DETAILS

SHEET NUMBER

A7.10



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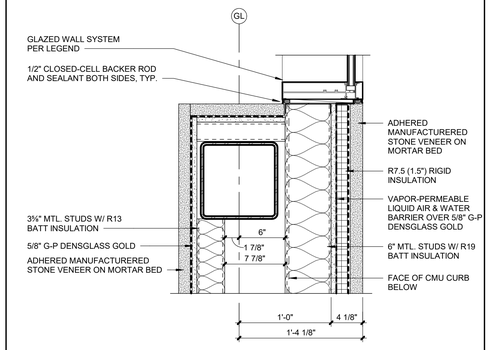

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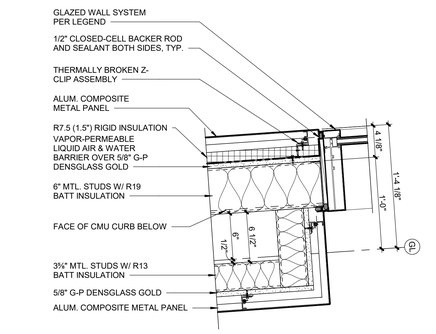

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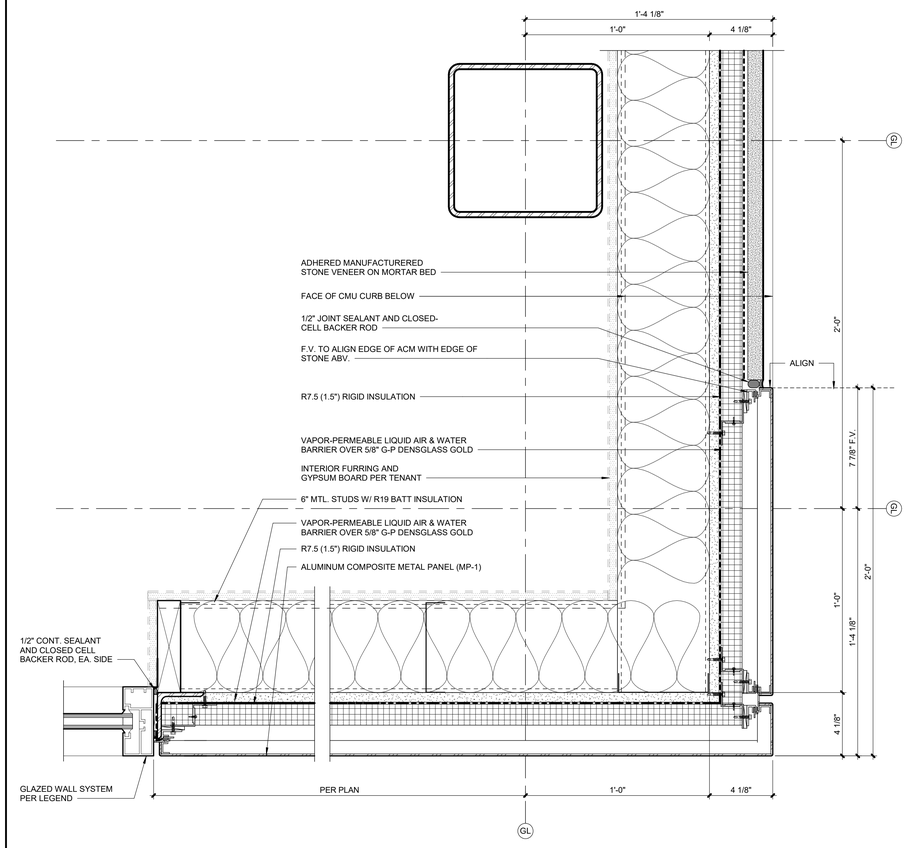

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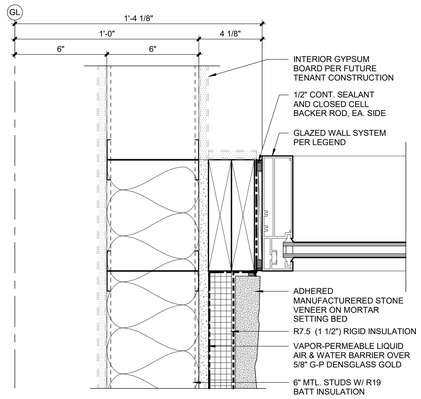

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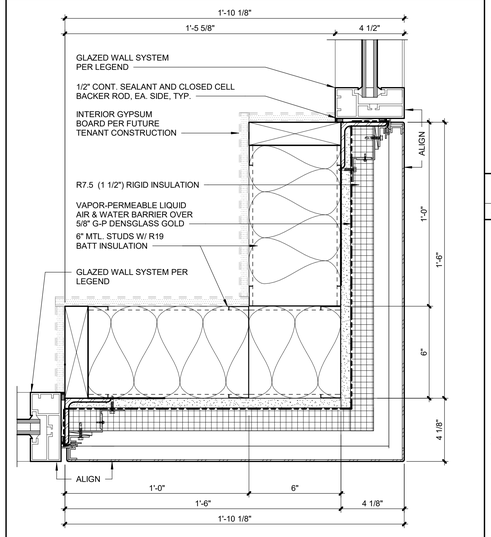

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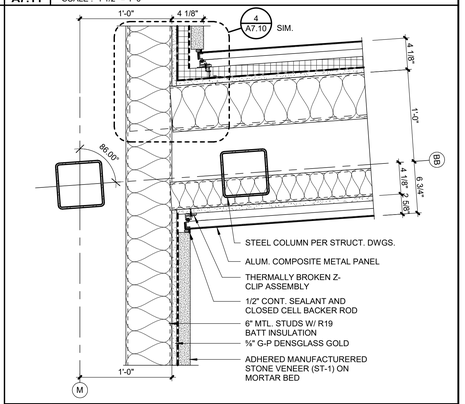

3 PLAN DETAIL
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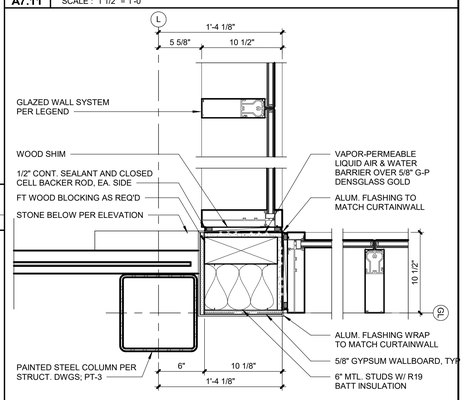

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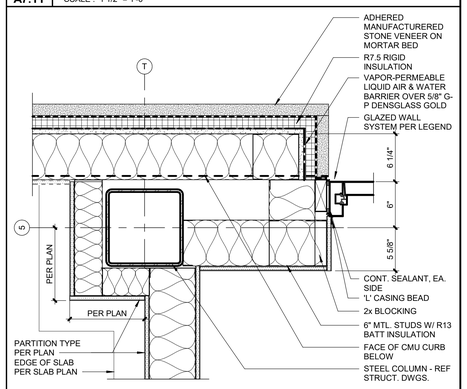

1 PLAN DETAIL
A7.11 SCALE : 1 1/2" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

NOT FOR CONSTRUCTION

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

PLAN DETAILS

SHEET NUMBER

A7.11

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

HARDWARE SETS

GENERAL NOTES:

1. ALL HARDWARE SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
2. ALL DOOR HARDWARE SHALL BE FINISH US26D OR EQUIVALENT.
3. ALL LATCHSETS AND LOCKSETS SHALL BE EQUIPPED WITH LEVER TYPE OPERATING TRIM W/ THE "CLUTCH" FEATURE.
4. ALL CLOSERS SHALL BE LOCATED ON ROOMS SIDES OF DOORS.
5. CONTRACTOR'S HARDWARE CONSULTANT SHALL BE RESPONSIBLE FOR DETERMINING APPROPRIATE HARDWARE FUNCTION AND OPTIONS.
6. CONTRACTOR SHALL COORDINATE FINAL KEYING WITH OWNER.

(LA) INTERIOR LATCHSETS

SET # 10 (INTERIOR SINGLE W/ LATCH)
- HINGES
- PANIC HARDWARE
- SURFACE CLOSER
- KICKPLATE
- WALL STOP
- SILENCERS

(LK) INTERIOR LOCKSETS

SET # 11 (INTERIOR SINGLE W/ LOCK & CLOSER)
- HINGES
- STOREROOM LOCK
- SURFACE CLOSER
- KICKPLATE
- FLOOR STOP
- SILENCERS

SET # 12 (INTERIOR SINGLE W/ LOCK)
- HINGES
- STOREROOM LOCK
- KICKPLATE
- WALL STOP
- SILENCERS

SET # 14 (INTERIOR SINGLE RESTROOM)
- HINGES
- WIRELESS ELECTRONIC LOCK
- SURFACE CLOSER
- KICK PLATE

SET # 15 (INTERIOR SINGLE TOILET PARTITION)
- HINGES
- SPRING HINGE
- CYLINDER TURN DEAD LOCK
- MORTISE CYLINDER COIN TURN
- LONG DOOR PULL
- WALL STOP
- SILENCERS

- ECTOR (FAIL SECURE)
- PUSH TO EXIT DEVICE
- BATTERY BACKUP FOR MAGNETIC LOCK, CARD READER & PUSH TO EXIT

(AL) ALUMINUM DOORS

SET # 1 (EXTERIOR PAIR ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- POWER TRANSFER
- ELECTRIC PANIC
- CYLINDER HOUSING
- FSIC CORE
- LONG DOOR PULL
- CLOSER
- RAIN DRIP
- DOOR SWEEP
- THRESHOLD
- CONTROLLER
- DOOR CONTACT
- POWER SUPPLY
- WEATHERSTRIP

SET # 2 (EXTERIOR PAIR ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- BOLT
- DEADLOCK
- MORTISE CYLINDER
- THUMBTURN CYLINDER
- FSIC CORE
- LONG DOOR PULL
- SURFACE CLOSERS
- RAIN DRIP
- DOOR SWEEP
- MEETING STILE
- THRESHOLD
- SIGN
- LOCK STATUS INDICATOR
- WEATHERSTRIP

SET # 3 (EXTERIOR SINGLE ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- DEADLOCK
- MORTISE CYLINDER
- FSIC CORE
- THUMBTURN CYLINDER
- LONG DOOR PULL
- SURFACE CLOSER
- RAIN DRIP
- DOOR SWEEP
- THRESHOLD
- LOCK STATUS INDICATOR
- SIGN
- WEATHERSTRIP

SET # 4 (EXTERIOR SINGLE ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- LONG DOOR PULL
- SURFACE CLOSER
- RAIN DRIP
- DOOR SWEEP
- THRESHOLD
- WEATHERSTRIP

SET # 5 (EXTERIOR PAIR ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- BOLT
- DEADLOCK
- THUMBTURN CYLINDER
- FSIC CORE
- LONG DOOR PULL
- SURFACE CLOSERS
- RAIN DRIP
- DOOR SWEEP
- MEETING STILE
- THRESHOLD
- SIGN
- LOCK STATUS INDICATOR
- WEATHERSTRIP

SET # 6 (EXTERIOR SINGLE ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- DEADLOCK
- MORTISE CYLINDER
- FSIC CORE
- THUMBTURN CYLINDER
- LONG DOOR PULL
- SURFACE CLOSER
- RAIN DRIP
- DOOR SWEEP
- THRESHOLD
- LOCK STATUS INDICATOR
- SIGN
- WEATHERSTRIP

SET # 7 (EXTERIOR SINGLE STAIR ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- ELEC PANIC HARDWARE
- LONG DOOR PULL
- SURFACE CLOSER
- RAIN DRIP
- DOOR SWEEP
- THRESHOLD
- CONTROLLER
- DOOR CONTACT
- POWER SUPPLY
- WEATHERSTRIP

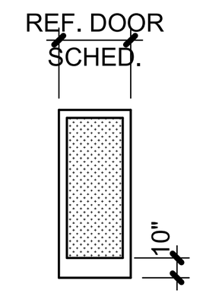
SET # 9 (EXTERIOR SINGLE ALUMINUM - FIRE RISER)
- HINGES (CONT. HEAVY DUTY)
- STOREROOM LOCK
- SURFACE CLOSER
- RAIN DRIP
- DOOR SWEEP
- THRESHOLD
- WEATHERSTRIP

(EL) EXTERIOR LOCKSETS

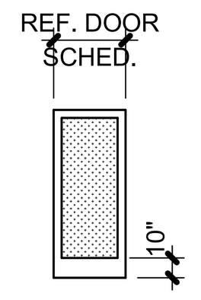
SET # 8 (EXTERIOR SINGLE ELECTRICAL ROOM W/ LOCK)
- HINGES
- PANIC HARDWARE
- FSIC CORE
- CYLINDER HOUSING
- SURFACE CLOSER
- KICK PLATE
- GASKETING
- RAIN DRIP
- THRESHOLD
- WEATHERSTRIP
- BOTTOM SWEEP

DOOR TYPES

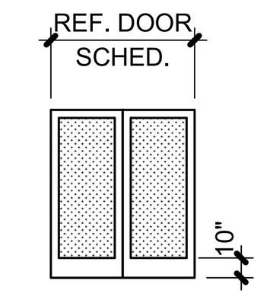
ALL HM DOORS TO BE FACTORY PRIMED. SPRAY PAINT ALL COMPONENTS.



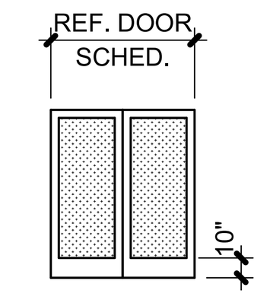
KAWNEER MED. STILE ALUM. DOOR (PERMACOAT SMOKE GRAY) W/ 1" PREFINISHED TEMPERED CLEAR GLASS
(A1)



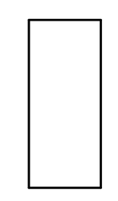
KAWNEER MED. STILE ALUM. DOOR (PERMACOAT SMOKE GRAY) W/ 1/4" PREFINISHED TEMPERED CLEAR GLASS
(A2)

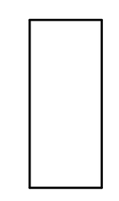


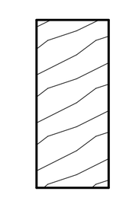
KAWNEER MED. STILE ALUM. DOOR (PERMACOAT SMOKE GRAY) W/ 1" PREFINISHED TEMPERED CLEAR GLASS
(A3)

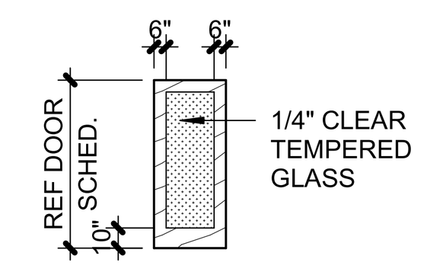


KAWNEER MED. STILE ALUM. DOOR (PERMACOAT SMOKE GRAY) W/ 1/4" PREFINISHED TEMPERED CLEAR GLASS
(A4)


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, EPT-2)
(H1)


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, EPT-2)
(H2)

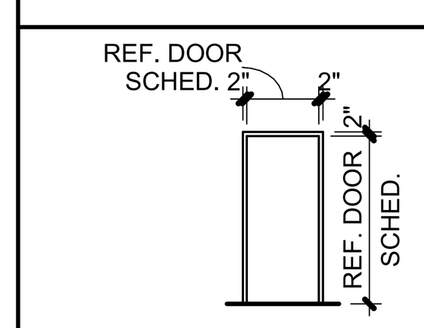

SOLID CORE FLUSH WOOD DOOR, LAM-1 VENEER PER FINISH LEGEND
(W1)



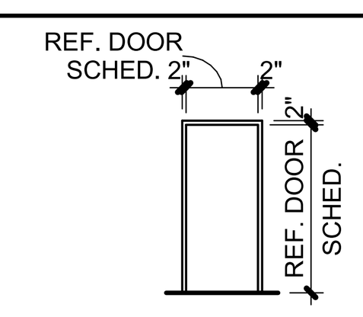
SOLID CORE FLUSH WOOD DOOR W/ FULL GLASS LITE; LAM-1 VENEER PER FINISH LEGEND
(W2)

FRAME TYPES

ALL HM FRAMES TO BE FACTORY PRIMED. SPRAY PAINT ALL COMPONENTS.



14 GA. GALV. WELDED HOLLOW METAL FRAMES, FINISH TO BE SPRAYED W/ 2 COATS SEMI-GLOSS ACRYLIC LATEX PAINT
(1)



16 GA. WELDED HOLLOW METAL FRAMES, FINISH TO BE SPRAYED W/ 2 COATS SEMI-GLOSS ACRYLIC LATEX PAINT
(2)

STOREFRONT / CURTAINWALL FRAMES PER MANUFACTURER; REF INTERIOR AND EXTERIOR ELEVATIONS
(3)

FRY REGLET FRAMLESS STANDARD DUTY MINIMALIST DOOR SYSTEM PER MANUF. DETAILS
(4)

DOOR AND FRAME SCHEDULE

NO.	DOOR SIZE W.	DOOR SIZE H.	DOOR SIZE Th.	DOOR TYPE	DOOR MAT.	FRAME TYPE	FRAME MAT.	RATING	DETAILS JAMB	DETAILS HEAD	DETAILS SILL	HARDWARE	REMARKS
100.A	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	1	
100.B	6' - 0"	8' - 0"	1 3/4"	A4	ALUM	3	ALUM.	--	9/A7.11	MFR.	-	2	
103.A	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	1&5/A7.11	7&15/A7.03	1/A8.02	8	
104.A	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	1&5/A7.11	7&15/A7.03	1/A8.02	8	
105.A	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	1&5/A7.11	7&15/A7.03	1/A8.02	10	
106.A	3' - 0"	8' - 0"	1 3/4"	H1	HM	1	HM	--	3/A8.02	4/A8.02	1/A8.02	9	
107.A	3' - 0"	8' - 0"	1 3/4"	H1	HM	1	HM	--	3/A8.02	4/A8.02	1/A8.02	9	
108.A	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	12&14/A7.10	12/A7.02	1/A8.02	3	
108.B	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	6/A7.02	12/A7.02	1/A8.02	3	
108.C	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	8&16/A7.03	1/A8.02	4	
108.D	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	2/A7.02	4/A7.02	1/A8.02	3	
108.E	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	2/A7.02	4/A7.02	1/A8.02	3	
108.F	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	8&16/A7.03	1/A8.02	4	
108.G	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	8&16/A7.03	1/A8.02	4	
108.H	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	6	
108.I	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
108.J	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
108.K	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
108.L	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
108.M	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
108.N	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
109.A	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	8&16/A7.03	1/A8.02	4	
109.B	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	8&16/A7.03	1/A8.02	4	
109.C	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	2/A7.02	4/A7.02	1/A8.02	3	
109.D	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	8&16/A7.03	1/A8.02	4	
109.E	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	2/A7.02	4/A7.02	1/A8.02	3	
109.F	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	3/A8.02	4/A8.02	1/A8.02	7	
109.G	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
109.H	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
109.I	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	2/A7.02	4/A7.02	1/A8.02	7	
109.J	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	2/A7.02	4/A7.02	1/A8.02	7	
109.K	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	7	
109.L	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	6	
109.M	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	6/A7.02	11/A7.03	1/A8.02	3	
203.A	3' - 0"	7' - 0"	1 3/4"	W2	WOOD	2	HM	--	10/A8.02	11/A8.02	-	11	
204.A	3' - 0"	7' - 0"	1 3/4"	W2	WOOD	2	HM	--	10/A8.02	11/A8.02	-	11	
205.A	3' - 0"	8' - 0"	1 3/4"	W1	WOOD	2	HM	--	10/A8.02	11/A8.02	-	14	
205.B	2' - 8"	8' - 0"	1 3/4"	W3	WOOD	4	ALUM.	--	MFR.	MFR.	-	15	
205.C	2' - 8"	8' - 0"	1 3/4"	W3	WOOD	4	ALUM.	--	MFR.	MFR.	-	15	
205.D	2' - 8"	8' - 0"	1 3/4"	W3	WOOD	4	ALUM.	--	MFR.	MFR.	-	15	
205.E	2' - 8"	8' - 0"	1 3/4"	W3	WOOD	4	ALUM.	--	MFR.	MFR.	-	15	
205.F	3' - 0"	8' - 0"	1 3/4"	W3	WOOD	4	ALUM.	--	MFR.	MFR.	-	15	
206.A	3' - 0"	8' - 0"	1 3/4"	W1	WOOD	2	HM	--	10/A8.02	11/A8.02	-	14	
206.B	2' - 8"	8' - 0"	1 3/4"	W3	WOOD	4	ALUM.	--	MFR.	MFR.	-	15	
206.C	2' - 8"	8' - 0"	1 3/4"	W3	WOOD	4	ALUM.	--	MFR.	MFR.	-	15	
206.D	3' - 0"	8' - 0"	1 3/4"	W3	WOOD	4	ALUM.	--	MFR.	MFR.	-	15	
207.A	3' - 0"	8' - 0"	1 3/4"	W1	WOOD	2	HM	--	5/A8.02	6/A8.02	-	12	
208.A	3' - 0"	8' - 0"	1 3/4"	W1	WOOD	2	HM	--	5/A8.02	6/A8.02	-	16	
209.A	3' - 0"	8' - 0"	1 3/4"	W1	WOOD	2	HM	--	5/A8.02	6/A8.02	-	12	
210.A	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	14/A7.11	12/A7.03	4/A3.04	3	
210.B	3' - 0"	8' - 0"	1 3/4"	A1	ALUM	3	ALUM.	--	14/A7.11	12/A7.03	4/A3.04	5	
210.C	6' - 0"	8' - 0"	1 3/4"	A3	ALUM	3	ALUM.	--	14/A7.11	12/A7.03	4/A3.04	3	

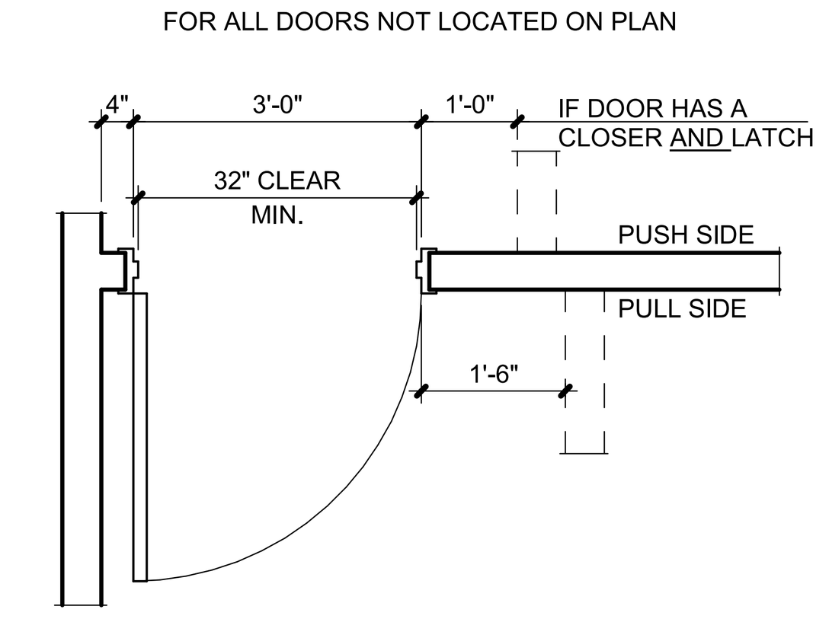
REMARKS

(1) PROVIDE APPROVED ENTRANCE AND EGRESS ACCESS CONTROL SYSTEM, LISTED IN ACCORDANCE WITH UL 294 AND INSTALLED IN COMPLIANCE WITH CRITERIA 1 THROUGH 6 IN SECTION 1008.1.9.8 OF IBC 2018

(2) PROVIDE 16" X 34" KICK PLATE

DOOR LOCATION PLAN

FOR ALL DOORS NOT LOCATED ON PLAN



MATERIAL LEGEND

GL	-	GLASS
HM	-	HOLLOW METAL
WD	-	WOOD
STL	-	STEEL
AL	-	ALUMINUM
MFR	-	PER MANUFACTURER
POLY	-	POLYETHYLENE
P	-	POLYCARBONATE

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

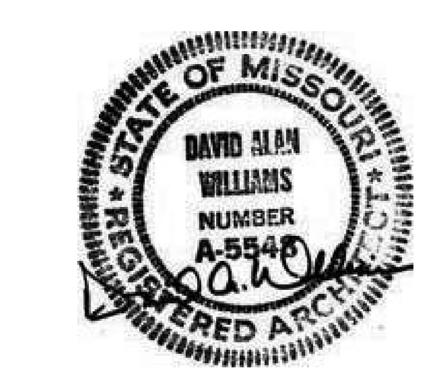
PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION



PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

DOOR SCHEDULE AND DETAILS

SHEET NUMBER

A8.01

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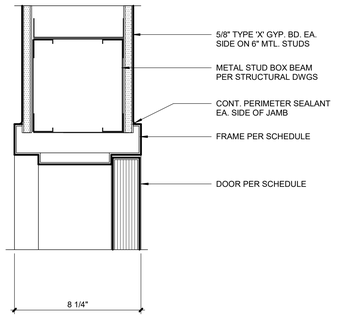
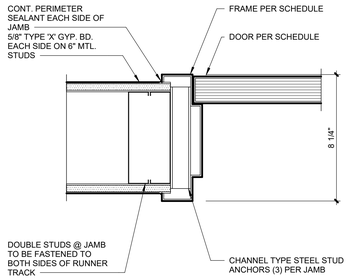
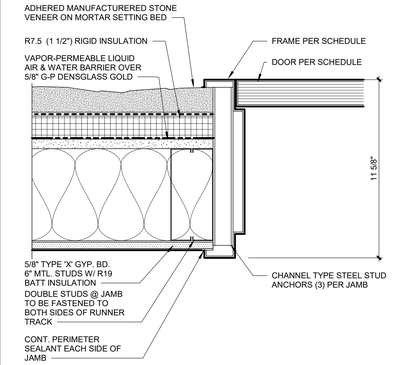


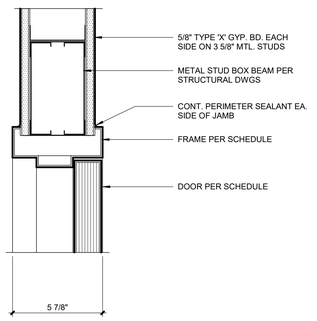
8 DOOR HEAD DETAIL
A8.02 SCALE : 3" = 1'-0"



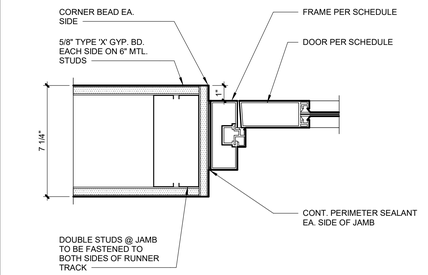
7 DOOR JAMB DETAIL
A8.02 SCALE : 3" = 1'-0"



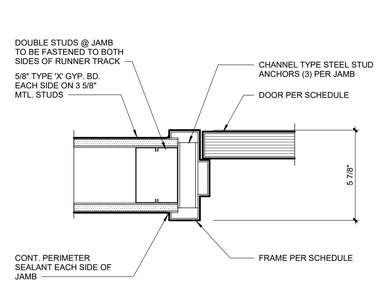
3 DOOR JAMB DETAIL
A8.02 SCALE : 3" = 1'-0"



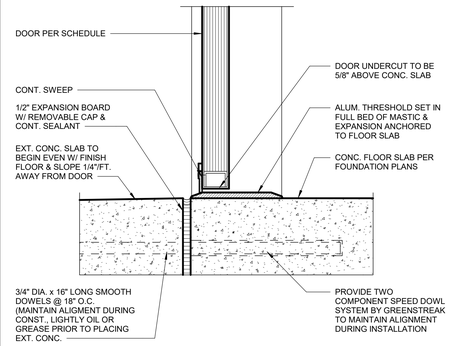
6 DOOR HEAD DETAIL
A8.02 SCALE : 3" = 1'-0"



2 DOOR JAMB DETAIL
A8.02 SCALE : 3" = 1'-0"



5 DOOR JAMB DETAIL
A8.02 SCALE : 3" = 1'-0"



1 SILL DETAIL
A8.02 SCALE : 3" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

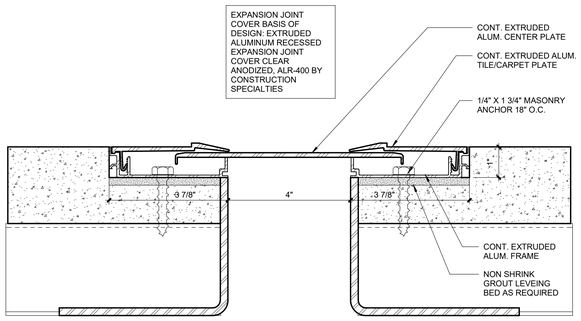
FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

DOOR HEAD, JAMB, & SILL DETAILS

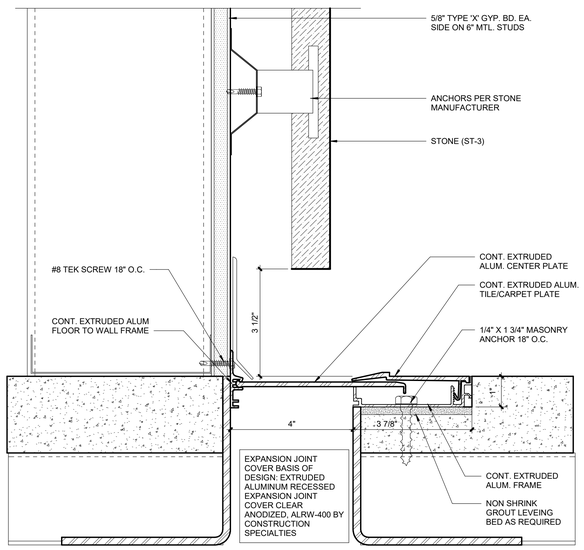
SHEET NUMBER

A8.02



3 EXP. JOINT FLOOR TO FLOOR

A8.10 SCALE : 6" = 1'-0"



2 EXP. JOINT FLOOR TO WALL

A8.10 SCALE : 6" = 1'-0"

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ROOM FINISH LEGEND

FLOOR FINISHES

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

FTL: PORCELAIN / CERAMIC TILE W/ 1/8" MAX. GROUT JOINTS W/ SILICONE SEALER. PROVIDE CRACK BRIDGING MEMBRANE OVER ALL CONTROL JOINTS & COLD JOINTS IN SLAB

- **FTL-1:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL, SIZE: 24"x48" 92669R, STRAIGHT LAY PATTERN, INSTALL PER TCNA AND MANUFACTURER'S GUIDELINES
- **FTL-2:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL, SIZE: 12"x24" BULLNOSE GRADINO STAIR TREAD 70669R
- **FTL-3:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL, SIZE: 8"x47" STAIR RISER 82669R
- **FTL-4:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATRUAL, SIZE: 12"x24" 82669R

CON: CONCRETE

- **CON-1**: EXPOSED CONCRETE STEM WALL SEALED W/ ASHFORD FORMULA SEALER WITH METZGER/MCGUIRE RE 88 SEMI-RIGID POLYUREA OR EQUAL FLOOR JOINT FILLER.
- **CON-2**: CONCRETE FLOOR W/ ASHFORD FORMULA SEALER WITH METZGER/MCGUIRE RE 88 SEMI-RIGID POLYUREA OR EQUAL FLOOR JOINT FILLER.

CP: CONCRETE ROOF PAVER SYSTEM

- **CP-1**: 24"x24"x2" THICK CONCRETE ROOF PAVER; MANUFACTURER: TBD

WOOD: TONGUE AND GROOVE PLANK

- **WDP-1:** 1X6 CLASS A FINISH WALNUT (FLAT CUT) TONGUE AND GROOVE PLANK WITH CLEAR TOP COAT

BASE FINISHES

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

RB: .125" THERMOPLASTIC RUBBER RESILIENT WALL BASE

- **RB-1:** MFR: ROPPE, SIZE: 4", COLOR: 123 CHARCOAL

TB: 4" TILE BASE TO COORD. WITH FLOOR TILE

- **TB-1:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NAT. RETT., SIZE: 4"x24"

WALL FINISHES

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

PT: ACRYLIC LATEX COATING - 2 FINISH COATS OVER PRIMER

- **PT-1:** SHERWIN WILLIAMS, ORIGAMI WHITE, SW7636, EGGSHELL LATEX COATING
- **PT-2:** SHERWIN WILLIAMS, MODERN GRAY, SW7632, EGGSHELL LATEX COATING
- **PT-3:** SHERWIN WILLIAMS, IRON ORE, SW7069, EGGSHELL LATEX COATING

EPT: POLYAMIDE EPOXY COATING - 2 FINISH COATS OVER PRIMER

- **EPT-1:** SHERWIN WILLIAMS, ORIGAMI WHITE, SW7636, SEMI-GLOSS EPOXY COATING
- **EPT-2:** SHERWIN WILLIAMS, MODERN GRAY, SW7632, SEMI-GLOSS EPOXY COATING

WTL: PORCELAIN/CERAMIC TILE W 1/8" MAX GROUT JOINTS

- **WTL-1:** MFR: STONE PEAK, COLOR: WHITE PLANE HONED USH3030087, SIZE: 30"x30", STRAIGHT STACK PATTERN, INSTALL PER TCNA AND MANUFACTURER'S GUIDELINES, GROUT: MATCH TILE

ST: NATURAL STONE. RE EXTERIOR FINISH LEGEND

- **ST-1:** MATCH EXTERIOR ST-1
- **ST-2:** MATCH EXTERIOR ST-2
- **ST-3:** MATCH EXTERIOR ST-3
- **ST-6:** 2CM BLUE PEARL QUARTZ, SEAMS PER ELEVATIONS

MP: METAL PANEL. RE EXTERIOR FINISH LEGEND

- **MP-1:** MATCH EXTERIOR MP-1

GL: INTERIOR GLASS SYTEMS

- **GL-8:** CLEAR GLASS RAILING SYSTEM PER STAIR DETAILS

CASEWORK FINISHES

LAM: PLASTIC LAMINATE

- **LAM-1:** MFR: WILSONART, COLOR: WALNUT HEIGHTS 7965K-12 (SOFT GRAIN FINISH) 1/10" COMPACT LAMINATE
- **LAM-3:** MFR: WILSONART, COLOR: CRYSTAL D388-60 (MATTE FINISH)

CEILING FINISHES

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

SAT: ACOUSTICAL CEILING TILE IN SUSPENDED GRID

- **SAT-1:** SIZE: 24" X 24", MFR: ARMSTRONG, STYLE: ULTIMA (WHITE) SQUARE TEGULAR, GRID: 9/16" SUPRAFINE XL - WHITE.
- **SAT-2:** SIZE: 24" X 96", MFR: ARMSTRONG, STYLE: OPTIMA (WHITE) SQUARE TEGULAR, GRID: 9/16" SUPRAFINE XL - WHITE.

GB: GYPSUM WALLBOARD W/ FLAT FINISH ACRYLIC LATEX PAINT - 2 FINISH COATS OVER PRIMER

- **GB-1:** SHERWIN WILLIAMS SW 7007 "CEILING BRIGHT WHITE"
- **GB-2:** SHERWIN WILLIAMS SW7632 "MODERN GRAY"

EXP: EXPOSED CEILING WITH PAINTED DECK AND STRUCTURE TO MATCH GB-2 UNO

WOOD: TONGUE AND GROOVE PLANK

- **WD-4:** 1X6 CLASS A FINISH WALNUT (FLAT CUT) TONGUE AND GROOVE PLANK WITH CLEAR TOP COAT

GENERAL FINISH NOTES

1. PAINT ALL HOLLOW METAL DOORS AND FRAMES W/ 2 COATS OF SEMI-GLASS, ACRYLIC LATEXT PAINT TO MATCH ADJACENT WALL, U.N.O.
2. PROVIDE THE FOLLOWING TRANSISTION STRIPS AT LOCTIONS WHERE DISSIMLAR FLOOR MATERIALS MEET. ENSURE ALL TRANSITIONS ARE ADA COMPLIANT, 1/2" OR LESS CHANGE IN ELEVATION.
   - CARPET TO PORCELAIN TILE: SCHLUTER-RENO-TK CLEAR ANODIZED ALUM
   - CARPET TO FINISHED CONCRETE: SCHLUTER-RENO-U CLEAR ANODIZED ALUM
   - PORCELAIN TILE TO FINISHED CONCRETE: SCHLUTER-RENO-U CLEAR ANODIZED ALUM
3. ROOM FINISH SCHEDULE IS FOR GENERAL COORDINATION OF FINSHES. REFERENCE ROOM FINISH PLANS, INTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR COODINTATION OF ALL FINAL FINISHES.
4. ALL SOFFITS TO BE PAINTED TO MATCH PT-1 UNLESS NOTED OTHERWISE.
5. PAINT METAL WALL-MOUNTED ACCESS DOORS, GRILLES AND UNFINISHED COVER PLATES TO MATCH ADJACENT WALL SURFACE.
6. PAINT ALL EXPOSED DUCTS, PIPING, AND INTEIROR MECHANICAL EQUIPEMENT TO MATCH ADJACENT SURFACE.

SCHEDULE REMARKS

(1) REF. INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION ON FINISH LOCATIONS.

(2) INTERIOR FINISHES BY FUTURE TENANT.

(3) REF. ELEVATOR TRIM PACKAGE BASIS OF DESIGN ON SHEET A6.04 FOR ADDITIONAL INFORMATION.

(4) REF. EXTERIOR ELEVATIONS FOR ADDITIONAL FINISH LOCATIONS.

(5) RESTROOM PARTITIONS TO BE (LAM-1) PER ELEVATIONS.

(6) PROVIDE FRP TO 8'-0" ON ALL WALLS.

(7) FLOOR FINISH AND STAIR LANDINGS TO BE FTL-1. STAIR TREADS TO BE FTL-2. STAIR RISERS TO BE FTL-3.

(8) ACT SOFFIT IN SECOND LEVEL 'FUTURE TENANT' SPACES PER RCP.

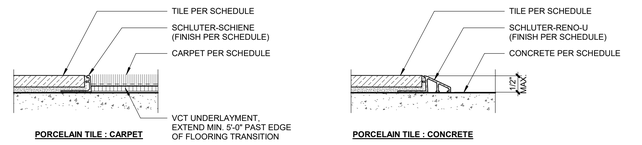
(9) REFERENCE EXTERIOR ELEVATIONS

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLR.	BASE N	BASE E	BASE S	BASE W	WALLS N	WALLS E	WALLS S	WALLS W	CEILING MAT.	CEILING HEIGHT	REMARKS
100	VESTIBULE	FTL-4	TB-1	-	TB-1	TB-1	GL-1	GL-1	PT-1	PT-1	GB-1	12'-0"	(3)
101	LOBBY	FTL-1, FTL-2	TB-1	TB-1	TB-1, ST-2	TB-1	MP-1, ST-1, CON-1	PT-1, CON-1	PT-1, ST-2	PT-1, ST-1	GB-1	VAR	(1)
102	ELEVATOR	FTL-4	-	-	-	-	-	-	-	-	-	-	(3)
103	WEST STAIR FIRST FLOOR	SEE REMARKS	-	TB-1	TB-1	TB-1	PT-1	PT-1	PT-1	PT-1	EXP, GB-2, WD-4	16'-6 1/2"	(7)
104	EAST STAIR FIRST FLOOR	SEE REMARKS	TB-1	TB-1	TB-1	TB-1	PT-1	PT-1	PT-1	PT-1	EXP, GB-2, WD-4	16'-6 1/2"	(7)
105	FIRE RISER ROOM	CON-2	RB-1	RB-1	RB-1	RB-1	EPT-1	EPT-1	EPT-1	EPT-1	EXP	-	
106	ELECTRICAL	CON-2	RB-1	RB-1	RB-1	RB-1	EPT-1	EPT-1	EPT-1	EPT-1	EXP	-	(4)
107	ELECTRICAL	CON-2	RB-1	RB-1	RB-1	RB-1	EPT-1	EPT-1	EPT-1	EPT-1	EXP	-	
108	FUTURE TENANTS	-	-	-	-	-	-	-	-	-	EXP	-	(2)
109	FUTURE TENANTS	-	-	-	-	-	-	-	-	-	EXP	-	
201	2ND FLOOR OFFICE LOBBY	FTL-1	RB-1, ST-1	RB-1, ST-2	RB-1, ST-2	RB-1, ST-1	MP-1, ST-1	ST-2, PT-1	PT-1, ST-2	PT-1, ST-1	EXP	-	(1)
202	ELEVATOR	FTL-4	-	-	-	-	-	-	-	-	-	-	(3)
203	WEST STAIR 2ND FLOOR	SEE REMARKS	TB-1	TB-1	TB-1	TB-1	PT-1	PT-1	PT-1	PT-1	EXP/GB-2	12'-0"	(7)
204	EAST STAIR 2ND FLOOR	SEE REMARKS	TB-1	TB-1	TB-1	TB-1	PT-1	PT-1	PT-1	PT-1	EXP/GB-2	12'-0"	(7)
205	WOMEN'S RR	FTL-1	-	-	-	-	PER ELEV	PER ELEV	PER ELEV	PER ELEV	GB-1	VAR	(1) (5)
206	MEN'S RR	FTL-1	-	-	-	-	PER ELEV	PER ELEV	PER ELEV	PER ELEV	GB-1	VAR	(1) (5)
207	JANITOR	CON-2	RB-1	RB-1	RB-1	RB-1	EPT-1	EPT-1	EPT-1	EPT-1	EXP	-	(6)
208	ELECTRICAL	CON-2	RB-1	RB-1	RB-1	RB-1	EPT-1	EPT-1	EPT-1	EPT-1	EXP	-	
209	TELECOM	CON-2	RB-1	RB-1	RB-1	RB-1	EPT-1	EPT-1	EPT-1	EPT-1	EXP	-	
210	FUTURE OFFICE TENANT	-	-	-	-	-	-	-	-	-	EXP, GB-1, ACT-1	VAR	(8)
211	FUTURE TENANTS	-	-	-	-	-	-	-	-	-	EXP, GB-1, ACT-1	VAR	(8)
212	COVERED ROOF DECK	CP-1	-	-	-	-	-	-	-	-	WD-1	14'-0"	(9)

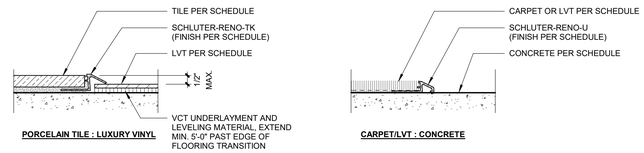
FLOORING TRANSITION DETAILS

ALL TRANSITIONS ARE TO BE ADA COMPLIANT, 1/2" MAXIMUM CHANGE IN ELEVATION



PORCELAIN TILE : CARPET

PORCELAIN TILE : CONCRETE



PORCELAIN TILE : LUXURY VINYL

CARPET/LVT : CONCRETE

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR
- LOT 9 -
BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

