C:\Users\Jessica\Documents\Paragon Star_Bldg2Lot9_R21-Central_jreedshultz@finklewilliams.com.rvt
RENDERING FOR CONCEPTUAL REFERENCE ONLY; IMAGE MAY NOT REFLECT LATEST DESIGN. REFERENCE ELEVATIONS AND SCHEDULES FOR FINISHES.

# PARAGON STAR BLDG 2 / LOT 9

ISSUED FOR
ADDENDUM 1

RELEASE DATE
06.02.22

PROJECT NUMBER
19050.01a

## DRAWING INDEX



## PROJECT TEAM


**ARCHITECT**
FINKLE + WILLIAMS ARCHITECTURE
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**STRUCTURAL**
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**CONTRACTOR**
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**PLUMBING**
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**ELECTRICAL**
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**FIRE PROTECTION**
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FINKLE + WILLIAMS
ARCHITECTURE

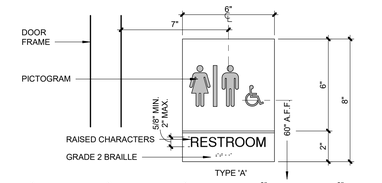
PROJECT ADDRESS
3201 NW PARAGON
PKWY
LEE'S SUMMIT, MO

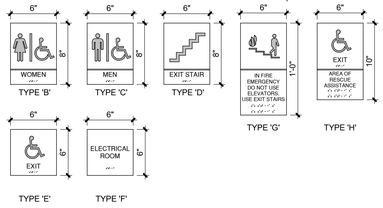
# ACCESSIBLE SIGNAGE REQUIREMENTS

## 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 |
|---|---|---|---|
| 103.A | ELECT./IT | F | ELECTRICAL / IT ROOM |
| 107.A | ELECTRICAL | F | ELECTRICAL ROOM |
| 111.A | FIRE RISER ROOM | F | FIRE SPRINKLER ROOM |
| 112.A | ELECTRICAL | F | ELECTRICAL ROOM |
| 201.A | ELEV | G | |
| 206.A | MENS RR | C | |
| 207.A | WOMENS RR | B | |
| 209.A | WEST STAIR | D | EXIT STAIR |
| 211.A | EAST STAIR | D | EXIT STAIR |

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
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
6. FIRE SPRINKLER ROOM
   a. INCLUDE 4" HIGH VINYL WHITE LETTERS W/ MIN. 0.5" STROKE READING "SPRINKLER ROOM" APPLIED TO EXTERIOR SIDE OF DOOR, AS REQUIERD BY LOCAL FIRE DEPT.

## DIRECTIONAL INFORMATION

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

# DRAWING SYMBOLS LEGEND

EXISTING CONSTRUCTION TO REMAIN

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.0's — 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 — CONSTRUCTION NOTE

# — DEMOLITION NOTE

RESTROOM ACCESSORY DESIGNATION -

CJ — GYPSUM BOARD CONTROL JOINT - REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DETAIL **2/A0.01** FOR CONSTRUCTION REQUIREMENTS.

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

# GENERAL NOTES

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 ARCHITECTS 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. CONTRACTOR SHALL COORDINATE WITH OWNER ALL ITEMS TO BE SALVAGED PRIOR TO SUBMISSION OF BIDS AND START OF CONSTRUCTION. OWNER SHALL HAVE SALVAGE RIGHTS TO RETAIN ALL REMOVED ITEMS.
11. ALL CHANGES PROPOSED DURING CONSTRUCTION WHICH RESULT IN A CHANGE TO THE CONTRACT TIME AND/OR SUM SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING AND APPROVED BY THE ARCHITECT AND OWNER BEFORE SUCH WORK COMMENCE.
12. CONTRACTOR SHALL COORDINATE CLEAR OPENINGS FOR ALL APPLIANCES PRIOR TO CONSTRUCTION OF CASEWORK.
13. CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE-RETARDANT TREATED WOOD BLOCKING BEHIND ALL CABINETS, TOILET ACCESSORIES, PLUMBING FIXTURES, AND OTHER WALL MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.
14. CONTRACTOR SHALL COORDINATE ALL LOCK AND LATCH SETS AND FINAL KEYING WITH OWNER. DOUBLE KEYED LOCKS ARE NOT PERMITTED ON ANY REQUIRED OR MARKED EXIT. MATCH EXISTING KEYING SYSTEM IF ONE IS EXISTING.
15. ALL DOOR HARDWARE ON EXIT DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT.
16. CONTRACTOR SHALL PREPARE ALL NEW AND EXISTING SURFACES SCHEDULED TO RECEIVE NEW FINISHES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE SUBSTRATE & FINISH BEING APPLIED.
17. CONTRACTOR SHALL COORDINATE FINAL QUANTITY AND LOCATIONS OF FIRE EXTINGUISHERS WITH THE FIRE DEPARTMENT AND/OR BUILDING DEPARTMENT. SEE SYMBOLS LEGEND FOR TYPE OF EXTINGUISHER.
18. ALL CONSTRUCTION MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND MAXIMUM SMOKE DEVELOPED RATING OF 50.
19. ALL PIPING, LOW VOLTAGE WIRE AND CABLE, OPTICAL FIBER, PNEUMATIC TUBING, AND ALL DUCT AND DUCT COVERINGS, LININGS AND CONNECTORS INSTALLED WITHIN PLENUMS MUST BE RATED FOR PLENUM USE.
20. TENANT SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF VOICE AND DATA CABLING AND EQUIPMENT.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE AUTOMATIC SPRINKLER SYSTEM. THE DESIGN SHALL BE PER NFPA REQUIREMENTS.
22. ALL NEW GLASS AND GLAZING LOCATED IN HAZARDOUS LOCATIONS AS DEFINED IN IBC SECTION 2406.3 SHALL MEET THE REQUIREMENTS FOR SAFETY GLAZING AS DEFINED IN IBC 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.
27. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING CONSTRUCTION INDICATED TO REMAIN AND SHALL REPAIR AND/OR REPLACE ALL AREAS AND /OR MATERIAL DAMAGED DURING CONSTRUCTION AT A MINIMUM TO THE CONDITION WHICH EXISTED PRIOR TO CONSTRUCTION.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR PRICING RADIO COVERAGE AMPLIFIER FOR EMERGENCY RESPONDERS AS AN ALTERNATE. PRIOR TO CONSTRUCTION COMPLETION, AMPLIFIER SHALL BE PROVIDED ONLY IF REQUIRED BY AHJ .