FINISH SCHEDULE AND DETAILS

SHEET NUMBER

A8.10

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

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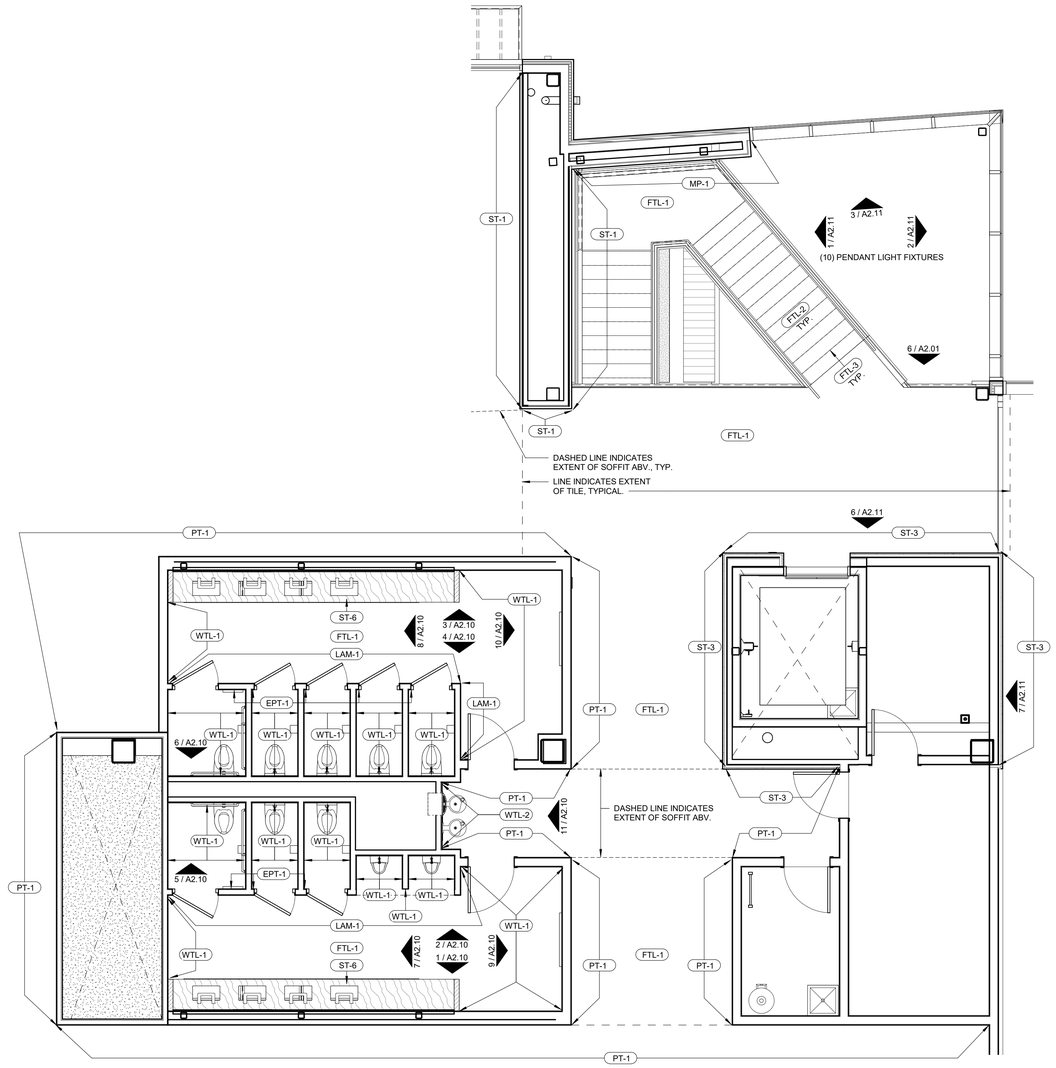
SHEET TITLE

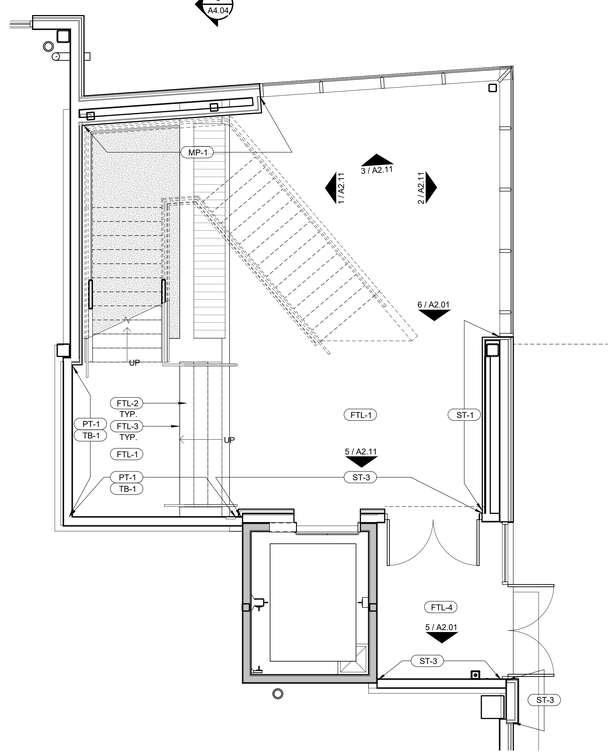
ENLARGED FLOOR FINISH PLANS

SHEET NUMBER

A8.11



2 CORE FINISH PLAN - 2ND FLOOR
A8.11 SCALE : 1/4" = 1'-0"



1 CORE FINISH PLAN - 1ST FLOOR
A8.11 SCALE : 1/4" = 1'-0"

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REFLECTED CEILING PLAN LEGEND

- FLAT FINISH ACRYLIC LATEX PAINT ON GYPSUM WALLBOARD, 2 FINISH COATS OVER PRIMER.
- 2'x2' SUSPENDED ACOUSTICAL CEILING. REFERENCE FINISH SCHEDULE FOR TYPE.
- 2'x4' SUSPENDED ACOUSTICAL CEILING. REFERENCE FINISH SCHEDULE FOR TYPE.
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- WALL SCONCE PER ELECTRICAL DRAWINGS
- SURFACE-MOUNT PER ELECTRICAL DRAWINGS
- LINEAR RECESSED LED AT SOFFIT PER ELECTRICAL DRAWINGS
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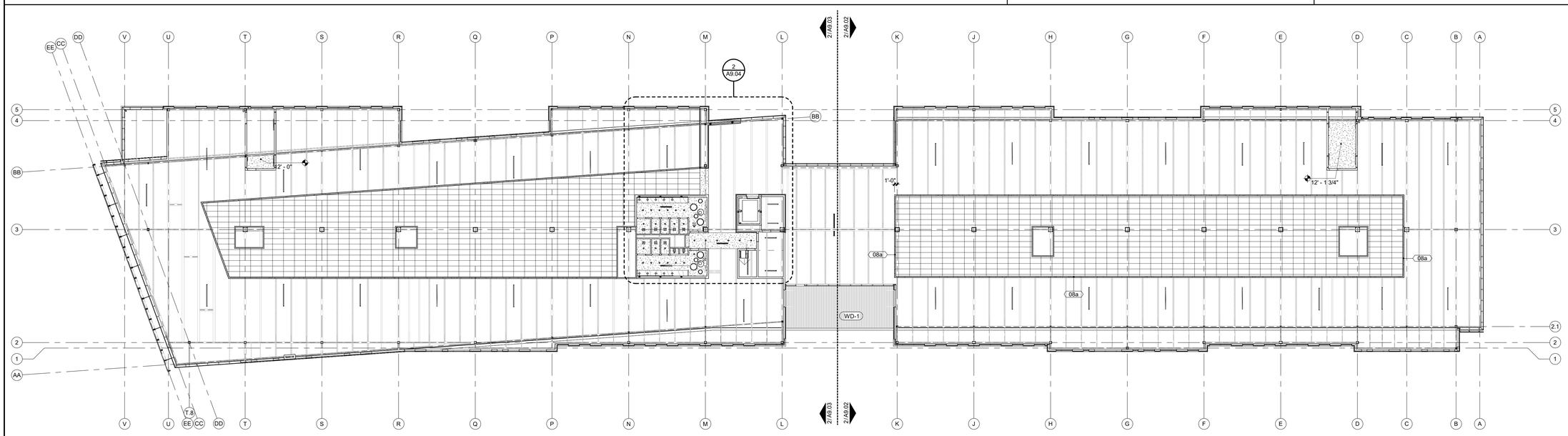
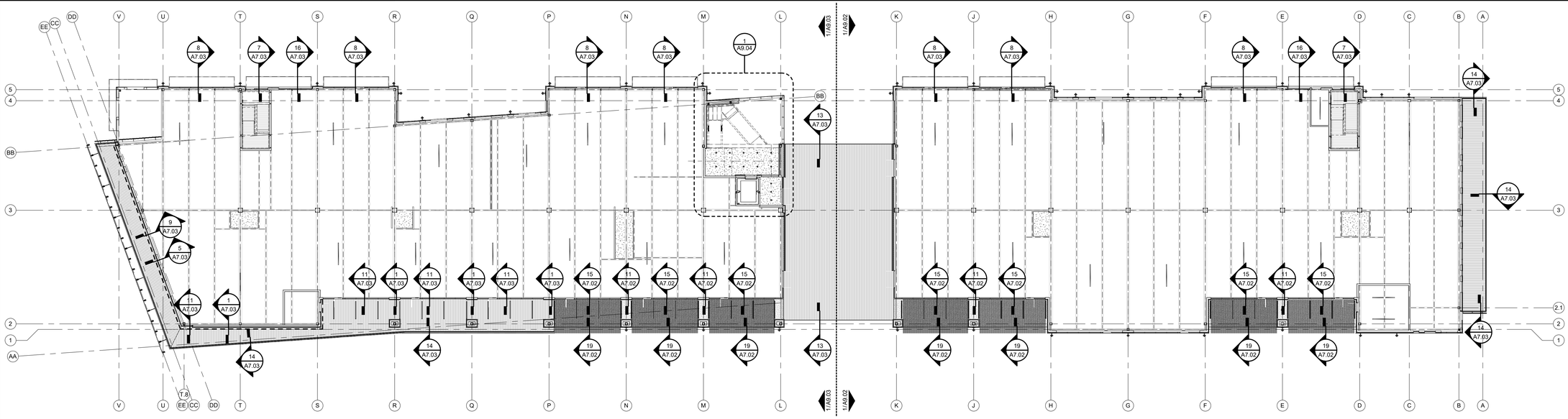
REFLECTED CEILING PLAN GENERAL NOTES

1. SUSPENDED ACOUSTICAL TILE NOTE: NO CEILING EDGE TILE IS TO BE UNDER 6" WIDE. USE MATCHING STYLE 2'X4' CEILING TILE CUT TO THE PERIMETER SIZE AS NEEDED.
2. NO BUILDING ELEMENTS SHALL BE CONNECTED TO OR SUSPENDED FROM DUCTWORK. ALL MATERIALS SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE.
3. FIRE SPRINKLER NOTE: PROVIDE VICTAULIC FLEXIBLE HOSE ASSEMBLIES FOR ALL SUSPENDED ACOUSTICAL TILE CEILINGS. CENTER WHITE SPRINKLERS AND HEADS IN THE 2'x2' OR 2'x4' CEILING TILE.



2 REFLECTED CEILING PLAN - 2ND FLOOR
A9.01 SCALE : 1/16" = 1'-0"



1 REFLECTED CEILING PLAN - 1ST FLOOR
A9.01 SCALE : 1/16" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

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REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

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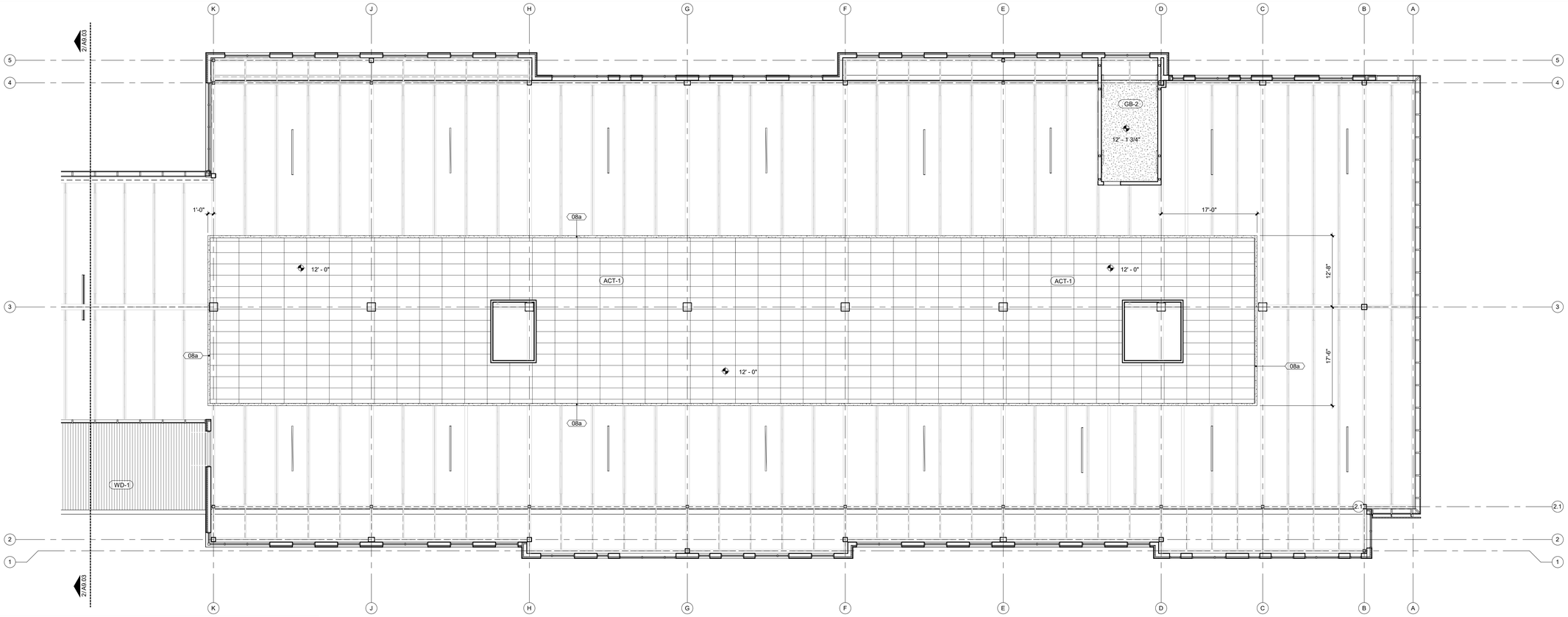
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

REFLECTED CEILING PLANS

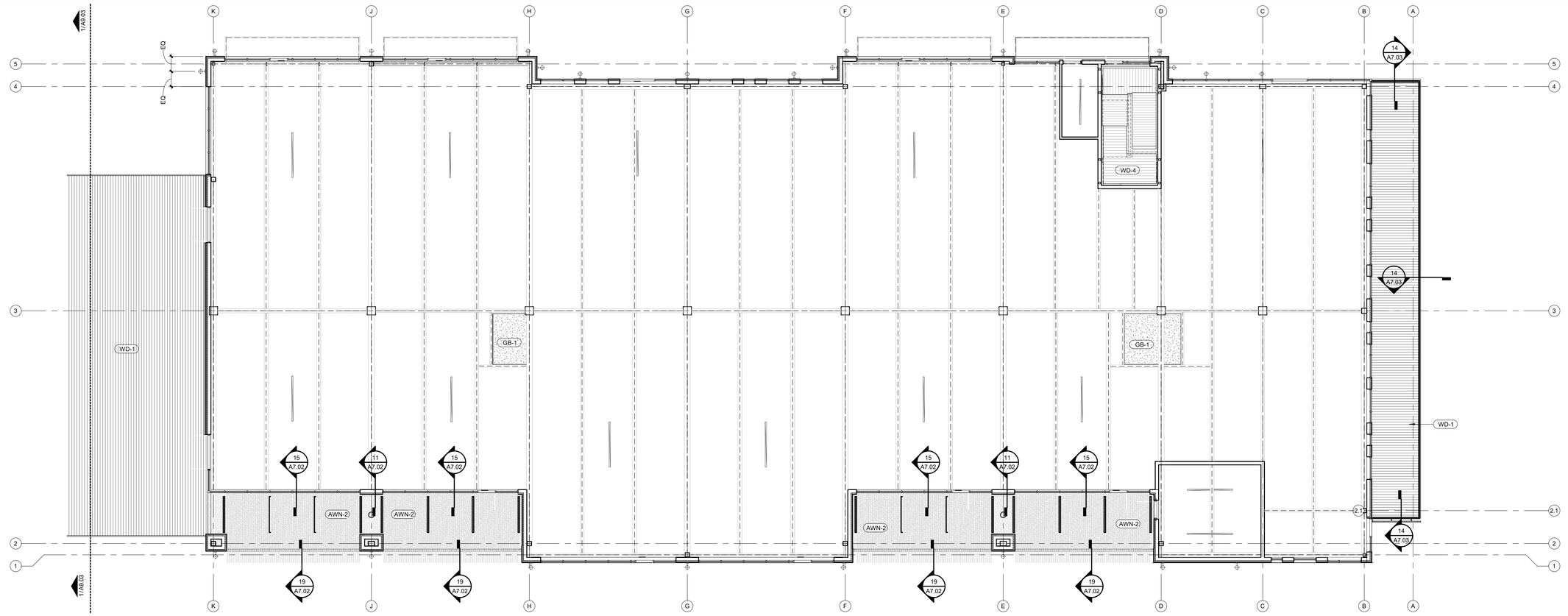
SHEET NUMBER

A9.01



2 RCP - 2ND FLOOR EAST

A9.02 SCALE : 1/8" = 1'-0"



1 RCP - 1ST FLOOR EAST

A9.02 SCALE : 1/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
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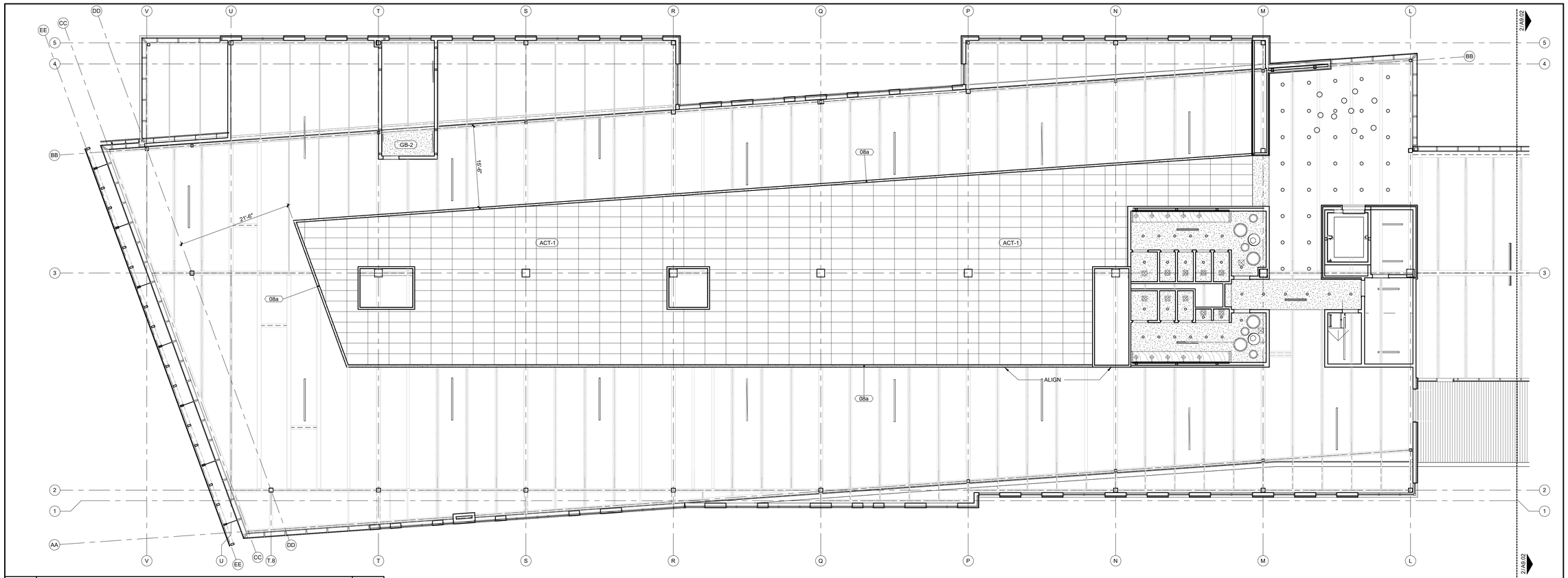
SHEET TITLE

ENLARGED REFELCTED CEILING PLANS

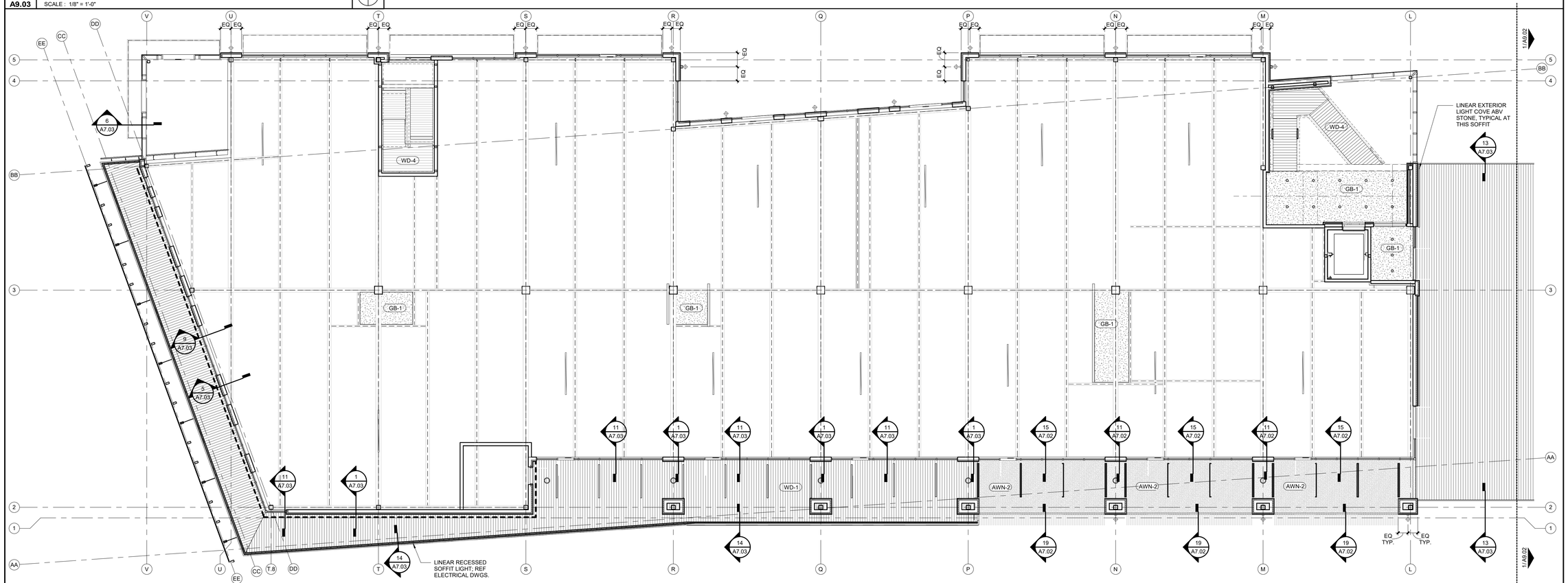
SHEET NUMBER

A9.02



2 REFLECTED CEILING PLAN - 2ND FLOOR

A9.03 SCALE : 1/8" = 1'-0"



1 RCP - 1ST FLOOR WEST

A9.03 SCALE : 1/8" = 1'-0"

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RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
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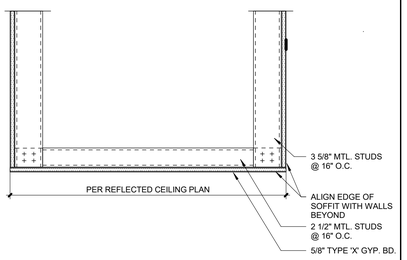
SHEET TITLE

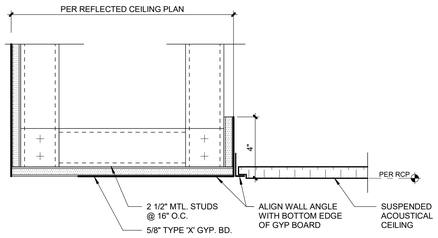
ENLARGED REFLECTED CEILING PLANS

SHEET NUMBER

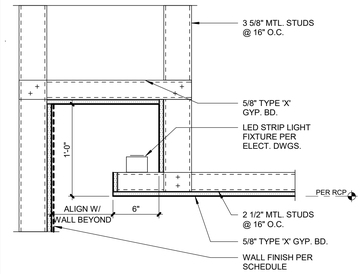
A9.03



5 CEILING DETAIL
A9.04 SCALE : 1 1/2" = 1'-0"



4 CEILING TRANSITION DETAIL
A9.04 SCALE : 3" = 1'-0"



3 CEILING COVE DETAIL
A9.04 SCALE : 1 1/2" = 1'-0"

REFLECTED CEILING PLAN LEGEND

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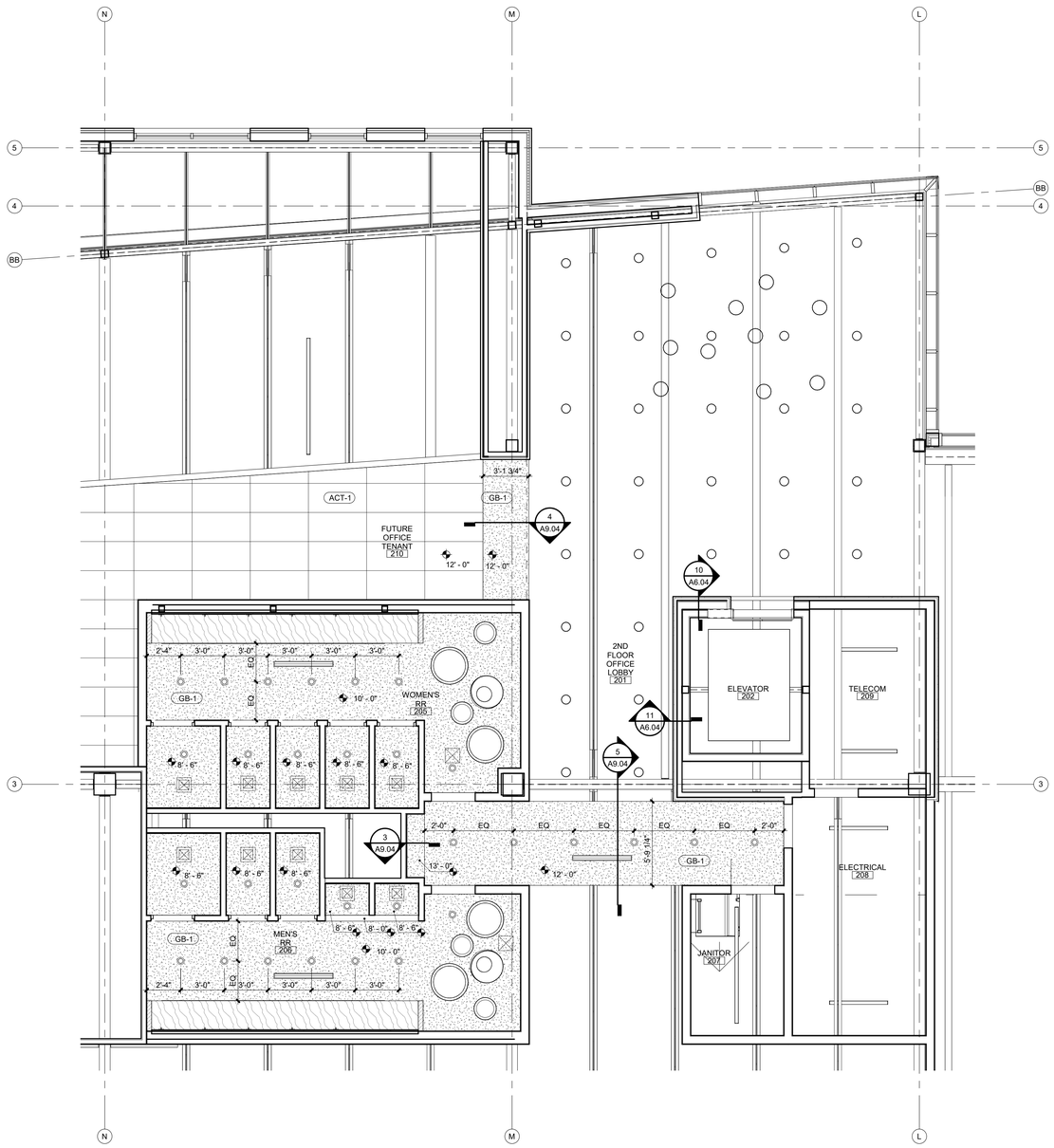
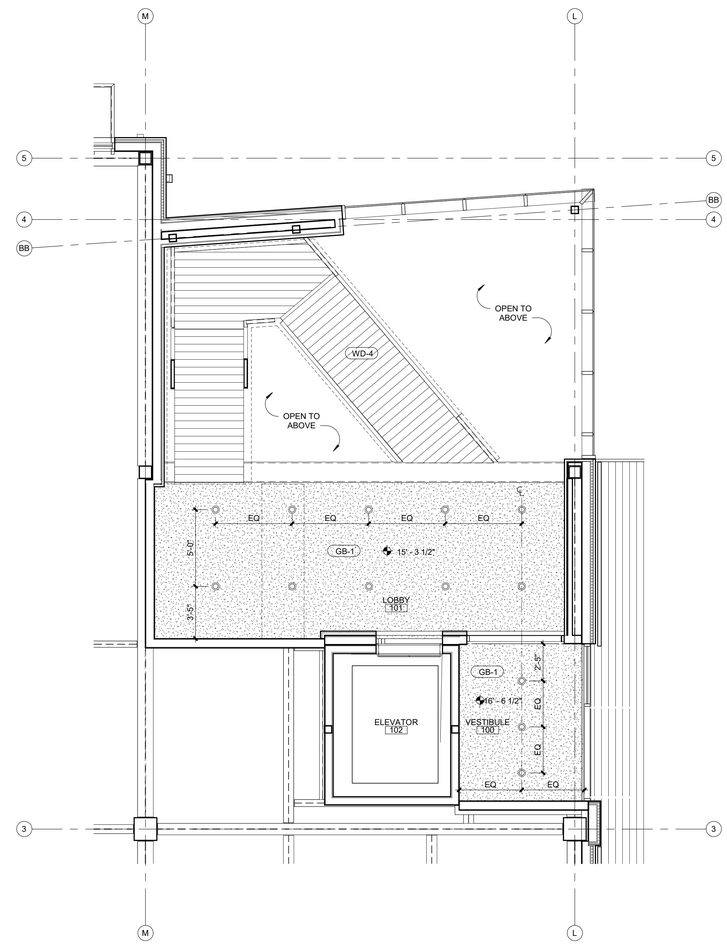


2 ENLARGED RCP - 2ND FLOOR
A9.04 SCALE : 1/4" = 1'-0"



1 ENLARGED RCP - 1ST FLOOR
A9.04 SCALE : 1/4" = 1'-0"

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RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
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DAVID ALAN WILLIAMS
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REGISTERED ARCHITECT

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
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FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
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7007 College Blvd, Suite 415
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913+498-1550

SHEET TITLE

ENLARGED REFLECTED CEILING PLANS

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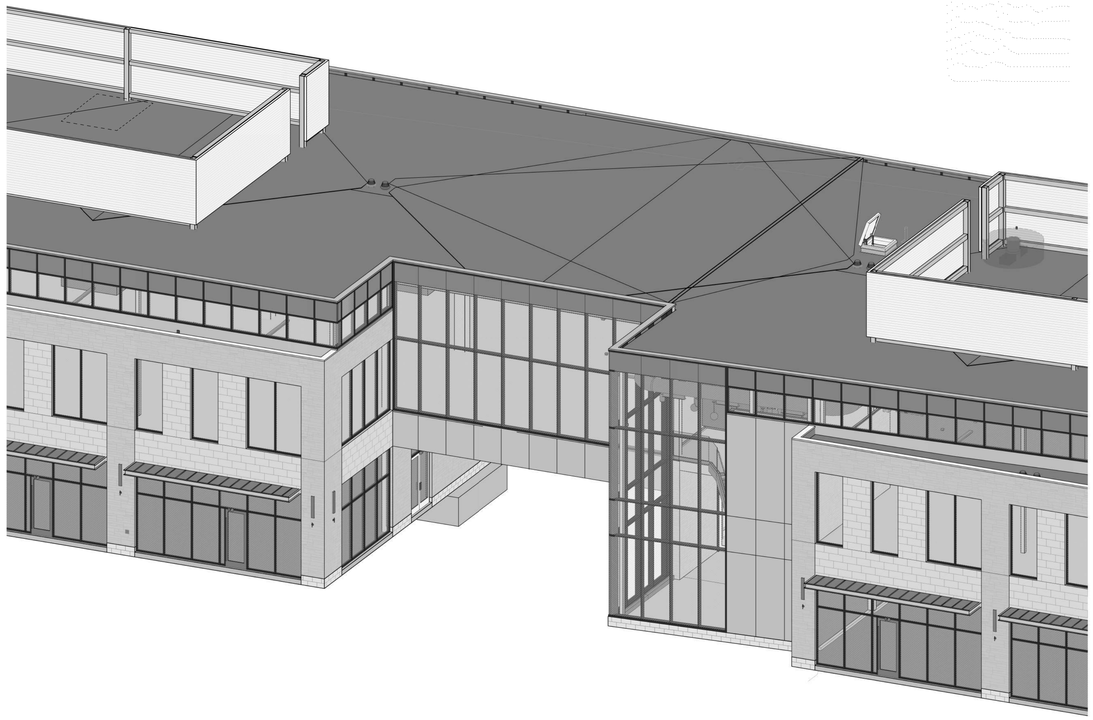
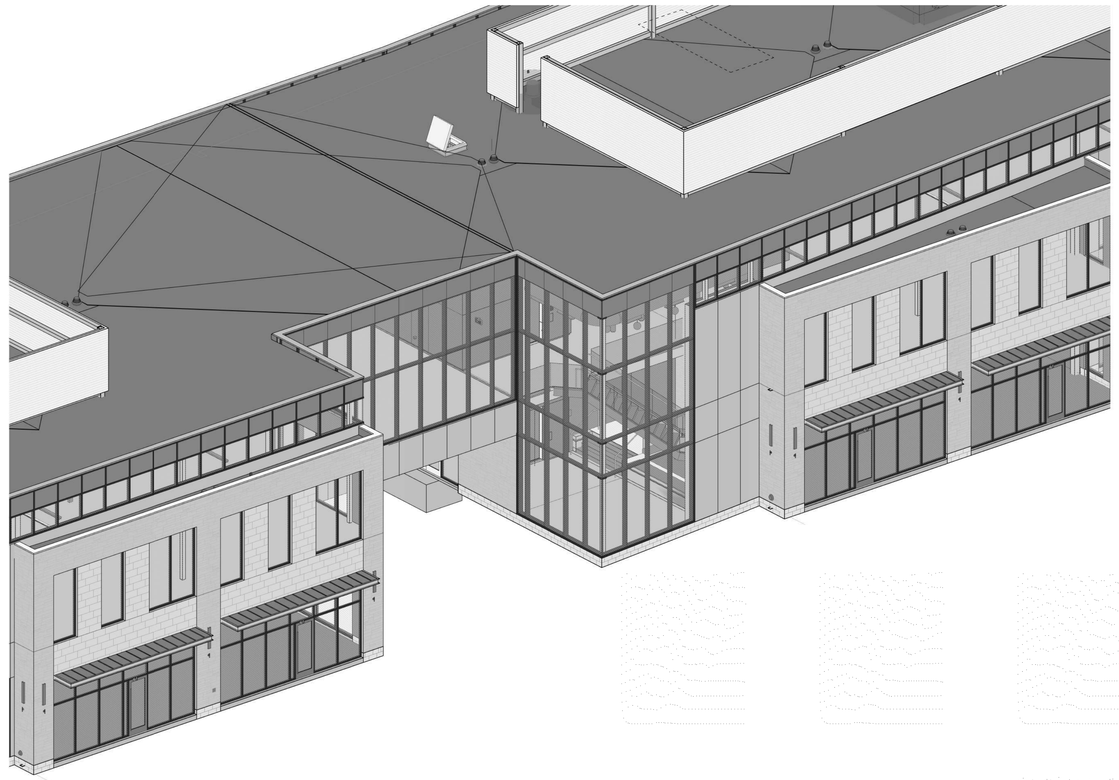
A9.04



1 | 3D AXON 3A
A10.01 | SCALE :



2 | 3D AXON 3B
A10.01 | SCALE :

3 | 3D AXON 4A
A10.01 | SCALE :

4 | 3D AXON 4B
A10.01 | SCALE :

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PARAGON STAR

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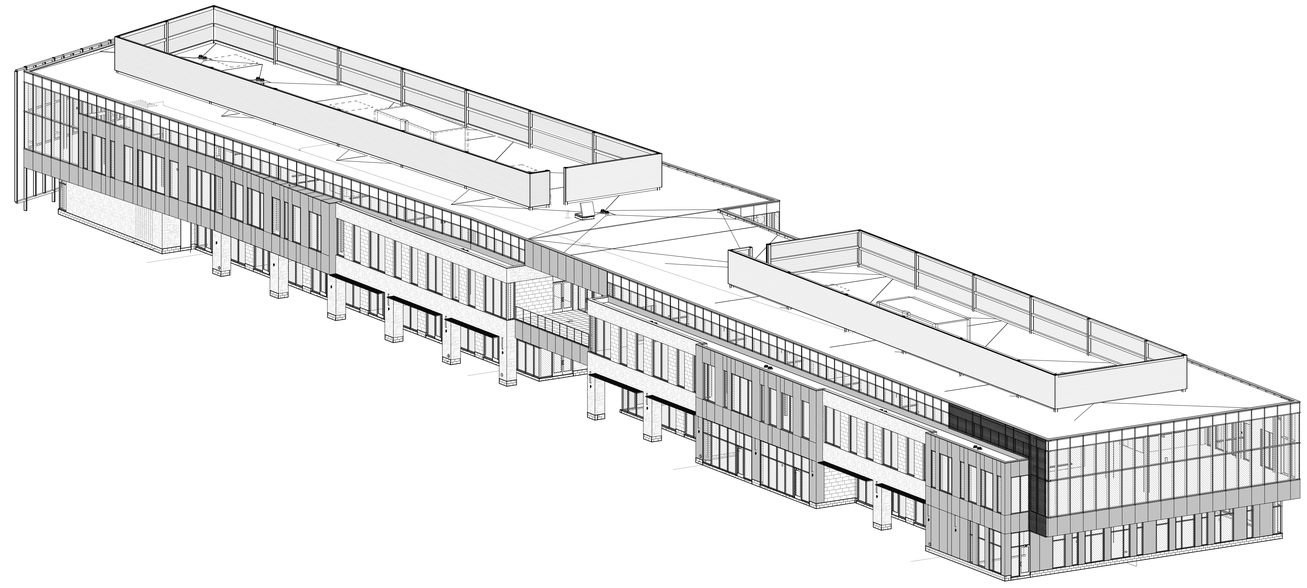
SHEET TITLE

EXTERIOR VIEWS

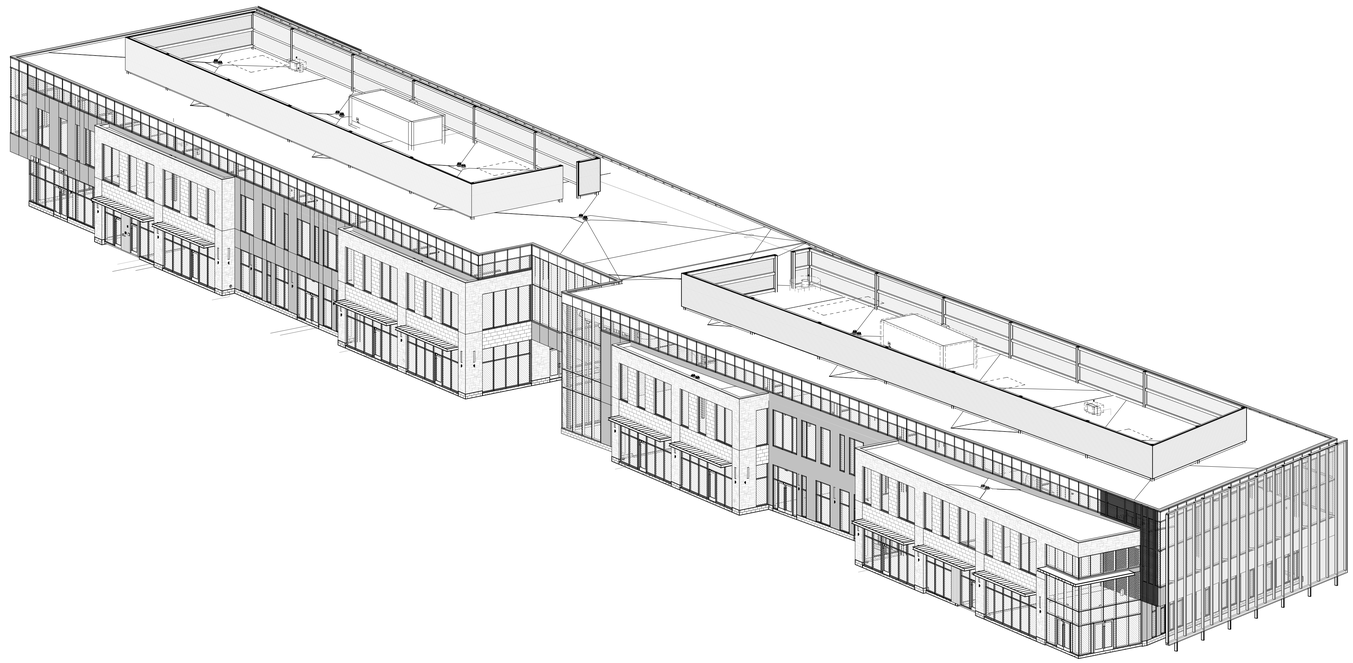
SHEET NUMBER

A10.01



2 | 3D AXON - FROM SOUTHEAST

A10.02 | SCALE :



1 | 3D AXON - FROM NORTHWEST

A10.02 | SCALE :

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06/01/2021

PARAGON STAR

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FIRE PROTECTION	HENDERSON ENGINEERS
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ARCHITECTURE
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913+498-1550

SHEET TITLE

EXTERIOR VIEWS

SHEET NUMBER

A10.02

DIVISION 1 - GENERAL REQUIREMENTS

1. ALTERNATES
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.

2. UNIT PRICES
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.

3. 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.
B. 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.

5. SUBMITTALS
A. 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.
B. PROCESSING TIME:
1. INITIAL REVIEW: MIN. 10 DAYS
2. RESUBMITTAL REVIEW (AS REQUIRED): MIN. 5 DAYS
C. CERTIFICATES AND CERTIFICATIONS SUBMITTALS: INCLUDES SIGNATURE OF ENTITY RESPONSIBLE FOR PREPARING CERTIFICATION [PROVIDE DIGITAL SIGNATURE ON ELECTRONICALLY SUBMITTED CERTIFICATES AND CERTIFICATIONS WHERE INDICATED]
D. DELEGATED-DESIGN SERVICES CERTIFICATION: IN ADDITION TO OTHER REQUIRED SUBMITTALS, SUBMIT DIGITALLY SIGNED PDF ELECTRONIC FILE, SIGNED AND SEALED BY THE RESPONSIBLE DESIGN PROFESSIONAL.
E. BIM INCORPORATION [BY CONTRACTOR] IF REQUIRED BY OWNER.
F. 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 OTHERWISE.

1.10 CLOSEOUT PROCEDURES
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 CONSTRUCTION.
B. PRIOR TO PROJECT COMPLETION, CONTRACTOR SHALL SUBMIT/COMPLETE THE FOLLOWING:
1. 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

A. SUBMITTALS: PRODUCT DATA, SAMPLES, AND SHOP DRAWINGS INDICATING DIMENSIONS, JOINT LOCATIONS, RUSTICATION, EDGE CONDITIONS, EMBED LOCATIONS, AND ANCHORAGE DETAILS.

B. FABRICATOR: A PRODUCING MEMBER OF THE CAST STONE INSTITUTE.

C. CAST STONE UNITS: UNITS SHALL COMPLY WITH ASTM C1364, SHALL RESIST FREEZE-THAW, SLOPE HORIZONTAL SURFACES 1:12 MINIMUM AND SHALL HAVE DRIPS ON PROJECTING ELEMENTS UNLESS NOTED OTHERWISE.

D. COLOR AND TEXTURE: TO BE SELECTED

E. ANCHORS AND DOWELS: TYPE 304 STAINLESS STEEL.

F. MORTAR: TYPE N

G. 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).

H. 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

A. SUBMITTALS: PRODUCT DATA FOR MASONRY UNITS AND ACCESSORIES INCLUDING THREE (3) SAMPLES OF EACH BRICK OR CMU UNIT TO ILLUSTRATE COLOR AND TEXTURE RANGE.

B. MASONRY UNITS: COMPLY WITH ACI 530.1/ASCE 6/TMS 602
1. CONCRETE MASONRY UNITS: ASTM C90, NORMAL WEIGHT WITH SPECIAL SHAPES FOR LINTELS, CORNERS, JAMBS, SASH, CONTROL JOINTS, AND OTHER SPECIAL CONDITIONS. BULLNOSE UNITS FOR OUTSIDE CORNERS, DOOR AND WINDOW JAMBS, AND SILLS, UNLESS OTHERWISE INDICATED.
2. DECORATIVE CONCRETE MASONRY UNITS: ASTM C90 NORMAL WEIGHT WITH INTEGRAL WATER REPELLANT AND SPECIAL SHAPES FOR LINTELS, CORNERS, JAMBS. SASH, CONTROL JOINTS, AND OTHER SPECIAL CONDITIONS. BULLNOSE UNITS FOR OUTSIDE CORNERS, DOOR AND WINDOW JAMBS, AND SILLS, UNLESS OTHERWISE INDICATED.
3. 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.

C. MORTAR AND GROUT:
1. MORTAR: ASTM C 270 PROPORTION SPECIFICATION, TYPE S ABOVE GRADE, TYPE M BELOW GRADE.
2. GROUT: ASTM C 476 WITH A SLUMP OF 8-11 INCHES, 28-DAY COMPRESSIVE STRENGTH OF 2,000 PSI MINIMUM.

D. REINFORCEMENT: SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR SPECIFICATIONS ON REINFORCEMENT.

E. 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.

F. FLASHING: [45 MIL EPDM], [STAINLESS STEEL 0.0156 INCH THICK]

G. ACCESSORIES:
1. COMPRESSIBLE FILLER: PREMOLDED STRIPS ASTM 1056. GRADE 2A1
2. PREFORMED CONTROL JOINTS: SBR OR PVC DESIGNED TO FIT STANDARD SASH BLOCK.
3. WEEP HOLES: 1/4"-3/8"x24" COTTON OR POLYPROPYLENE ROPE.
4. 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 CAVITIES.
6. FIELD-APPLIED CLEAR WATERPROOF SEALER

(UNIT MASONRY CONT.)

H. INSTALLATION:
1. 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 CONCAVE.
2. 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.
3. 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.
I. CLEANING: CLEAN MASONRY AS THE WORK PROGRESSES AND WHEN MORTAR IS THOROUGHLY SET AND CURED, CLEAN WITH A PROPRIETARY CLEANER APPROVED BY BRICK MANUFACTURER TO REMOVE EXCESS MORTAR

044313.16 ADHERED STONE MASONRY VENEER

A. SUBMITTALS:
1. PRODUCT DATA FOR CULTURED STONE PRODUCTS AND ACCESSORIES
2. THREE (3) SAMPLES OF EACH STONE TO ILLUSTRATE COLOR AND TEXTURE RANGE
3. SHOP DRAWINGS DEPICTING PROPER INSTALLATION AND FLASHING

B. WARRANTY:
1. PROVIDE MANUFACTURERS 50-YEAR LIMITED WARRANTY

C. MANUFACTURED STONE VENEER:
BASIS OF DESIGN: CULTURED STONE BY BORAL, 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)
b. BOND BETWEEN MANUFACTURED MASONRY UNIT, MORTAR AND BACKING: NOT LESS THAN 50 PSI (ASTM C177)
c. THERMAL RESISTANCE: R-VALUE NOT LESS THAN 0.355 PER INCH (ASTM C 177)
d. FREEZE/THAW: NO DISINTEGRATION AND < 3% WEIGHT LOSS (ASTM C 67)
e. WATER ABSORPTION: TESTED IN ACCORDANCE WITH UBC 15-5 9-22%
f. UNIT WEIGHT: <15 PSF SATURATED
g. FLAMESPREAD: 25
h. SMOKE DEVELOPMENT: 450
i. UV STABLE - MINERAL OXIDE PIGMENTS
2. CERTIFICATIONS:
a. ICC ES AC 51 ACCEPTANCE CRITERIA FOR MANUFACTURED STONE VENEER
3. ACCESSORIES:
a. INCLUDE MATCHING CORNER PIECES
b. 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.
c. 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.
d. WEEP SCREED: PVC MATERIAL MEETING ASTM D 1784 FOR PVC COMPOUNDS, COLOR SELECTED FROM MFR FULL RANGE.

D. MORTAR AND GROUT:
1. GENERAL: DO NOT USE ADMIXTURES UNLESS OTHERWISE INDICATED.
a. DO NOT USE CALCIUM CHLORIDE
b. USE PORTLAND CEMENT-LIME MORTAR UNLESS OTHERWISE INDICATED.
2. POLIMER/LATEX MODIFIED PORTLAND CEMENT SETTING MORTAR COMPLYING WITH ANSI 118.4, 118.11 OR 118.15 UNLESS OTHERWISE RECOMMENDED BY MFR.

E. EMBEDDED FLASHING MATERIALS
1. 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.
2. FLEXIBLE FLASHING: FOR FLASHING UNEXPOSED TO EXTERIOR USE RUBBERIZED ASPHALT FLASHING NOT LESS THAN .030 INCHES THICK.

F. INSTALLATION:
1. INSTALL PRODUCT IN ACCORDANCE WITH MVMA INSTALLATION GUIDE FOR ADHERED MANUFACTURED STONE VENEER, ASTM C 1780 AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. INSTALL/APPLY RELATED MATERIALS IN ACCORDANCE WITH TYPE OF SUBSTRATE AND MANUFACTURED STONE VENEER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. INSTALL EMBEDDED FLASHING AND WEEP HOLES AT SHELF ANGLES, LINTELS, LEDGES, OTHER OBSTRUCTIONS TO DOWNWARD FLOW OF WATER IN WALL AND WHERE INDICATED.
A. AT STUD FRAMED WALLS, EXTEND FLASHING THROUGH STONE MASONRY, UP SHEATHING FACE AT LEAST 12 INCHES AND BEHIND WEATHER BARRIER.
B.
4. INSTALLATION OF ADHERED STONE MASONRY VENEER
A. INSTALL NECESSARY WEEP SCREED AT BASE OF WALL AND OVER OPENINGS
B. 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
D. 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.
E. RAKE OUT JOINTS FOR POINTING WITH MORTAR TO DEPTH OF NOT LESS THAN 1/2" BEFORE SETTING MORTAR HAS HARDNED. RAKE JOINTS TO UNIFORM DEPTHS WITH SQUARE BOTTOMS AND CLEAN SIDES.

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

- END DIVISION 4 -

DIVISION 5 - METALS

051200 STRUCTURAL STEEL

A. SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR STRUCTURAL STEEL SPECIFICATIONS.
B. FINISH:
1. 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.
2. INTERIOR FABRICATIONS: FACTORY PRIMED, UNLESS NOTED OTHERWISE.

055113 METAL STAIRS AND RAILINGS

A. SUBMITTALS:
1. 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.
B. DESIGN:
1. METAL STAIRS AND RAILINGS SHALL BE DESIGNED BY FABRICATOR TO SUPPORT CODE-REQUIRED LOADING AND TO MATCH THE CONFIGURATIONS INDICATED IN THE CONSTRUCTION DOCUMENTS.
C. FABRICATIONS:
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.
D. ACCESSORIES:
1. WALL-MOUNT HANDRAIL BRACKETS: SINGLE HOLE FORMED HANDRAIL BRACKET W/ WALL FILLER AND SNAP-ON COVER (WAGNER 1929, OR SIMILAR)
E. FINISH:
1. EXTERIOR FABRICATIONS: GALVANIZED AND PRIME PAINTED READY FOR FINISH PAINTING, UNLESS NOTED OTHERWISE.
2. INTERIOR FABRICATIONS: PRIME PAINTED READY FOR FINISH PAINTING
F. INSTALLATION:
1. SUPPLY COMPONENTS REQUIRED FOR ANCHORAGE FABRICATED FROM SAME MATERIAL AND FINISH AS FABRICATION UNLESS NOTED OTHERWISE. SHIM AND LEVEL FABRICATIONS AS NECESSARY.
2. COAT CONCEALED SURFACES OF ALUMINUM FABRICATIONS IN CONTACT WITH CONCRETE, GROUT, MASONRY, WOOD, OR DISSIMILAR METALS WITH BITUMINOUS PAINT.

057313 GLAZED DECORATIVE METAL RAILINGS

A. SUBMITTALS:
1. PRODUCT DATA
2. SAMPLES
3. SHOP DRAWINGS INCLUDING PLANS, SECTIONS, AND DETAILS AT JOINTS AND PERIMETER CONDITIONS, ATTACHMENT, AND INTERFACE WITH WORK BY OTHERS.
4. STRUCTURAL CALCULATIONS
5. MANUFACTURER'S STANDARD WARRANTY

B. 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.

C. PRODUCTS:
1. BASIS OF DESIGN: STRUCT-U-RAIL AS MANUFACTURED BY LIVERS BRONZE CO. OR APPROVED EQUAL
2. MATERIALS:
A. ALUMINUM: CONFORMING TO ASTM B 2212 ALLOW 6063-T52
B. STAINLESS STEEL: CONFORMING TO ASTM A666, TYPE 304
3. COMPONENTS:
A. GLAZING: FULLY TEMPERED ASTM C 1048 KIND FT, QUALITY Q3, MONOLITHIC TEMPERED THICKNESS 1/2"-3/4" MIN. REQUIRED TO MEET ALL STRUCTURAL REQUIREMENTS. COLOR: CLEAR, POLISHED EDGE
B. GLASS SUPPORT BASES: STANDARD EXTRUDED ALUMINUM BASE FOR 1/2" GLASS - 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.
C. GLASS INFILL SHALL BE 1/2" TEMPERED OR LAMINATED GLASS, CONFORM TO SAFETY REQUIREMENTS OF ANSI Z97.1. GLASS IS GROUTED INTO ALUMINUM BASE.
D. 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.

- END DIVISION 5 -

DIVISION 6 - WOOD AND PLASTICS

061000 ROUGH CARPENTRY

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

A. SUBMITTALS:
1. PRODUCT DATA FOR TREATED WOOD, ENGINEERED WOOD PRODUCTS, FOAM PLASTIC SHEATHING, AND BUILDING WRAP.

B. LUMBER: PROVIDE S4S, 19 PERCENT MAXIMUM MOISTURE CONTENT FOR 2-INCH NOMINAL THICKNESS OR LESS, MARKED WITH GRADE STAMP OF INSPECTION AGENCY OF THE FOLLOWING GRADE:
1. INTERIOR PARTITION FRAMING: STANDARD, STUD, OR NO. 3 GRADE
2. EXPOSED FRAMING: NO. 1 OR NO. 2,
3. MISCELLANEOUS LUMBER FOR NAILERS, BLOCKING, AND SIMILAR CONSTRUCTION: STUD, OR NO. 3 GRADE

C. PANEL PRODUCTS: DOC PS 2. PROVIDE PLYWOOD COMPLYING WITH DOC PS 1 WHERE PLYWOOD IS INDICATED AND AS FOLLOWS:
1. WALL SHEATHING:
a. PLYWOOD: EXTERIOR OR EXPOSURE 1, STRUCTURAL I, FIRE RETARDANT-TREATED
b. ORIENTED STRAND BOARD: EXPOSURE 1, STRUCTURAL I
c. GLASS-MAT GYPSUM: ASTM C 1177/C 1177M
d. EXTRUDED POLYSTYRENE FOAM: ASTM C 578, TYPE IV WITH T&G OR SHIPLAP LONG EDGES
e. POLYISOCYANURATE FOAM: ASTM C 1289, TYPE I, CLASS 2, WITH ALUMINUM FOIL FACINGS. FOAM PLASTIC CORE AND FACINGS SHALL HAVE A FLAME SPREAD OF 25 OR LESS WHEN TESTED INDIVIDUALLY.
2. ROOF SHEATHING, WHERE INDICATED ON DRAWINGS:
a. PLYWOOD: EXTERIOR OR EXPOSURE 1, STRUCTURAL I
b. ORIENTED STRAND BOARD: EXPOSURE 1, STRUCTURAL I
3. PLYWOOD SUBFLOORING: EXTERIOR OR EXPOSURE 1, STRUCTURAL I
4. TELEPHONE AND ELECTRICAL EQUIPMENT BACKING BOARDS: PLYWOOD, EXPOSURE 1, C-D PLUGGED, FIRE RETARDANT TREATED, 1/2" THICK.

D. PRESERVATIVE-TREATED MATERIALS: APWA C2 LUMBER AND APWA C9 PLYWOOD, LABELED BY AN INSPECTION AGENCY APPROVED BY ALSC'S BOARD OF REVIEW. AFTER TREATMENT, KILN-DRY LUMBER TO 19 PERCENT MOISTURE CONTENT AND PLYWOOD TO 15 PERCENT. TREAT INDICATED ITEMS AND THE FOLLOWING:
1. WOOD MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND WATERPROOFING
2. CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE
3. WOOD FRAMING LESS THAN 18" ABOVE GRADE
4. WOOD FLOOR PLATES INSTALLED OVER CONCRETE SLABS DIRECTLY IN CONTACT WITH EARTH.

E. 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 FOLLOWING:
1. INTERIOR RATED: TELEPHONE AND ELECTRICAL EQUIPMENT BACKING BOARDS
2. EXTERIOR RATED: PLYWOOD SHEATHING AS DETAILED AT ROOF SOFFIT.

F. MISCELLANEOUS PRODUCTS:
1. 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).
2. METAL FRAMING ANCHORS: HOT-DIP GALVANIZED STEEL OF STRUCTURAL CAPACITY, TYPE, AND SIZE INDICATED.
3. BUILDING PAPER: ASPHALT SATURATED ORGANIC FELT COMPLYING WITH ASTM D 226, TYPE 1 (NO. 15 ASPHALT FELT), UNPERFORATED.
4. AIR BARRIERS: AIR-RETARDER SHEETING OR FLUID APPLIED COATING DESIGNED TO PREVENT WATER INSTRUSION FROM EXTERIOR TO INTERIOR BUT TO ALLOW WATER VAPOR TO PASS FROM INTERIOR TO EXTERIOR.
5. SILL-SEALER: GLASS-FIBER INSULATION, 1" THICK, COMPRESSIBLE TO 1/32".
6. ADHESIVE FOR FIELD GLUING PANELS TO FRAMING: APA AFG-01.

G. INSTALLATION:
1. 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.
2. INSTALL STRUCTURAL MEMBER FULL LENGTH WITHOUT SPLICES UNLESS OTHERWISE SPECIFICALLY DETAILED.
3. COMPLY WITH MEMBER SIZES, SPACING, CONFIGURATION, AND FASTENER SIZE AND SPACING AS INDICATED ON THE STRUCTURAL DRAWINGS, BUT NOT LESS THAN REQUIRED BY APPLICABLE CODES AND AFPA WCD 1 T11.
4. CONSTRUCT DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS AND UNDER WALL STUD PARTITIONS THAT ARE PARALLEL TO FLOOR JOISTS.
5. FRAME OPENINGS WITH TWO OR MORE STUDS AT EACH JAMB AND SUPPORT HEADERS ON CRIPPLE STUDS.
6. PROVIDE DOUBLE 2x10 HEADERS WITH 1/2" PLYWOOD BETWEEN AND 2x4 BOTTOM PLATE AT ALL DOOR AND WINDOW OPENINGS UNLESS NOTED OTHERWISE.
7. FURNISH CONCEALED BLOCKING AND NAILERS WHERE INDICATED AND AT ALL LOCATIONS WHERE WALL HUNG ITEMS WILL REQUIRE A SUBSTRATE FOR FASTENING OR SUPPORT.
8. INSTALL ROOF SHEATHING PERPENDICULAR TO FRAMING MEMBERS WITH ENDS STAGGERED AND SHEET ENDS OVER FIRM BEARING. PROVIDE PANELS CLIPS BETWEEN ROOF FRAMING MEMBERS AND SOLID EDGE BLOCKING BETWEEN SHEETS.
9. INSTALL WALL SHEATHING PERPENDICULAR TO TO WALL STUDS WITH ENDS OVER FIRM BEARING AND STAGGERED.
10. INSTALL FLOOR SHEATHING PERPENDICULAR TO FLOOR JOISTS WITH ENDS OVER FIRM BEARING. GLUE AND NAIL SHEATHING TO EACH JOIST.

064023 INTERIOR ARCHITECTURAL WOODWORK

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

B. QUALITY ASSURANCE: ARCHITECTURAL WOODWORK INSTITUTE'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS"

C. MATERIALS:
1. HARDBOARD: AHA A235.4
2. MEDIUM DENSITY FIBERBOARD: ANSI A208.2, GRADE MD, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE.
3. PARTICLEBOARD: ANSI A208.1, GRADE M-2
4. SOFT PLYWOOD: DOC PS 1
5. HARDWOOD PLYWOOD AND FACE VENEERS: HPVA HP-1, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE.
6. HIGH PRESSURE DECORATIVE LAMINATE: NEMA LD 3
7. SOLID SURFACE MATERIAL: HOMOGENOUS SOLID SHEETS OF FILLED PLASTIC RESIN COMPLYING WITH ISSFA-2.
8. HARDWARE: COMPLY WITH BHMA A156
a. HINGES: CONCEALED (EUROPEAN-TYPE) BHMA A156.9
b. PULLS: AS SPECIFIED ON DRAWINGS
c. 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.
d. DOOR AND DRAWER LOCKS: BHMA A156.11
e. GROMMETS: MOLDED PLASTIC WITH CAPS; FURNISH IN COLOR AND LOCATIONS AS DIRECTED.
f. HARDWARE FINISH: SATIN STAINLESS STEEL: BHMA 630

D. INTERIOR WOODWORK:
1. COMPLETE FABRICATION BEFORE SHIPPING TO PROJECT SITE TO MAXIMUM EXTENT FEASIBLE. DISASSEMBLE ONLY AS NEEDED FOR SHIPPING AND INSTALLING. WHERE NECESSARY FOR FITTING AT PROJECT SITE, PROVIDE FOR SCRIBING AND TRIMMING.
2. BACKOUT AND GROOVE BACKS OF FLAT MEMBERS, KERF BACKS OF OTHER WIDE, FLAT MEMBERS, EXCEPT WHERE ENDS WILL BE EXPOSED IN FINISHED WORK.

E. INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH: CUSTOM GRADE, SPECIES PER DRAWINGS.

F. WOOD CABINETS FOR TRANSPARENT FINISH:
1. GRADE: PREMIUM
2. AWI TYPE OF CABINET CONSTRUCTION: FLUSH OVERLAY
3. VENEER MATCHING: BALANCE MATCHED
4. VENEER SPECIES AND CUT: PER DRAWINGS, WITH VENEER ON ALL EXPOSED AND SEMIEXPOSED SURFACES.
5. CABINET INTERIORS: BLACK MELAMINE WITH DARK VENEERS, WHITE MELAMINE FOR LIGHT VENEERS (CONFIRM WITH ARCHITECT)
6. SHELVING AND SUPPORTS: HIGH PRESSURE LAMINATE TO MATCH MELAMINE SUPPORTED ON STAINLESS STL. PINS

G. LAMINATE-CLAD CABINETS AND COUNTERTOPS:
1. GRADE: CUSTOM
2. AWI TYPE OF CABINET CONSTRUCTION: FLUSH OVERLAY, UNLESS NOTED OTHERWISE ON DRAWINGS.
3. LAMINATE CLADDING:
a. VERTICAL SURFACES: HGS UNLESS NOTED BELOW
- ELEVATOR CABS: FIRE RATED LAMINATE
- WALL PANELS AND WAINSCOTING: HIGH-WEAR LAMINATE
b. HORIZONTAL SURFACES: HGS UNLESS NOTED BELOW
- RECEPTION COUNTERS AND TRANSACTION TOPS: HIGH-WEAR LAMINATE
- LAB, EXAM RM. AND PROCEDURE COUNTERS: CHEMICAL RESISTANT LAMINATE
c. POSTFORMED SURFACES: HGP
d. EDGES: HGS
4. CABINET INTERIORS: BLACK MELAMINE WITH DARK COLOR LAMINATES, WHITE MELAMINE WITH LIGHT COLOR LAMINATES (CONFIRM WITH ARCHITECT)
5. SHELVING AND SUPPORTS: HIGH PRESSURE LAMINATE TO MATCH MELAMINE SUPPORTED ON STAINLESS STL. PINS

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

I. SHOP FINISHING OF WOODWORK:
1. FINISH ALL WOODWORK IN THE SHOP TO SAME GRADE AS ITEMS BEING FINISHED
2. APPLY ONE COAT OF SEALER OR PRIMER TO CONCEALED SURFACES OF WOODWORK. APPLY TWO COATS TO BACK OF PANELING.
3. APPLY A VINYL WASH COAT TO WOODWORK MADE FROM CLOSED-GRAIN WOOD BEFORE STAINING AND FINISHING.
4. AFTER STAINING, IF ANY, APPLY PASTE WOOD FILLER TO OPEN-GRAIN WOODS AND WIPE OFF EXCESS. TINT FILLER TO MATCH STAINED WOOD.
FINISH WITH AWI SYSTEM [TR-0 SYNTHETIC PENETRATING OIL] [TR-4, CONVERSION VARNISH] [TR-5, CATALYZED VINYL LACQUER] [TR-6, CATALYZED POLYURETHANE

064023 INTERIOR ARCHITECTURAL WOODWORK (CONT.)

J. INSTALLATION:
1. 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.
2. 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.
3. SCRIBE AND CUT WOODWORK TO FIT ADJOINING WORK, SEAL CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS.
4. INSTALL TRIM WITH MINIMUM NUMBER OF JOINTS POSSIBLE USING FULL-LENGTH PIECES TO GREATEST EXTENT POSSIBLE. STAGGER JOINTS IN ADJACENT AND RELATED MEMBERS.
5. ANCHOR PANELING WITH CONCEALED PANEL-HANGER CLIPS AND BY BLIND NAILING ON BACK-UP STRIPS, SPLINE-CONNECTION STRIPS, AND SIMILAR ASSOCIATED TRIM AND FRAMING.

- END DIVISION 6 -

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

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

071326 SELF-ADHERING SHEET WATERPROOFING

A. SUBMITTALS: PRODUCT DATA AND PRODUCT TEST REPORTS

B. QUALITY ASSURANCE: MANUFACTURER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED WATERPROOFING MANUFACTURER.

C. WATERPROOFING MATERIALS: *BASIS OF DESIGN - CCW MIRADRI 860/861 AS MANUFACTURED BY CARLISLE COATINGS & WATERPROOFING OR APPROVED EQUAL. TO BE USED WITH MIRADRAIN DRAINAGE SYSTEM AS DETAILED BY CARLISLE DETAIL 860-2D. THIS SYSTEM SHALL BE USED ALONG THE PLAN NORTH ELEVATION WHERE FINISH GRADE IS ABOVE FINISH FLOOR, SEE CONSTRUCTION DOCUMENTS FOR MORE DETAIL.*
1. 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.
2. 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.
3. PROTECTION COURSE: *BASIS OF DESIGN CCW-PROTECTION BOARD*
4. PERIMETER DRAINAGE SYSTEM: *BASIS OF DESIGN - CCW MIRADRAIN HC.*

D. INSTALLATION:
1. PROVIDE CLEAN, DUST-FREE, AND DRY SUBSTRATES FOR WATERPROOFING APPLICATION.
2. REMOVE FINS, RIDGES, MORTAR, AND OTHER PROJECTIONS AND FILL HONEYCOMB, AGGREGATE POCKETS, HOLES, AND VOIDS.
3. PREPARE, FILL, PRIME, AND TREAT JOINTS AND CRACKS IN SUBSTRATES
4. 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.
5. PREPARE, PRIME, AND TREAT INSIDE AND OUTSIDE CORNERS, TERMINATION, PROTRUSIONS, AND PENETRATIONS THROUGH WATERPROOFING ACCORDING TO ASTM D 6135.
6. 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.
7. REPAIR ANY TEARS AND VOIDS AND SLIT AND FLATTEN FISHMOUTHS AND BLISTERS. PATCH WITH SHEETS EXTENDING 6" BEYOND REPAIRED AREAS IN ALL DIRECTIONS.
8. INSTALL PROTECTION COURSE OVER WATERPROOFING AND SECURE DRAINAGE PANELS OVER PROTECTION COURSE WITHOUT PENETRATING WATERPROOFING. LAP EDGES AND ENDS OF GEOTEXTILE.
9. PROTECT WATERPROOFING SYSTEM FROM DAMAGE DURING CONSTRUCTION.

072726 FLUID-APPLIED MEMBRANE AIR BARRIERS

A. SUBMITTALS: PRODUCT DATA AND PRODUCT TEST REPORTS

B. QUALITY ASSURANCE: INSTALLER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED BY MANUFACTURER.

C. PRODUCTS: *BASIS OF DESIGN*: "FIRE RESIST BARRITECH VP" BY CARLISLE COATINGS AND WATERPROOFING OR APPROVED EQUAL
a. FLAME SPREAD: <25, ASTM E 84
b. VAPOR PERMEANCE: NOT LESS THAN 10 PERMS, ASTM E-96, METHOD B
c. AIR PERMEANCE: <0.02 l/S*M*M AT 75 Pa
d. FASTENER SEALABILITY: NO WATER LEAKING THROUGH NAIL PENETRATIONS AFTER 24 HOURS, ASTM D 1970
e. WATER RESISTANCE: 55 cm COL. OF WATER FOR 5 HOURS, NO LEAKING OR WET THROUGH
f. FIRE PROPAGATION: MEETS REQUIREMENTS OF NFPA 285 IN APPROVED TESTED WALL ASSEMBLIES, REF SHEET A0.05 FOR EXTERIOR WALL ASSEMBLY INFORMATION.

D. ACCESSORIES: PROVIDE THE FOLLOWING PRODUCT ACCESSORIES OR APPROVED EQUALS FROM SAME MANUFACTURER AS AIR BARRIER MEMBRANE.
a. DETAIL FLASHING: FOIL FACED-BUTYL OR FOIL-FACED RUBBERIZED ASPHALT FLASHING, MIN. 30 MILS THICKNESS. APPROVIED WITH AIR BARRIER MEMBRANE IN NFPA 285 TESTED WALL ASSEMBLIES.
b. CONTACT ADHESIVE: CCW-702-BASED
c. DETAIL MASTIC: SURE-SEAL LAP SEALANT
d. TRANSITION MEMBRANE: CCW SURE-SEAL PRESSURE SENSITIVE ELASTOFORM
e. TRANSITION MEMBRANE PRIMER: SURE-SEAL LOW VOC EPDM PRIMER
f. REINFORCING FABRIC: DCH REINFORCING FABRIC
g. GLASS MAT: LIQUIFIBER-W
h. FILL COMPOUND: 2-PART, NON-SAG POLYURETHANE SEALANT, CCW-703 V OR CCW-201

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

072100 THERMAL INSULATION

A. SUBMITTALS: PRODUCT DATA FOR EACH TYPE OF INSULATION SPECIFIED

B. SURFACE BURNING CHARACTERISTICS:
1. FLAME SPREAD INDEX: 25 OR LESS
2. SMOKE DEVELOPED INDEX: 50 OR LESS IN EXPOSED AREAS AND PLENUMS; 450 OR LESS WHERE CONCEALED.

C. INSULATION PRODUCTS:
1. 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 APPROVED EQUAL
c. CLASSIFICATION: ASTM C 578, TYPE IV
d. FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED WALL ASSEMBLIES
e. WATER ABSORPTION <=0.3% PER ASTM C272
f. R-VALUE: MIN. R7.5 AT WALLS, MIN. R10 AT BUILDING FOUNDATION, AS INDICATED IN CONSTRUCTION DOCUMENTS

2. POLYISOCYANURATE (POLYISO) FOAM RIGID BOARD INSULATION:
a. LOCATION: TO BE USED IN METAL COMPOSITE PANEL WALL ASSEMBLY
b. PRODUCT: DOW "THERMAX" (CI) EXTERIOR INSULATION OR APPROVED EQUAL
c. CLASSIFICATION:ASTM C1289, TYPE 1, CLASS 2
d. FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED WALL ASSEMBLIES
e. R-VALUE: MIN. R7.5, AS INDICATED IN CONSTRUCTION DOCUMENTS.

3. GLASS FIBER BLANKET INSULATION: MEETS NFPA 285 IN APPROVED ASSEMBLIES
a. TYPE I, UNFACED

4. ROCK WOOL:
a. PROVIDE 6LB/CF MINERAL ROCK WOOL AT ALL HOLLOW METAL DOOR FRAMES.
b. 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.

D. INSTALLATION:
1. INSTALL PER MANUFACTURER'S RECOMMENDATION AND AS FOLLOWS:
a. 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

A. SUBMITTALS:
1. PRODUCT DATA, TEST DATA, WARRANTIES
2. SHOP DRAWINGS SHOWING ALL PANEL JOINTS LAYOUTS, AND ATTACHMENT DETAILS.
3. PANEL SYSTEM ASSEMBLY, FINISH SAMPLES.

B. QUALITY ASSURANCE:
1. INSTALLER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED BY MANUFACTURER.
2. MANUFACTURER SHALL HAVE MINIMUM 15 YEARS IN THE MANUFACTURING OF THIS PRODUCT.

C. PRODUCTS:
1. COMPOSITE WALL PANELS (REFER TO ELEVATIONS FOR LOCATIONS AND COLOR): ALUMINUM-FACED COMPOSITE PANELS WITH MOUNTING SYSTEM. PANEL MOUNTING SYSTEM INCLUDING ANCHORAGES, FURRING, FASTENERS, GASKETS AND SEALANTS, RELATED FLASHING ADAPTERS AND MASKING FOR COMPLETE INSTALLATION.
a. *BASIS OF DESIGN PRODUCT*: ALUCOBOND PLUS MANUFACTURED BY 3A COMPOSITES USA OR APPROVED EQUAL.
b. THICKNESS: 4MM (0.157")
c. ALUMINUM FACE SHEETS: THICKNESS (0.020"), ALLOY (3000 SERIES)
d. CORE MATERIAL: FIRE RESISTANT
e. FIRE PERFORMANCE: ASTM E84 CLASS A
f. FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED ASSEMBLIES, REFER TO ICC-ES ESR-3435
g. SYSTEM TYPE: ROUTE AND RETURN DRY
h. FINISH: COIL COATED FLUOROPOLYMER 2-COAT SYSTEM WITH TOPCOAT CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT; COMPLYING WITH AAMA 2604, APPLIED BY MANUFACTURER
i. COLOR: AS INDICATED IN DRAWINGS.

074213.23 METAL COMPOSITE MATERIAL WALL PANELS (CONT.)
2. EXPOSED FASTENER LAPPED SEAM PANEL
a. MATERIAL: GALVANIZED STEEL
b. PANEL THICKNESS: 22 GA
c. PROFILE: VULCRAFT 1.5B OR EQUAL
d. FINISH: FACTORY-APPLIED, OVEN BAKED FINISH BASED ON KYNAR 500 POLYVINYLIDENE FLOURIDE RESIN. FLUOROPOLYMER 2-COAT SYSTEM WITH TOPCOAT CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT; COMPLYING WITH AAMA 2605.
e. COLOR: AS INDICATED IN DRAWINGS

D. ACCESSORIES:
1. PROVIDE COMPONENTS REQUIRED FOR A COMPLETE WALL PANEL ASSEMBLY INCLUDING TRIM, COPINGS, FASCIA, MULLIONS, CORNER UNITS, CLIPS, SEAM COVERS, FLASHINGS, SEALANTS, GASKETS, 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 SYSTEM AS ADJACENT METAL PANELS.
3. BITUMINOUS COATING: COLD-APPLIED ASPHALT MASTIC, SSPC-PAINT 12, COMPOUNDED FOR 15-MIL (0.4mm) DRY FILM THICKNESS PER COAT.
4. SELF-ADHERED FLASHING WHICH IS COMPATIBLE WITH AIR BARRIER SYSTEM.
5. WEEP HOLE COVERS TO PREVENT INSECTS, FINISH TO MATCH PANEL.

E. INSTALLATION:
1. ANCHOR PANELS SECURELY IN PLACE WITH PROVISIONS FOR THERMAL AND STRUCTURAL MOVEMENT. INSTALL WITH CONCEALED FASTENERS UNLESS OTHERWISE INDICATED USING STAINLESS STEEL FOR SURFACES EXPOSED TO THE EXTERIOR AND GALVANIZED FOR SURFACES EXPOSED TO THE INTERIOR.
2. INSTALL MANUFACTURER RECOMMENDED GASKETS, JOINT FILLERS, AND SEALANTS WHERE REQUIRED FOR WEATHERPROOF PERFORMANCE OF ASSEMBLIES.
3. USE BITUMINOUS COATING OR SELF ADHERED FLASHING TO SEPARATE DISSIMILAR METALS AND WHERE ALUMINUM PANELS WILL CONTACT WOOD, FERROUS METAL OR CONCRETE. CONFIRM COMPATIBILITY OF PRODUCT TO BE UTILIZED WITH ADJACENT MATERIALS.
4. PROVIDE WEEPS IN METAL WALL PANELS AS REQUIRED TO PREVENT COLLECTION OF WATER BEHIND PANELS.

075423 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

A. SUBMITTALS:
1. PRODUCT DATA FOR ALL MATERIALS, AND SHOP DRAWINGS OF TAPERED INSULATION

B. QUALITY ASSURANCE:
1. 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.
2. EXTERIOR FIRE TEST EXPOSURE: ASTM E 108, CLASS B.

C. ROOFING MATERIALS:
1. TPO SHEET: ASTM D 6878, TYPE II, SCRIM OR FABRIC INTERNALLY REINFORCED 80 MILS (1.5 mm) THICK; COLOR: WHITE.
a. *BASIS OF DESIGN PRODUCT*: FIRESTONE ULTRAPLY TPO OR APPROVED EQUAL.
2. AUXILIARY MATERIALS: RECOMMENDED BY ROOFING SYSTEM MANUFACTURER FOR INTENDED USE AND AS FOLLOWS:
a. SHEET FLASHING: SAME THICKNESS AND COLOR AS SHEET MEMBRANE.
b. BONDING ADHESIVE: TYPE AS RECOMMENDED BY MANUFACTURER
c. 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.

D. ROOF INSULATION:
1. POLYISOCYANURATE BOARD INSULATION: ASTM C 1289, TYPE II
a. MINIMUM R-VALUE: AS INDICATED IN DRAWINGS
b. UTILIZE MIN. (2) LAYERS TO ACHIEVE R-VALUE, STAGGER JOINTS.
2. FABRICATE TAPERED INSULATION WITH SLOPE OF 1/4"/FOOT UNLESS OTHERWISE INDICATED.
3. PROVIDE PREFORMED SADDLES, CRICKETS, TAPERED EDGE STRIOS, AND OTHER INSULATION SHAPES WHERE INDICTED FOR SLOPING TO DRAIN. FABRICATE TO SLOPES INDICATED.
4. COVER BOARD: AS INDICATED IN DRAWINGS.

E. INSTALLATION:
1. MECHANICALLY FASTEN EACH LAYER OF INSULATION TO DECK.
2. 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.
b. PERIMETER/CORNER ENHANCEMENT: PERIMETER/CORNER FASTENING ENHANCEMENT SHALL BE INSTALLED AT ALL EXTERIOR ROOF PERIMETERS THAT ARE NOT BORDERED BY A PARAPET WALL OR AN ADJOINING BUILDING A MINIMUM OF 24" HIGHER THAN THE ROOF LEVEL AND IS REQUIRED AT ANY ADJOING ROOF LEVEL 24" OR GREATER ABOVE THE MAIN DECK LEVEL. PROVIDE FASTENERS AT SPACING REQUIRED BY MANUFACTURER TO COMPLY WITH WIND UPLIFT REQUIREMENTS.
c. LAP SPLICE: MEMBRANE SHALL BE OVERLAPPED AND HOT-AIR WELDED WITHOUT ANY CONTAMINANTS (ADHESIVE, DIRT, DEBRIS, ETC.) IN THE SEAM. THE ENTIRE LAP EDGE SHALL BE PROBED WITH AN APPROVED SEAM PROBING TOOL AFTER THE SEAM HAS COOLED COMPLETELY TO VERIFY SEAM CONSISTENCY. SEAL EXPOSED EDGES OF SHEET TERMINATIONS.
3. INSTALL SHEET FLASHINGS AND PREFORMED FLASHING ACCESSORIES AND ADHERE TO SUBSTRATES. PROTECT ROOFING FROM DAMAGE AND WEAR DURING REMAINDER OF CONSTRUCTION PERIOD.

074113.16 METAL ROOF PANELS

A. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, AND COLOR SAMPLES

B. PERFORMANCE STANDARD: PROVIDE ROOF ASSEMBLIES THAT COMPLY WITH UL 580 FOR CLASS 90 WIND-UPLIFT RESISTANCE.

C. WARRANTIES: PROVIDE MANUFACTURER'S STANDARD WRITTEN WARRANTY, WITHOUT MONETARY LIMITATION, SIGNED BY MANUFACTURER AGREEING TO PROMPTLY REPAIR OR REPLACE METAL ROOF PANELS THAT FAIL TO REMAIN WATERTIGHT WITHIN 10 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

D. METAL ROOF PANELS:
1. ROOF PANEL TYPE: STANDING SEAM
2. 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 275)
a. METAL THICKNESS: [0.0159" (0.40mm)] [0.0209" (0.55mm)] [0.0269" (0.70mm)] [0.0329" (0.85mm)] [0.0428" (1.10mm)]
b. 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.
3. ALUMINUM ROOF PANELS: FABRICATED FROM ALUMINUM SHEET, ASTM B 209 (ASTM B 209M) FOR ALCLAD ALLOY 3003, 3004, OR 3105.
a. METAL THICKNESS: [0.032" (0.8mm)] [0.040" (1.0mm)]
b. 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.

E. ACCESSORIES:
1. PROVIDE COMPONENTS REQUIRED FOR A COMPLETE ROOF PANEL ASSEMBLY INCLUDING TRIM, FASCIAE, CLIPS, SEAM COVERS, FLASHINGS, SEALANTS, GASKETS, 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 SYSTEM AS ADJACENT METAL ROOF PANELS.
3. 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)
4. SLIP SHEET: RESIN-SIZED BUILDING PAPER, 5lb/100 sq. ft. (2.4 kg/sq. m)
5. THERMAL SPACERS: WHERE PANELS ATTACH DIRECTLY TO PURLINS, PROVIDE THERMAL SPACERS RECOMMENDED BY PANEL MANUFACTURER.
6. BITUMINOUS COATING: COLD-APPLIED ASPHALT MASTIC, SSPC-PAINT 12, COMPOUNDED FOR 15-MIL (O.4mm) DRY FILM THICKNESS PER COAT.
F. INSTALLATION:
1. 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 OTHERWISE INDICATED USING STAINLESS STEEL FOR SURFACES EXPOSED TO THE EXTERIOR AND GALVANIZED FOR SURFACES EXPOSED TO THE INTERIOR.
3. INSTALL MANUFACTURER RECOMMENDED GASKETS, JOINT FILLERS, AND SEALANTS WHERE REQUIRED FOR WEATHERPROOF PERFORMANCE OF ASSEMBLIES.
4. USE BITUMINOUS COATING TO SEPARATE DISSIMILAR METALS AND WHERE ALUMINUM PANELS WILL CONTACT WOOD, FERROUS METAL OR CONCRETE

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR
- LOT 9 -
BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

DAVID ALAN WILLIAMS
NUMBER A-5548

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE

7007 College Blvd, Suite 415
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SHEET TITLE

PROJECT SPECIFICATIONS

SHEET NUMBER

A11.10

DIVISION 7 - THERMAL AND MOISTURE PROTECTION (CONT.)

076200 SHEET METAL FLASHING AND TRIM

A. SUBMITTALS: PRODUCT DATA, COLOR SAMPLES, AND SHOP DRAWINGS INDICATING MATERIAL, DIMENSIONS, JOINT LOCATIONS, EDGE CONDITIONS, AND METHODS OF ANCHORAGE.

B. FABRICATION STANDARD: COMPLY WITH SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL". CONFORM TO DIMENSIONS AND PROFILES SHOWN UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.

C. COORDINATION: COORDINATE INSTALLATION OF SHEET METAL FLASHING AND TRIM WITH INTERFACING AND ADJOINING CONSTRUCTION TO PROVIDE A LEAKPROOF, SECURE, AND NONCORROSIVE INSTALLATION.

D. SHEET METAL:
  1. COPPER: ASTM B 370, TEMPER H00 OR H01, COLD ROLLED, NOT LESS THAN 16 OZ/S.F. (0.55 mm THICK).
  2. 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 THAN 0.0156 INCH (0.4 mm) THICK.

E. 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.

F. ACCESSORIES:
  1. SOLDER FOR COPPER: ASTM B 32, GRADE Sn50
  2. 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.
  5. 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)

G. 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.
  2. 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.
  4. 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.
  5. SEPARATION: SEPARATE NON-COMPATIBLE METALS OR CORROSIVE SUBSTRATES WITH A COATING OF ASPHALT MASTIC OR OTHER PERMANENT SEPARATION

077200 ROOF ACCESSORIES

A. SUBMITTALS: PRODUCT DATA, INSTALLATION DETAILS, WARRANTIES

B. ROOF ACCESSORIES:

  1. 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.
  2. 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.

C. INSTALLATION: 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

A. SUBMITTALS: PRODUCT DATA AND PRODUCT CERTIFICATES SIGNED BY MFR. CERTIFYING THAT PRODUCTS COMPLY WITH REQUIREMENTS.
B. RATINGS: PROVIDE FIRESTOPPING SYSTEM WITH FIRE RESISTANCE RATINGS INDICATED BY REFERENCE TO UL DESIGNATIONS AS LISTED IN ITS "FIRE RESISTANCE DIRECTORY", OR TO DESIGNATION OF ANOTHER TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
C. 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.
D. 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.
E. INSTALLATION: INSTALL FIRESTOPPING SYSTEMS TO COMPLY WITH REQUIREMENTS LISTED IN TESTING AGENCY'S DIRECTORY FOR INDICATED FIRE-RESISTANCE RATING.
F. IDENTIFICATION: 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:
  1. THE WORDS "WARNING - THROUGH PENETRATION FIRESTOP SYSTEM - DO NOT DISTURB"
  2. CLASSIFICATION/LISTING DESIGNATION OF APPLICABLE TESTING AND INSPECTING AGENCY.
  3. THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER'S NAME AND PRODUCT NAME.

079200 JOINT SEALANTS

A. SUBMITTALS: PRODUCT DATA, COLOR SAMPLES, AND SCHEDULE OF LOCATIONS FOR EACH TYPE OF SEALANT SUBMITTED.

B. 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.

C. 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).

D. 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.
E. JOINT SEALANTS:
  1. 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 A TOTAL OF 100% MOVEMENT.
  2. EXTERIOR TRAFFIC BEARING JOINTS WHERE SLOPE PRECLUDES POURABLE SEALANT: SINGLE COMPONENT, NONSAG URETHANE SEALANT, ASTM C920, TYPE S; GRADE NS; CLASS 25; USES T, NT, M, G, A, AND O.
  3. 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.
  5. INTERIOR JOINTS AROUND PERIMETERS OF DOORS AND FRAMES: LATEX SEALANT, SINGLE COMPONENT, NONSAG, MILDEW-RESISTANT, PAINTABLE, ACRYLIC EMULSION SEALANT COMPLYING WITH ASTM C 834.
  6. ACOUSTICAL SEALANT FOR EXPOSED INTERIOR JOINTS: NONSAG, PAINTABLE, NONSTAINING, LATEX SEALANT COMPLYING WITH ASTM C 834.
  7. ACOUSTICAL SEALANT FOR CONCEALED JOINTS: NONDRYING, NONHARDENING, NONSKINNING, NONSTAINING, GUNNABLE, SYNTHETIC-RUBBER SELANT RECOMMENDED FOR SEALING INTERIOR CONCEALED JOINTS TO REDUCE TRANSMISSION OF AIRBORNE SOUND.

F. 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.

G. 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.

H. INSTALLATION: COMPLY WITH ASTM C 1193; ASTM C 919 FOR ACOUSTICAL JOINTS; AND AS FOLLOWS:
  1. REMOVE ALL LOOSE MATERIAL, CLEAN AND PRIME JOINTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND PROTECT ADJACENT SURFACES.
  2. INSTALL BOND-BREAKER TAPE WHERE JOINT BACKINGS ARE NOT USED.
  3. 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

A. SUBMITTALS: PRODUCT DATA AND FRAME SCHEDULE INDICATING OPENING AND FRAME SIZES CORRESPONDING TO THOSE USED IN CONSTRUCTION DOCUMENTS.
B. MATERIALS:
  1. HOT-ROLLED STEEL SHEETS: ASTM A1011/A 1011M
  2. 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

C. 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

D. ACCESSORIES:
  1. SUPPORTS AND ANCHORS: MIN. .042" THICK GALVANIZED STEEL SHEET
  2. PRIMER: MANUFACTURER'S STANDARD FACTORY APPLIED COAT OF RUST-INHIBITIVE PRIMER COMPLYING WITH ANSI A250.10.

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

081416 FLUSH WOOD DOORS

A. 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 DOCUMENTS.

B. DOORS: SIZES, SPECIES, AND DESIGNS AS INDICATED COMPLYING WITH WDMA I.S.1-A
  1. GRADE: PREMIUM
  2. VENEER MATCHING: BOOK AND RUNNING
  3. PAIR MATCHING AND SET MATCHING
  4. CONSTRUCTION:
    a. INTERIOR VENEER: FIVE OR SEVEN PLY, STRUCTURAL COMPOSITE LUMBER CORES
    b. INTERIOR PLASTIC LAMINATE: THREE-PLY, STRUCTURAL COMPOSITE LUMBER CORE
    c. FIRE-RATED DOORS: CORE TO PROVIDE FIRE RATING INDICATED WITH FACES AND GRADE TO MATCH NON-RATED DOORS.
  5. FABRICATION AND FINISHING:
    1. FACTORY FIT DOORS TO SUIT FRAME OPENINGS TO COMPLY WITH REFERENCED STANDARD. COMPLY WITH NFPA 80 FOR FIRE-RESISTANCE RATED DOORS.
    2. FACTORY MACHINE DOORS FOR HARDWARE THAT IS NOT SURFACE APPLIED.
    3. CUT AND TRIM OPENINGS TO COMPLY WITH REFERENCED STANDARDS.
    4. LITE KITS: [MATCHING WOOD STOPS] [STEEL STOPS]
    5. 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.