# PROFESSIONAL SERVICES DISCLAIMER

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

19050.01a, PARAGON STAR BLDG 2 / LOT 9 BY FINKLE + WILLIAMS, INC.

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

| NO. | TITLE | DATE |
|---|---|---|
| A0.00 | COVER | 06/02/22 |
| A0.01 | LEGENDS & GEN. NOTES | 06/02/22 |
| A0.02 | WALL TYPES | 06/02/22 |
| A0.03 | ARCHITECTURAL SITE PLAN | 06/02/22 |
| A0.04 | CODE SITE PLAN | 06/02/22 |
| A0.05 | CODE PLANS | 06/02/22 |
| A0.11 | SLAB EDGE PLAN - 1ST FLOOR WEST | 06/02/22 |
| A0.12 | SLAB EDGE PLAN - 1ST FLOOR EAST | 06/02/22 |
| A0.13 | SLAB EDGE PLAN - 2ND FLOOR WEST | 06/02/22 |
| A0.14 | SLAB EDGE PLAN - 2ND FLOOR EAST | 06/02/22 |
| A1.01 | OVERALL FLOOR PLANS | 06/02/22 |
| A1.02 | FIRST FLOOR PLAN -WEST | 06/02/22 |
| A1.03 | FIRST FLOOR PLAN - EAST | 06/02/22 |
| A1.04 | SECOND FLOOR PLAN - WEST | 06/02/22 |
| A1.05 | SECOND FLOOR PLAN - EAST | 06/02/22 |
| A2.01 | ENLARGED TOILET PLANS AND DETAILS | 06/02/22 |
| A2.10 | INTERIOR ELEVATIONS | 06/02/22 |
| A2.11 | INTERIOR ELEVATIONS | 06/02/22 |
| A3.01 | OVERALL ROOF PLAN | 06/02/22 |
| A3.02 | ROOF PLAN - WEST | 06/02/22 |
| A3.03 | ROOF PLAN - EAST | 06/02/22 |
| A3.05 | ROOF DETAILS | 06/02/22 |
| A4.01 | EXTERIOR ELEVATIONS | 06/02/22 |
| A4.02 | ENLARGED ELEVATIONS - NORTH | 06/02/22 |
| A4.03 | ENLARGED ELEVATIONS - SOUTH | 06/02/22 |
| A4.04 | ENLARGED ELEVATIONS | 06/02/22 |
| A5.00 | BUILDING SECTIONS | 06/02/22 |
| A5.01 | WALL SECTIONS | 06/02/22 |
| A5.02 | WALL SECTIONS | 06/02/22 |
| A5.03 | WALL SECTIONS | 06/02/22 |
| A5.04 | WALL SECTIONS | 06/02/22 |
| A5.05 | WALL SECTIONS | 06/02/22 |
| A5.06 | WALL SECTIONS | 06/02/22 |
| A5.07 | WALL SECTIONS | 06/02/22 |
| A5.08 | WALL SECTIONS | 06/02/22 |
| A6.01 | VERTICAL CIRCULATION | 06/02/22 |
| A6.02 | VERTICAL CIRCULATION | 06/02/22 |
| A6.03 | VERTICAL CIRCULATION | 06/02/22 |
| A6.04 | VERTICAL CIRCULATION | 06/02/22 |
| A6.05 | VERTICAL CIRCULATION | 06/02/22 |
| A6.06 | VERTICAL CIRCULATION | 06/02/22 |
| A6.07 | VERTICAL CIRCULATION DETAILS | 06/02/22 |
| A7.01 | DETAILS | 06/02/22 |
| A7.02 | DETAILS | 06/02/22 |
| A8.01 | DOOR SCHEDULE AND DETAILS | 06/02/22 |
| A8.02 | DOOR & WINDOW DETAILS | 06/02/22 |
| A8.03 | DOOR & WINDOW DETAILS | 06/02/22 |
| A8.10 | FINISH SCHEDULE AND DETAILS | 06/02/22 |
| A8.11 | FINISH PLAN | 06/02/22 |
| A9.01 | REFLECTED CEILING PLAN | 06/02/22 |
| A9.10 | CEILING DETAILS | 06/02/22 |
| A11.10 | PROJECT SPECIFICATIONS | 06/02/22 |
| A11.11 | PROJECT SPECIFICATIONS | 06/02/22 |
| A11.12 | PROJECT SPECIFICATIONS | 06/02/22 |