C. INSTALLATION: COMPLY WITH WDMA'S "HOW TO STORE, HANDLE, FINISH, INSTALL, AND MAINTAIN WOOD DOORS" ALIGNED AND FITTED IN FRAMES WITH UNIFORM CLEARANCES AND BEVELS.
  1. INSTALL FIRE RATED DOORS PER NFPA 80.

083113 ACCESS DOORS AND FRAMES

A. SUBMITTALS: PRODUCT DATA
B. 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
C. 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

A. SUBMITTALS:
  1. 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.
  3. SAMPLES: FULL RANGE OF MANUFUCTURERS STANDARD COLOR, FINISH AND OTHER OPTIONS REQUIRED FOR SELECTION.
  4. 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.
  5. 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.
  6. SAMPLE WARRANTIES
  7. MOCK-UP: ON SITE, INCLUDING HEAD, JAMB AND SILL CONDITIONS AND INTERFACE WITH OTHER WORK.

B. DELEGATED DESIGN: 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.

C. QUALITY ASSURANCE:
  1. FABRICATOR: COMPANY SPECIALIZING IN MANUFACTURING ALUMINUM GLAZING SYSTEMS WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE
  2. INSTALLER: COMPANY SPECIALIZING IN INSTALLING ALUMINUM GLAZING SYSTEMS WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE
  3. MANUFACTURER'S WARRANTY: 2 YEARS

D. MATERIALS:
  1. 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.

E. ALUMINUM FRAMED STOREFRONTS: 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. STRUCTURAL PERFORMANCE: PROVIDE SYSTEMS, INCLUDING ANCHORAGE, CAPABLE OF WITHSTANDING THE FOLLOWING LOADS:
    a. MAIN FRAMING MEMBER DEFLECTION: LIMITED TO 1/175 OF CLEAR SPAN OR 3/4" WHICHEVER IS SMALLER.
    b. 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 OF CLEAR SPAN.
  2. 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)
  3. 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).
  4. 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 1503.
  5. DOORS: 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.
    b. EXTERIOR DOORS: GLAZE WITH INSULATED TEMPERED GLASS UNITS MATCHING STOREFRONT GLASS OR CLEAR INSULATED GLASS PER CONSTRUCTION DRAWINGS. PROVIDE COMPRESSION WEATHERSTRIPPING AT FIXED STOPS. AT OTHER LOCATIONS, PROVIDE SLIDING WEATHERSTRIPPING RETAINED IN ADJUSTABLE STRIP MORTISED INTO DOOR EDGE.
    c. HARDWARE: PER DOOR SCHEDULE
  6. FASTENERS AND ACCESSORIES: COMPATIBLE WITH ADJACENT MATERIALS, CORROSION-RESISTANT. NONSTAINING, AND NONBLEEDING. USE CONCEALED FASTENERS EXCEPT FOR APPLICATION OF DOOR HARDWARE.
  7. 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.
    a. 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 COMPONENTS.
  8. ALUMINUM FINISH: COMPLY WITH NAAMM'S "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS" *FLUOROPOLYMER, 2-COAT SYSTEM, COMPLYING WITH AAMA 2604*
    a. COLOR: CUSTOM COLOR

F. INSTALLATION:
  1. ISOLATE METAL SURFACES IN CONTACT WITH INCOMPATIBLE MATERIALS, INCLUDING WOOD, BY PAINTING CONTACT SURFACES WITH BITUMINOUS 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:
    a. VARIATION FROM PLANE: LIMIT TO 1/8" IN 12 FEET; 1/4" OVER TOTAL LENGTH
    b. ALIGNMENT: FOR SURFACES ABUTTING LINE, LIMIT OFFSET TO 1/16". FOR SURFACES MEETING AT CORNERS, LIMIT OFFSET TO 1/32".
    c. DIAGONAL MEASUREMENTS: LIMIT DIFFERENCE BETWEEN DIAGONAL MEASUREMENTS TO 1/8"
    d. PERIMETER JOINTS: 1/2" MAXIMUM.
  3. INSTALL DOORS WITHOUT WARP OR RACK. ADJUST DOORS AND HARDWARE TO PROVIDE TIGHT FIT AT CONTACT POINTS AND SMOOTH OPERATION.

087100 DOOR HARDWARE

A. 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. HARDWARE: FURNISH PRODUCTS AS SPECIFIED IN THE HARDWARE SETS CONTAINED IN THE CONSTRUCTION DOCUMENTS AND AS FOLLOWS:
  1. HINGES:
    a. QUANTITY: 3 HINGES FOR DOORS 90" OR LESS IN HEIGHT; 4 HINGES FOR DOORS MORE THAN 90" IN HEIGHT.
    b. BEARING: BALL BEARING HINGES AT ALL LOCATIONS.
    c. MATERIAL: STAINLESS STEEL OR BRASS/BRONZE HINGES WITH STAINLESS STEEL PINS FOR EXTERIOR.
    d. PINS: NONREMOVABLE PINS FOR EXTERIOR AND PUBLIC INTERIOR EXPOSURE; NON-RISING ELSEWHERE.
  2. LOCKSETS AND LATCHSETS:
    a. BORED LOCKS AND LATCHES: BHMA A156.2, SERIES 4000, GRADE 1
    b. EXIT DEVICES: BHMA A156.3, GRADE 1
    c. AUXILIARY LOCKS: BHMA A156.5, GRADE 1
    d. INTERCONNECTED LOCKS AND LATCHES: BHMA A156.12, SERIES 5000, GRADE 1
    e. MORTISE LOCKS AND LATCHES: BHMA A156.13, SERIES 1000, GRADE 1
    f. 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 LOCKSETS.
    g. KEYING: PROVIDE CONSTRUCTION KEYING AND COORDINATE FINAL KEYING WITH OWNER'S MASTER-KEY SYSTEM. FURNISH KEY CONTROL SYSTEM, INCLUDING CABINET.
  3. CLOSERS:
    a. LOCATION: MOUNT CLOSERS ON INTERIOR (ROOM SIDE) OF DOOR OPENING. PROVIDE REGULAR-ARM, PARALLEL-ARM, OR TOP-JAMB-MOUNTED CLOSERS AS NECESSARY.
    b. OPTIONS: FURNISH ADJUSTABLE DELAYED OPENING (ADA ACCESSIBLE) FEATURE ON ALL CLOSERS.
  4. STOPS: FURNISH AND INSTALL WALL OR FLOOR STOPS AS APPROPRIATE FOR ALL DOORS WHETHER INDICATED OR NOT.
  5. WEATHERSTRIPPING: AT ALL EXTERIOR DOORS AND AS SCHEDULED, PROVIDE WEATHERSTRIPPING ON HEAD AND JAMBS AND DRIP-SWEEP AT SILL.
  6. SMOKE GASKETING: PROVIDE SMOKE GASKETING AT ALL FIRE-RATED DOORS.
  7. THRESHOLDS: PROVIDE THRESHOLDS AT ALL EXTERIOR DOORS AND AS SCHEDULED.

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

08800 GLAZING

A. SUBMITTALS: PRODUCT DATA AND (2) 12" SQUARE SAMPLES OF EACH TYPE OF GLASS SPECIFIED.
B. QUALITY STANDARDS:
  1. 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.
  2. SAFETY GLASS: CATEGORY II MATERIALS COMPLYING WITH TESTING REQUIREMENTS IN 16 CFR 1201 AND ANSI Z97.1.
  3. GLAZING PUBLICATIONS: WHERE APPLICABLE, COMPLY WITH WITH THE PUBLISHED RECOMMENDATIONS OF THE FOLLOWING:
    a. GANA PUBLICATIONS: "GLAZING MANUAL" AND "LAMINATED GLASS DESIGN GUIDE".
    b. AAMA PUBLICATIONS: AAMA GDSG-1, "GLASS DESIGN FOR SLOPED GLAZING", AND AAMA TIR-A7. "SLOPED GLAZING GUIDELINES".
    c. SIGMA PUBLICATIONS: SIGMA TM-3000, "VERTICAL GLAZING GUIDELINES" AND SIGMA TB-3001, "SLOPED GLAZING GUIDELINES".
C. GLASS
  1. FLOAT GLASS: ASTM C 1036, TYPE I, QUALITY q3
  2. 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.
  3. 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.
  4. WIRED GLASS: TYPE II, CLASS I, QUALITY q8, FORM 1 POLISHED, WITH m2 SQUARE MESH, .25" THICK.
  5. PATTERNED GLASS: ASTM C 1036, TYPE II, CLASS 1 , FORM 3, QUALITY q8, FINISH F1, PATTERN PER CONSTRUCTION DRAWINGS.
  6. TEMPERED PATTERNED GLASS: ASTM C 1048. TYPE II, CLASS 1, FORM 3, QUALITY q8, FINISH F1, PATTERN PER CONSTRUCTION DRAWINGS.
  7. MIRROR GLASS: ASTM C 1036, TYPE I, CLASS 1, QUALITY q1, SILVER COATED PER FS DDM411C, 6.0mm THICK, WITH EDGES FLAT POLISHED.

D. FABRICATED GLASS PRODUCTS:
  1. 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
    b. SPANDREL GLASS: (**SP-1**) TO MATCH VISION GLASS WITH OPACIFIER APPLIED TO FOURTH SURFACE.
    c. WARRANTY: 10 YEAR WARRANTY TO INCLUDE REPLACEMENT OF SEALED UNITS EXHIBITING SEAL FAILURE, INTERPANE DUSTING OR MISTING.

E. INSTALLATION:
  1. 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".
  2. SET GLASS LITES IN EACH SERIES WITH UNIFORM PATTERN, DRAW, BOW, AND SIMILAR CHARACTERISTICS.
  3. 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 -

DIVISION 9 - FINISHES

092216 NON-STRUCTURAL METAL FRAMING

A. STEEL FRAMING MEMBERS: COMPLY WITH ASTM C754 IN DEPTHS AND GAGES AS INDICATED IN THE CONSTRUCTION DRAWINGS AND AS FOLLOWS:
  1. STEEL SHEET COMPONENTS: COMPLY WITH ASTM C645 WITH MANUFACTURER'S STANDARD CORROSION-RESISTANT ZINC COATING.
  2. TIE WIRE: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER. .0625" DIAMETER OR DOUBLE STRAND OF .0475" DIAMTER WIRE.
  3. WIRE HANGERS: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER. .0162" DIAMETER.

092900 GYPSUM BOARD

A. 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 FOLLOWS:
  1. GYPSUM WALLBOARD: ASTM C 36, TYPE 'X' WITH TAPERED EDGES, SAG-RESISTANT TYPE FOR CEILING SURFACES.
  2. 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
  3. GLASS-MAT, WATER RESISTANT GYPSUM BACKING BOARD: ASTM C 1178, GEORGIA PACIFIC "DENS-SHIELD TILE BACKER", OR EQUAL AT TILED, 'WET' WALLS
  4. EXTERIOR SOFFIT BOARD: GEORGIA PACIFIC "DENS-GLAS GOLD", OR APPROVED EQUAL
  5. CEMENTITIOUS BACKER UNITS: ANSI A118.9.
  6. IMPACT RESISTANT GYPSUM BOARD: ASTM C 1629/C 1629M WITH TAPERED EDGES.
  7. GLASS-MAT GYPSUM SHEATHING BOARD: ASTM C 1177, WITH FIBERGLASS MAT LAMINATED TO BOTH SIDES AND WITH MANUFACTURER'S STANDARD EDGES, GEORGIA PACIFIC "DENSGLASS GOLD SHEATHING"

B. ACCESSORIES:
  1. TRIM: ASTM 1047, FORMED FROM GALVANIZED OR ALUMINUM COATED STEEL SHEET, ROLLED ZINC, OR PLASTIC
    a. OUTSIDE CORNERS: PROVIDE CORNER BEAD UNLESS NOTED OTHERWISE
    b. EXPOSED PANEL EDGES: PROVIDE LC-BEAD (J-BEAD) UNLESS NOTED OTHERWISE; USE TEAR-AWAY BEAD WHERE GYP. BD. MEETS WINDOW FRAMES OR CEILING GRID.
    c. CONTROL JOINTS: PROVIDE WHERE INDICATED OR APPROXIMATELY 30'-0" MAX. CONTACT ARCHITECT FOR LOCATIONS IF NOT INDICATED.
    d. REVEALS AND MOLDINGS: EXTRUDED ALUMINUM WITH CLASS II CLEAR ANODIZED FINISH.
  2. SOUND-ATTENUATION BLANKETS: ASTM C 665, TYPE I (UNFACED)
  3. ACOUSTICAL SEALANT: COMPLY WITH ASTM C 834, NONSAG, PAINTABLE, NONSTAINING LATEX.

C. FIRE-RESISTANCE-RATED ASSEMBLIES: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO 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 OF GYPSUM BOARD AS NECESSARY TO MAINTAIN THE FIRE RATED ASSEMBLY BEHIND THE LAYER CONTAINING THE REVEALS.

D. STC-RATED ASSEMBLIES: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLIES PER ASTM E 90 AND CLASSIFIED PER ASTM E 413 BY A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY.

(CONT) 092900 GYPSUM BOARD

E. INSTALLATION:
  1. 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.
  2. 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 FOLLOWS:
    a. LEVEL 1 (EMBED TAPE AT JOINTS)
      - LOCATIONS: AT CONCEALED AREAS UNLESS A HIGHER LEVEL IS INDICATED OR REQUIRED FOR FIRE-RESISTANCE-RATED ASSEMBLY.
    b. LEVEL 2 (EMBED TAPE AND APPLY SEPARATE FIRST COAT OF JOINT COMPOUND TO TAPE. FASTENERS, AND TRIM FLANGES AND SAND SMOOTH AFTER EACH COAT)
      - LOCATIONS: AT SUBSTRATES BEHIND TILE.
    c. LEVEL 4 (EMBED TAPE AND APPLY SEPARATE FIRST, FILL, AND FINISH COATS OF JOINT COMPOUND TO TAPE, FASTENERS, AND TRIM FLANGES AND SAND SMOOTH AFTER EACH COAT)
      - LOCATIONS: AT ALL WALLS RECEIVING FLAT OR SATIN SHEEN PAINT OR WALLCOVERING
    d. 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 COAT)
      - 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
  3. 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

A. SUBMITTALS: PRODUCT DATA FOR SETTING AND GROUTING MATERIALS AND THREE (3) SAMPLES OF EACH TILE SPECIFIED FOR VERIFICATION PURPOSES.

B. ATTIC STOCK: FURNISH 2% OF EACH TYPE OF CERAMIC TILE PACKAGED WITH PROTECTIVE COVERING AND LABELED FOR STORAGE.

C. TILE: COMPLY WITH STANDARD GRADE REQUIREMENTS IN ANSI A137.1 "SPECIFICATIONS FOR CERAMIC TILE" FOR PRODUCTS AND SIZES INDICATED IN THE CONSTRUCTION DOCUMENTS. FLOOR TILE SHALL HAVE A STATIC COEFFICIENT OF FRICTION OF 0.6 OR GREATER PER ASTM C 1028.

D. INSTALLATION MATERIALS:
  1. THIN-SET MORTAR:
    a. TYPICAL INTERIOR INSTALLATIONS: LATEX/POLYMER MODIFIED PORTLAND CEMENT COMPLYING WITH ANSI A108.5 AND ANSI 118.4.
    b. GLASS TILE: PER TILE MANUFACTURER'S RECOMMENDATIONS
  2. GROUT:UNSANDED FOR JOINTS 1/16" WIDTH OR LESS, SANDED FOR JOINTS GREATER THAN 1/16" IN COLOR INDICATED OR TO BE SELECTED.
    a. TYPICAL INTERIOR INSTALLATIONS: STANDARD CEMENT GROUT,
    b. FOOD SERVICE, BUILDING LOBBIES, AND RESTROOMS: WATER-CLEANABLE EPOXY
  3. SETTING BED ACCESSORIES: ANSI A 108.1A

E. 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 CONCRETE SLAB)
  2. ON-GRADE CONCRETE SLABS: TCA F113 (THIN-SET MORTAR BONDED TO CONCRETE SLAB)
  3. ELEVATED CONCRETE SLABS: TCA F113 (THIN-SET MORTAR BONDED TO CONCRETE SLAB) IF FLOOR IS SUBJECT TO MOVEMENT AND DEFLECTION CONTACT ARCHITECT FOR ALTERNATE METHOD.
  4. FLOORS IN FOOD SERVICE, BUILDING LOBBIES, AND RESTROOMS: TCA F-115 (THIN-SET MORTAR BONDED TO CONCRETE SUBFLOOR WITH EPOXY GROUT)
  5. OVER CMU OR CONCRETE: TCA W202 (LATEX PORTLAND CEMENT MORTAR OVER CONCRETE OR MASONRY).
  6. OVER GYPSUM BOARD: TCA W243 (THIN-SET MORTAR BONDED TO GYPSUM BOARD)
  7. OVER COATED GLASS-MAT BACKER BOARD: TCA W245 (THIN-SET MORTAR BONDED TO BACKER BOARD)

F. 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 EXPOSED EDGE.

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.
  3. 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.
  4. SEALER: AFTER FULLY CURED, GROUT SHALL BE SEALED WITH TWO (2) COATS OF COMMERCIAL QUALITY PENETRATING SILICONE SEALER.

093033 DIMENSION STONE TILE

A. SUBMITTALS: PRODUCT DATA FOR SETTING AND GROUTING MATERIALS AND THREE (3) SAMPLES OF EACH TILE SPECIFIED FOR VERIFICATION PURPOSES.

B. ATTIC STOCK: FURNISH 2% OF EACH TYPE OF STONE TILE PACKAGED WITH PROTECTIVE COVERING AND LABELED FOR STORAGE.

C. STONE TILE: COMPLY WITH STANDARDS BELOW FOR PRODUCTS, SIZES, THICKNESSES, AND FINISHES INDICATED IN THE CONSTRUCTION DOCUMENTS.
  1. GRANITE: COMPLY WITH ASTM C 615,
  2. LIMESTONE: COMPLY WITH ASTM C568, CLASSIFICATION II (MEDIUM DENSITY), OR CLASSIFICATION III (HIGH DENSITY
  3. MARBLE: COMPLY WITH ASTM C 503, CLASSIFICATION I (CALCITE), OR CLASSIFICATION II (DOLOMITE).
  4. SLATE: COMPLY WITH ASTM C 629 CLASSIFICATION I (EXTERIOR), OR CLASSIFICATION II (INTERIOR).
  5. TRAVERTINE: COMPLY WITH ASTM C 1527 CLASSIFICATION I (EXTERIOR), OR CLASSIFICATION II (INTERIOR)

D. INSTALLATION MATERIALS:
  1. 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.

E. 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.
  1. ON-GRADE CONCRETE SLABS: TCA F113 (THIN-SET MORTAR BONDED TO CONCRETE SLAB)
  2. ELEVATED CONCRETE SLABS: TCA F113 (THIN-SET MORTAR BONDED TO CONCRETE SLAB) IF FLOOR IS SUBJECT TO MOVEMENT AND DEFLECTION CONTACT ARCHITECT FOR ALTERNATE METHOD.
  3. 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)

F. GROUT JOINTS:
  1. JOINT SIZE: SET TILE WITH THE SMALLEST GROUT JOINT ACHIEVABLE 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 AND BASE ARE THE SAME SIZE, UNLESS INDICATED OTHERWISE.
  3. 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.
  4. SEALER: AFTER FULLY CURED AND CLEANED, TILE AND GROUT SHALL BE SEALED ACCORDING TO SEALER MANUFACTURER'S WRITTEN INSTRUCTIONS.

095123 ACOUSTICAL TILE CEILINGS

A. SUBMITTALS: PRODUCT DATA

B. ATTIC STOCK: FURNISH 2% OF EACH TYPE OF CEILING TILE PACKAGED WITH PROTECTIVE COVERING AND LABELED FOR STORAGE.

C. 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 ASTM E 84.

D. 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.
  2. 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.
  3. SEISMIC STRUTS: MANUFACTURER'S STANDARD PRODUCT DESIGNED TO ACCOMMODATE SEISMIC FORCES.
  4. HOLD-DOWN CLIPS: PROVIDE HOLD-DOWN CLIPS ON CEILING TILE IN ENTRANCE VESTIBULES, COMPUTER ROOMS EMPLOYING DRY CHEMICAL FIRE-SUPPRESSION SYSTEMS, AND OTHER AREAS AS INDICATED.

E. INSTALLATION: COMPLY WITH ASTM C 636 AND CISCA'S "CEILING SYSTEMS HANDBOOK".
  1. SEQUENCE WORK TO ENSURE ACOUSTICAL CEILINGS ARE NOT INSTALLED UNTIL BUILDING IS ENCLOSED, SUFFICIENT HEAT IS PROVIDED, DUST GENERATION ACTIVITIES HAVE TERMINATED, AND OVERHEAD WORK IS COMPLETED, TESTED, AND APPROVED.
  2. 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 REFLECTED CEILING PLAN.
  3. SUPPORT SUSPENSION SYSTEM INDEPENDENTLY OF DUCTS, PIPES, AND CONDUITS.
  4. SUPPORT FIXTURE LOADS USING SUPPLEMENTARY HANGERS LOCATED WITHIN 6" OF EACH CORNER OR SUPPORT FIXTURES INDEPENDENTLY.
  5. PROVIDE MATCHING PERIMETER MOLDING INSTALLED IN BEAD OF ACOUSTICAL SEALANT AT ALL LOCATIONS WHERE CEILING INTERSECTS VERTICAL SURFACES. USE MATCHING PRE-FORMED CLOSURES AT ROUND OR CURVED OBSTRUCTIONS.
  6. FIELD-CUT EDGES SHALL MATCH PROFILE OF FACTORY EDGES.

096513 RESILIENT BASE AND ACCESSORIES

A. SUBMITTALS: PRODUCT DATA AND THREE (3) SAMPLES OF EACH TILE AND BASE SPECIFIED FOR VERIFICATION PURPOSES.

B. ATTIC STOCK: FURNISH 20' OF EACH COLOR AND TYPE OF WALL BASE PACKAGED WITH PROTECTIVE COVERING AND LABELED FOR STORAGE.

C. RESILIENT WALL BASE: ASTM TYPE TS (RUBBER, VULCANIZED THERMOSET) 1/8" THICK, FURNISHED IN COILS IN STYLES AND SIZES INDICATED IN THE CONSTRUCTION DOCUMENTS WITH JOB-FORMED INSIDE AND OUTSIDE CORNERS.

D. WALL BASE AND ACCESSORY INSTALLATION:
  1. CONFIRM THAT SOLID BACKING IS PROVIDED BEHIND ALL WALL BASE. AREAS WHERE GYPSUM BOARD IS HELD MORE THAN 1/2" ABOVE SLAB SHALL BE FILLED IN PRIOR TO BASE INSTALLATION.
  2. INSTALL WALL BASE WITH MANUFACTURER'S RECOMMENDED ADHESIVE IN MAXIMUM LENGTHS POSSIBLE. APPLY TO WALLS, COLUMNS, PILASTERS, CASEWORK, AND OTHER PERMANENT FIXTURES.
  3. INSTALL TRANSITION STRIPS WHERE FLOORING MATERIALS MEET OR WHERE EDGE OF TILE IS EXPOSED AS INDICATED IN THE FINISH SCHEDULE.

097200 WALL COVERINGS

A. SUBMITTALS: THREE (3) SAMPLES OF EACH WALLCOVERING SPECIFIED FOR VERIFICATION PURPOSES.

B. ATTIC STOCK: FURNISH FULL-WIDTH ROLLS OF EACH WALLCOVERING EQUAL TO 5% OF AMOUNT OF EACH TYPE INSTALLED, PACKAGED WITH PROTECTIVE COVERING AND LABELED FOR STORAGE.

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

D. INSTALLATION
  1. CLEAN SUBSTRATES OF SUBSTANCES THAT COULD IMPAIR WALLCOVERING BOND, INCLUDING MOLD, MILDEW, OIL, GREASE, INCOMPATIBLE PRIMERS AND DIRT AND PRIME AS NECESSARY.
  2. PRIME NEW GYPSUM BOARD WITH PRIMER RECOMMENDED BY WALLCOVERING MANUFACTURER.
  3. ACCLIMATIZE WALLCOVERING MATERIALS BY REMOVING THEM FROM PACKAGING IN THE INSTALLATION AREAS NOT LESS THAN 24 HOURS PRIOR TO INSTALLATION.
  4. INSTALL SEAMS VERTICAL AND PLUMB, WITH NO HORIZONTAL SEAMS, AND NO OVERLAPPED SEAMS UNLESS "RAILROADING" IS SPECIFIED ON THE CONSTRUCTION DOCUMENTS. MATCH OR RANDOM MATCH PATTERN AND REVERSE HANG WHEN INDICATED IN MANUFACTURER'S INSTRUCTIONS.
  5. WHERE WALL SURFACES EXTEND INTO THE SAME PLANE AS VERTICAL FACES OF CEILING SOFFITS, CONTACT ARCHITECT FOR INSTRUCTIONS ON FINISHING OF VERTICAL FACES.

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

097720 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)

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

099123 PAINTING

A. SUBMITTALS: PRODUCT DATA AND THREE (3) DRAW-DOWN SAMPLES OF EACH COLOR AND SHEEN SPECIFIED.

B. ATTIC STOCK: FURNISH ONE (1) GALLON OF EACH PAINT COLOR AND SHEEN, IN CONTAINERS, PROPERLY LABELED AND SEALED.

C. 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.

D. APPLICATION:
  1. EQUIPMENT: APPLY COATINGS BY BRUSH, ROLLER, SPRAY, OR OTHER APPLICATORS ACCORDING TO COATING MANUFACTURER'S WRITTEN INSTRUCTIONS. WHEN SPRAYED, EXTERIOR COATINGS SHALL BE BACK-ROLLED FOLLOWING SPRAY APPLICATION. USE ROLLERS FOR FINISH COAT ON INTERIOR WALLS AND CEILINGS.
  2. 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 IMPERFECTIONS.

E. PAINT SYSTEMS - EXTERIOR: PROVIDE THE FOLLOWING PAINT SYSTEMS FOR THE EXTERIOR SUBSTRATE INDICATED:
  1. FERROUS METAL: SEMIGLOSS ALKYD ENAMEL: TWO COATS OVER RUST-INHIBITIVE PRIMER
  2. ZINC-COATED METAL: SEMIGLOSS ALKYD ENAMEL: TWO COATS OVER GALVANIZED METAL PRIMER.
  3. ALUMINUM: SEMIGLOSS ALKYD ENAMEL: TWO COATS OVER PRIMER

F. PAINT SYSTEMS - INTERIOR: PROVIDE THE FOLLOWING PAINT SYSTEMS FOR THE INTERIOR SUBSTRATE INDICATED
  1. GYPSUM BOARD: ACRYLIC ENAMEL; SHEEN AS INDICATED: TWO COATS OVER PRIMER
  2. WOODWORK: SEMI-GLOSS ALKYD ENAMEL: TWO COATS OVER PRIMER
  3. STAINED WOODWORK: ALKYD-BASED, SATIN VARNISH: TWO COATS OVER SEALER AND WOOD STAIN
  4. NATURAL FINISH WOODWORK: ALKYD-BASED, SATIN VARNISH: TWO COATS OVER SEALER
  5. FERROUS METAL: SEMIGLOSS ACRYLIC ENAMEL: TWO COATS OVER FERROUS METAL PRIMER
  6. ZINC COATED METAL: ACRYLIC ENAMEL; SHEEN AS INDICATED: TWO COATS OVER GALVANIZED METAL PRIMER

- END DIVISION 9 -

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

DAVID ALAN WILLIAMS
NUMBER A-5548

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE

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SHEET TITLE

PROJECT SPECIFICATIONS

SHEET NUMBER

A11.11

DIVISION 12 - FURNISHINGS

122413 ROLLER WINDOW SHADES

A. SUBMITTALS:
1. PRODUCT DATA FOR EACH PRODUCT TYPE
2. MATERIAL SAMPLES FOR SHADE FABRIC OPTIONS AND FASCIA OPTIONS REPRESENTING MANUFACTURER'S FULL RANGE OF AVAILABLE PATTERNS AND COLORS.
3. SHOP DRAWINGS SHOWING FABRICATION AND INSTALLATION DETAILS
4. OPERATION AND MAINTENANCE DATA

B. WARRANTIES: ROLLER SHADE HARDWARE, CHAIN, AND SHADECLOTH: 10 YEARS

C. ACCEPTABLE MANUFACTURERS: MECHOSHADE SYSTEMS, INC., HUNTER-DOUGLAS CONTRACT, WT SHADE, OR APPROVED EQUAL. MUST OBTAIN ROLLER SHADES FROM SINGLE SOURCE FROM SINGLE MANUFACTURER.

D. PRODUCTS:
1. 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.
2. CONFIGURATION: ONE-PIECE UNITS EXTENDING FROM WINDOW HEAD TO SILL, UNLESS NOTED OTHERWISE. SEE CONSTRUCTION DRAWINGS FOR MOUNTING LOCATION.
3. TYPE: MANUALLY OPERATED, CHAIN DRIVEN, SUNSCREEN ROLLER SHADES.
4. 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 SELECTED FOM MANUFACTURER'S FULL AVAILABLE RANGE.
   a. ECOFABRIX: 253-89 (GRAY BLACK)
   b. OPENNESS FACTOR: 1%
   c. FIRE-TEST RESPONSE CHARACTERISTICS: COMPLY WITH NFPA 701-99
5. ACCESSORIES:
   a. FASCIA: FURNISH CONTINUOUS REMOVABLE EXTRUDED ALUMINUM FASCIA TO FULLY CONCEAL BRACKETS, SHADE ROLLER, AND FABRIC ON THE TUBE THAT ATTACHES TO SHADE MOUNTING BRACKETS WITHOUT THE USE OF ADHESIVES, MAGNETIC STRIPS OR EXPOSED FASTENERS. PROVIDE END CAPS WHERE WHERE MOUNTING CONDITIONS EXPOSE OUTSIDE OF ROLLER SHADE BRACKETS.
   b. SHADE POCKET: WHERE INDICATED, FURNISH EXTRUDED ALUMINUM SHADE POCKETS WITH EXPOSED EXTRUDED ALUMINUM CLOSURE MOUNT, TILE SUPPORT, AND REMOVABLE CLOSURE PANEL TO PROVIDE ACCESS TO SHADES.

E. INSTALLATION: FURNISH AND INSTALL SHADES ON ALL EXTERIOR GLASS EXCEPT LOBBY AND VESTIBULE 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

A. SUBMITTALS: SHOP DRAWINGS INCLUDING DIMENSIONED PLANS, ELEVATIONS, CONNECTION DETAILS, AND DETAILS OF WALL SUPPORTS, PRODUCT DATA, AND COLOR CHARTS

B. STAINLESS STEEL TOILET COMPARTMENTS:
1. TOILET-ENCLOSURE STYLE: CEILING HUNG
2. URINAL-SCREEN STYLE: WALL HUNG WITH INTEGRAL FLANGES

C. 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, SIDSCOLORATIONS, OR OTHER IMPERFECTIONS.
1. STAINLESS STEEL SHEETS: ASTM A 666, TYPE 304, NO. 3 OR NO. 4 DIRECTIONAL POLISH.
2. 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, 1 1/4" MINIMUM FOR PILASTERS.
3. GRAB BAR REINFORCING: PROVIDE CONCEALED INTERNAL REINFORCEMENT FOR GRAB BARS MOUNTED ON UNITS TO MEET ALL REQUIREMENTS.

D. FABRICATION: MOUNTING AND BRACING TYPE AS INDICATED ON CONSTRUCTION DOCUMENTS
1. 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.
2. 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.
   c. COAT HOOK: COMBINATION HOOK AND RUBBER-TIPPED BUMPER, SIZED TO PREVENT DOOR FROM HITTING COMPARTMENT-MOUNTED ACCESSORIES.
   d. DOOR BUMPER: RUBBER-TIPPED BUMPERS AT OUT-SWINGING DOORS
   e. DOOR PULL: PROVIDE AT OUT-SWINGING DOORS.

E. 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.
1. 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 ACCESSORIES.

- END DIVISION 10 -

DIVISION 14 - CONVEYING SYSTEMS

14123.16 MACHINE ROOM-LESS ELECTRIC TRACTION PASSENGER ELEVATORS

A. SUBMITTALS:
1. 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 HOISTWAY. INDICATE DETAILED ELECTRICAL REQUIREMENTS AND LOADS IMPOSED ON THE STRUCTURE.
2. PRODUCT DATA INDICATING COMPLIANCE WITH REQUIREMENTS.
3. FINISH SAMPLES
4. INSPECTION AND ACCEPTANCE CERTIFICATES AND OPERATING PERMITS AS REQUIRED BY AUTHORITIES HAVING JURISDICTION
5. 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. ELEVATORS: BASIS OF DESIGN: KONE MACHINE ROOM-LESS, ECOSPACE
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:
1. ELEVATOR #1 AND 2 (PASSENGER):
   a. RATED LOAD: 2500 LB
   b. RATED SPEED: 110 FPM
   c. CAB HEIGHT: 10'-0"
   d. DOOR HEIGHT: 8'-0"
   e. ACCOMODATE PORCELAIN FLOOR TILE IN WEIGHT CAPACITY

C. CAR ENCLOSURES AND ENTRANCES:
1. 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.
2. REAR AND SIDE WALLS:
   a. REINFORCED ENAMELED STEEL CAB WALLS PREPARED FOR CUSTOM APPLIED FINISHES AND WITH SOUND DEADENING MATERIAL APPLIED TO THE EXTERIOR OF THE CAB WALLS.
   b. REINFORCED ENAMELED STEEL CAB WALLS WITH REMOVABLE PLASTIC LAMINATE PANELS APPLIED WITH SOUND DEADENING MATERIAL APPLIED TO THE EXTERIOR OF THE CAB WALLS.
3. CEILING: REFERENCE FINISH SCHEDULE AND NOTES
4. FLOOR: SUBFLOOR DESIGNED TO RECEIVE PORCELAIN TILE, REFERENCE FINISH SCHEDULE AND NOTES.
5. HANDRAILS: MANUFACTURER'S STANDARD SATIN STAINLESS STEEL PIPE RAIL ON REAR WALL.
6. SILL: EXTRUDED ALUMINUM WITH GROOVED SURFACE, 1/4" THICKNESS.
7. PROTECTION PADS: FURNISH ONE (1) SET OF STUDS AND PROTECTION PADS PER ELEVATOR.

D. OPERATING SYSTEM: AS DEFINED IN ASME A17.1
1. SIMPLEX

E. SIGNAL EQUIPMENT:
1. ILLUMINATED HALL-CALL AND CAR-CALL BUTTONS: SATIN STAINLESS STEEL LOCATED BESIDE (NOT IN) DOOR FRAME.
2. CONTROL STATION: RECESSED NO. 4 SATIN STAINLESS STEEL
3. 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.
7. 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.

F. INSTALLATION:
1. 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 SAND.
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.
5. 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

A. SEE ELECTRICAL PLANS FOR SPECIFICATION OF FIRE ALARM SYSTEMS.
B. 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

A. SEE MECHANICALPLANS FOR SPECIFICATIONS OF FIRE SUPPRESSION SYSTEMS
B. 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.
C. 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.
D. 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.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

PARAGON STAR
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	FOGEL ANDERSON

FINKLE + WILLIAMS
ARCHITECTURE
7007 College Blvd, Suite 415
Overland Park, Kansas 66211
913+498-1550

SHEET TITLE

PROJECT SPECIFICATIONS

SHEET NUMBER

A11.12

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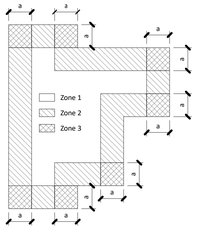
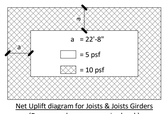




RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

Governing Building Code: 2018 IBC

Design Specifications:
- ASCE 7-16
- ACI 318-16
- ACI 530-16
- AISC 360-15
- AISI S100-16
- ANSI / AWC NDS-18

Roof Loads:
- Dead Load: 20 psf
- Live Load: 20 psf

Floor Loads:
- Dead Load: 48 psf
- Office Live: 80 psf

Wind Loads:
- Occupancy: III
- Velocity: 118 mph
- Exposure: B
- Iw: 1.0

Snow Loads:
- Pg: 20 psf
- Pf: 22 psf
- Ce: 0.9
- Is: 1.1
- Ct: 1.0

Drift Load: Per Plan

Seismic Loads:
- Ie: 1.25
- Ss: 0.098 g
- S1: 0.068 g
- Site Class: D
- Sds: 0.105 g
- Sd1: 0.109 g
- Seismic Design Category: B
- Seismic Force- Resisting System: S.O.M.F.
- Design Base Shear: CsW
- Cs: 0.0373
- R: 3.5
- Analysis Procedure Used: E.L.F.P.

Design Loading Notes:

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

Components & Cladding Wind Zone Diagram

COMPONENTS & CLADDING WIND PRESSURES			
Zone	Effective Wind Area (sq ft)	Max. +VE Pressure (psf)	Max. -VE Pressure (psf)
1 - Roof Interior	10	10.9	-42.6
1 - Roof Interior	20	10.2	-39.8
1 - Roof Interior	50	9.3	-36.1
1 - Roof Interior	≥ 100	8.6	-33.3
2 - Roof Edge	10	10.9	-56.2
2 - Roof Edge	20	10.2	-52.6
2 - Roof Edge	50	9.3	-47.8
2 - Roof Edge	≥ 100	8.6	-44.2
3 - Roof Corner	10	10.9	-76.6
3 - Roof Corner	20	10.2	-69.4
3 - Roof Corner	50	9.3	-59.8
3 - Roof Corner	≥ 100	8.6	-52.6
4 - Wall Interior	10	24.5	-26.5
4 - Wall Interior	20	23.4	-25.4
4 - Wall Interior	50	22.0	-24.0
4 - Wall Interior	≥ 100	20.9	-22.9
4 - Wall Interior	≥ 500	18.4	-20.4
5 - Wall Edge	10	24.5	-32.6
5 - Wall Edge	20	23.4	-30.5
5 - Wall Edge	50	22.0	-27.6
5 - Wall Edge	≥ 100	20.9	-25.4
5 - Wall Edge	≥ 500	18.4	-20.4

1. The components & cladding (C&C) wind pressures shown assume a mean roof height of 38'-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 = 22'-8"

4. Internal Pressure Coefficient = ±0.18

Net Uplift diagram for Joists & Joists Girders
(Pressures shown are service level.)

General:
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, 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 construction.

6. See architectural, mechanical, and electrical drawings for other pertinent information related to the 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, techniques, sequences, or procedures, for safety precautions & programs in connection with the work, for the acts or 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.

Slab On Grade:

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

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 1155.

Foundations:

1. Foundations for this project have been designed in accordance with requirements set forth in a geotechnical report prepared by Terracon Consultants (Project #02195181 Drilled Shafts dated August 2, 2019.) Drilled shafts 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:

Location	Minimum Compressive Strength (psi)	Max. Aggregate Size	Max. Water/Cement Ratio	Slump (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 shown with same steel as in similar sections or areas.

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 drawings:

Cast against earth: 3"

Formed concrete exposed to earth or weather: 2"

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 plastic-tipped feet.

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 40°F.

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.

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

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

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.

18. Refer to the geotechnical report for behind wall drainage recommendations. G.C. to coordinate with civil drawings as required. Refer to architectural drawings for foundation waterproofing and insulation requirements.

Post-Installed Anchors:

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

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

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
   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:
   a. Hilti KH-EZ
   b. Powers Wedge Bolt+
   c. Simpson Strong-Tie Titan HD
   d. Or Approved Equivalent

Masonry:

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 ASTM C476.

3. All masonry shall be reinforced with horizontal 9 gauge truss type reinforcement at 16" o.c. vertical or as shown on the drawings.

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 Engineer.

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:

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

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

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

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

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 other wise.

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 due to uplift.

7. All bar joists shall be designed to resist loads induced by fascia panel bracing members.

8. 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 erection stability.

9. 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.

10. 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 the Engineer.

11. All steel stairs, excluding the main stair, shall be designed by the steel stair manufacturer in compliance with the governing building code to meet 100 psf design live load.

Light Gauge Metal Framing:

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 track.

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 paint.

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 Thickness (in.)	Design Thickness (in.)	Inside Corner Radius (in.)	Gauge No. (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

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

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

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.

Earthwork:

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 report.

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.

7. Test compaction of soils-in-place in accordance with ASTM D 1556, ASTM D 2167, ASTM D 2922, and ASTM D 2937, as applicable.

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.

Concrete:

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 ASTM C143.

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.

2. Field Welding: Inspection is required for single-pass fillet welds, multi-pass fillet welds, complete- and partial-penetration 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.

4. Shear connector stud welds will be inspected and tested according to AWS D1.1 for stud welding. Shear connector stud welds shall be visually inspected. Bend tests shall be performed if visual inspections reveal less than 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 fabricators.

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.

Masonry:

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 140.

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.