THE UNDERSIGNED ARCHITECT AND FINKLE + WILLIAMS DISCLAIM RESPONSIBILITY FOR ALL OTHER CONSTRUCTION DOCUMENTS, AND ANY OTHER SPECIFICATIONS, REPORTS, ESTIMATES, SHOP DRAWINGS, ETC. RELATING TO OR INTENDED TO BE USED FOR ANY PART OF THE ARCHITECTURAL OR ENGINEERING PROJECT, INCLUDING ANY GEOTECHNICAL ENGINEERING SERVICES, OR ENVIRONMENTAL REPORTS.

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

ARCHITECT: DAVID A. WILLIAMS

# BUILDING SUMMARY

## GENERAL BUILDING INFORMATION

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

## APPLICABLE CODES

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

## GENERAL BUILDING LIMITATIONS (CHAPTER 3, 5)

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

**HEIGHT MODIFICATIONS (Sec. 504)**

SPRINKLER INCREASE: Sprinkler increase = 20' and (1) Story

TOTAL ALLOWABLE HEIGHT: 75', (3) Stories
TOTAL PROPOSED HEIGHT: 45', (2) Stories

**AREA MODIFICATIONS (Sec. 506)**

YARD INCREASE: (Iy) I = 100 (F/P - 0.25) x W/30 = *%
SPRINKLER INCREASE: (Is) I = 100 (1148'/148' - 0.25) x 30/30 = 75%
Automatic Sprinkler System Throughout per Sec. 903.3.1.1
Y - Single-Story sprinklered (Is = 300%)

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

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

## FIRE PROTECTION

**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

## GENERAL EXITING LIMITATIONS (CHAPTER 10)

**OCCUPANT LOAD (1004):**

FIRST FLOOR:
MERCANTILE: 6,792 S.F. / 60 S.F. PER OCCUPANT = 114 OCCUPANTS
RESTAURANT: 20,740 S.F. TOTAL
75% SEATING: 15,555 S.F. / 15 S.F. PER OCCUPANT = 1,037 OCCUPANTS
25% KITCHEN: 5,185 S.F. / 200 S.F. PER OCCUPANT = 26 OCCUPANTS

SECOND FLOOR:
BUSINESS: 33,145 S.F. / 150 S.F. PER OCCUPANT = 221 OCCUPANTS
STORAGE: 300 S.F. / 300 S.F. PER OCCUPANT = 1 OCCUPANT

TOTAL BUILDING OCCUPANCY: 1,399 OCCUPANTS

**MAXIMUM TRAVEL DISTANCE (1016):**
TABLE 106.2: B = 300 FT (FULLY SPRINKLERED); M = 250 FT (FULLY SPRINKLERED); S-1 = 250 FT (FULLY SPRINKLERED)

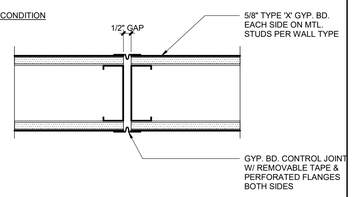
## MINIMUM PLUMBING FIXTURE COUNT (CHAPTER 29)

| 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) | 33,107 SF / 150 = 218 | 4 / 4* | 4 / 4 | 3 / 3 | 3 / 3 | 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.