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

Required Verification and Inspection of Steel Construction Other Than Structural Steel Per IBC Table 1705.2.2

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

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

Required Special Inspections of Open-Web Steel Joists and Joist Girders Per IBC Table 1705.2.3

Type	Continuous Special Inspection	Periodic Special Inspection	Referenced Standard
1. Installation of open web steel joist and joist girders:			
a. End Connections - welding or bolted.	-	X	SJI Specifications listed in Section 2207.1.
b. Bridging - horizontal or diagonal.	-		
1. Standard bridging.	-	X	SJI Specifications listed in Section 2207.1.
2. Bridging that differs from the SJI specifications listed in Section 2207.1.	-	X	

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

Required Special Inspections and Tests of Concrete Construction Per IBC Table 1705.3

Type	Continuous Special Inspection	Periodic Special Inspection	Referenced Standard
1. Inspect reinforcement, including prestressing tendons, and verify placement.	-	X	ACI 318 Chp. 20, 25.2, 25.3, 26.6.1.-26.6.3.
2. Reinforcing bar welding: a. Verify weldability of reinforcing bars other than ASTM A706 b. Inspect single-pass fillet welds, maximum 5/16"; and c. Inspect all other welds.	- - X	X X -	AWS D1.4 ACI 318: 26.6.4
3. Inspect anchors cast in concrete.	-	X	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.	-	X	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.	X	-	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12
7. Inspect concrete and shotcrete placement for proper application techniques.	X	-	ACI 318: 26.5
8. Verify maintenance of specified curing temperatures and techniques.	-	X	ACI 318: 26.5.3-26.5.5
9. Inspect prestressed concrete for: a. Application of prestressing forces; and b. Grouting of bonded prestressing tendons.	X X	- -	ACI 318: 26.10
10. Inspect erection of precast concrete members.	-	X	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.	-	X	ACI 318: 26.11.2
12. Inspect framework for shape, location and dimensions of the concrete member being formed.	-	X	ACI 318: 26.11.1.2(B)

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

Type	Continuous Special Inspection	Periodic Special Inspection
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	-	X
2. Verify excavations are extended to proper depth and have reached proper material.	-	X
3. Perform classification and testing of compacted fill materials.	-	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	-
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	-	X

Required Special Inspections and Tests of Driven Deep Foundation Elements Per IBC Table 1705.7

Type	Continuous Special Inspection	Periodic Special Inspection
1. Verify element materials, sizes and lengths comply with the requirements.	X	-
2. Determine capacities of test elements and conduct additional load tests, as required.	X	-
3. Inspect driving operations and maintain complete and accurate records for each element.	X	-
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.	X	-
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.	-	-

Required Special Inspections and Tests of Cast-In-Place Deep Foundation Elements Per IBC Table 1705.8

Type	Continuous Special Inspection	Periodic Special Inspection
1. 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 end-bearing strata capacity. Record concrete or grout volumes.	X	-
3. For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3.	-	-

Required Quality Control Inspections (GCI) & Quality Assurance Inspections (QAI) of Steel Construction Per AISC 360, Specification Chapter M & N

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

&	AND
@	AT
°	DEGREES
=	EQUALS
'	FEET
>	GREATER THAN
≥	GREATER THAN OR EQUAL TO
"	INCHES
<	LESS THAN
≤	LESS THAN OR EQUAL TO
-	MINUS, NEGATIVE
+	PLUS
±	PLUS OR MINUS
A.F.F	ABOVE FINISHED FLOOR
ALT.	ALTERNATE
ARCH.	ARCHITECT
BLDG.	BUILDING
BM.	BEAM
B.O.S.	BOTTOM OF STEEL
BOTT.	BOTTOM
C.J.	CONTROL/CONSTRUCTION JOINT
CL	CENTER LINE
C.M.U.	CONCRETE MASONRY UNIT
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
COORD.	COORDINATE
CTR.	CENTER
DIA.	DIAMETER
DN.	DOWN
DWG.	DRAWING
E.J.	EXPANSION JOINT
E.O.R.	ENGINEER OF RECORD
EA.	EACH
EL.	ELEVATION
ELEV.	ELEVATION
ENG.	ENGINEER
EQ.	EQUAL
EQUIP.	EQUIPMENT
ETC.	ET CETERA
EXIST.	EXISTING
EXT.	EXTERIOR
F.A.	FACE
F.B.E.	FOOTING BEARING ELEVATION
F.F.E.	FINISHED FLOOR ELEVATION
F.S.	FAR SIDE
FT.	FOOT/FEET
FTG.	FOOTING/FOUNDATION
G.C.	GENERAL CONTRACTOR
GALV.	GALVANIZED
GYP.	GYPSUM
HORIZ.	HORIZONTAL
IN	INCHES
J.B.E.	JOIST BEARING ELEVATION
JT.	JOINT
KSI	KIPS PER SQUARE INCH
K	KIPS
L.F.	LINEAR FEET
LB.	POUND
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
M.B.M.	METAL BUILDING MANUFACTURER
M.E.P.	MECHANICAL ELECTRICAL PLUMBING
MAX.	MAXIMUM
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N.A.	NOT APPLICABLE
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
Ø	DIAMETER
P.E.M.B.	PRE-ENGINEERED METAL BUILDING
PL.	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
R	RADIUS
REINF.	REINFORCED
REQ'D.	REQUIRED
SF	SQUARE FEET
SIM.	SIMILAR
SPA.	SPACING
SPEC.	SPECIFICATION
SQ.	SQUARE
T.O.C.	TOP OF CONCRETE
T.O.F.	TOP OF FOOTING
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
THRU.	THROUGH
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
W.W.F.	WELDED WIRE FABRIC
WT.	WEIGHT
W/	WITH
W/O	WITHOUT

SHEET LIST

Sheet Number	Sheet Name
S0.0	GENERAL NOTES
S0.1	ISOMETRIC
S0.2	OVERALL PLAN
S1.1	FOUNDATION PLAN - WEST
S1.2	FOUNDATION PLAN - EAST
S2.1	2ND FLOOR FRAMING PLAN - WEST
S2.2	2ND FLOOR FRAMING PLAN - EAST
S2.3	ROOF FRAMING PLAN - WEST
S2.4	ROOF FRAMING PLAN - EAST
S2.5	MAIN STAIR FRAMING
S3.1	TYPICAL FOUNDATION DETAILS
S3.2	FOUNDATION DETAILS
S3.3	FOUNDATION DETAILS
S4.1	TYPICAL FRAMING DETAILS
S4.2	TYPICAL FRAMING DETAILS
S4.3	TYPICAL FRAMING DETAILS
S4.4	TYPICAL MASONRY DETAILS
S4.5	FRAMING DETAILS
S4.6	FRAMING DETAILS
S4.7	FRAMING DETAILS
S4.8	FRAMING DETAILS
S4.9	FRAMING DETAILS

MATERIALS LEGEND

ALUMINUM	▨
CONCRETE	▨
EARTH	▨
GRAVEL	▨
GROUT	▨
GYPSUM	▨
INSULATION - RIGID	▦
MASONRY - BRICK	▨
MASONRY - CMU	▩
PLYWOOD	▨
STEEL	▨
TILT / PRE-CAST	▨

SYMBOLS LEGEND

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

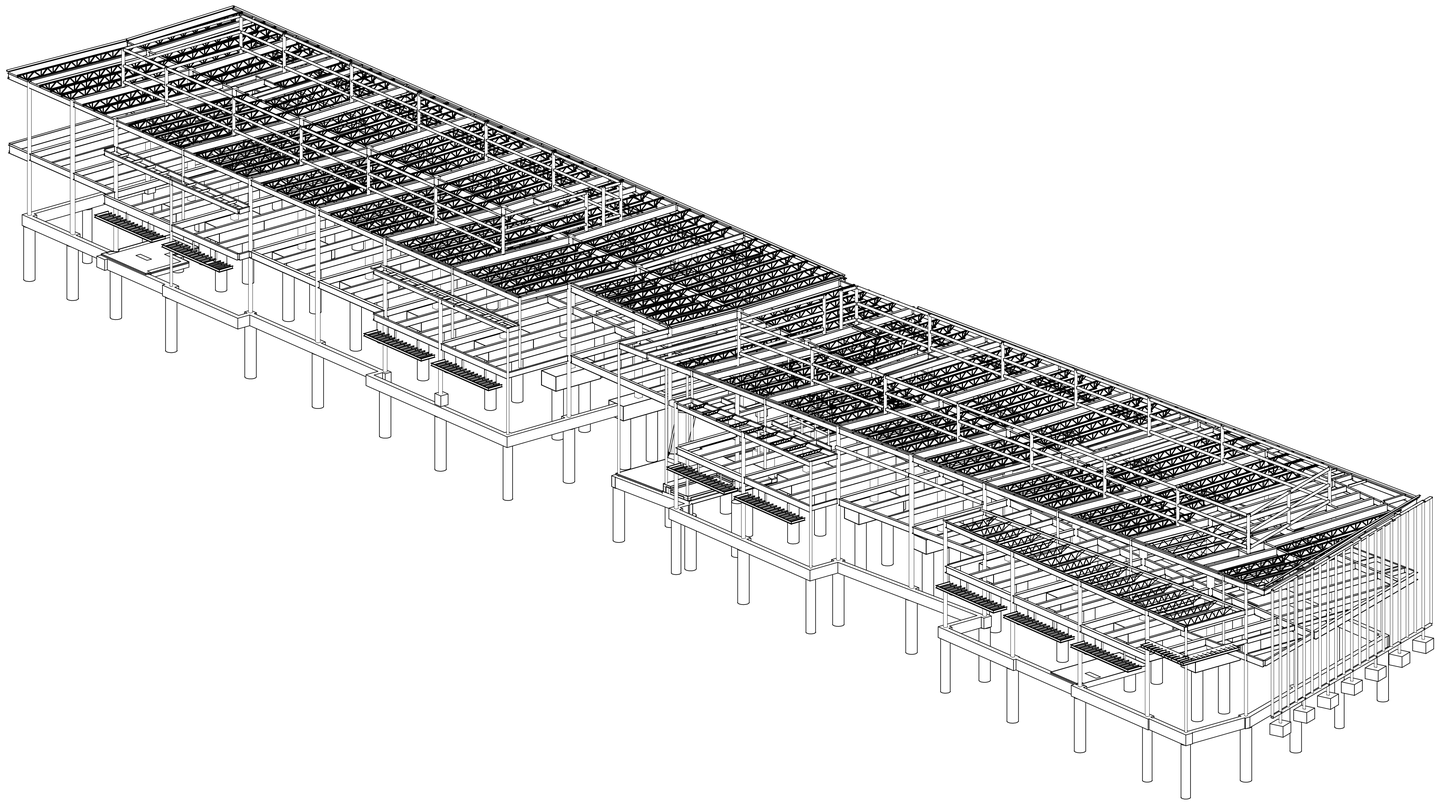
SHEET TITLE

GENERAL NOTES

SHEET NUMBER

S0.0

C:\Users\julie markham\Documents\19-354 Paragon - Lee's Summit, MO - Option 1_jmarkham@bsestructural.com.rvt

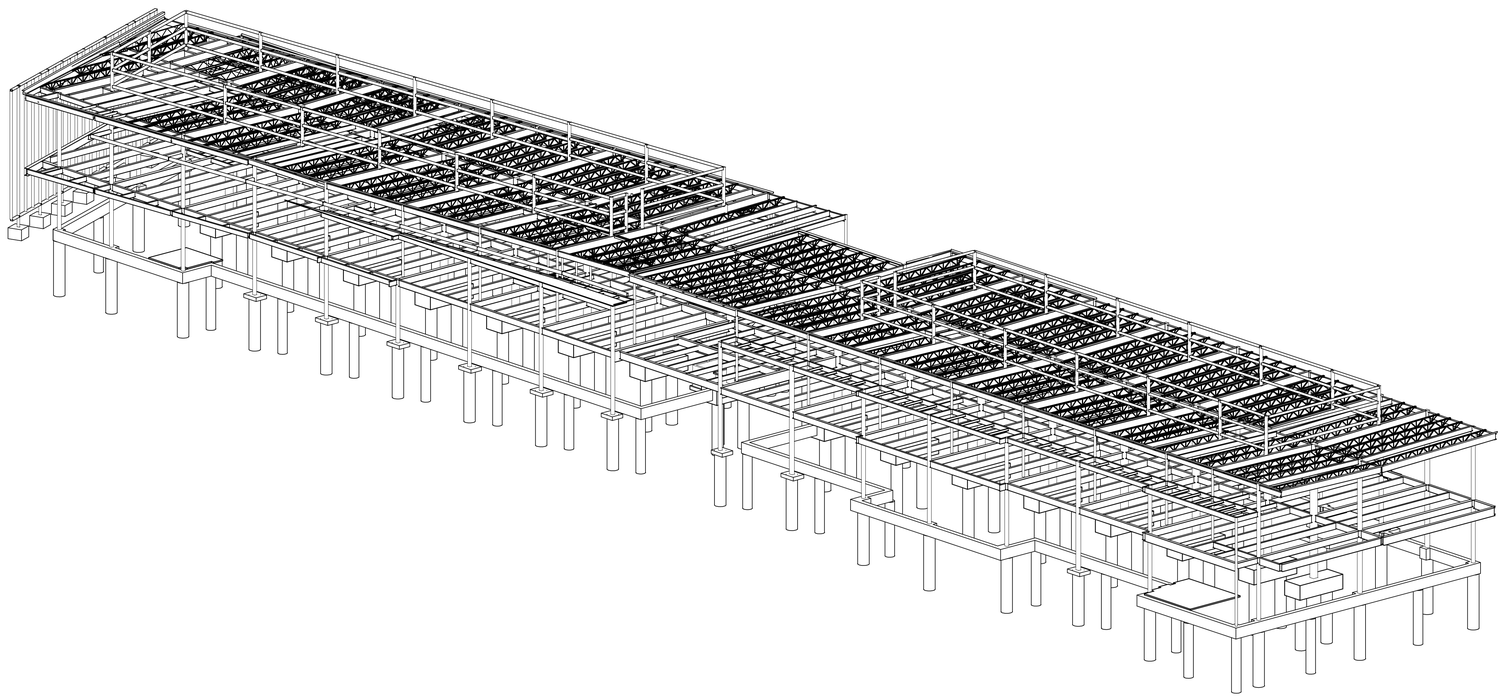


NOTES:

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

ISOMETRIC | 01

S0.1



NOTES:

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

ISOMETRIC | 02

S0.1

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RELEASE FOR CONSTRUCTION
AS NOTED FOR PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

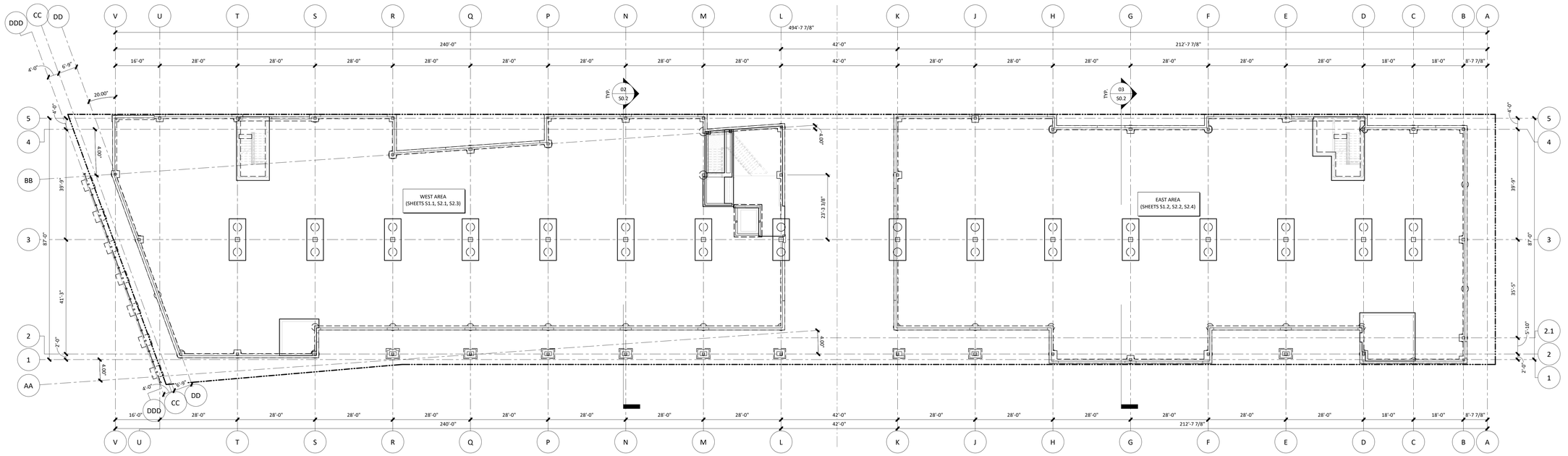
BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

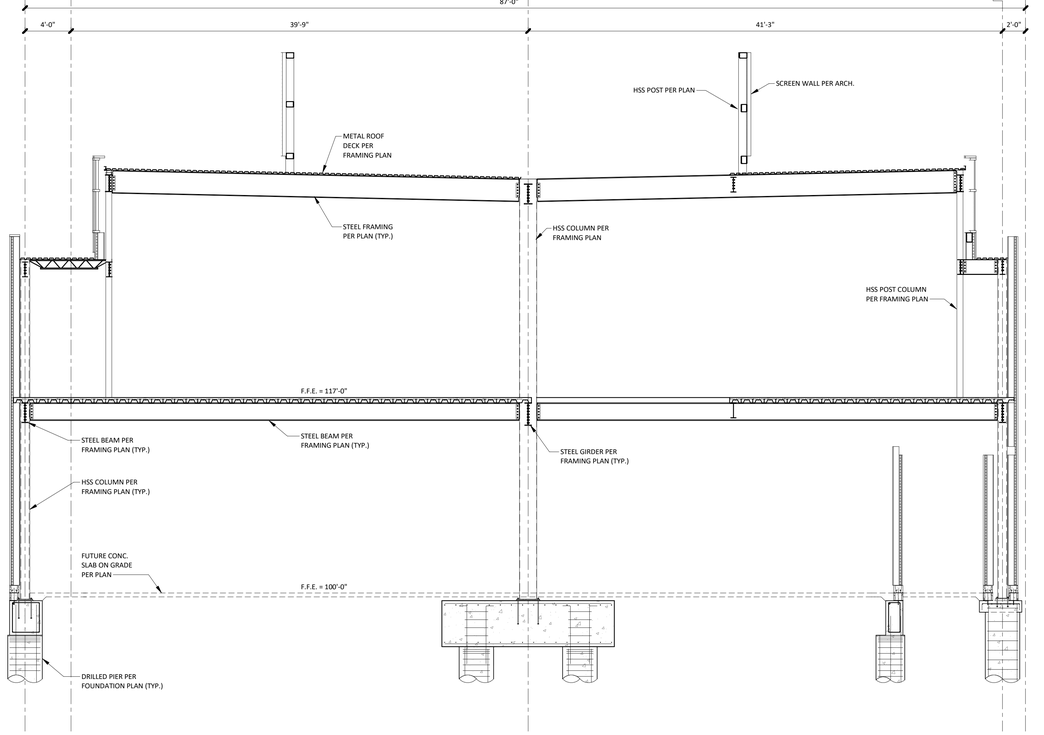
ISOMETRIC

SHEET NUMBER

S0.1



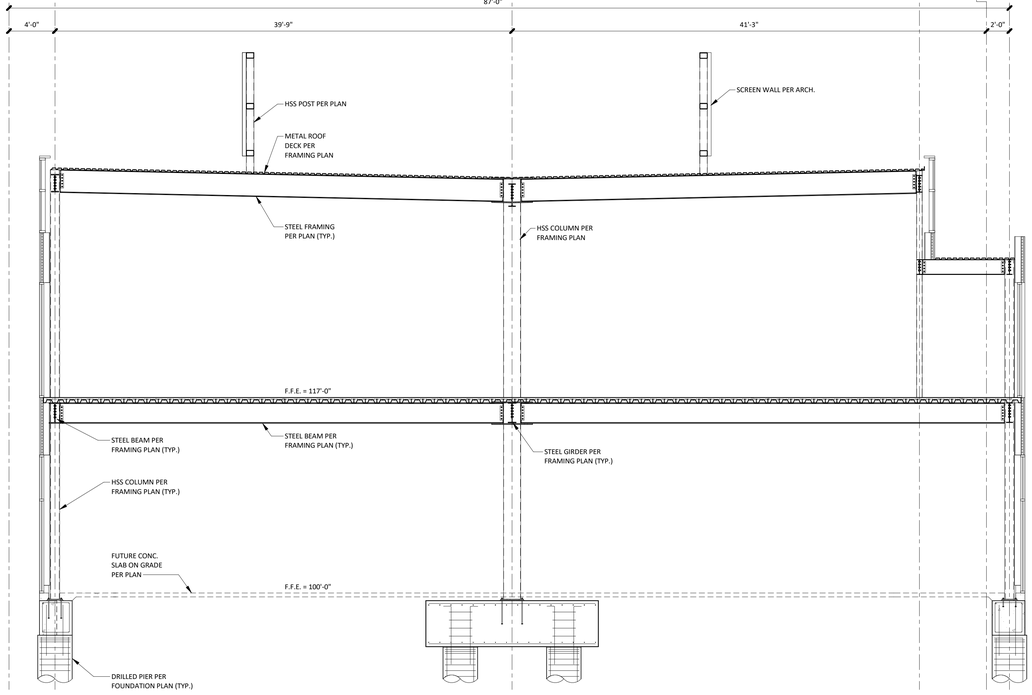
OVERALL PLAN | 01
1/16" = 1'-0" | S0.2



NOTES:

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

BUILDING SECTION | 02
3/16" = 1'-0" | S0.2



NOTES:

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

BUILDING SECTION | 03
3/16" = 1'-0" | S0.2

RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

OVERALL PLAN

SHEET NUMBER

S0.2

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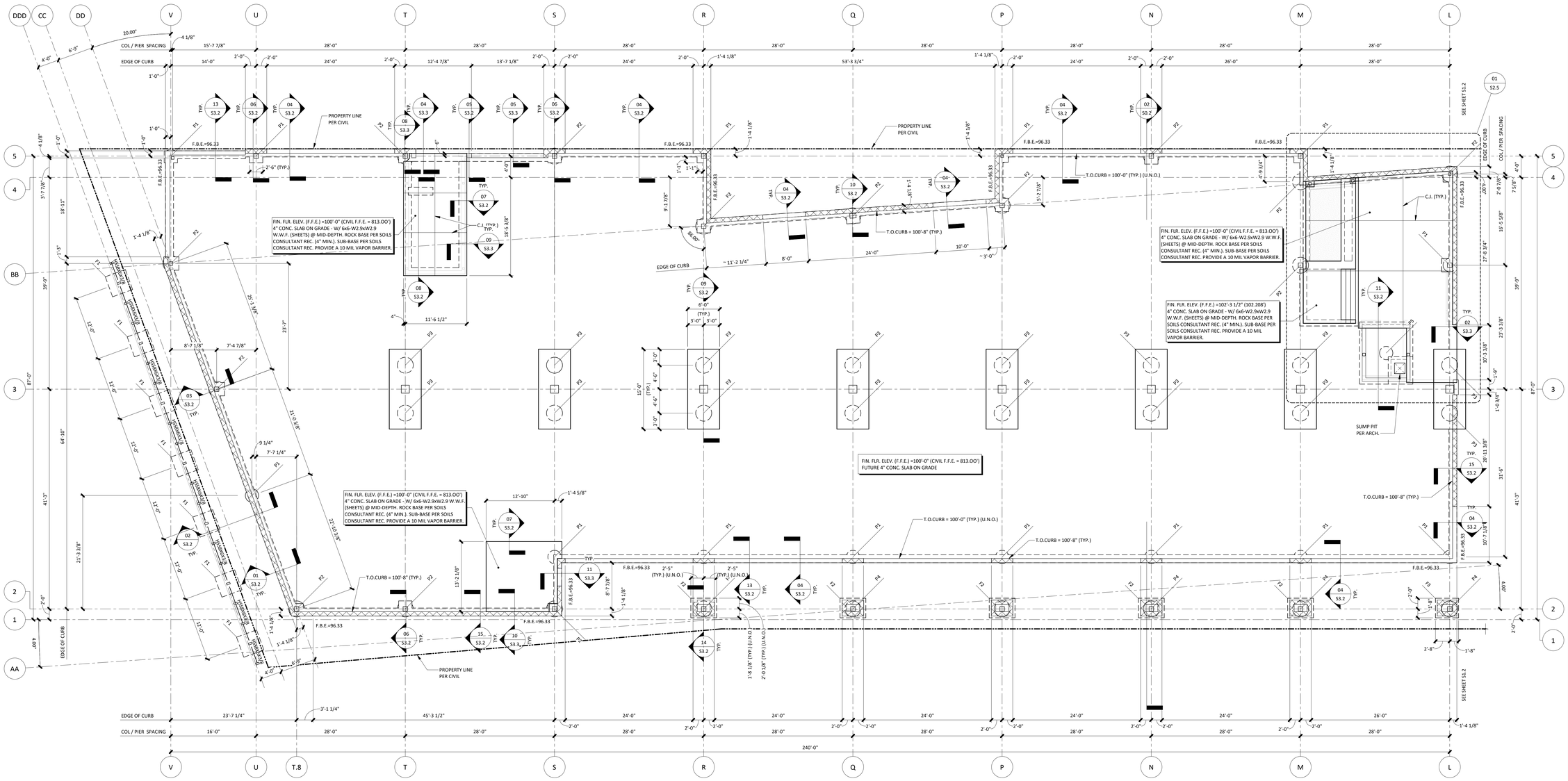


FOUNDATION SCHEDULE				
MARK	DIMENSIONS	REINFORCEMENT	F.B.E.	COMMENTS
F1	4'-0" x 4'-0" x 3'-0"	#5 @ 12" SPA. EA. WAY BOTT. & #4 @ 12" SPA. EA. WAY TOP	96.33	
F2	3'-8" x 4'-10" x 1'-0"	PER SECTION	98.33	
F3	3'-8" x 4'-4"x 1'-0"	PER SECTION	98.33	

DRILLED PIER SCHEDULE				
MARK	PIER DIAMETER	VERT. REINFORCEMENT	PIER TIES	T.O.P.
P1	30"	(16) #6	#3 @ 10" SPA.	96'-4"
P2	36"	(24) #6	#3 @ 10" SPA.	96'-4"
P3	36"	(24) #6	#3 @ 10" SPA.	95'-8"
P4	36"	(24) #6	#3 @ 10" SPA.	99'-4"
P5	30"	(16) #6	#3 @ 10" SPA.	93'-4"

NOTE:
- EMBED DRILLED PIER INTO ROCK PER THE GEOTECHNICAL REPORT RECOMMENDATIONS

NOTES:

1.) SEE DRAWING S0.0 FOR GENERAL NOTES, SYMBOLS LEGEND, MATERIALS LEGEND, & ABBREVIATION LIST.

2.) REFERENCE DRAWING S3.1 FOR TYPICAL FOUNDATION DETAILS INCLUDING ANCHOR ROD DETAILS, FOOTING STEP DETAILS, CONTROL JOINT & CONSTRUCTION JOINT DETAILS, REINF. LAP LENGTH TABLE, ETC.

3.) SEE DRAWING S0.1 & S0.2 FOR ISOMETRIC VIEW & FULL BUILDING SECTIONS.

4.) REINF. SHALL BE INSTALLED IN TOP 15'-0" OF PIERS

5.) REFER TO GEOTECHNICAL REPORT FOR SOCKET REQUIREMENTS AT BASE OF PIER.

6.) VERIFY BEARING W/ GEOTECHNICAL ENGINEER.

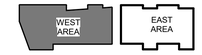
7.) REFER TO GEOTECHNICAL REPORT FOR APPROXIMATE BOTTOM OF PIER ELEVATIONS.

8.) () = BOTT. OF PIER ELEVATION FOR BIDDING PURPOSES ONLY. G.C. TO FIELD VERIFY TO ENSURE ADEQUATE BEARING & EMBEDMENT PER GEOTECHNICAL REPORT IS PROVIDED.

9.) REFER TO GEOTECHNICAL REPORT FOR BEHIND WALL DRAINAGE RECOMMENDATIONS. COORD. W/ CIVIL AS REQ'D. REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION WATERPROOFING & INSULATION REQUIREMENTS.

10.) COAT ALL EXPOSED STEEL BELOW GRADE W/ COAL TAR EPOXY OR FULLY ENCASE IN GROUT

KEY PLAN



FOUNDATION PLAN - WEST | 01 | S1.1
1/8" = 1'-0"

N

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

FOUNDATION PLAN - WEST

SHEET NUMBER

S1.1

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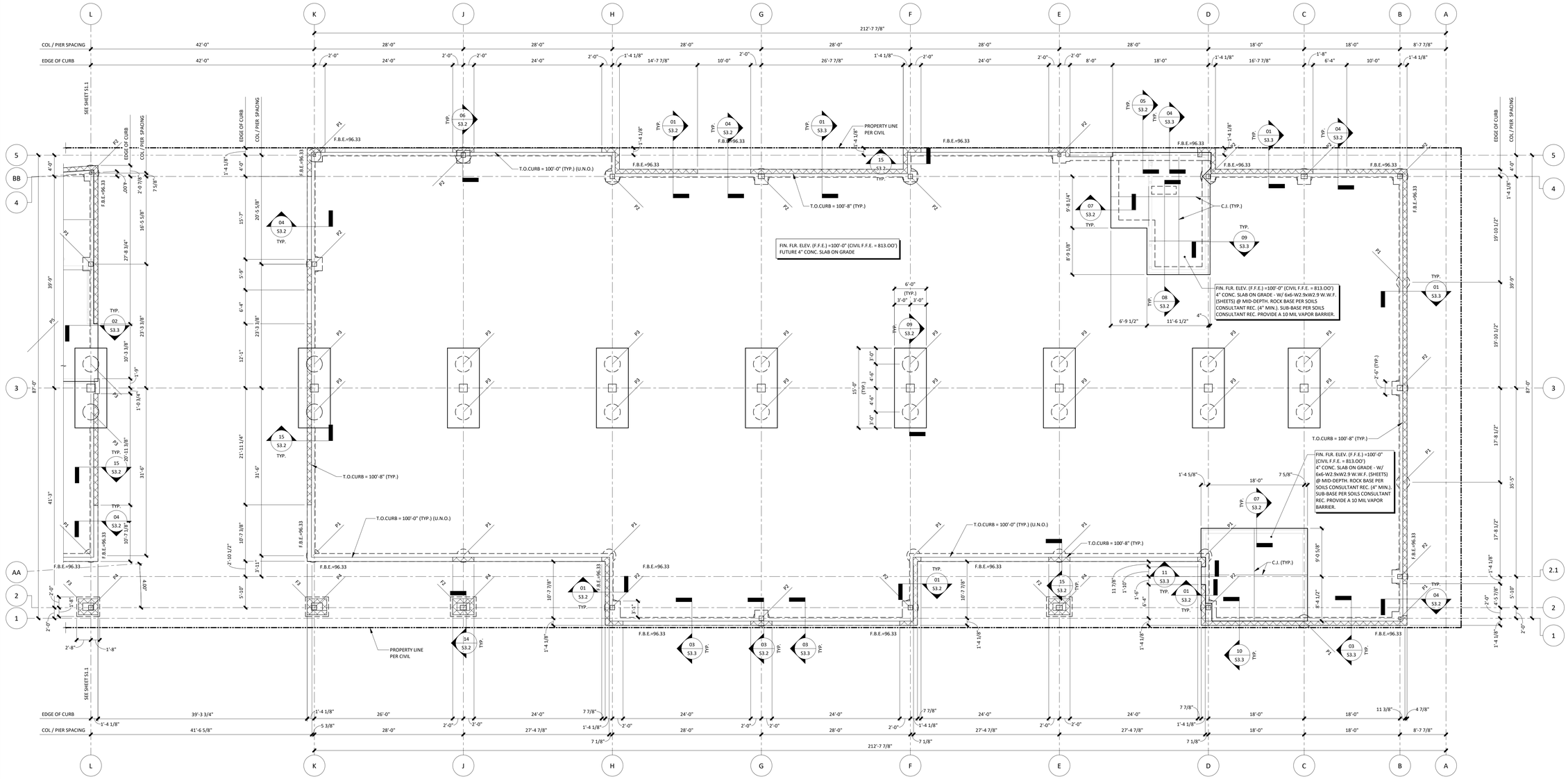
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021



FOUNDATION SCHEDULE				
MARK	DIMENSIONS	REINFORCEMENT	F.B.E.	COMMENTS
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MARK	PIER DIAMETER	VERT. REINFORCEMENT	PIER TIES	T.O.P.
P1	30"	(16) #6	#3 @ 10" SPA.	96'-4"
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P3	36"	(24) #6	#3 @ 10" SPA.	95'-8"
P4	36"	(24) #6	#3 @ 10" SPA.	99'-4"
P5	30"	(16) #6	#3 @ 10" SPA.	93'-4"

NOTE:
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NOTES:

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2.) REFERENCE DRAWING S3.1 FOR TYPICAL FOUNDATION DETAILS INCLUDING ANCHOR ROD DETAILS, FOOTING STEP DETAILS, CONTROL JOINT & CONSTRUCTION JOINT DETAILS, REINF. LAP LENGTH TABLE, ETC.

3.) SEE DRAWING S0.1 & S0.2 FOR ISOMETRIC VIEW & FULL BUILDING SECTIONS.

4.) REINF. SHALL BE INSTALLED IN TOP 15'-0" OF PIERS

5.) REFER TO GEOTECHNICAL REPORT FOR SOCKET REQUIREMENTS AT BASE OF PIER.

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10.) COAT ALL EXPOSED STEEL BELOW GRADE W/ COAL TAR EPOXY OR FULLY ENCASE IN GROUT

KEY PLAN

FOUNDATION PLAN - EAST | 01 | S1.2
1/8" = 1'-0"

N

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

FOUNDATION PLAN - EAST

SHEET NUMBER

S1.2

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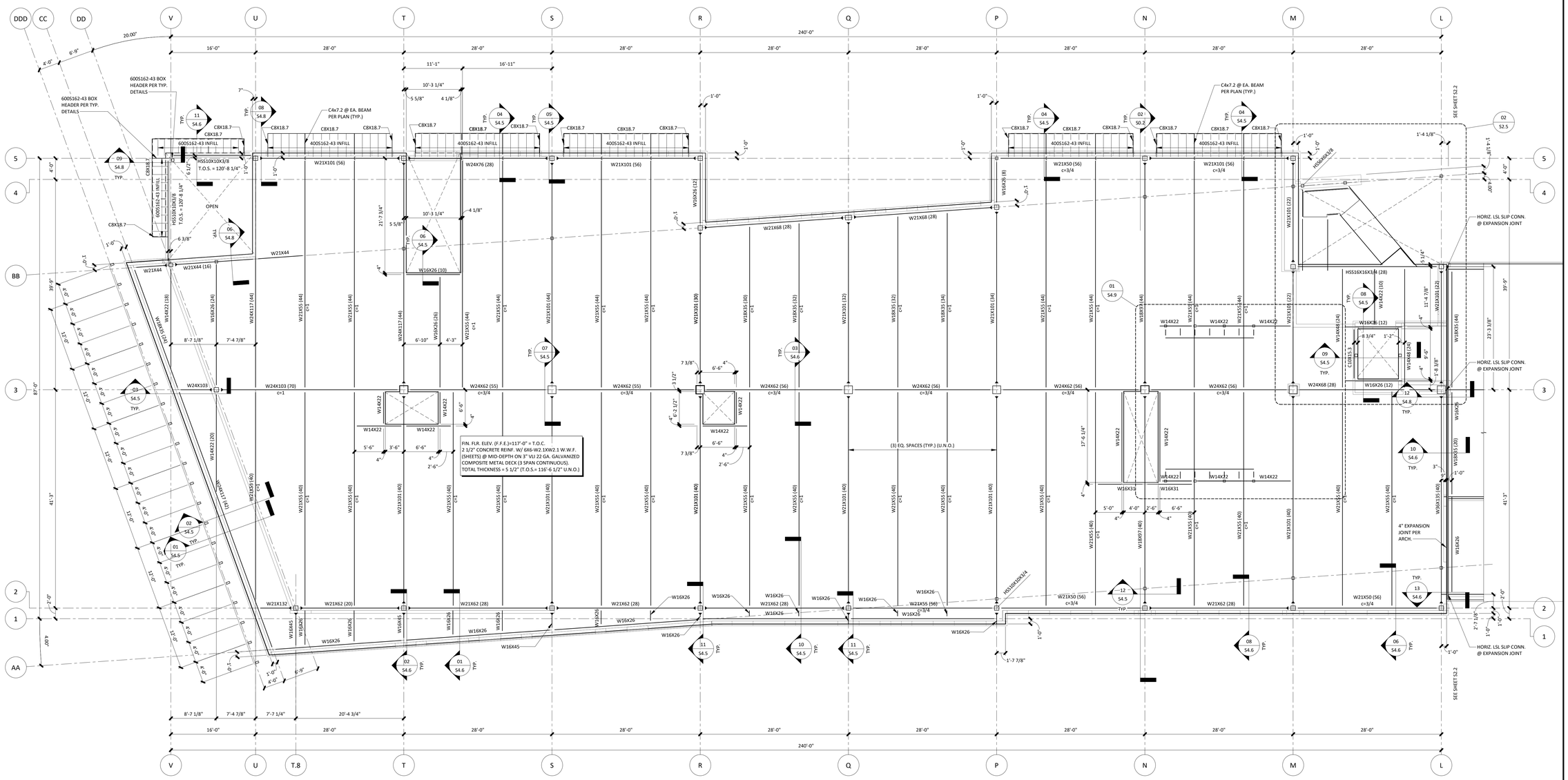

NOTES:

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2.) REFERENCE DRAWING S4.1 FOR TYPICAL FRAMING DETAILS.

3.) SEE DRAWING S0.1 FOR ISOMETRIC VIEW & FULL BUILDING SECTIONS.

4.) REFERENCE ARCHITECTURAL DRAWINGS TO VERIFY SIZE & LOCATIONS OF ALL FLOOR & WALL OPENINGS.

5.) PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS.

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

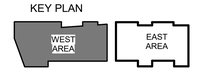
7.) ATTACH COMPOSITE METAL DECK W/ 5/8" PUDDLE WELD IN A 36/4 PATTERN & (2) WELDED SIDE LAP FASTENERS PER SPAN.

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

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 WISE.

KEY PLAN



2ND FLOOR FRAMING PLAN - WEST | 01 S2.1

1/8" = 1'-0"

N

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-26-21
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
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Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

2ND FLOOR FRAMING PLAN - WEST

SHEET NUMBER

S2.1

RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.:	19050.01
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REVISIONS

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REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-7-21
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
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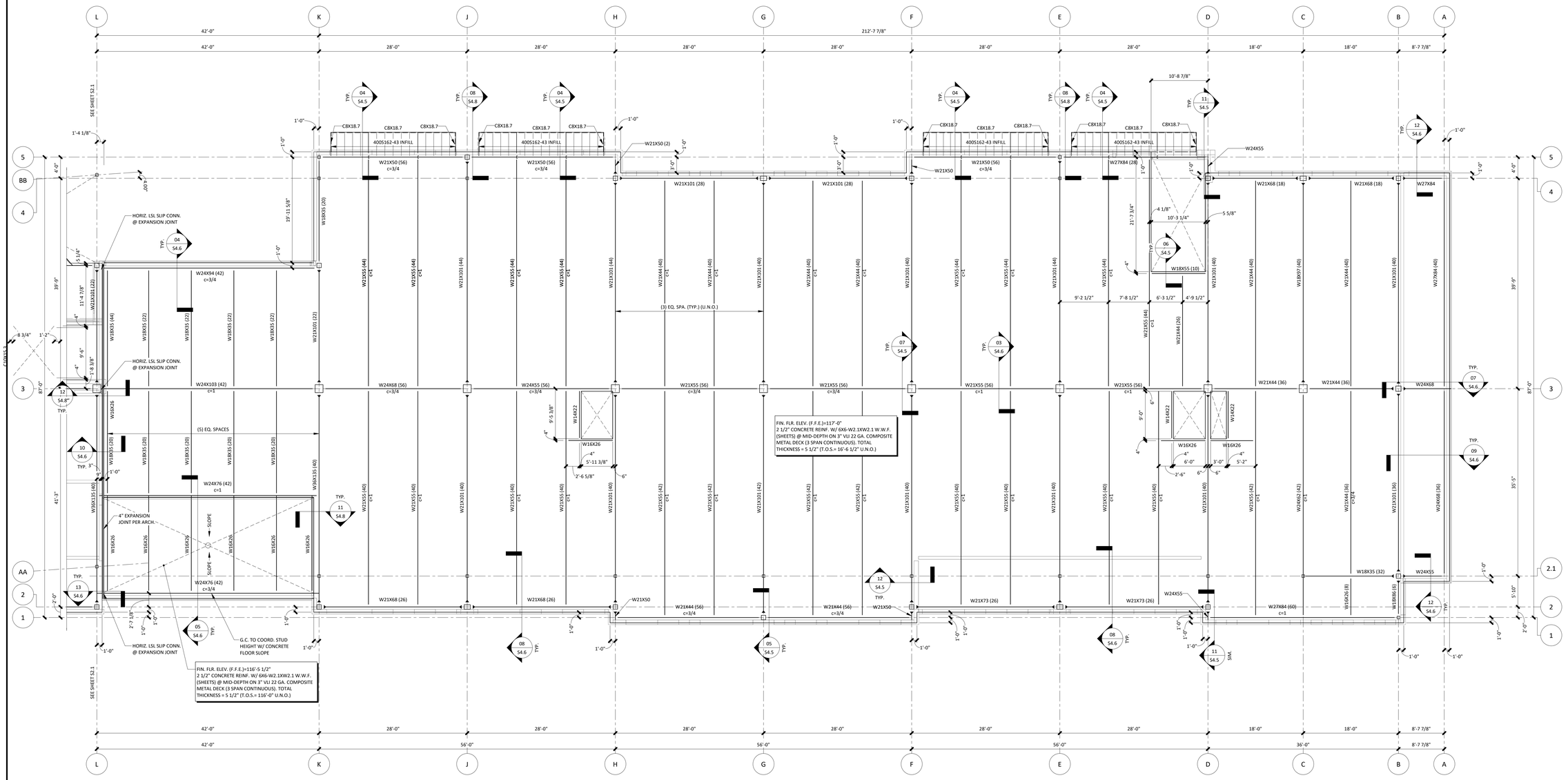


NOTES:

1.) SEE DRAWING S0.0 FOR GENERAL NOTES, SYMBOLS LEGEND, MATERIALS LEGEND, & ABBREVIATION LIST.

2.) REFERENCE DRAWING S4.1 FOR TYPICAL FRAMING DETAILS.

3.) SEE DRAWING S0.1 FOR ISOMETRIC VIEW & FULL BUILDING SECTIONS.

4.) REFERENCE ARCHITECTURAL DRAWINGS TO VERIFY SIZE & LOCATIONS OF ALL FLOOR & WALL OPENINGS.

5.) PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS.

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

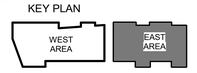
7.) ATTACH COMPOSITE METAL DECK W/ 5/8" PUDDLE WELD IN A 36/4 PATTERN & (2) WELDED SIDE LAP FASTENERS PER SPAN.

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

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 WISE.

KEY PLAN



2ND FLOOR FRAMING PLAN - EAST | 01
1/8" = 1'-0" | S2.2

N

SHEET TITLE

2ND FLOOR FRAMING PLAN - EAST

SHEET NUMBER

S2.2

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RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

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PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

ROOF FRAMING PLAN - WEST

SHEET NUMBER

S2.3

1 1/2" 18 GA. WIDE RIBBED GALVANIZED METAL ROOF DECK (PRIMED) W/ 5/8" PUDDLE WELDS IN A 36/7 WELD PATTERN AND (2) #10 TEK SCREW SIDE LAP FASTENERS PER SPAN

1 1/2" 22 GA. WIDE RIBBED GALVANIZED METAL ROOF DECK (PRIMED) W/ 5/8" PUDDLE WELDS IN A 36/7 WELD PATTERN AND (2) #10 TEK SCREW SIDE LAP FASTENERS PER SPAN

M.E.P. ROOF EQUIPMENT ZONE, REF SPECIAL JOIST LOAD DIAGRAM FOR ADD'L INFO. VERIFY ZONE EXTENTS W/ M.E.P.

HOIST BEAM

ROOF HATCH PER ARCH.

4" EXPANSION JOINT PTYP. RCH.

HORIZ. LSL SLIP CONN. @ EXPANSION JOINT

SEE SHEET S2.4

SEE SHEET S2.4

NOTES:

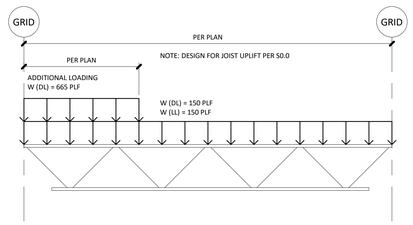
1.) SEE DRAWING S0.0 FOR GENERAL NOTES, SYMBOLS LEGEND, MATERIALS LEGEND, & ABBREVIATION LIST.

2.) REFERENCE DRAWING S4.1 FOR TYPICAL FRAMING DETAILS.

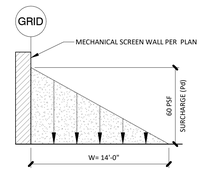
3.) SEE DRAWING S0.1 FOR ISOMETRIC VIEW & FULL BUILDING SECTIONS.

4.) REFERENCE ARCHITECTURAL & MECHANICAL DRAWINGS TO VERIFY SIZE & LOCATIONS OF ALL ROOF & WALL OPENINGS AND ROOF SCREWS.

5.) PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS.

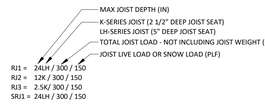


SPECIAL JOIST LOAD DIAGRAM
N.T.S.