NON-RATED CONDITION




GENERAL NOTE:
CONTROL JOINTS TO BE LOCATED AT 30'-0" MAXIMUM GYP. BD. DISTANCE, OR AS INDICATED ON PLANS (MATCH CMU CONTROL JOINT LOCATIONS WHERE APPLICABLE)

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

C:\Users\Jessica\Documents\Paragon Star_Bldg2Lot9_R21-Central_jreedshultz@finklewilliams.com.rvt

PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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


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


SHEET TITLE

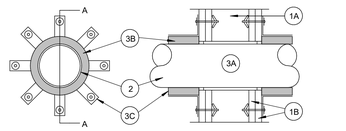
LEGENDS & GEN. NOTES

SHEET NUMBER

A0.01

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 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 30in. 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/steel duct interface on both surface of floor and on both surfaces of wall assembly.
      Mineral Wool and Mortar - Cpn. 2 from SWB+
   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

## 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 2-1/2 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 nom 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 30in. 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/steel duct interface on both surface of floor and on both surfaces of wall assembly.
      Mineral Wool and Mortar - Cpn. 2 from SWB+
   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.

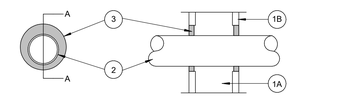
*Bearing the UL Classification Marking

## 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 perphery 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. Conduit - Nom 4 in. diam (or smaller) steel conduit.
   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.

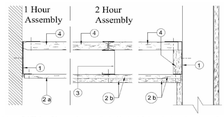
*Bearing the UL Classification Marking

## 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)**



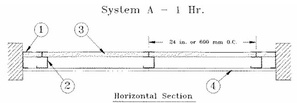

1. A minimum 2-1/2" deep 24 gauge J-runner attached horizontally to perimeter or boundary walls with a power actuated fasteners.
2. Gypsum Wall
   a. For a one (1) hour assembly: Attach one (1) layer of 5/8" thick SHEETROCK® Brand FIRECODE® CCore Gypsum (Type C), to the underside of the "Corridor Ceiling" 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 oriented with the flanges 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.**

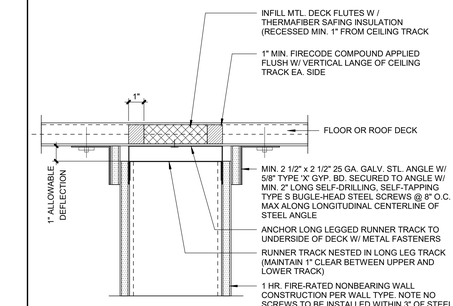



1. Floor, Side and Ceiling Runners — "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when item 4A, 4B or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. 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. W hen furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX-G gypsum wallboard, Type RS-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7).
   C. Furring Channels — (Optional, not shown) — For use with single or double layer systems. Furring channels fabricated from min 25 MSG galv steel, formed to provide two flanges, each 1 in. wide, and a 1-1/2 in. deep web. Furring channels attached directly over the face of wallboard on each stud with 2 in. long Type S pan head steel screws, one at the top of the web and one at the 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 RS-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7).
      a. Furring Channels — Formed of No. 20 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 5. 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 3-5/8 in. furring channels.
      PAC INTERNATIONAL INC — 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 AZ3TR 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 AZ3TR
   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. 20 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 5. Gypsum board installed vertically only and attached to furring channels as described in Item 3.
      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. GENIECLIP2 — Type GENIECLIP
3. Gypsum Board* — Gypsum liner panels, nom 1- to 2- in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels cut to long leg of vertical "J" - runners. With 1-5/8 in. long Type S steel screws spaced kind and greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. piece of 1 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips.
   CGC INC — Type SLX
   UNITED STATES GYPSUM CO — Type SLX
   USG BORAL ZAWAYI DRYWALL L L C SRZ — Type SLX
   USG MEXICO S A DE C V — Type SLX
4. Gypsum Board* —System A — 1 Hr
   Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when installed horizontally. Horizontal joints need not be backed by steel framing.
   CGC INC — Types AR, C IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX
   UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULH, ULX, WRC, WRX, USGX. When ULIX is used insulation, item 6, Batts and Blankets* is required and minimum stud depth is 4 in.
   USG BORAL ZAWAYI DRYWALL L L C SRZ — Types C, SCX
   USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX
   A. Gypsum Board* — (As an alternative to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) — Nom 5/8 in. or 3/4 in. thick laid backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9) or Lead Discs or Tabs (see Item 10).
   RAY-BAR ENGINEERING CORP — Type RB-LBG
   B. Gypsum Board* — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) - Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
   NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Type Nelco
   C. Gypsum Board* — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) - Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A). Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip.
   MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum
   D. Gypsum Board* — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.065 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-2011, Grade "C".
   RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall
5. Joint Tape and Compound — (Not Shown) – Joints on outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. Exposed screw heads covered with joint compound.
6. Batts and Blankets* — (Optional) – Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt mineral bearing the UL Classification Marking as to Fire Resistance.
   System A With Type ULIX Gypsum Boards:
   Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.
7. Cementitious Backer Units* – (System D) – Not Used
8. Laminating Adhesive* — (Optional, Not Shown)
9. Lead Batten Strips — (Not Shown, For Use With Item 4A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-2011, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Required behind vertical joints.
   A. Lead Batten Strips — (Not Shown, for use with Item 4C) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-2011, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.
10. Lead Discs or Tabs — (Not Shown, For Use With Item 4A) - Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-2011, Grade "C".
   A. Lead Discs — (Not Shown, for use with Item 4C) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-2011, Grades "B, C or D".
11. Lead Batten Strips — (Not Shown, For Use With Item 4B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-2011, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4B) and optional at remaining stud locations.
12. Lead Tabs — (Not Shown, For Use With Item 4B) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 4B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-2011, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*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"