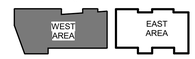


*SNOW DRIFT LOADS SHALL BE SUPERIMPOSED ONTO THE FLAT ROOF SNOW LOADS

SNOW DRIFT DIAGRAM
3/8" = 1'-0"



KEY PLAN



ROOF FRAMING PLAN - WEST | 01
1/8" = 1'-0" | S2.3

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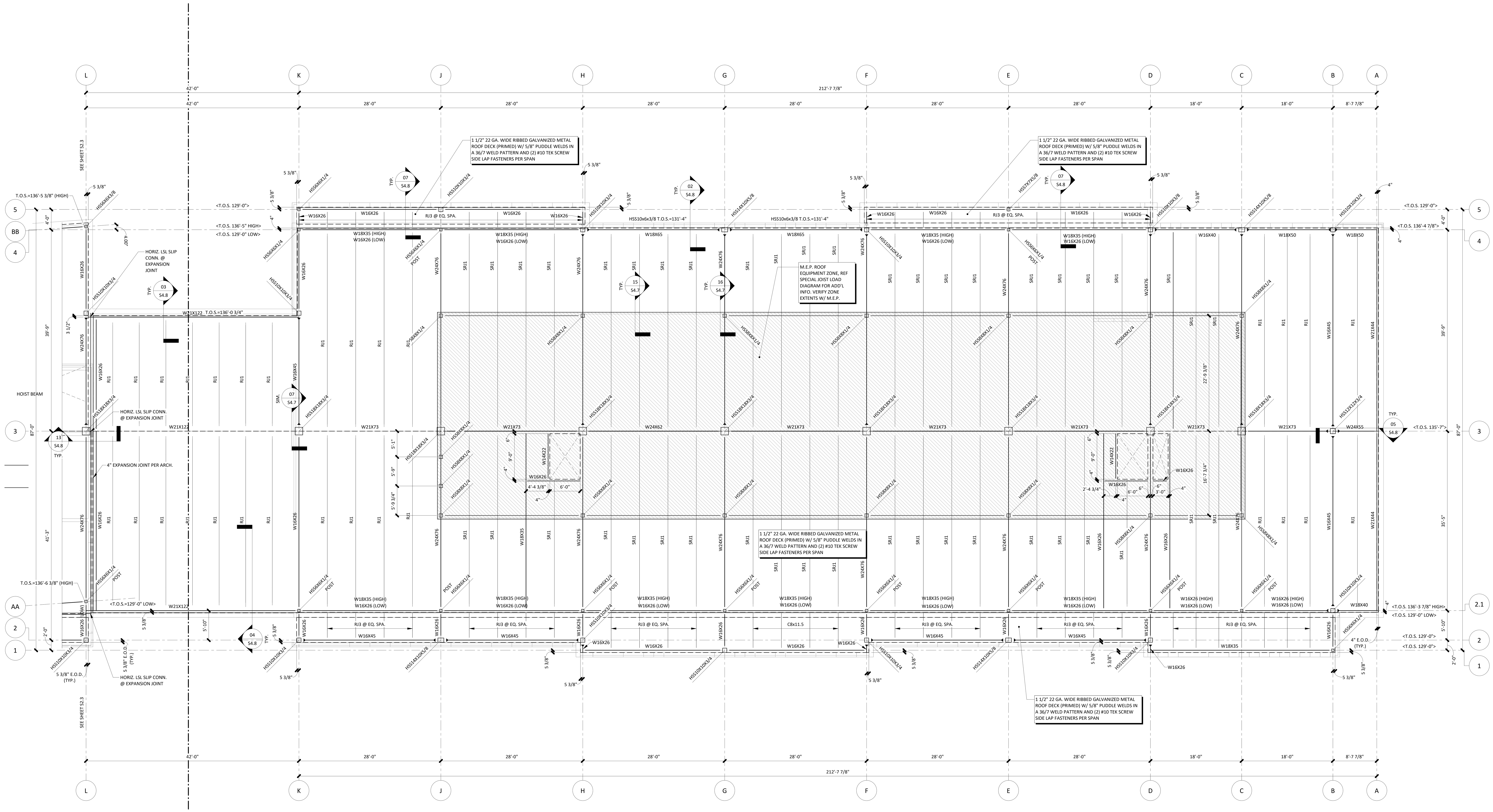
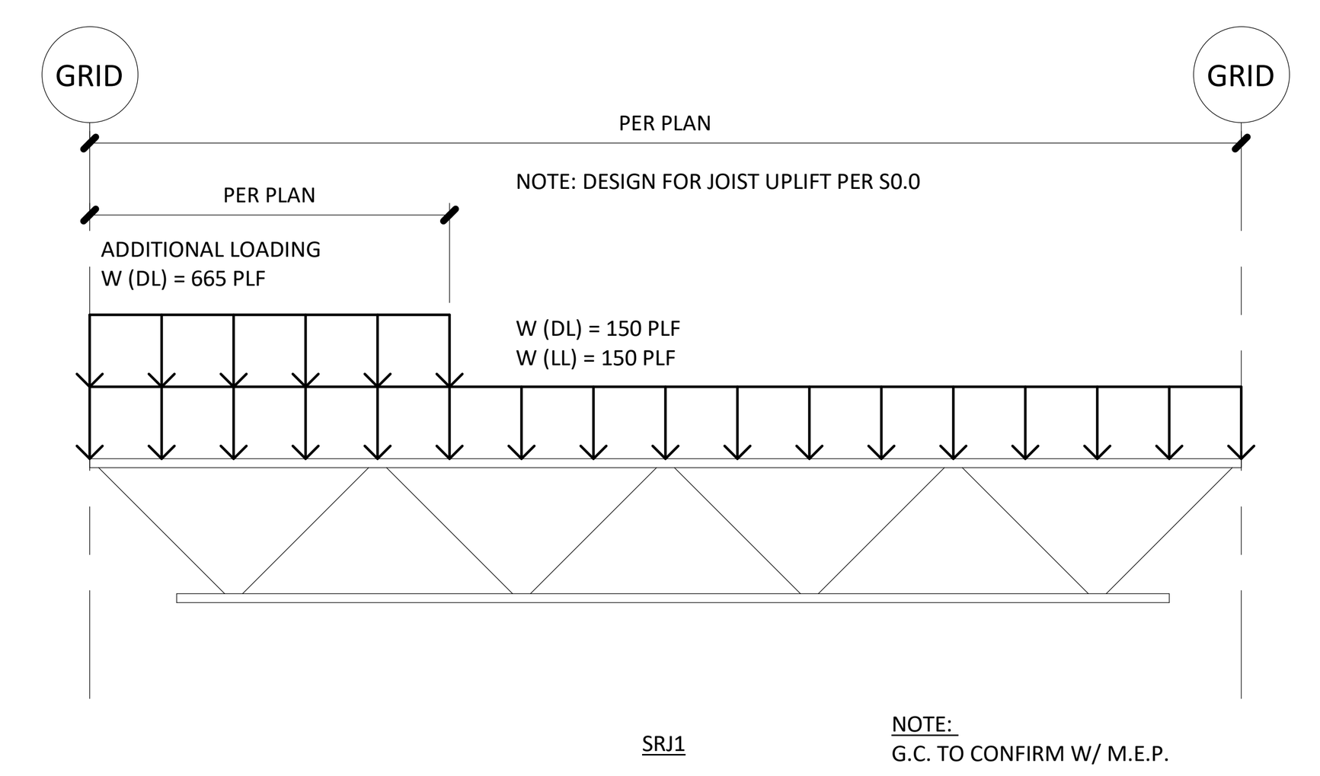
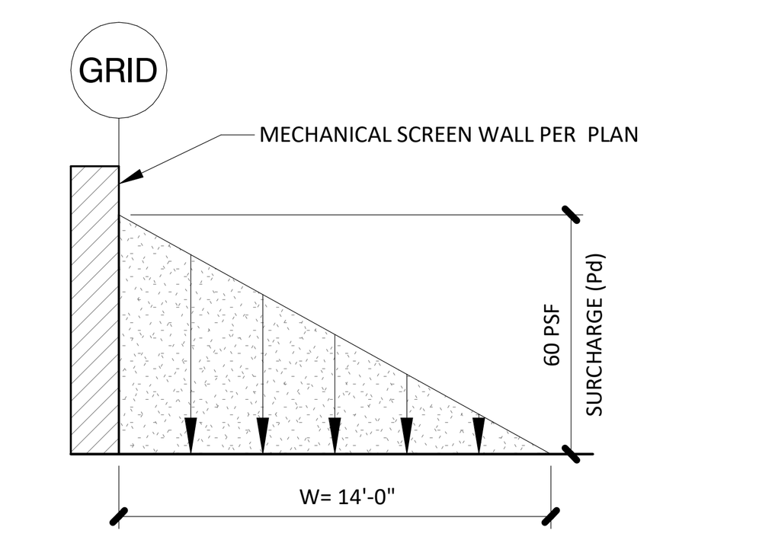
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021





SPECIAL JOIST LOAD DIAGRAM
3/4" = 1'-0"



*SNOW DRIFT LOADS SHALL BE SUPERIMPOSED ONTO THE FLAT ROOF SNOW LOADS

SNOW DRIFT DIAGRAM
3/8" = 1'-0"

NOTES:

1.) SEE DRAWING S0.0 FOR GENERAL NOTES, SYMBOLS LEGEND, MATERIALS LEGEND, & ABBREVIATION LIST.

2.) REFERENCE DRAWING S4.1 FOR TYPICAL FRAMING DETAILS.

3.) SEE DRAWING S0.1 FOR ISOMETRIC VIEW & FULL BUILDING SECTIONS.

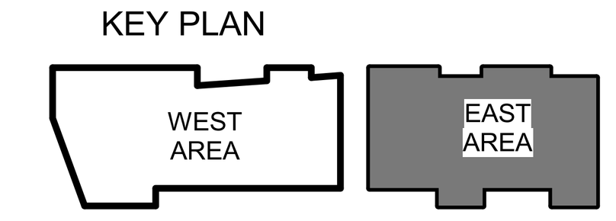
4.) REFERENCE ARCHITECTURAL DRAWINGS TO VERIFY SIZE & LOCATIONS OF ALL ROOF & WALL OPENINGS.

5.) PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS.

- MAX JOIST DEPTH (IN)
- K-SERIES JOIST (2 1/2" DEEP JOIST SEAT)
  LH-SERIES JOIST (5" DEEP JOIST SEAT)
- TOTAL JOIST LOAD - NOT INCLUDING JOIST WEIGHT (PLF)
- JOIST LIVE LOAD OR SNOW LOAD (PLF)

RJ1 = 24LH / 300 / 150
RJ2 = 12K / 300 / 150
RJ3 = 2.5K/ 300 / 150
SRJ1 = 24LH / 300 / 150

KEY PLAN



ROOF FRAMING PLAN - EAST | 01
1/8" = 1'-0" | S2.4

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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

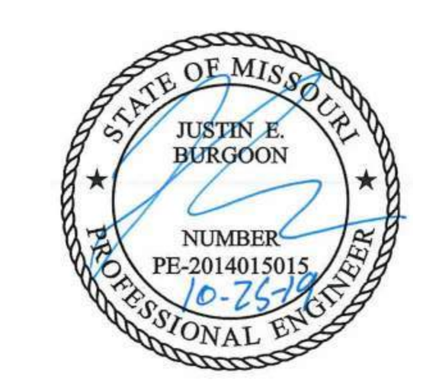
LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION



PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

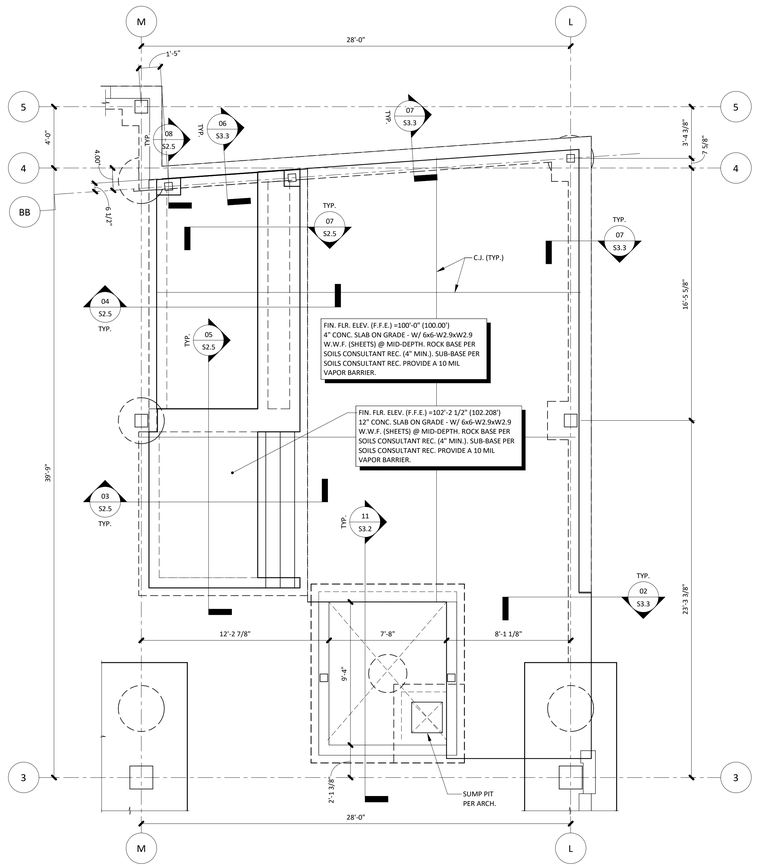
BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

ROOF FRAMING PLAN - EAST

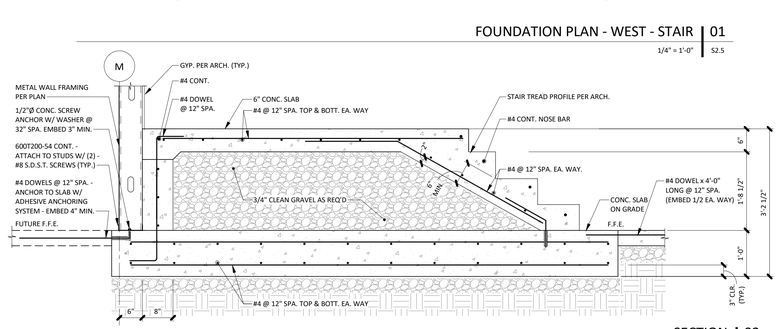
SHEET NUMBER

S2.4



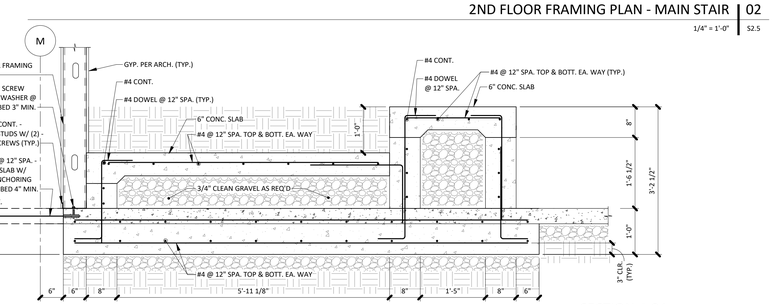
FOUNDATION PLAN - WEST - STAIR | 01

1/4" = 1'-0" | S2.5



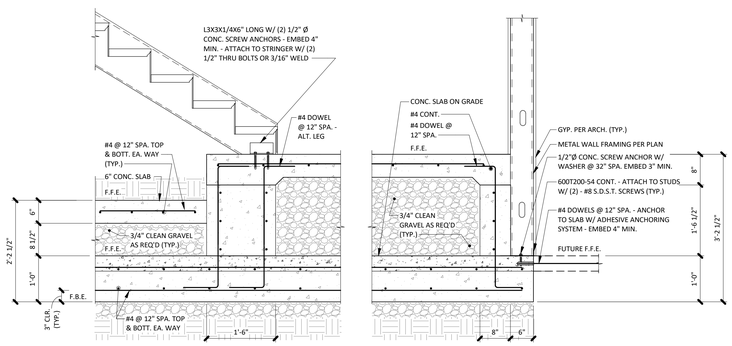
SECTION | 03

3/4" = 1'-0" | S2.5



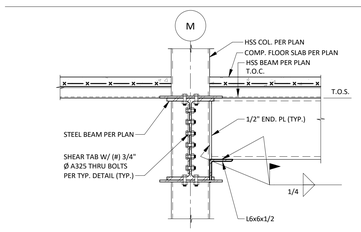
SECTION | 04

3/4" = 1'-0" | S2.5



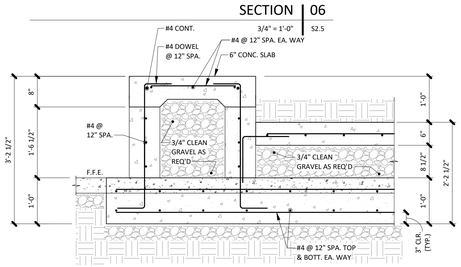
SECTION | 05

3/4" = 1'-0" | S2.5



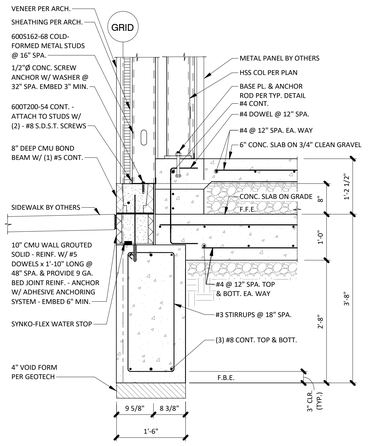
SECTION | 06

3/4" = 1'-0" | S2.5



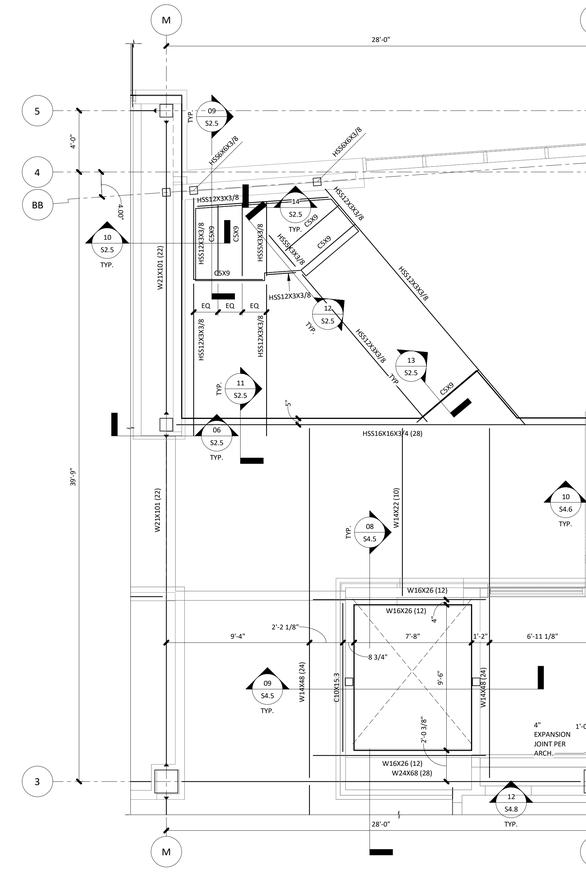
SECTION | 07

3/4" = 1'-0" | S2.5



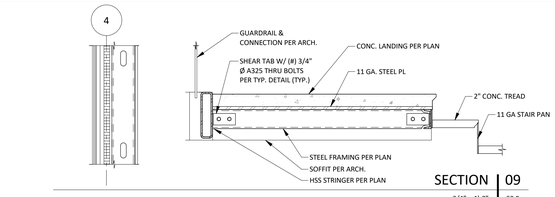
SECTION | 08

3/4" = 1'-0" | S2.5



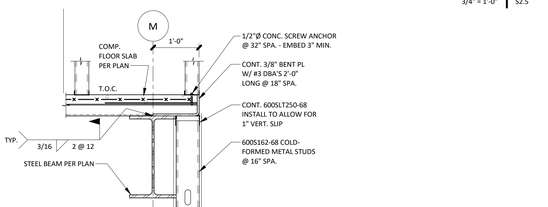
2ND FLOOR FRAMING PLAN - MAIN STAIR | 02

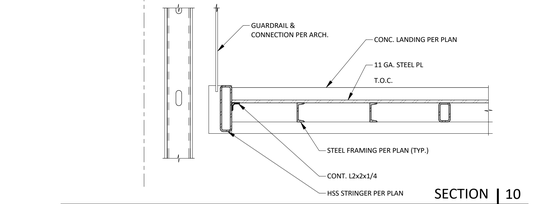
1/4" = 1'-0" | S2.5



SECTION | 09

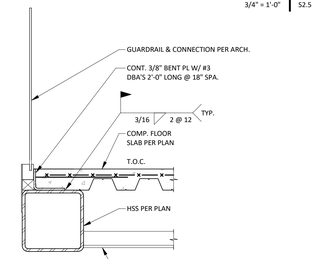
3/4" = 1'-0" | S2.5





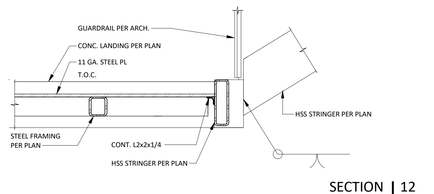
SECTION | 10

3/4" = 1'-0" | S2.5



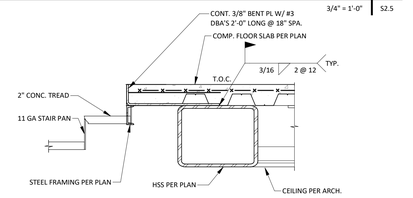
SECTION | 11

3/4" = 1'-0" | S2.5



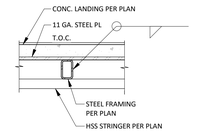
SECTION | 12

3/4" = 1'-0" | S2.5



SECTION | 13

3/4" = 1'-0" | S2.5



SECTION | 14

3/4" = 1'-0" | S2.5

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
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Project Number 19-354

SHEET TITLE

MAIN STAIR FRAMING

SHEET NUMBER

S2.5

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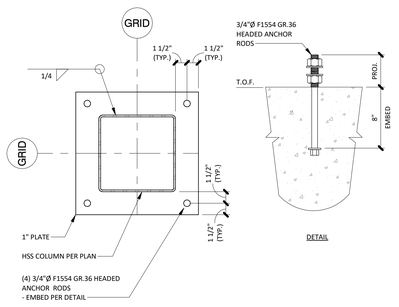
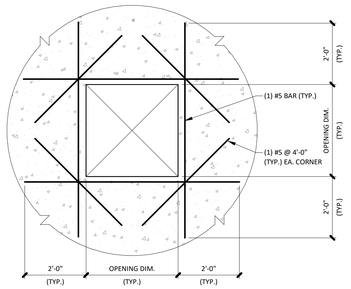
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

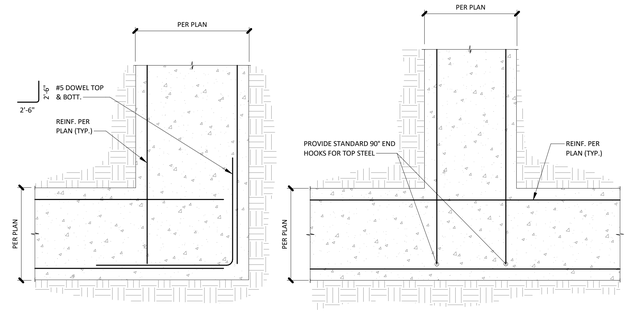
NOTES:
1.) FOR STANDARD SIZE HOLES, PROVIDE ASTM F844 (USS STANDARD) WASHERS. FOR HOLES THAT ARE MORE THAN 5/16" LARGER THAN ANCHOR ROD DIAMETER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD.
2.) FOR ANCHORS RODS 1" DIAMETER AND LARGER, PROVIDE PLATE WASHERS BETWEEN NUT &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



TYP. ANCHOR ROD & BASE PLATE DETAIL | 01
1 1/2" = 1'-0" | S3.1

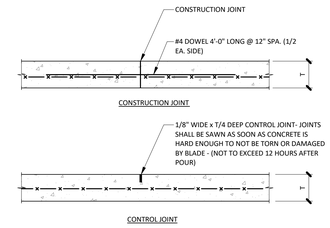


TYP. SLAB OPENING DETAIL | 02
1/2" = 1'-0" | S3.1



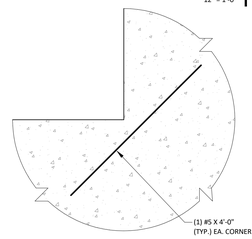
TYP. GRADE BEAM DETAILS | 03
3/4" = 1'-0" | S3.1

STANDARD HOOK TABLE	
BAR SIZE	HOOK
#4	8 in.
#5	10 in.
#6	12 in.
#7	14 in.
#8	16 in.

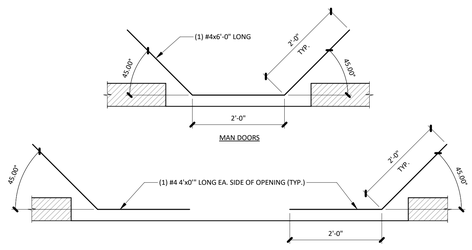


TYP. CONTROL & CONST. JOINT DETAIL | 04
3/4" = 1'-0" | S3.1

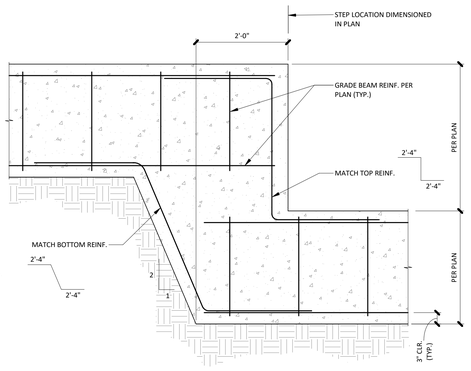
STANDARD 90° HOOK TABLE | 05
12" = 1'-0" | S3.1



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



TYP. SLAB REINF. @ DOOR DETAIL | 07
3/4" = 1'-0" | S3.1



TYP. FOOTING STEP DETAIL | 08
3/4" = 1'-0" | S3.1

TENSION LAP SPLICE LENGTHS (in) GRADE 60 UNCOATED BARS f'c=3000 psi					
BAR SIZE	LAP CLASS	TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	22	32	17	25
	B	28	42	22	32
#4	A	29	43	22	33
	B	37	56	29	43
#5	A	36	54	28	41
	B	47	70	36	54
#6	A	43	64	33	50
	B	56	84	43	64
#7	A	63	94	48	72
	B	81	122	63	94
#8	A	72	107	55	82
	B	93	139	72	107
#9	A	81	121	62	93
	B	105	157	81	121
#10	A	91	136	70	105
	B	118	177	91	136
#11	A	101	151	78	116
	B	131	196	101	151

NOTES:
1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL-WEIGHT CONCRETE.
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE 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 DEFINED AS:
   BEAMS OR COLUMNS:
   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
   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=3000 psi | 09
1/2" = 1'-0" | S3.1

COMPRESSION DEVELOPMENT AND LAP SPLICE LENGTHS GRADE 60 REINFORCEMENT, NORMAL WEIGHT CONCRETE						
BAR SIZE	CONCRETE COMPRESSIVE STRENGTH					
	3000 PSI		4000 PSI		5000 PSI	
	DEV	SPLICE	DEV	SPLICE	DEV	SPLICE
#3	9	12	8	12	7	12
#4	11	15	10	15	9	15
#5	14	19	12	19	12	19
#6	17	23	15	23	14	23
#7	20	27	17	27	16	27
#8	22	30	19	30	18	30
#9	25	34	22	34	21	34
#10	28	39	25	39	23	39
#11	31	43	27	43	26	43

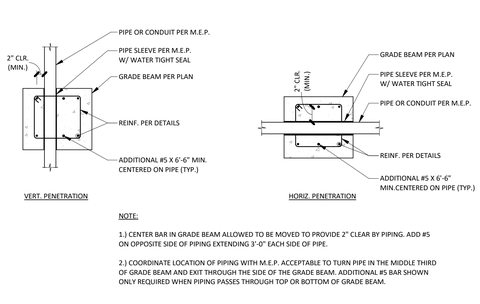
NOTES:
1.) TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.
2.) COMPRESSION DEVELOPMENT LENGTHS AND COMPRESSION SPLICE LENGTHS ARE BASED ON ACI 318, SECTIONS 12.3 AND 12.16, RESPECTIVELY.
3.) ALL VALUES ARE SHOWN IN INCHES
4.) COMPRESSION SPLICE PERMISSIBLE ONLY WHERE SPECIFICALLY NOTED
5.) TABLE IS NOT APPLICABLE FOR EPOXY-COATED REINFORCEMENT.
6.) "SIDE LAP" ALL LAP SPLICES TO MAINTAIN SPECIFIED CONCRETE COVER.
7.) WHEN BARS OF A DIFFERENT SIZE ARE LAP SPLICED, THE SPLICE LENGTH SHALI BE THE LARGER OF THE DEVELOPMENT LENGTH OF THE LARGER BAR, OR THE SPLICE LENGTH OF THE SMALLER BAR.

COMPRESSION DEVEL. & LAP SPLICE TABLE | 10
1/2" = 1'-0" | S3.1

TENSION LAP SPLICE LENGTHS (in) GRADE 60 UNCOATED BARS f'c=4000 psi					
BAR SIZE	LAP CLASS	TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	19	28	15	22
	B	24	36	19	28
#4	A	25	37	19	29
	B	32	48	25	37
#5	A	31	47	24	36
	B	40	60	31	47
#6	A	37	56	29	43
	B	48	72	37	56
#7	A	54	81	42	63
	B	70	106	54	81
#8	A	62	93	48	72
	B	80	121	62	93
#9	A	70	105	54	81
	B	91	136	70	105
#10	A	79	118	61	91
	B	102	153	79	118
#11	A	87	131	67	101
	B	113	170	87	131

NOTES:
1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL-WEIGHT CONCRETE.
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE 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 DEFINED AS:
   BEAMS OR COLUMNS:
   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
   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.

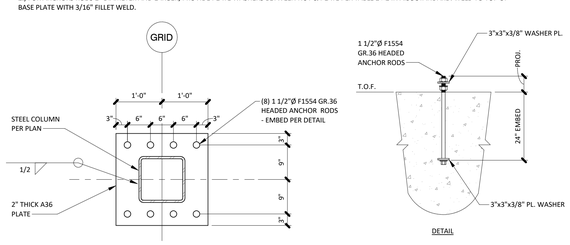
LAP SPLICE LENGTHS f'c=4000 psi | 11
1/2" = 1'-0" | S3.1



NOTE:
1.) CENTER BAR IN GRADE BEAM ALLOWED TO BE MOVED TO PROVIDE 2" CLEAR BY PIPING. ADD #5 ON OPPOSITE SIDE OF PIPING EXTENDING 3'-0" EACH SIDE OF PIPE.
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.

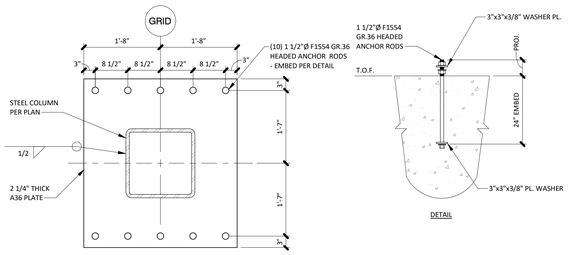
TYPICAL GRADE BEAM PENETRATION DETAILS | 12
3/4" = 1'-0" | S3.1

NOTES:
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.



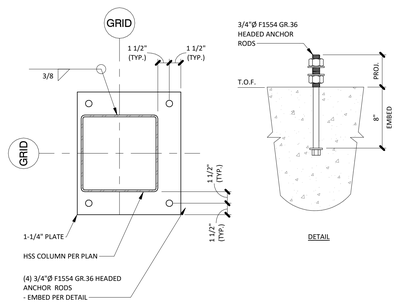
TYP. BASE PLATE DETAIL - 12" MOMENT FRAME COLUMN | 13
3/4" = 1'-0" | S3.1

NOTES:
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.

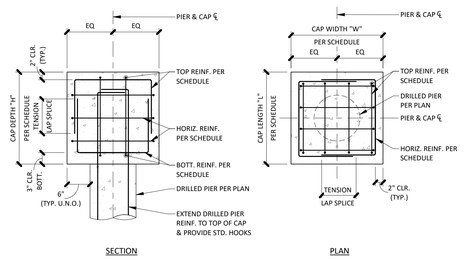


TYP. BASE PLATE DETAIL - 18" MOMENT FRAME COLUMN | 14
3/4" = 1'-0" | S3.1

NOTES:
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.



TYP. OFFSET ANCHOR ROD & BASE PLATE DETAIL | 15
1 1/2" = 1'-0" | S3.1



TYP. DRILLED PIER CAP | 16
3/4" = 1'-0" | S3.1

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PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

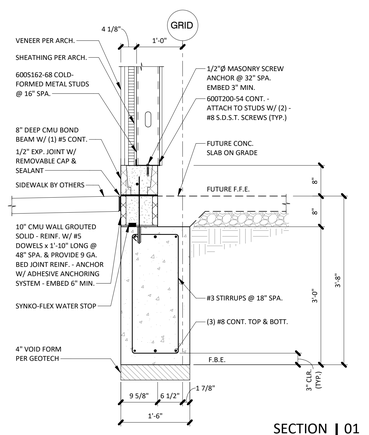
SHEET TITLE

TYPICAL FOUNDATION DETAILS

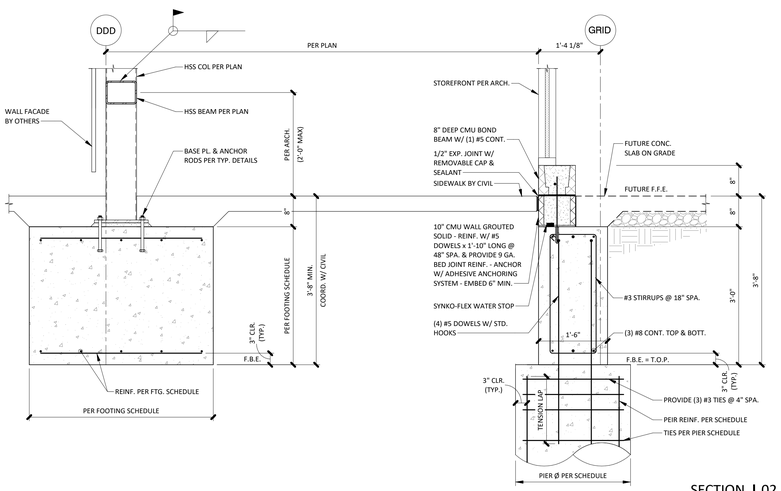
SHEET NUMBER

S3.1

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021



SECTION 01
3/4" = 1'-0" | S3.2



SECTION 02
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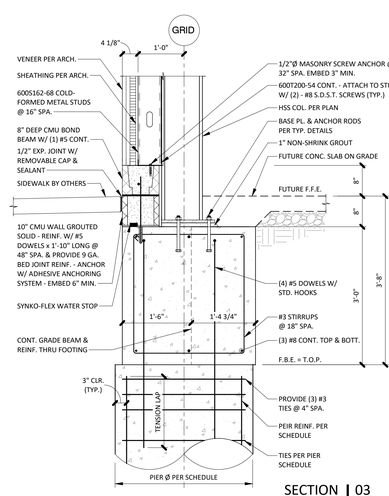

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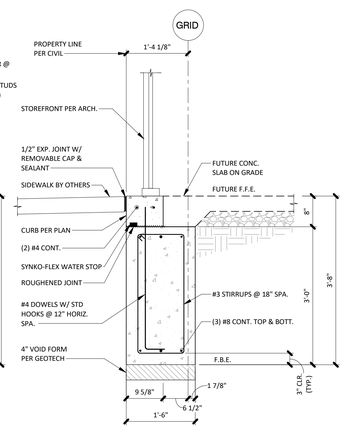

SECTION 04
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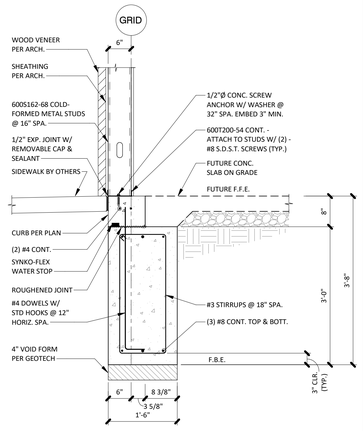

SECTION 05
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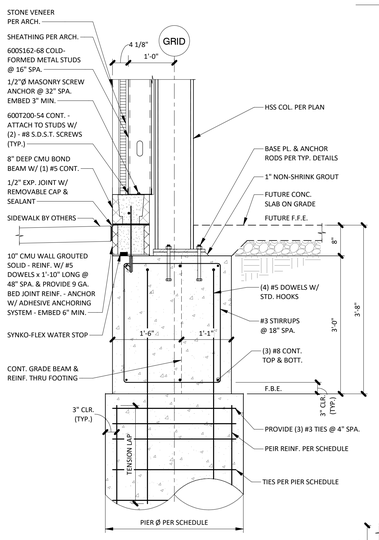
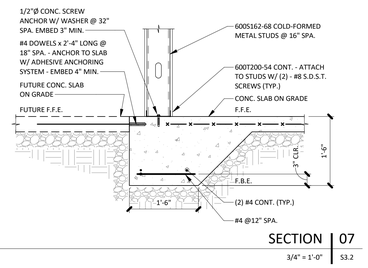


SECTION 06
3/4" = 1'-0" | S3.2



SECTION 07
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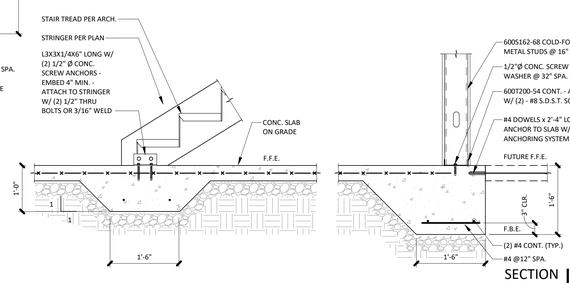
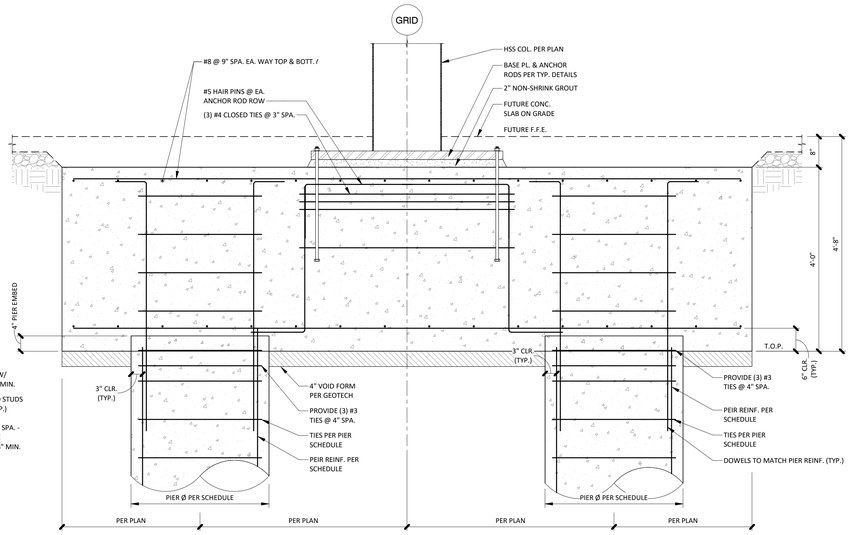


SECTION 08
3/4" = 1'-0" | S3.2



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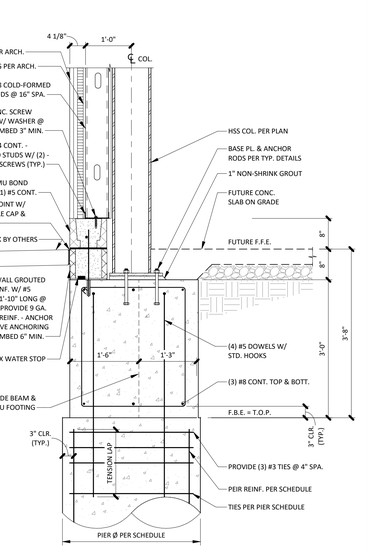

SECTION 10
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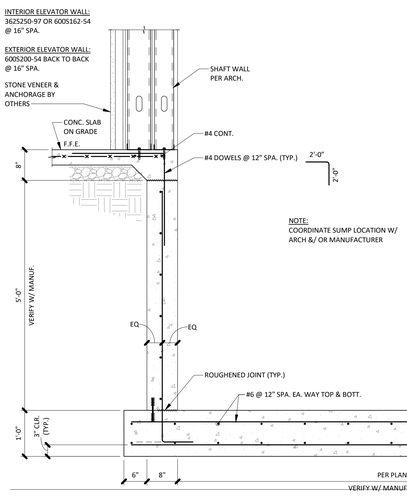
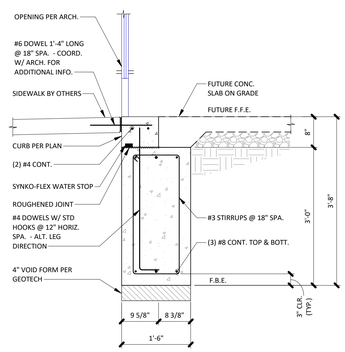
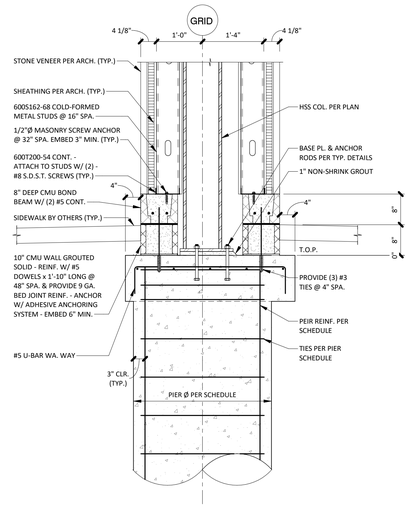


SECTION 11
3/4" = 1'-0" | S3.2



SECTION 13
3/4" = 1'-0" | S3.2



SECTION 14
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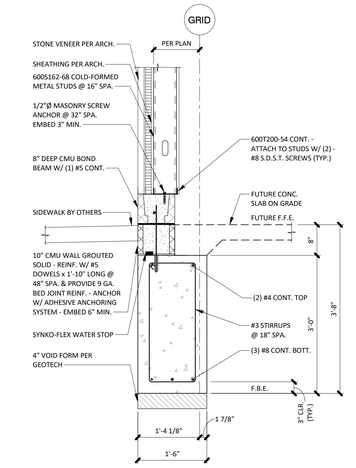

SECTION 15
3/4" = 1'-0" | S3.2

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
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Lenexa, Kansas 66214
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www.BSEstructural.com
Project Number 19-354

SHEET TITLE

FOUNDATION DETAILS

SHEET NUMBER

S3.2

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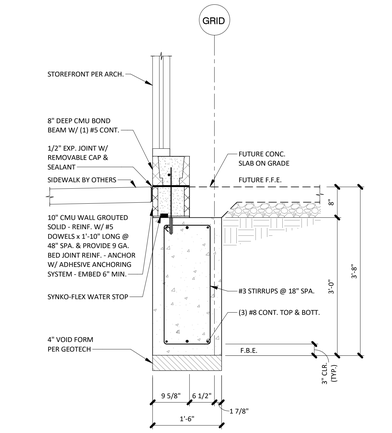
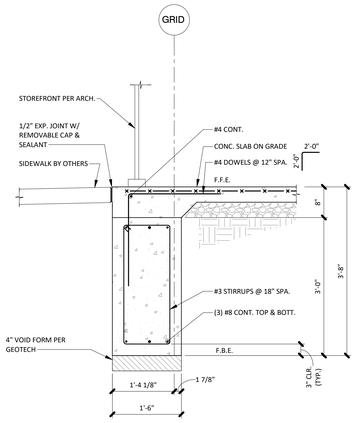
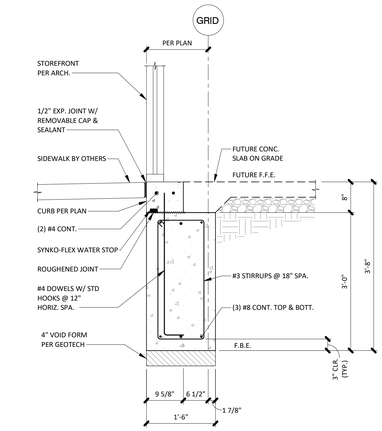


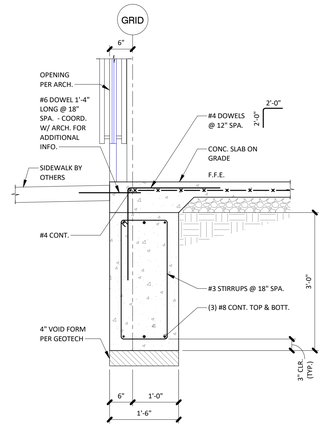
SECTION | 01
3/4" = 1'-0" | S3.3



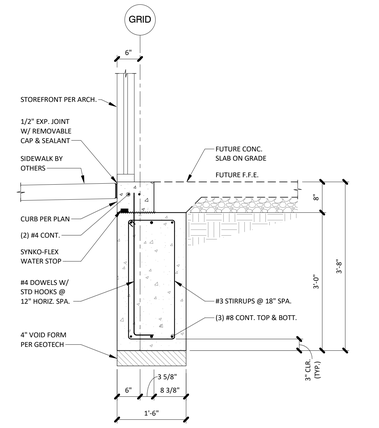
SECTION | 02
3/4" = 1'-0" | S3.3



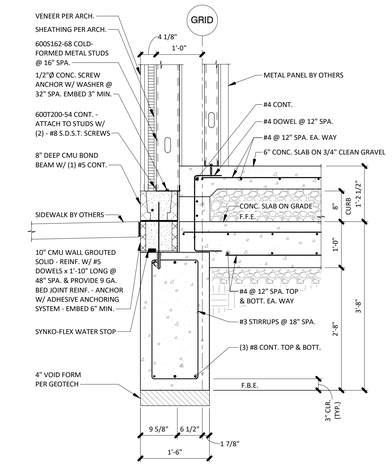
SECTION | 03
3/4" = 1'-0" | S3.3



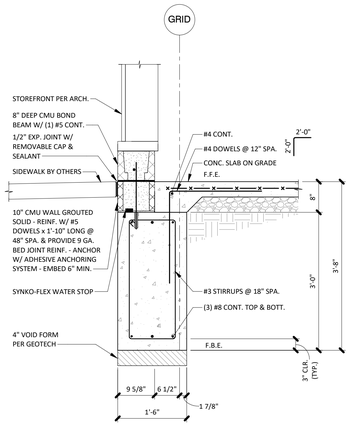
SECTION | 04
3/4" = 1'-0" | S3.3



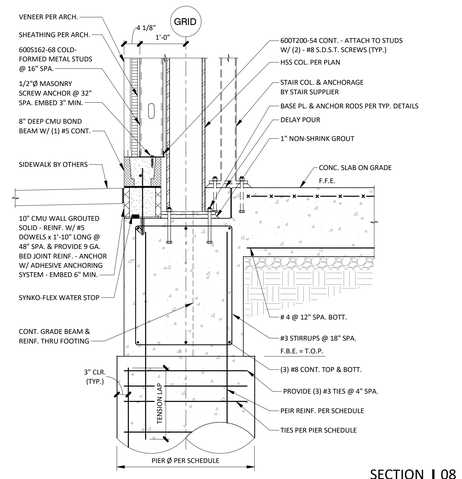
SECTION | 05
3/4" = 1'-0" | S3.3



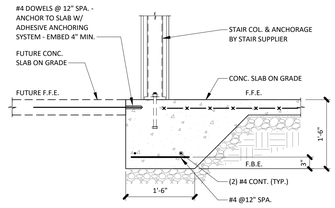
SECTION | 06
3/4" = 1'-0" | S3.3



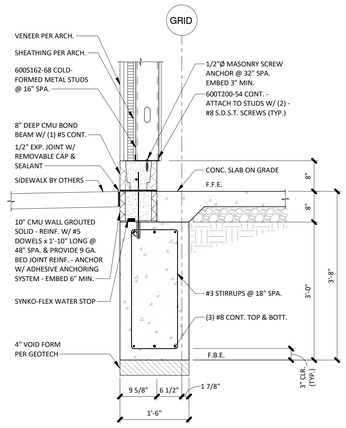
SECTION | 07
3/4" = 1'-0" | S3.3



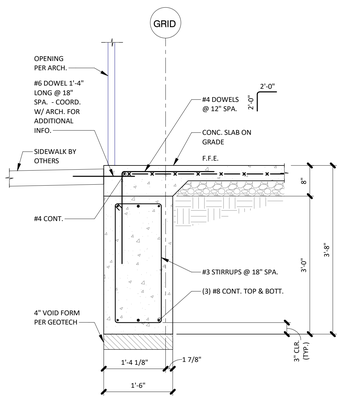
SECTION | 08
3/4" = 1'-0" | S3.3



SECTION | 09
3/4" = 1'-0" | S3.3



SECTION | 10
3/4" = 1'-0" | S3.3



SECTION | 11
3/4" = 1'-0" | S3.3

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

FOUNDATION DETAILS

SHEET NUMBER

S3.3

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
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www.BSEstructural.com
Project Number 19-354

SHEET TITLE

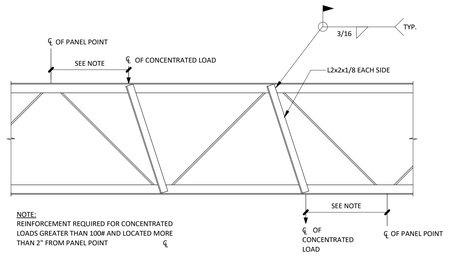
TYPICAL FRAMING DETAILS

SHEET NUMBER

S4.1

TYP. JOIST REINFORCEMENT DETAIL | 01

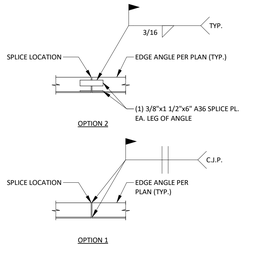
3/4" = 1'-0" | S4.1



NOTE:
REINFORCEMENT REQUIRED FOR CONCENTRATED LOADS GREATER THAN 100# AND LOCATED MORE THAN 2" FROM PANEL POINT ℄

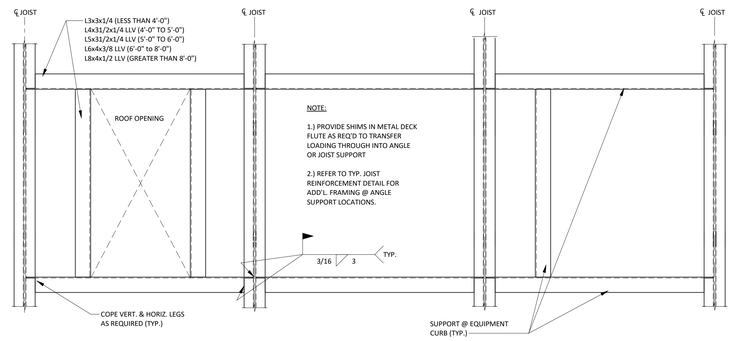
EDGE ANGLE SPLICE DETAIL | 02

3/4" = 1'-0" | S4.1



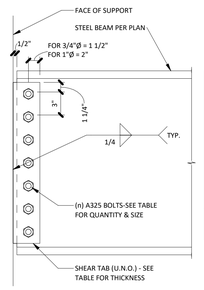
TYP. ROOF OPENING & EQUIP. SUPPORT FRAMING DETAIL | 03

3/4" = 1'-0" | S4.1



TYP. SHEAR TAB CONNECTION DETAIL | 04

1 1/2" = 1'-0" | S4.1

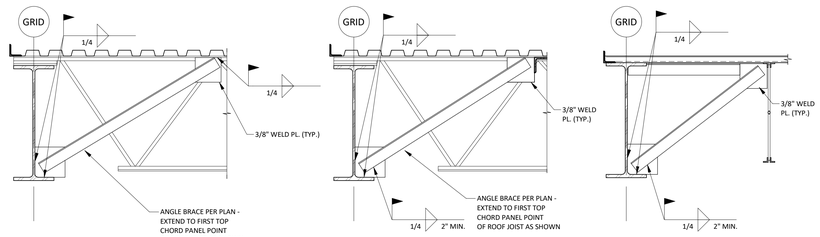


BEAM DEPTH	# OF (n) A325 BOLTS	BOLT Ø	SHEAR TAB THICKNESS
12"	3	3/4"	3/8"
14"	3	3/4"	3/8"
16"	4	3/4"	3/8"
18"	5	3/4"	3/8"
21"	6	1"	7/16"
24"	7	1"	7/16"
27"	8	1"	7/16"
30"	9	1"	7/16"
34"	10	1"	7/16"
36"	11	1"	7/16"

NOTE:
AT SKEWED BEAMS PROVIDE CONNECTIONS PER AISC STEEL CONST. MANUAL TABLE 10-14

TYP. BEAM BOTTOM FLANGE BRACE DETAIL - JOIST | 05

3/4" = 1'-0" | S4.1



ROOF MEMBERS

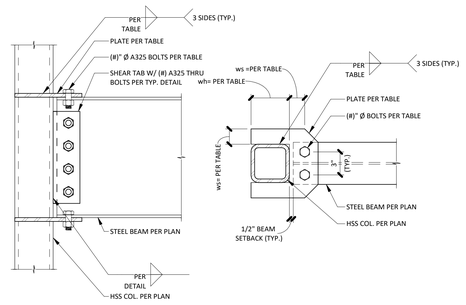
BEAM DEPTH	wh	ws	BOLT ROWS	ROWS SPA.	BOLT Ø	WELD SIZE	PL THICKNESS
12" - 14"	3"	2"	2	4"	3/4"	5/16	3/4"
16" - 18"	10"	4"	7	4"	1-1/8"	8/16	1-1/2"
21" - 24"	10"	4"	7	4"	1-1/8"	8/16	1-1/2"

FLOOR MEMBERS

BEAM DEPTH	wh	ws	BOLT ROWS	ROWS SPA.	BOLT Ø	WELD SIZE	PL THICKNESS
ALL DEPTHS	12"	4"	7	4"	1-1/8"	8/16	1-1/2"

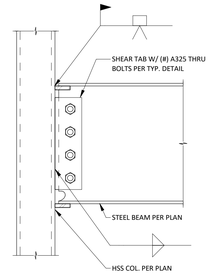
TYP. MOMENT CONN. DETAIL - HSS COLUMN | 06

1 1/2" = 1'-0" | S4.1



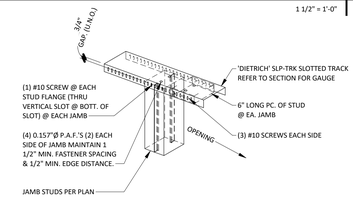
TYP. BEAM TO HSS COLUMN FLANGE CONNECTION | 07

1 1/2" = 1'-0" | S4.1



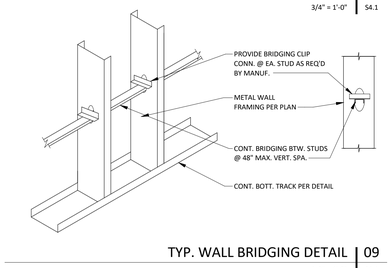
SLOTTED TRACK REINFORCING | 08

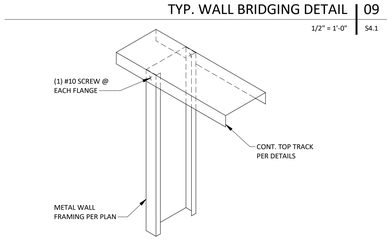
3/4" = 1'-0" | S4.1



TYP. WALL BRIDGING DETAIL | 09

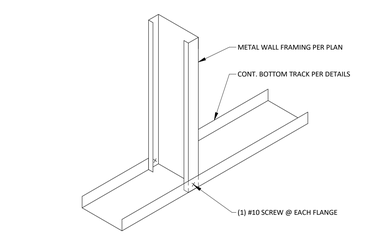
1/2" = 1'-0" | S4.1





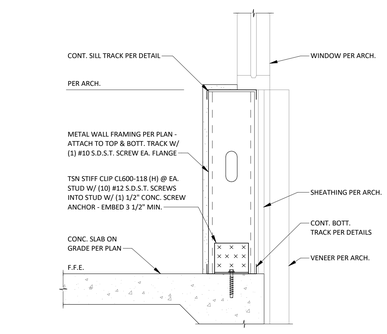
STUD TO TRACK CONNECTION (TOP) | 13

3/4" = 1'-0" | S4.1



STUD TO TRACK CONNECTION (BOTTOM) | 14

3/4" = 1'-0" | S4.1



TYP. LOW WALL CLIP DETAIL | 17

1 1/2" = 1'-0" | S4.1

NOTE:
REFER TO PLANS & DETAILS FOR REQ'D SPACING (4'-0" MAX IF NOT LISTED) & LOCATIONS

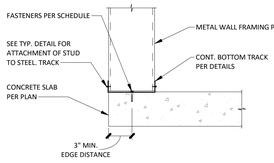
TYP. LOW WALL REINF. DETAIL | 10

3" = 1'-0" | S4.1

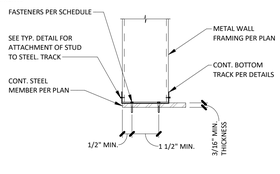
FASTENERS @ CONCRETE	
LOCATION	NUMBER OF FASTENERS REQUIRED
TYPICAL FRAMING	(1) 0.157"Ø P.D.F @ 8" O.C.
JAMB STUDS	(2) 0.157"O P.D.F @ EACH JAMB (SEE NOTE #3)

FASTENERS @ STEEL	
LOCATION	NUMBER OF FASTENERS REQUIRED
TYPICAL FRAMING	(2) 0.157"Ø P.D.F @ 8" O.C.
JAMB STUDS	(4) 0.157"Ø P.D.F @ EACH JAMB

NOTE:
1) 1" MIN. EMBED REQ'D FOR ALL P.D.F'S
2) MAINTAIN 4" MIN. FASTENER SPACING FOR ALL FASTENERS
3) FOR OPENINGS > 6'-0" PROVIDE TSN CL CLIP (OR EQ.)
4) REFER TO DETAILS FOR ADD'L BOTT. TRACK-TO-STRUCTURE FASTENER REQUIREMENTS



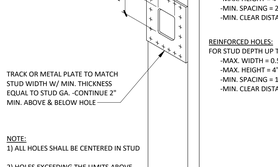
BASE DETAIL @ CONCRETE



BASE DETAIL @ STRUCTURAL STEEL

TYPICAL BASE DETAILS | 11

3/4" = 1'-0" | S4.1



ALLOWABLE HOLE SIZES:
UNREINFORCED HOLES:
FOR STUD DEPTHS UP TO 6"
-MAX. WIDTH = 1.5"
-MAX. HEIGHT = 4"
-MIN. SPACING = 2'-0" O.C (INCLUDES DISTANCE TO NEAREST PUNCHOUT)
-MIN. CLEAR DISTANCE FROM STUD END = 10"

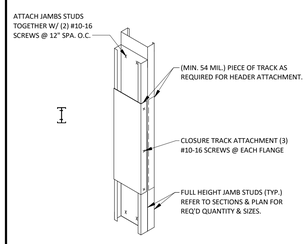
REINFORCED HOLES:
FOR STUD DEPTH UP TO 6"
-MAX. WIDTH = 0.5 x STUD DEPTH
-MAX. HEIGHT = 4"
-MIN. SPACING = 1"-4" O.C (INCLUDES DISTANCE TO NEAREST PUNCHOUT)
-MIN. CLEAR DISTANCE FROM STUD END = 10"

NOTE:
1) ALL HOLES SHALL BE CENTERED IN STUD

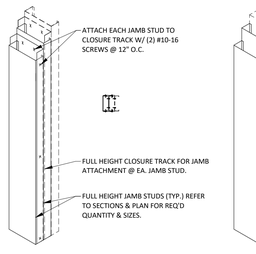
2) HOLES EXCEEDING THE LIMITS ABOVE SHALL REQUIRE APPROVAL BY THE E.O.R

WEB REINFORCING DETAIL | 12

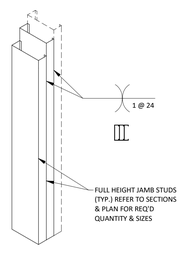
3/4" = 1'-0" | S4.1



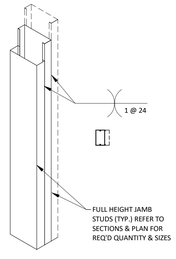
SCREWED OPTION



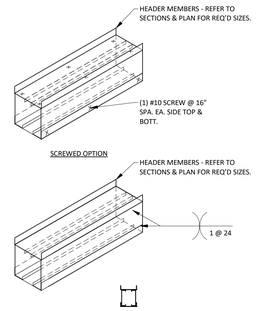
SCREWED OPTION



WELDED OPTION

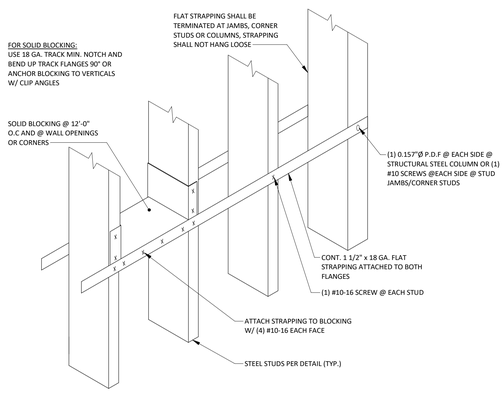


WELDED OPTION



BUILT-UP MEMBER DETAIL | 15

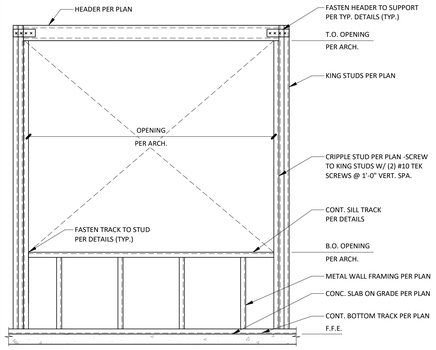
1/2" = 1'-0" | S4.1



TYPICAL STRAP AND BLOCK BRIDGE FRAMING | 16

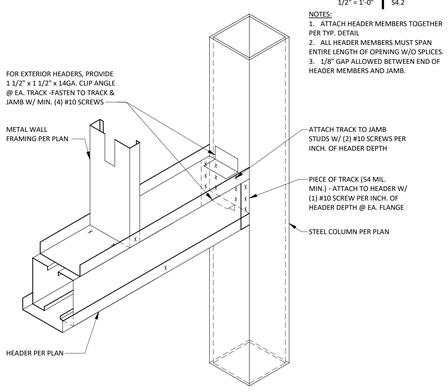
3/4" = 1'-0" | S4.1

C:\Users\julie markham\Documents\19-354 Paragon - Lee's Summit, MO - Option 1_jmarkham@bsestructural.com.rvt



LENGTH	MINIMUM BOX HEADER SIZE	FULL HEIGHT STUDS
≤ 8'-0"	(2) 600S162-43 W/ 600T200-43 T&B (50 KSI)	(2) 600S200-68 BACK-TO-BACK (50 KSI)
8'-0" < L < 12'-0"	(2) 800S162-43 W/ 600T200-43 T&B (50 KSI)	(2) 600S300-97 BACK-TO-BACK (50 KSI)
12'-0" < L < 24'-0"	(2) 1200S200-68 W/ 600T200-68 T&B (50 KSI)	(2) 600S350-97 BACK-TO-BACK (50 KSI)

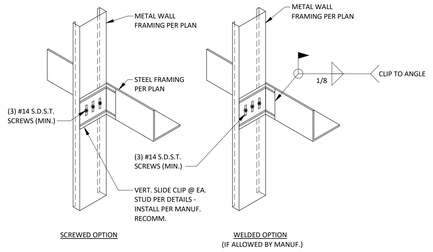
TYP. HEADER/WALL OPENING DETAIL | 01
1/2" = 1'-0" | S4.2



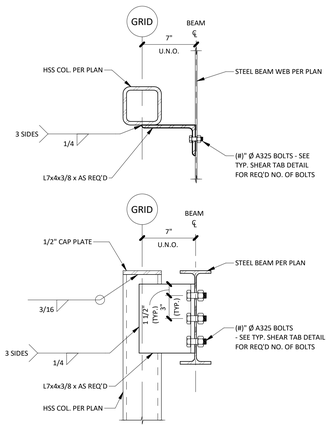
HEADED JAMB DETAIL - STRUCTURAL STEEL TUBE | 06
3/4" = 1'-0" | S4.2

NOTE:
1) FOR OPENING JAMB LOCATIONS, PROVIDE (2) VERT. SLIDE CLIPS @ EA. STUD

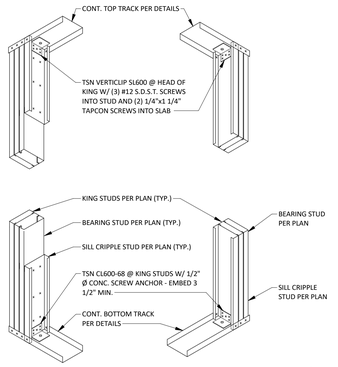
2) CLIP CONNECTIONS TO OCCUR MIN. 4" FROM PUNCHOUTS



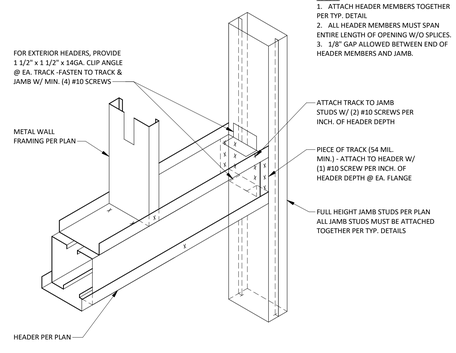
TYP. SLIDE CLIP CONNECTION DETAIL | 11
1/2" = 1'-0" | S4.2



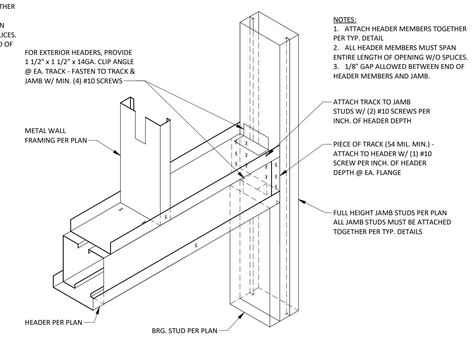
BEAM TO COL. - ECCENTRIC CONN. DETAIL | 16
1 1/2" = 1'-0" | S4.2



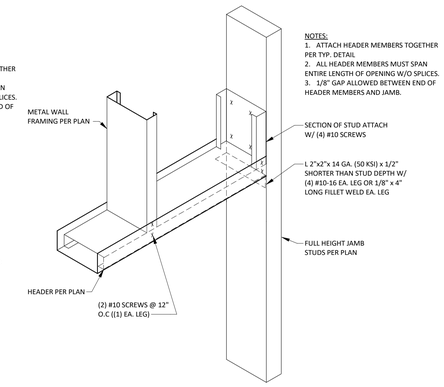
BUILT UP JAMB DETAIL | 02
3/8" = 1'-0" | S4.2



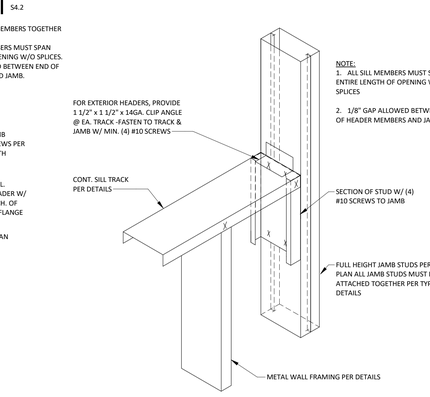
HEADER - JAMB DETAIL | 03
3/4" = 1'-0" | S4.2



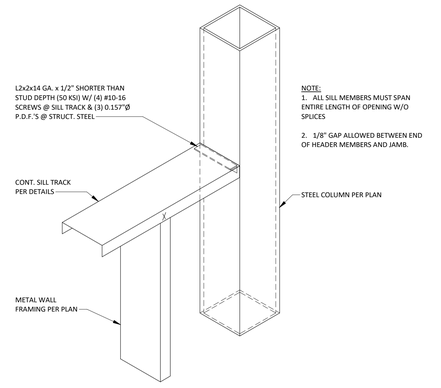
HEADER - JAMB DETAIL W/ BRG. STUD | 04
3/4" = 1'-0" | S4.2



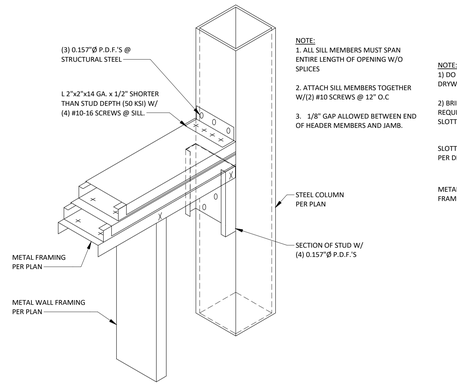
HEADER - JAMB DETAIL | 05
3/4" = 1'-0" | S4.2



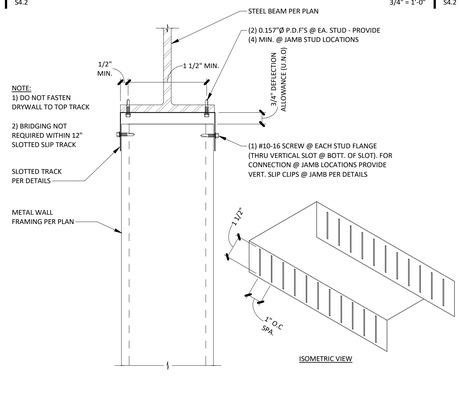
SILL - JAMB DETAIL | 07
3/4" = 1'-0" | S4.2



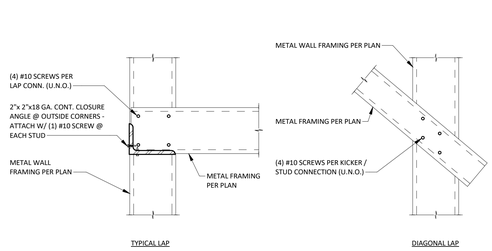
SILL - JAMB DETAIL - STRUCTURAL STEEL TUBE | 08
3/4" = 1'-0" | S4.2



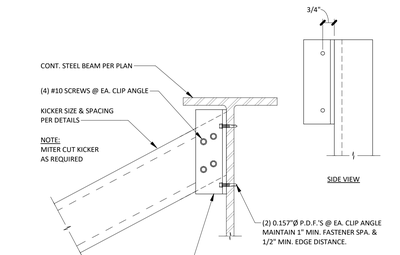
SILL - JAMB DETAIL | 09
3/4" = 1'-0" | S4.2



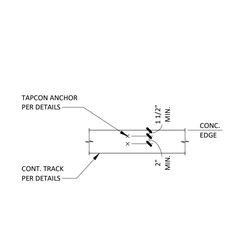
SLOTTED TRACK TO STEEL BEAM | 10
3" = 1'-0" | S4.2



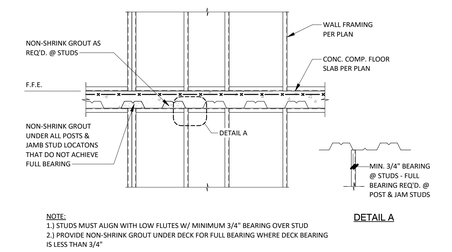
LAP CONNECTIONS | 12
1 1/2" = 1'-0" | S4.2



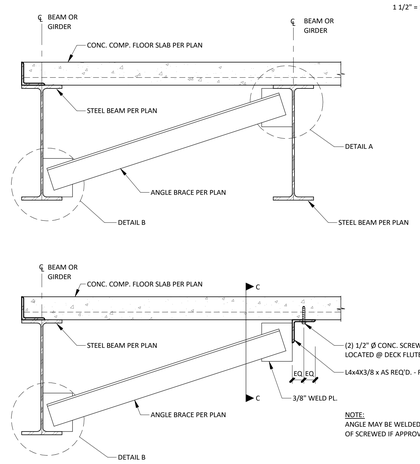
KICKER / BEAM CONNECTION | 13
3" = 1'-0" | S4.2



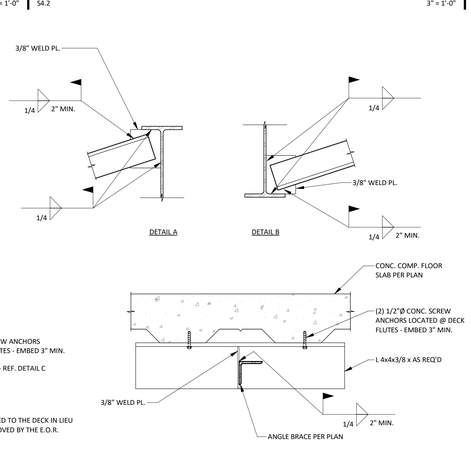
TYP. TAPCON LAYOUT DETAIL | 14
3/4" = 1'-0" | S4.2



DECK ALIGNMENT TOLERANCE DETAIL | 15
1 : 18 | S4.2



TYP. BEAM BOTTOM FLANGE BRACE DETAIL | 17
3/4" = 1'-0" | S4.2



RELEASE FOR CONSTRUCTION
AS NOTED ON PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

TYPICAL FRAMING DETAILS

SHEET NUMBER

S4.2

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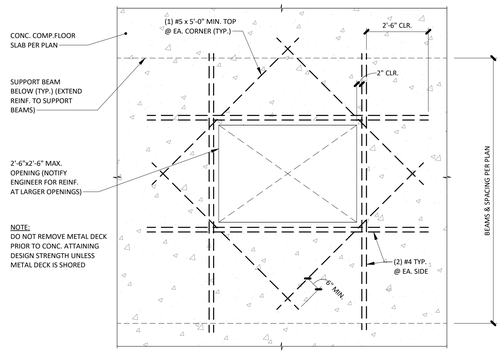
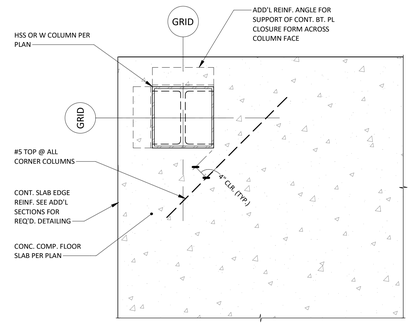


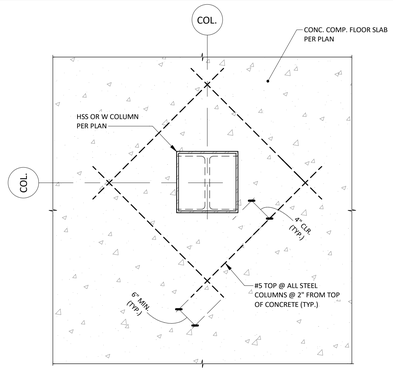
TYP. COMP. FLR. REINF. @ OPENING DETAIL | 01

3/4" = 1'-0" | S4.3



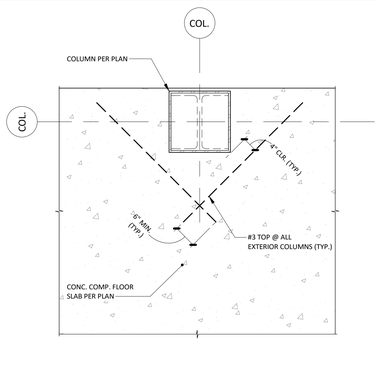
TYP. COMP. MTL. DECK @ CORNER COL. DETAIL | 02

3/4" = 1'-0" | S4.3



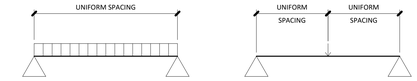
TYP. MTL. DECK COL. @ SLAB DETAIL | 03

3/4" = 1'-0" | S4.3



TYP. COMP. DECK @ EXTERIOR COL. DETAIL | 04

3/4" = 1'-0" | S4.3

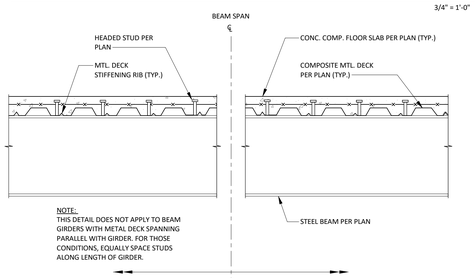


NOTES:

1. ALL DIAGRAMS REPRESENT IDEALIZED CONDITIONS. ACTUAL FRAMING CONFIGURATIONS MAY REQUIRE ADDITIONAL INTERPRETATION.
2. MAXIMUM SPACING OF STUDS SHALL BE 36" O.C. IF STUD SPACING EXCEEDS 12" O.C. PROVIDE 5/8" Ø PUDDLE WELD ATTACHMENT SUCH THAT THE MAXIMUM AVERAGE SPACING OF STUD/WELD ATTACHMENTS IS 12" O.C. AND MAXIMUM SPACING BETWEEN ATTACHMENTS IS 18".
3. THE NUMBER OF STUDS PER BEAM SHOWN ON THE DRAWINGS IS BASED ON AN ASSUMED DESIGN VALUE OF 13.3 K/STUD. THE ACTUAL NUMBER OF STUDS PER BEAM (N) MAY VARY BASED ON RIB WIDTH, DECK DEPTH, NUMBER OF STUDS PER CELL, DECK RIB ORIENTATION, ETC. AS PER AISC SPECIFICATIONS FOR COMPOSITE CONSTRUCTION. THE METAL DECK CONTRACTOR SHALL SUBMIT ALL CALCULATIONS VERYIFYING THE HORIZONTAL SHEAR CAPACITY OF SHEAR STUDS DETAILS ON SHOP DRAWINGS AND PROVIDE THE STUDS REQUIRED.
4. SHEAR CONNECTOR PLACEMENT SHALL BE FULLY DETAILED ON METAL DECK SHOP DRAWINGS.

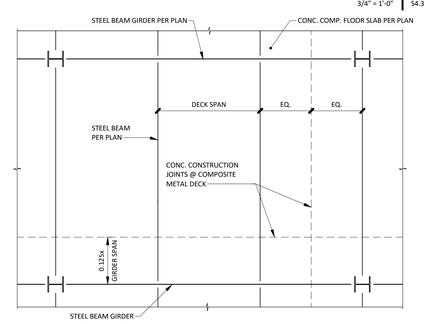
TYP. STUD PLACEMENT DETAIL | 05

3/4" = 1'-0" | S4.3



TYP. STUD POSITION DETAIL | 06

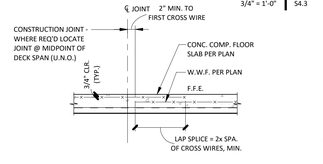
3/4" = 1'-0" | S4.3



NOTE:
G.C TO SUBMIT CONSTRUCTION JOINT PLAN W/ CONC. PLACEMENT SEQUENCE FOR REVIEW W/ METAL DECK DRAWINGS

TYP. COMP. FLR. JOINT DETAIL | 07

3/4" = 1'-0" | S4.3



TYP. COMPOSITE DECK SLAB CONSTRUCTION JOINT | 08

3/4" = 1'-0" | S4.3

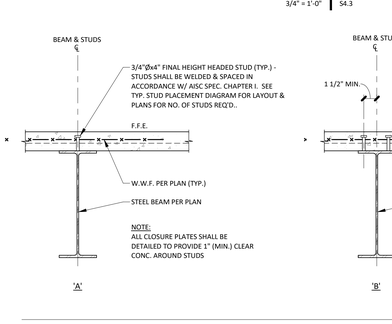
NOTES:

1.) COMPOSITE STEEL BEAMS HAVE BEEN DESIGNED AS AN UNSHORED CONSTRUCTION CONDITION. THE MAX EXPECTED DEFLECTION FOR EACH BEAM IS L/360 OR 3/4" (WHICH EVER IS SMALLER) FOR CONSTRUCTION WET CONCRETE PLACEMENT LOADING CONDITION.

2.) COMPOSITE STEEL BEAMS W/ CAMBER ARE DESIGNED SO THAT THE CAMBER IS TO DIMINISH DUE TO DEFLECTION UNDER THE CONSTRUCTION WET CONCRETE PLACEMENT LOADING CONDITION. SPECIAL CARE SHALL BE TAKEN DURING CONSTRUCTION TO ENSURE DEFLECTION IS ABLE TO HAPPEN.

CAMBER AND DEFLECTION NOTES | 09

1 1/2" = 1'-0" | S4.3

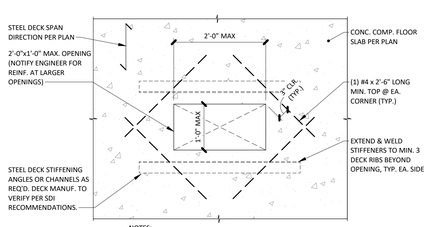


TYP. COMP. BEAMS W/ SHEAR STUDS DETAIL | 10

3/4" = 1'-0" | S4.3

TYP. SLAB SECTION - STEEL DECK RIBS PARALLEL TO BEAM/ GIRDER | 11

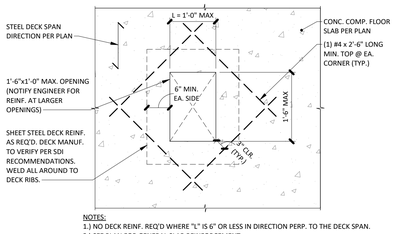
3/4" = 1'-0" | S4.3



NOTES:
1.) SEE PLAN FOR GENERAL SLAB REINFORCEMENT
2.) CONCRETE POUR STOP BY OTHERS REQ'D AT PERIMETER OF OPENING

TYP. STEEL DECK SLAB OPENING | 12

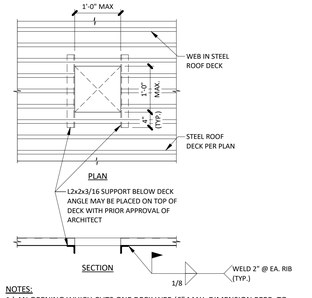
3/4" = 1'-0" | S4.3



NOTES:
1.) NO DECK REINF. REQ'D WHERE "L" IS 6" OR LESS IN DIRECTION PERP. TO THE DECK SPAN.
2.) SEE PLAN FOR GENERAL SLAB REINFORCEMENT
3.) CONCRETE POUR STOP BY OTHERS REQ'D AT PERIMETER OF OPENING

TYP. COMP. STEEL DECK SLAB OPENING | 13

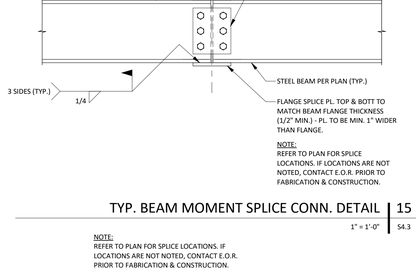
3/4" = 1'-0" | S4.3



NOTES:
1.) AN OPENING WHICH CUTS ONE DECK WEB (6" MAX, DIMENSION PERP. TO RIBS) MAY BE CUT IN DECK WITHOUT ANY SPECIAL REINFORCING.
2.) AN OPENING WHICH CUTS TWO DECK WEBS (12" MAX DIMENSION PERP. TO RIBS) , WILL REQUIRE ANGLE SUPPORT SHOWN ABOVE.
3.) ANY OPENING WHICH CUTS MORE THAN TWO DECK WEBS, FRAME OPENING WITH TYPICAL ANGLE SUPPORT FRAME.

TYP. SMALL OPENING IN STEEL ROOF DECK | 14

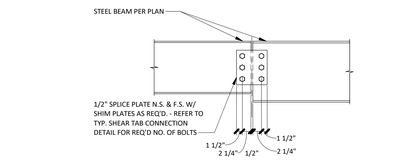
3/4" = 1'-0" | S4.3



TYP. BEAM MOMENT SPLICE CONN. DETAIL | 15

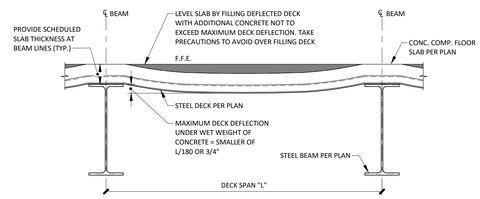
1" = 1'-0" | S4.3

NOTE:
REFER TO PLAN FOR SPLICE LOCATIONS. IF LOCATIONS ARE NOT NOTED, CONTACT E.O.R. PRIOR TO FABRICATION & CONSTRUCTION.



TYP. BEAM END SPLICE CONNECTION | 16

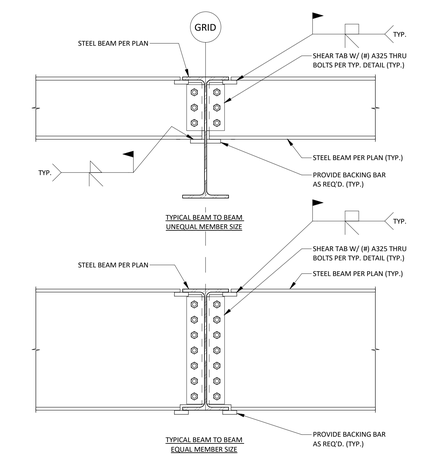
3/4" = 1'-0" | S4.3



NOTES:
1.) SCREED GUIDES SHALL BE PLACED SUCH THAT THE SCHEDULED SLAB THICKNESS ARE ACHIEVED AT THE BEAM LINES
2.) PROVIDE DECK SHORING AS REQ'D. BY SDI.