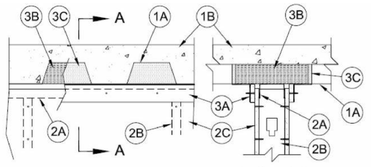

1 HOUR FIRE RATED SLIP CONNECTION
REFERENCE U.L. SYSTEM NO. HW-D-0001

## 9 WALL TERMINATION 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**




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 materials.
   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) 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 according to structural requirements. (See table under Item 3A for recommended runner sizes). Runners secured to floor and ceiling prior to erection 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 resting 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 52 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 5/8 in. (16 mm), 1 in. (25 mm), 2 in. (51 mm) and 3 in. (76 mm) joints, respectively.
4. Joint System — The joint system is designed to accommodate a max 80 percent compression or extension from its installed width. The joint system consists of a forming material and fill material in the flutes of the steel deck and a "slip track" detail consisting of restraining angles in combination with gypsum board on the vertical flanges. When the floor assembly consists of a flat concrete slab (Item 1B), the forming material (Item 3B) and fill material (3C) are not used. The components of the system are as follows:
   A. Restraining Angles — Angles formed from min 25 ga galv. Piece of gypsum board cut from the same gypsum board used for the wall (Item 2C). See table below for min angle and gypsum board strip length. Gypsum board liner secured to steel angle with min 1 in. (25 mm) long self-drilling, self-tapping Type S bugle head steel screws spaced max 8 in. (203 mm) OC along longitudinal centerline of steel angle. Screws installed through face of gypsum board such that excess screw length protrudes through leg of steel angle. Restraining angles installed along top of each side of wall assembly with gypsum board liner against vertical flutes and horizontal leg of steel angle against underside of steel deck or bottom of floor slab. Restraining angles secured to valleys of steel deck or to concrete floor slab with steel masonry anchors spaced max 12 in. (305 mm) OC.

| 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) |

   B. Forming Material* — Min 4 pcf (64 kg/m3) density mineral wool batt insulation firmly packed into flutes of steel deck across top of wall as a permanent form. Forming material to be recessed from edges of restraining angles on each side of wall to accommodate the required thickness of fill material.
   THERMAFIBER INC — Type SAF
   1. Forming Material* — (Optional, Not Shown) - Preformed mineral wool plugs, formed to the shape of the fluted floor units, friction fit to completely fill the flutes above the ceiling channel. The plugs shall project beyond each side of the ceiling runner and shall be recessed from both wall surfaces to accommodate the required thickness of fill material (Item 3C). Additional forming material, described in Item 3B, to be used in conjunction with the plugs to fill the gap between the top of gypsum board and bottom of steel deck.
      THERMAFIBER INC — Topfloop mineral wool deck plugs Type SAF batts
   C. Fill, Void or Cavity Material* — Min 1/2 in. (13 mm) thickness of fill material applied within the recess of each steel deck flute, flush with the outside edge of the restraining angle on each side of the wall. Dry mix material mixed with water at a rate of 2.1 parts dry mix to 1 part water, by weight, in accordance with accompanying instructions.
   UNITED STATES GYPSUM CO — Type FC
   1. Fill, Void or Cavity Material* — As an alternate to Item 3C, min 1/2 in. (13 mm) thickness of two component fill material applied within the recess of each steel deck flute, flush with the outside edge of the restraining angle on each side of the wall. Ready-mixed component mixed with accelerator component at a rate of 66 parts of ready-mixed component to 1 part of accelerator component by weight in accordance with the accompanying installation instructions.
      UNITED STATES GYPSUM CO — Type RFC
   2. Fill, Void or Cavity Material* — As an alternate to Item 3C, min 1/8 in. (3 mm) wet thickness of fill material sprayed or brushed on each side of the wall to completely cover mineral wool forming material (Item 3B) and to overlap a min of 1/2 in. (13 mm) onto restraining angle and steel deck.
      UNITED STATES GYPSUM CO — Type SA
   3. Fill, Void or Cavity Material* — As an alternate to Item 3C, min 1/4 in. (6 mm) wet thickness of fill material sprayed on each side of the wall to completely cover the mineral wool forming material and to lap min 1/2 in. (13 mm) onto restraining angle and steel deck.
      UNITED STATES GYPSUM CO — Type AS

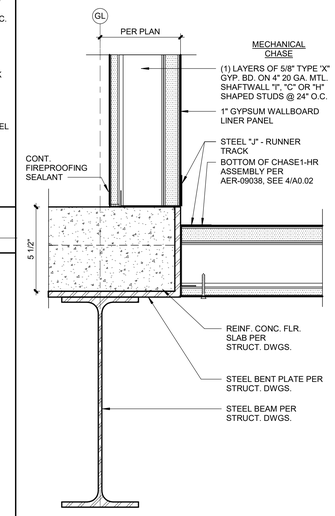
*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

## 1 TERMINATION DETAIL

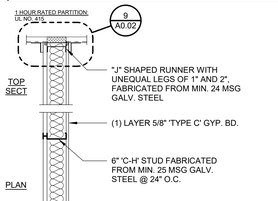
A0.02 SCALE : 1" = 1'-0"

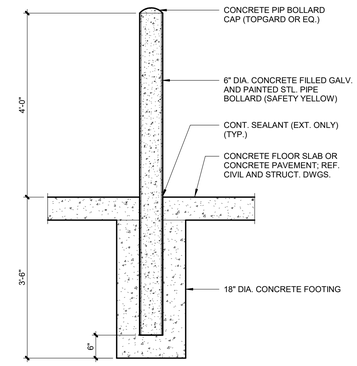
## 2 SHAFT EDGE DETAIL

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



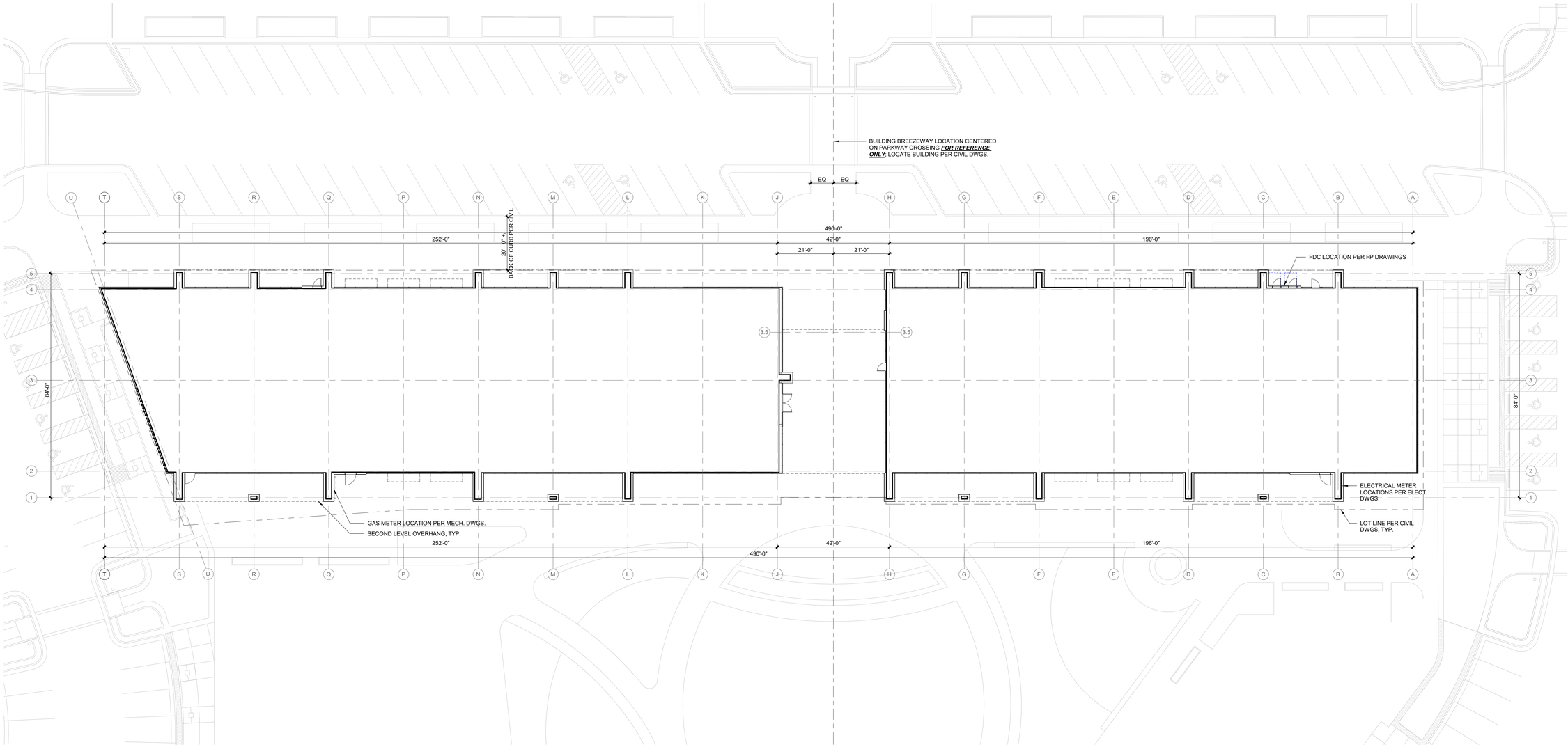

1 HOUR RATED PARTITION:
UL NO. 415


9
A0.02
TOP SECT
PLAN
BOTTOM SECT
"J" SHAPED RUNNER WITH UNEQUAL LEGS OF 1" AND 2", FABRICATED FROM MIN. 24 MSG GALV. STEEL
(1) LAYER 5/8" 'TYPE C' GYP. BD.