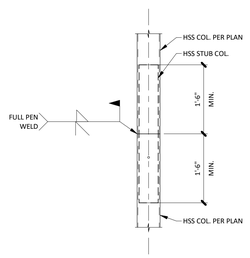
STEEL DECK DEFLECTION COMPENSATION DETAIL | 17

3/4" = 1'-0" | S4.3



TYP. BEAM TO BEAM MOMENT CONNECTION | 18

1" = 1'-0" | S4.3



TYP. HSS COLUMN SPLICE | 19

3/4" = 1'-0" | S4.3

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

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1132 West 79th Street
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Project Number 19-354

SHEET TITLE

TYPICAL FRAMING DETAILS

SHEET NUMBER

S4.3

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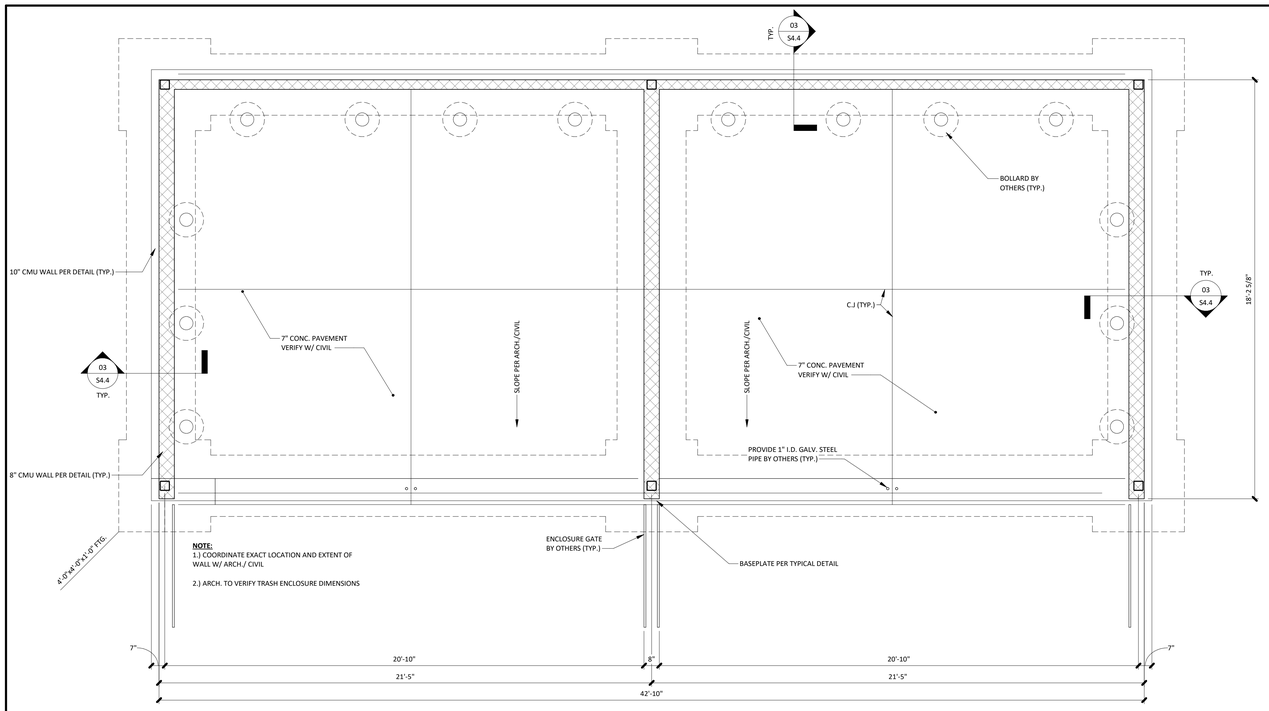
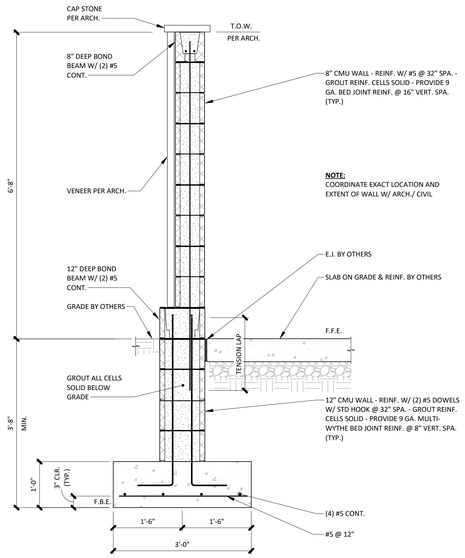
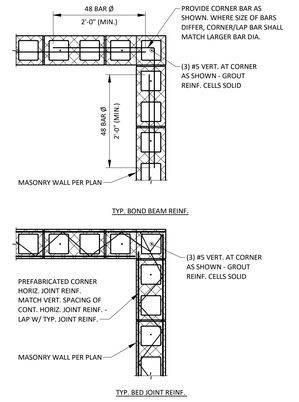


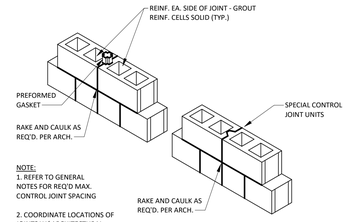
TRASH ENCLOSURE PLAN | 01
3/8" = 1'-0" | S4.4



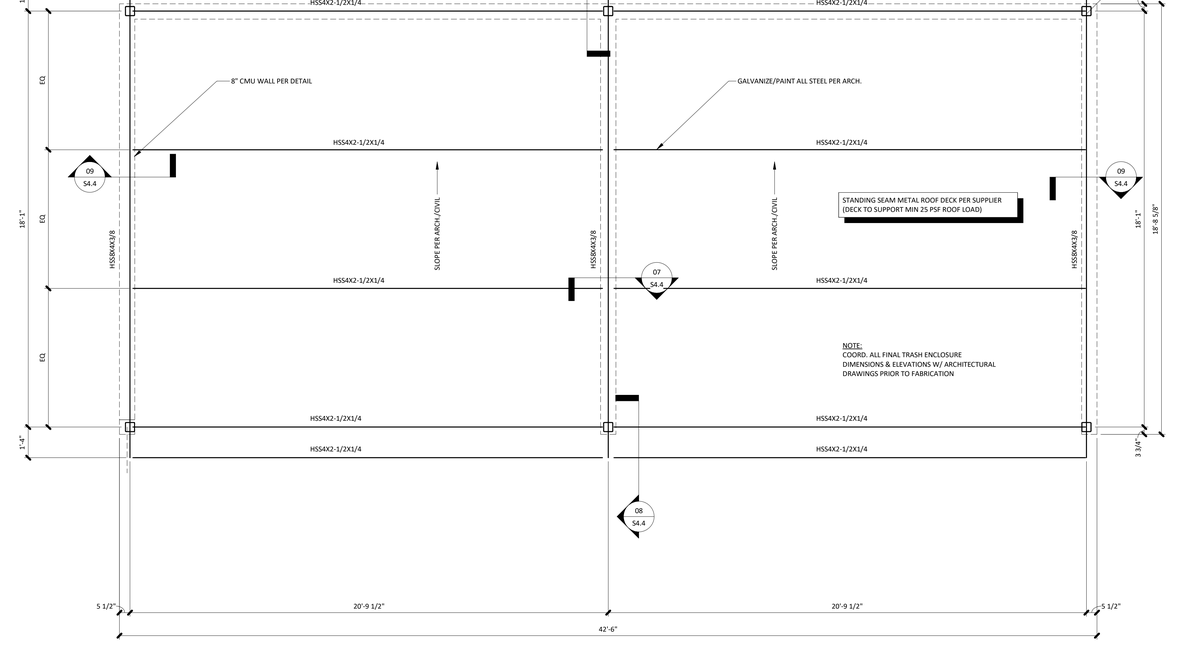
TYP. TRASH ENCLOSURE SECTION | 03
3/4" = 1'-0" | S4.4



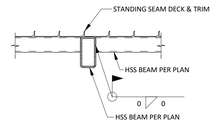
CORNER HORIZ. JOINT REINF. | 04
3/4" = 1'-0" | S4.4



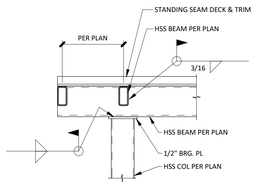
MASONRY JOINT DETAILS | 05
3/4" = 1'-0" | S4.4



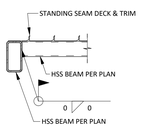
TRASH ENCLOSURE FRAMING PLAN | 02
3/8" = 1'-0" | S4.4



SECTION | 07
3/4" = 1'-0" | S4.4



SECTION | 08
3/4" = 1'-0" | S4.4

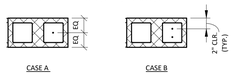


SECTION | 09
3/4" = 1'-0" | S4.4

TYPICAL SPLICE LENGTHS FOR MASONRY BLOCK - STRENGTH DESIGN												
BLOCK WIDTH	CASE A - BARS CENTERED						CASE B - (2) BARS					
	VERTICAL BAR SIZE						VERTICAL BAR SIZE					
	#3	#4	#5	#6	#7	#8	#9	#3	#4	#5	#6	#7	#8	#9
6" BLOCK	14"	18"	28"	53"	-	-	-	-	-	-	-	-	-	-
8" BLOCK	14"	18"	22"	38"	52"	72"	*	15"	25"	39"	54"	63"	-	-
10" BLOCK	14"	18"	22"	35"	40"	61"	*	15"	25"	39"	54"	63"	72"	*
12" BLOCK	14"	18"	22"	35"	40"	61"	*	14"	22"	35"	54"	63"	72"	*

SYMBOLS:
- - REINFORCING CONFIGURATION NOT PERMISSIBLE
- * MECHANICAL TENSION SPLICE REQ'D

NOTES:
1) MECH. TENSION SPLICE CAN BE FOR ANY BAR SIZE IF NOT NOTED.
2) FOR USE WITH f'M=2,000 psi & fy = 60,000 psi



MASONRY SPLICE TABLE | 06
3/4" = 1'-0" | S4.4

RELEASE FOR CONSTRUCTION
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LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-26-20
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

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Project Number 19-354

SHEET TITLE

TYPICAL MASONRY DETAILS

SHEET NUMBER

S4.4

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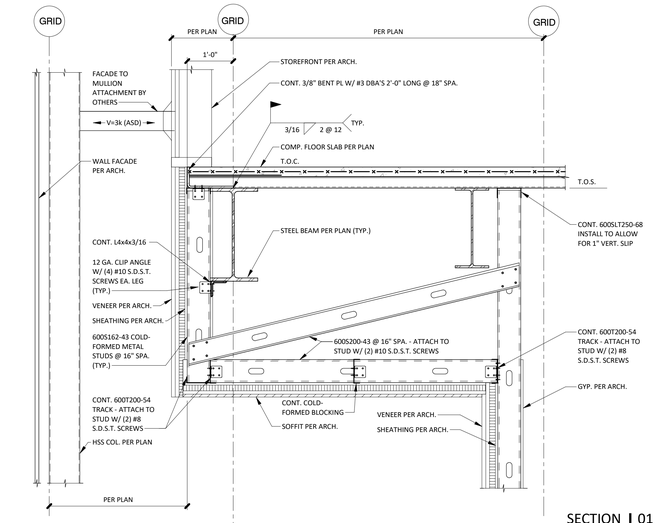
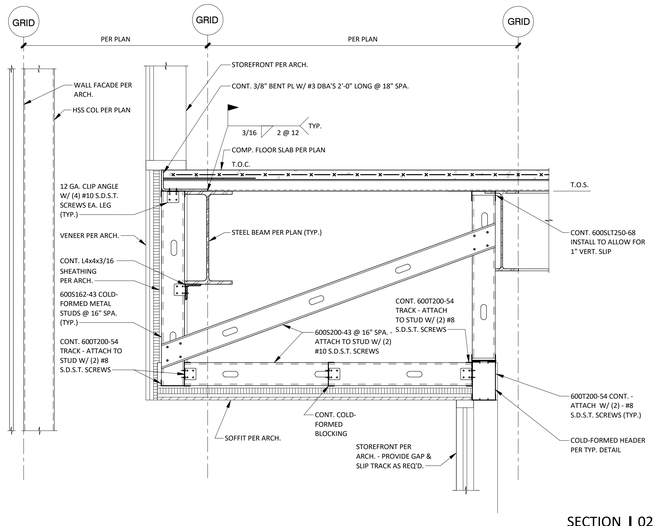
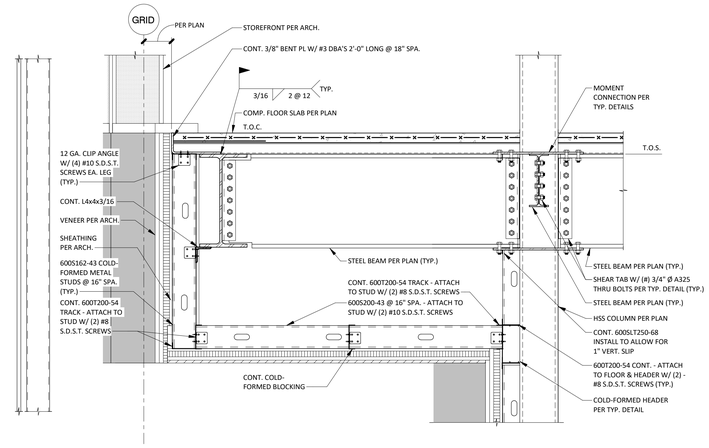


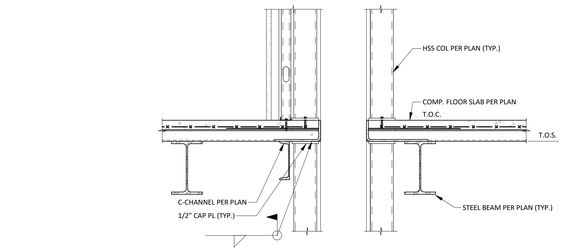
SECTION 01
3/4" = 1'-0" | S4.5



SECTION 02
3/4" = 1'-0" | S4.5

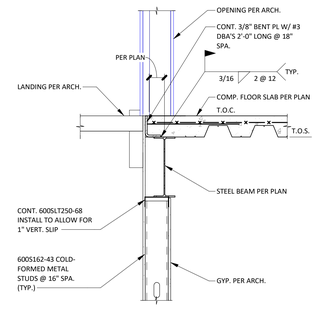


SECTION 03
3/4" = 1'-0" | S4.5



SECTION 04
3/4" = 1'-0" | S4.5

SECTION 05
3/4" = 1'-0" | S4.5



SECTION 06
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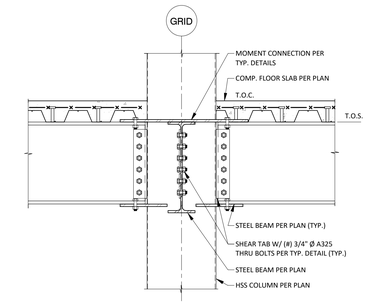

SECTION 07
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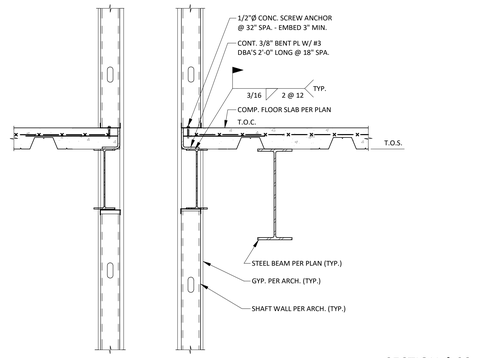
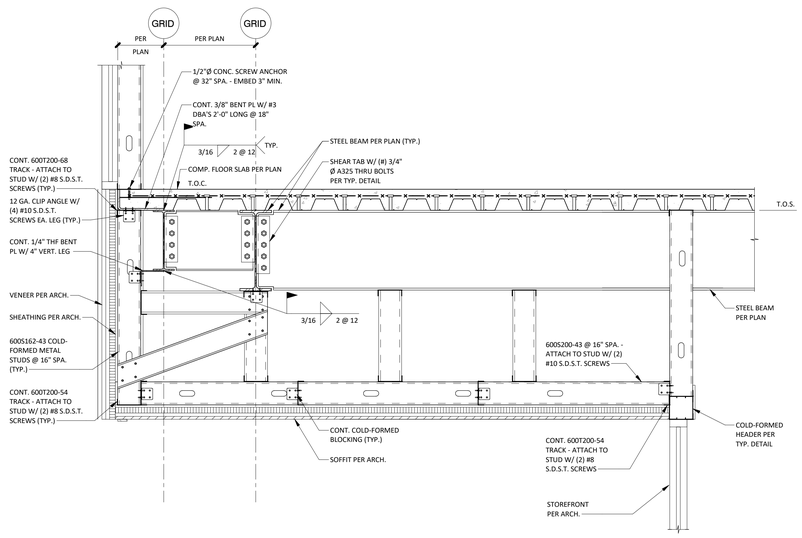
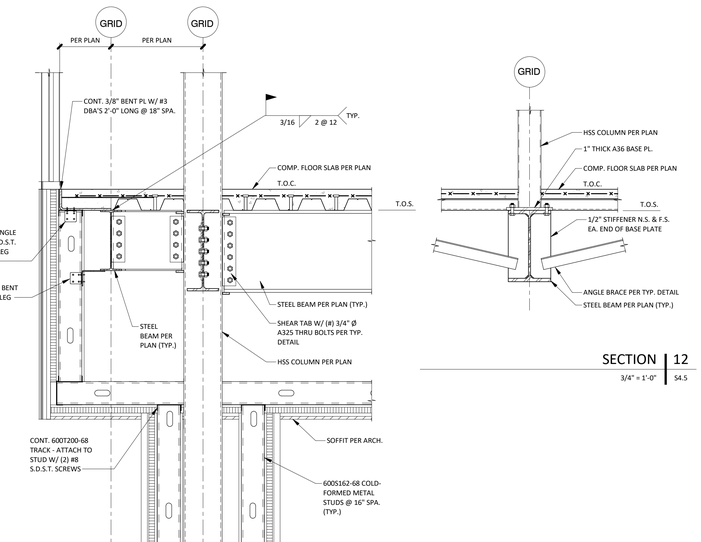


SECTION 08
3/4" = 1'-0" | S4.5

SECTION 09
3/4" = 1'-0" | S4.5



SECTION 10
3/4" = 1'-0" | S4.5



SECTION 11
3/4" = 1'-0" | S4.5

SECTION 12
3/4" = 1'-0" | S4.5

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.:	19050.01
Date:	10.25.19
Issued For:	SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

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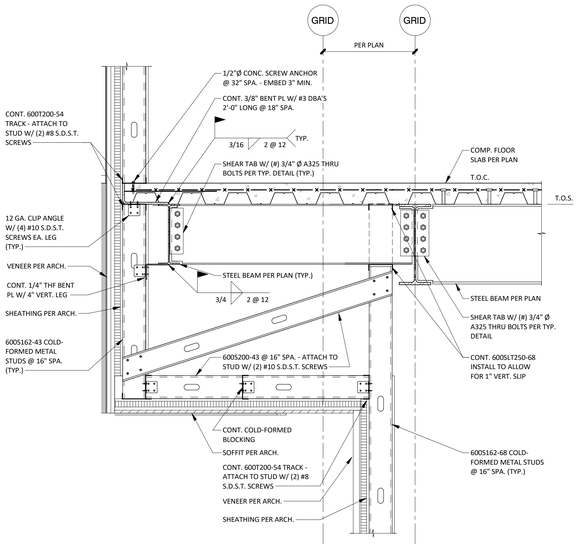
Project Number 19-354

SHEET TITLE

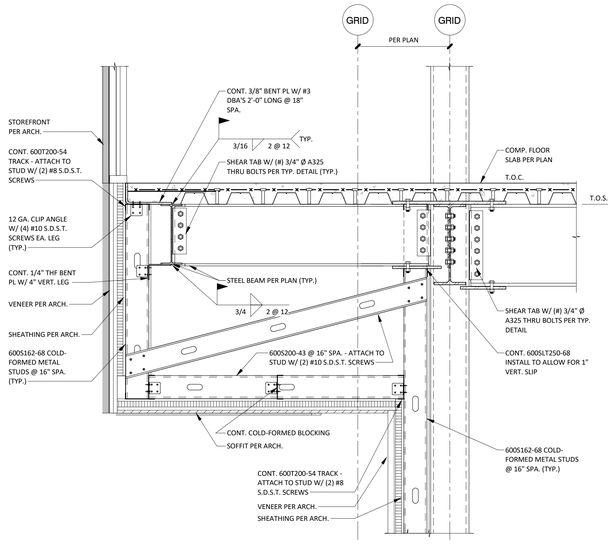
FRAMING DETAILS

SHEET NUMBER

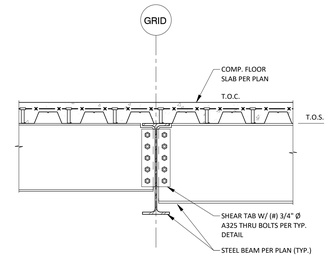
S4.5



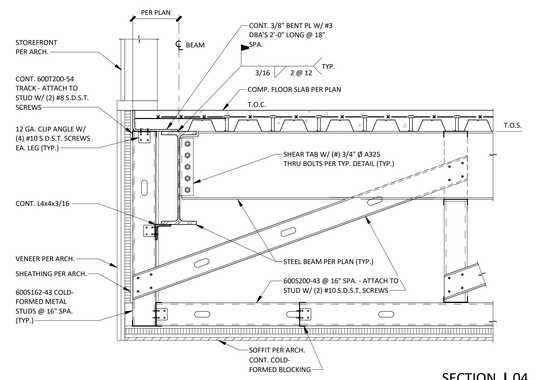
SECTION | 01
3/4" = 1'-0" | S4.6



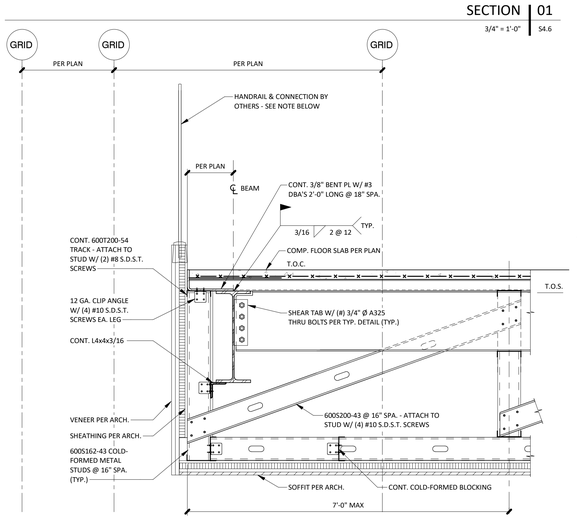
SECTION | 02
3/4" = 1'-0" | S4.6



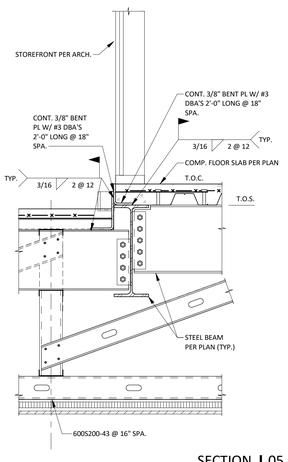
SECTION | 03
3/4" = 1'-0" | S4.6

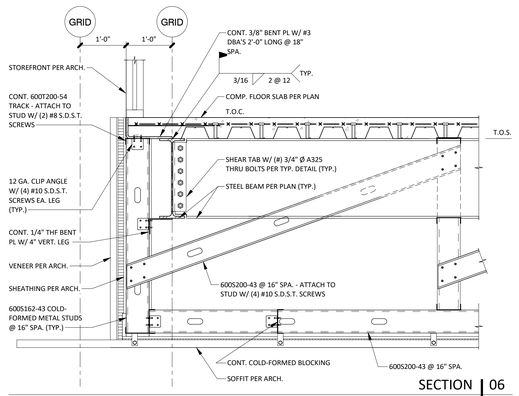


SECTION | 04
3/4" = 1'-0" | S4.6



SECTION | 05
3/4" = 1'-0" | S4.6





SECTION | 06
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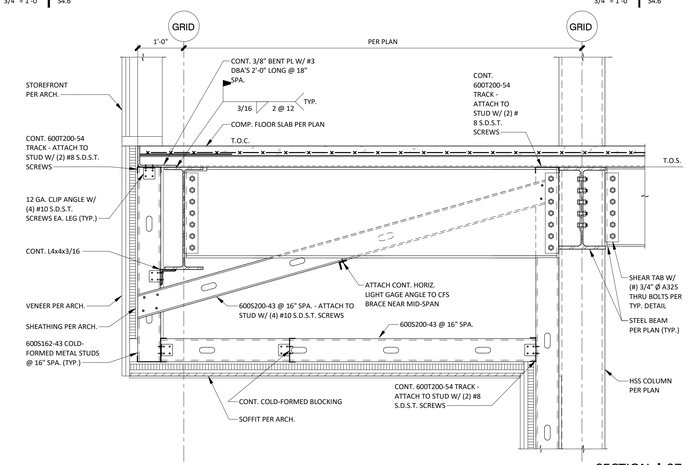
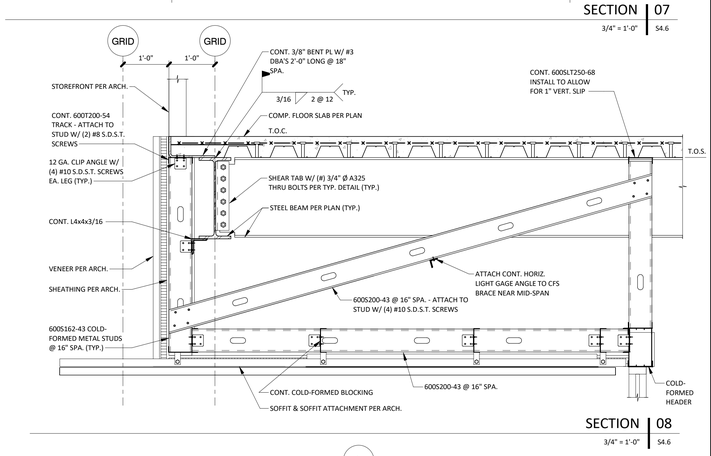


SECTION | 07
3/4" = 1'-0" | S4.6



SECTION | 08
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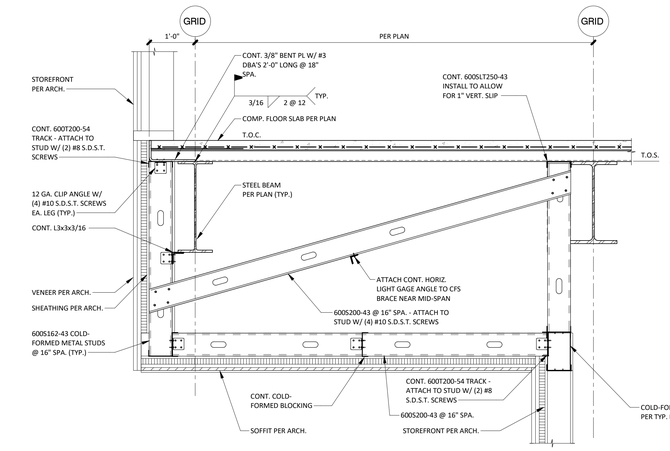
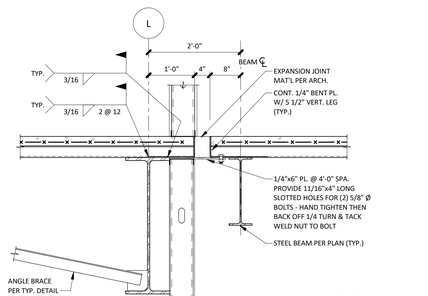
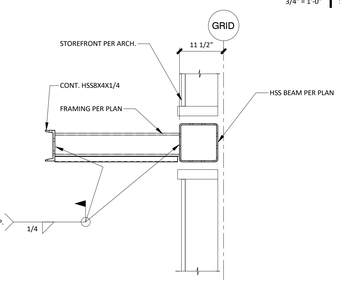


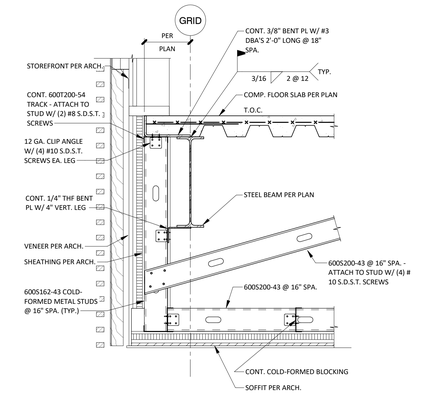
SECTION | 09
3/4" = 1'-0" | S4.6



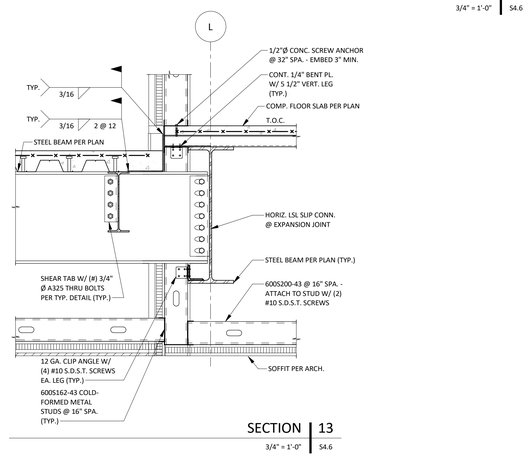
SECTION | 10
3/4" = 1'-0" | S4.6



SECTION | 11
3/4" = 1'-0" | S4.6



SECTION | 12
3/4" = 1'-0" | S4.6



SECTION | 13
3/4" = 1'-0" | S4.6

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/01/2021

PARAGON STAR

PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

Project No.: 19050.01
Date: 10.25.19
Issued For: SHELL - CD SET

REVISIONS

No.	Date	Description

REGISTRATION

STATE OF MISSOURI
JUSTIN E. BURGOON
NUMBER PE-2014015015
10-25-19
PROFESSIONAL ENGINEER

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	HOERR SCHAUDT / LAND3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	FIRE PROTECTION
CONTRACTOR	FOGEL ANDERSON

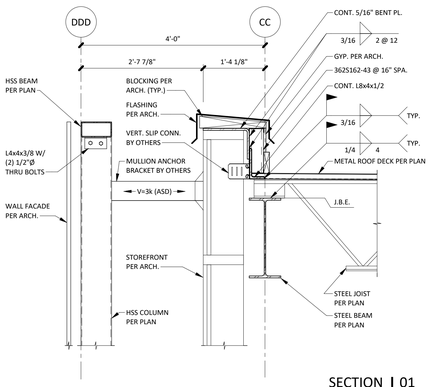
BSE STRUCTURAL ENGINEERS
1132 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 19-354

SHEET TITLE

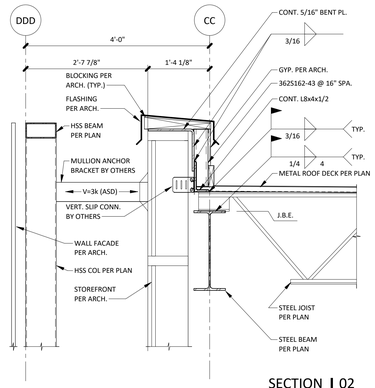
FRAMING DETAILS

SHEET NUMBER

S4.6



SECTION | 01
3/4" = 1'-0" | S4.7



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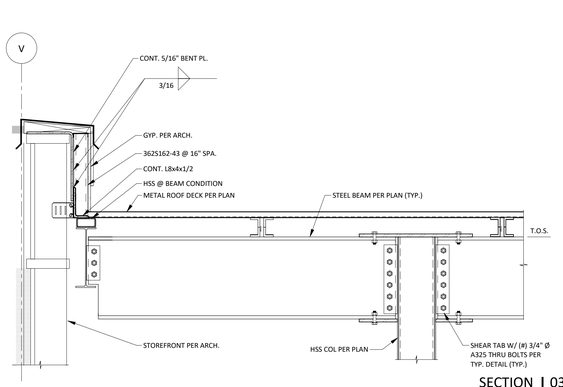

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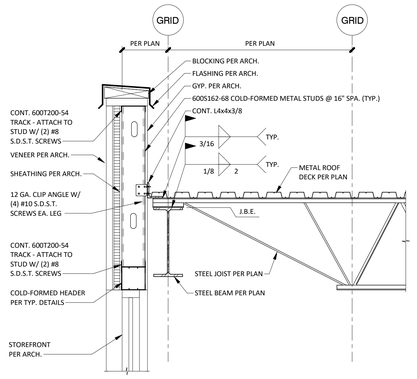

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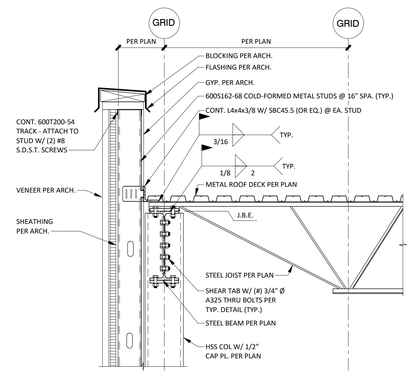
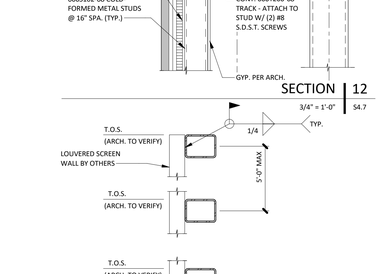


SECTION | 05
3/4" = 1'-0" | S4.7

SECTION | 06
3/4" = 1'-0" | S4.7



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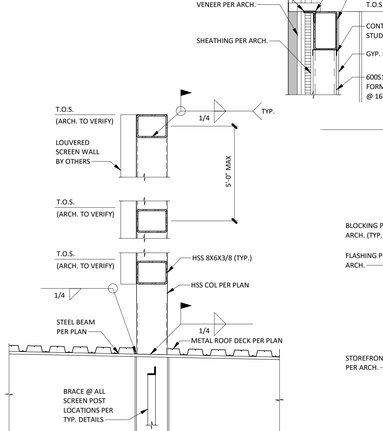

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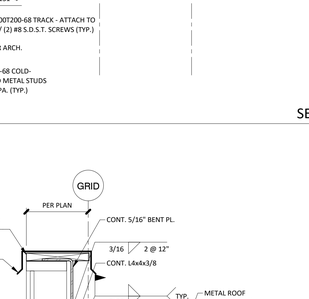
3/4" = 1'-0" | S4.7



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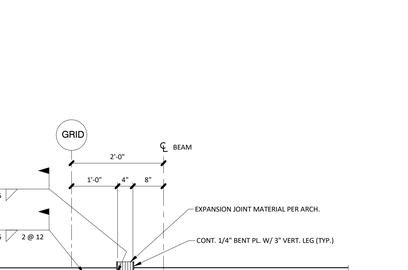
3/4" = 1'-0" | S4.7



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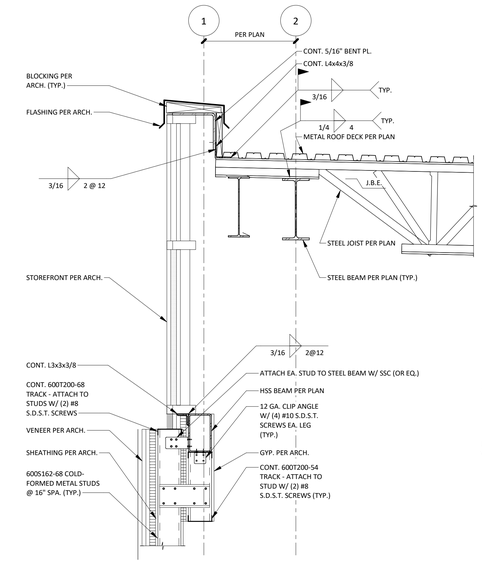
3/4" = 1'-0" | S4.7



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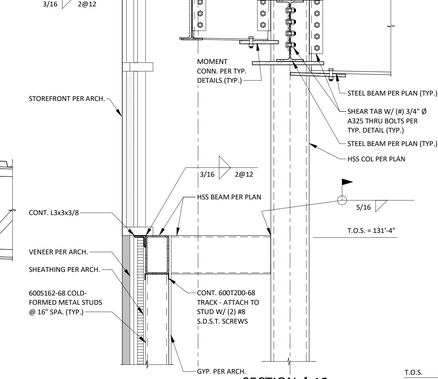
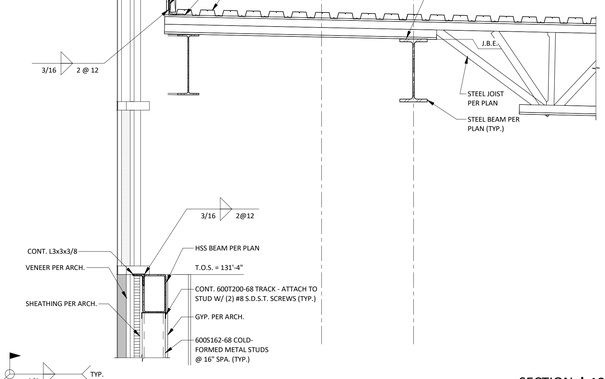
3/4" = 1'-0" | S4.7



SECTION | 12
3/4" = 1'-0" | S4.7

SECTION | 15
3/4" = 1'-0" | S4.7

SECTION | 16
3/4" = 1'-0" | S4.7



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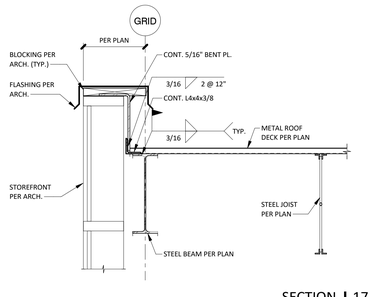
3/4" = 1'-0" | S4.7



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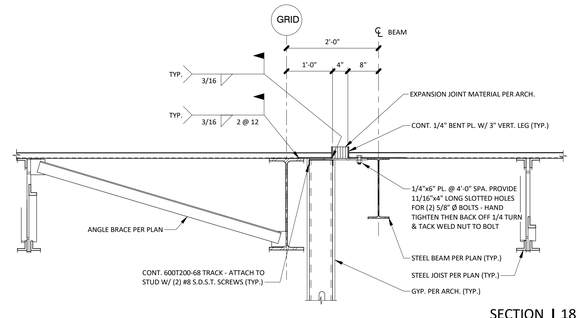
3/4" = 1'-0" | S4.7



SECTION | 18
3/4" = 1'-0" | S4.7

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PARAGON STAR - LOT 9 - BUILDING 2

LEE'S SUMMIT, MO

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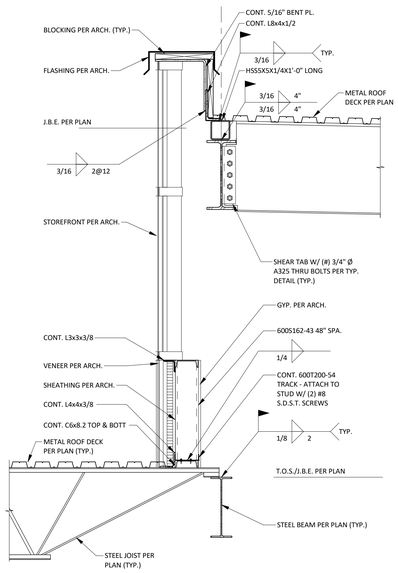
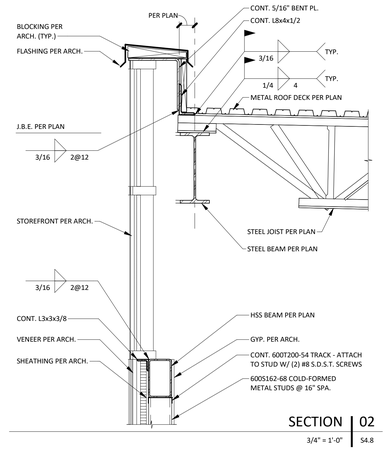


SECTION 01
3/4" = 1'-0" S4.8



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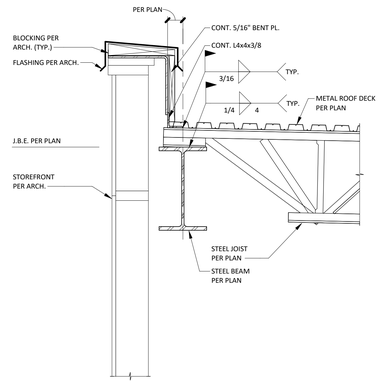

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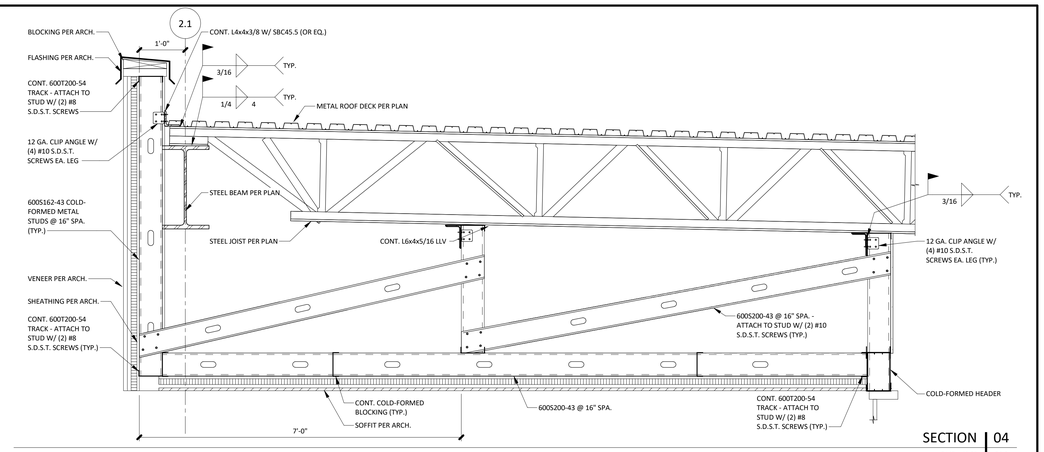

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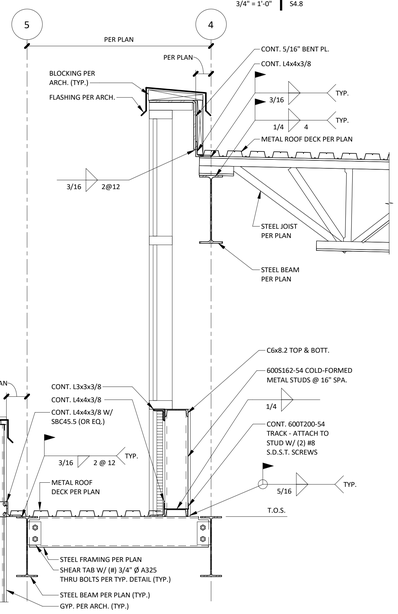

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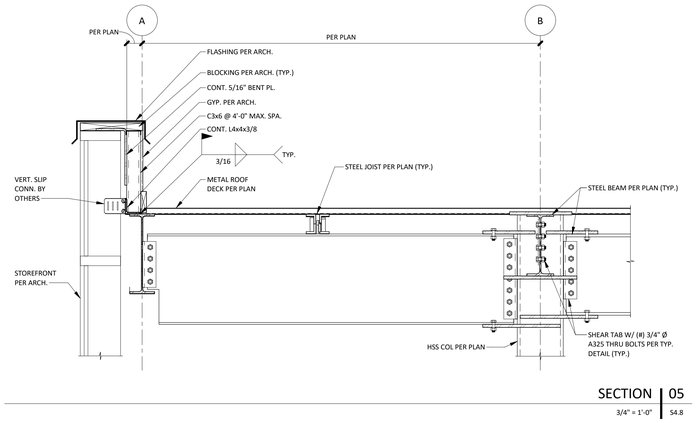
3/4" = 1'-0" S4.8



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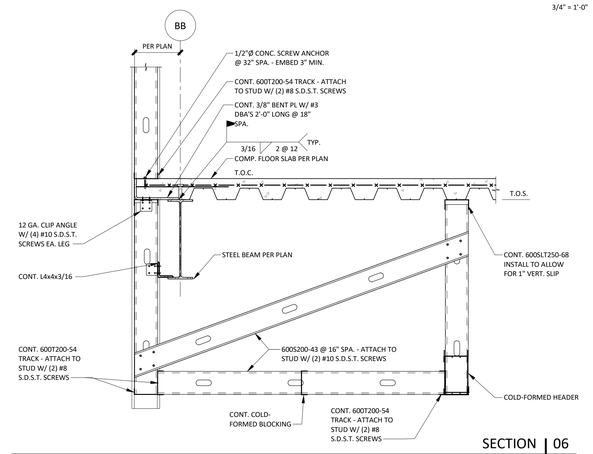
3/4" = 1'-0" S4.8



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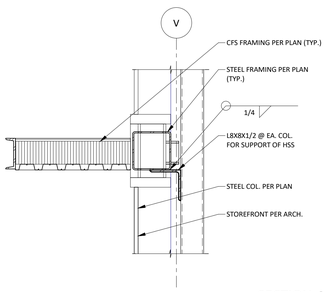
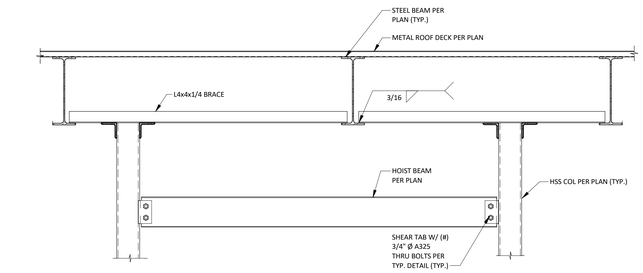
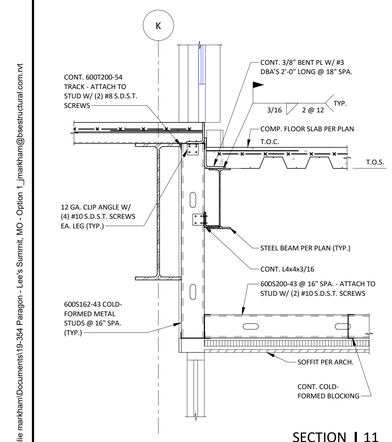
3/4" = 1'-0" S4.8



SECTION 09
3/4" = 1'-0" S4.8



SECTION 10
3/4" = 1'-0" S4.8



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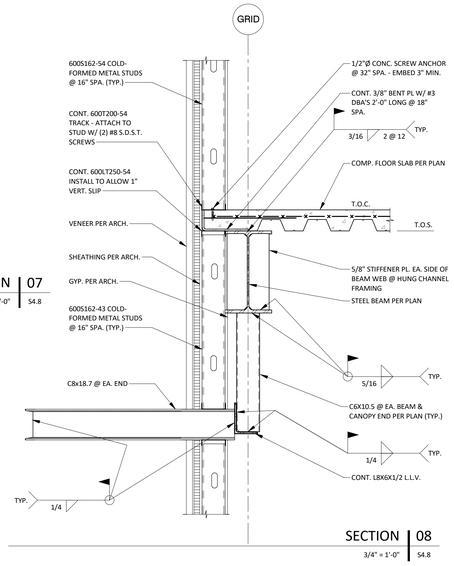
3/4" = 1'-0" S4.8



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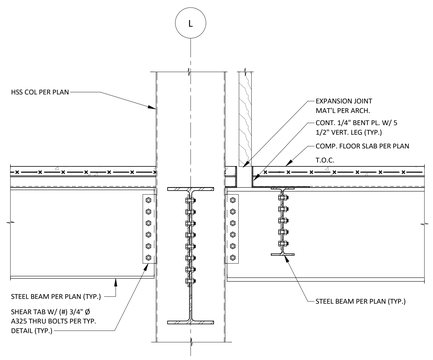
3/4" = 1'-0" S4.8



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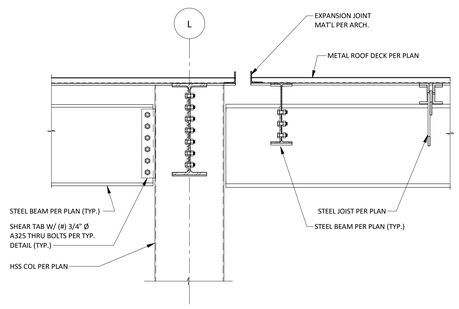
3/4" = 1'-0" S4.8



SECTION 13
3/4" = 1'-0" S4.8

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SHEET TITLE

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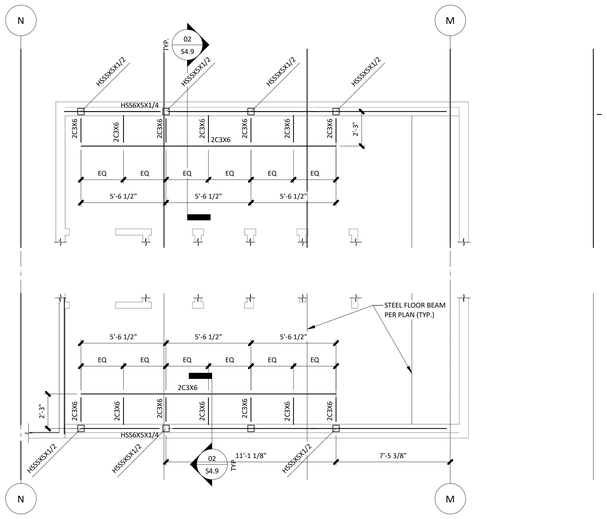
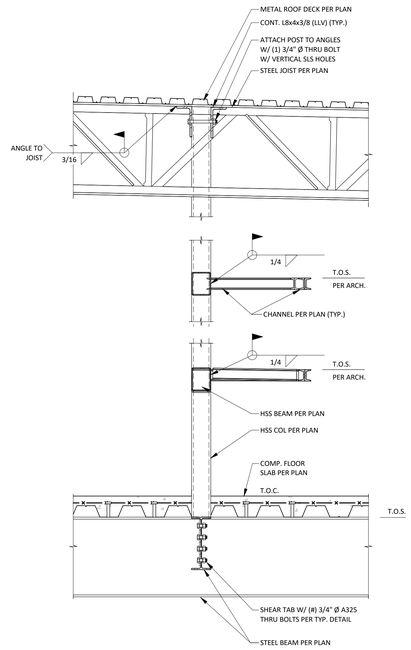
SHEET NUMBER

S4.8



ENLARGED VANITY SUPPORT PLAN | 01

1/4" = 1'-0" | S4.9



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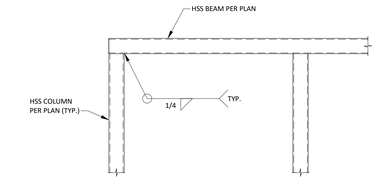
3/4" = 1'-0" | S4.9



SECTION | 03

3/4" = 1'-0" | S4.9

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