6" 'C-H' STUD FABRICATED FROM MIN. 25 MSG GALV. STEEL @ 24" O.C.
3 1/2" BATT INSULATION, WHERE SCHEDULED
(1) LAYER 1" TYPE 'SLX' GYPSUM LINER PANEL
6 5/8"
"J" SHAPED RUNNER WITH UNEQUAL LEGS OF 1" AND 2", FABRICATED FROM MIN. 24 MSG




2 BOLLARD DETAIL

A0.03 SCALE : 3/4" = 1'-0"




1 ARCHITECTURAL SITE PLAN

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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

FINKLE + WILLIAMS
ARCHITECTURE

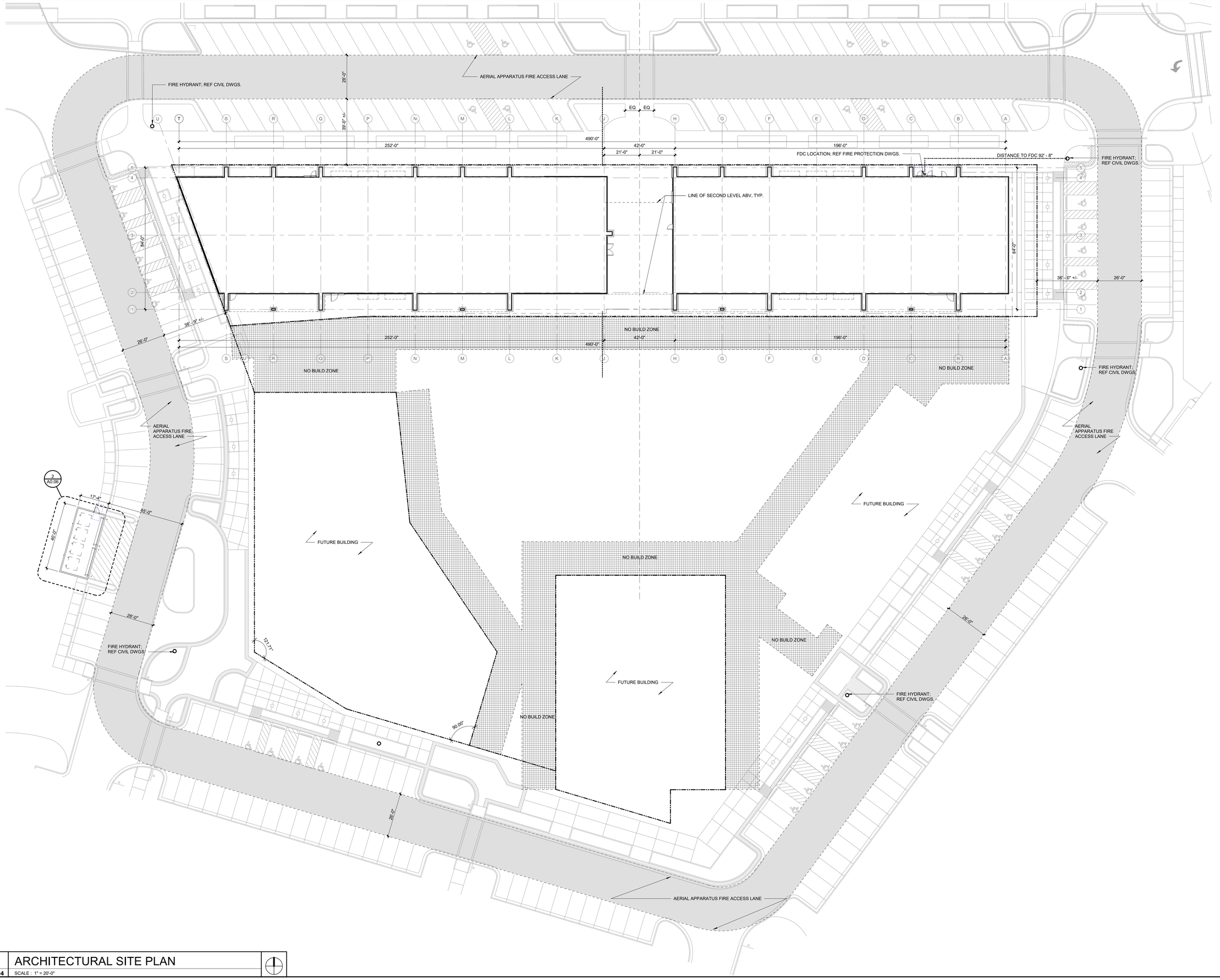
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

ARCHITECTURAL SITE PLAN

SHEET NUMBER

A0.03




1 ARCHITECTURAL SITE PLAN
A0.04 SCALE : 1" = 20'-0"

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# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

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|---|---|
| Project No.: | 19050.01a |
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REGISTRATION

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

05.06.22

PROJECT TEAM

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

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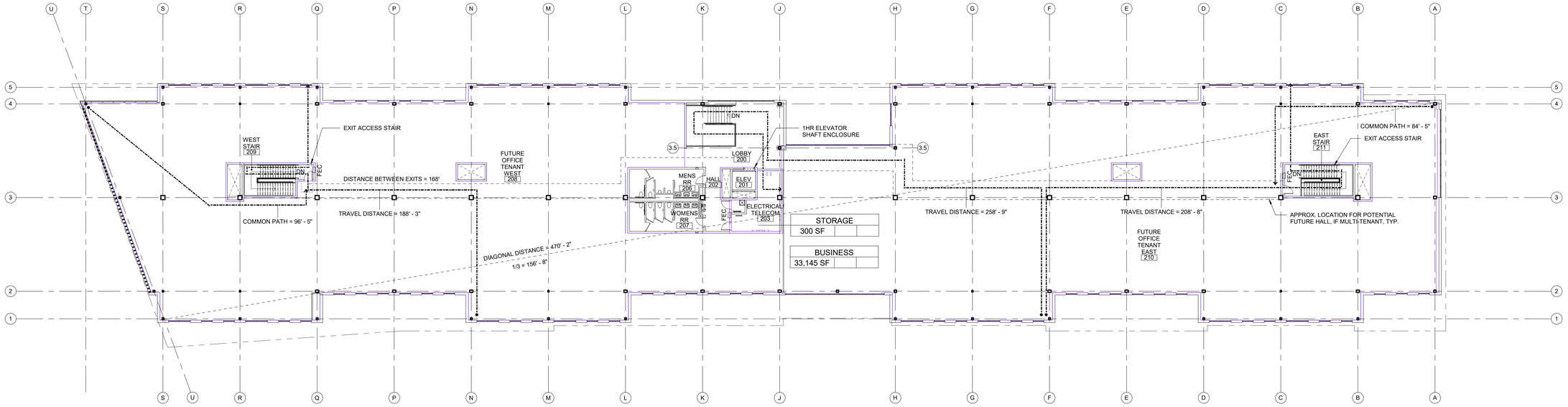
SHEET TITLE

CODE SITE PLAN

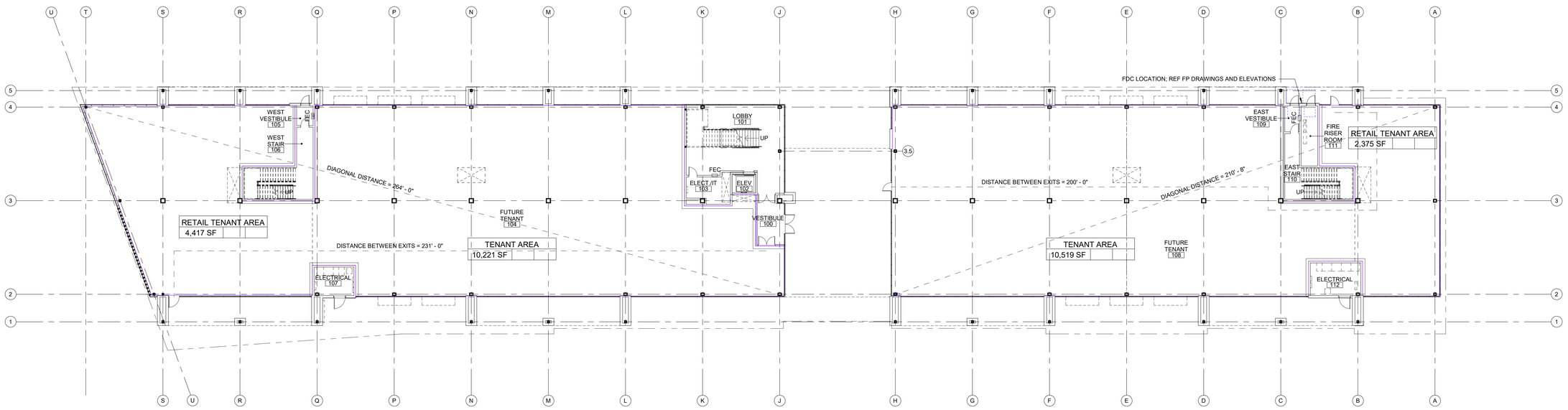
SHEET NUMBER

A0.04




2 **2ND FLOOR CODE PLAN**

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




1 **1ST FLOOR CODE PLAN**

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

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# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

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REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
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05.06.22

PROJECT TEAM

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

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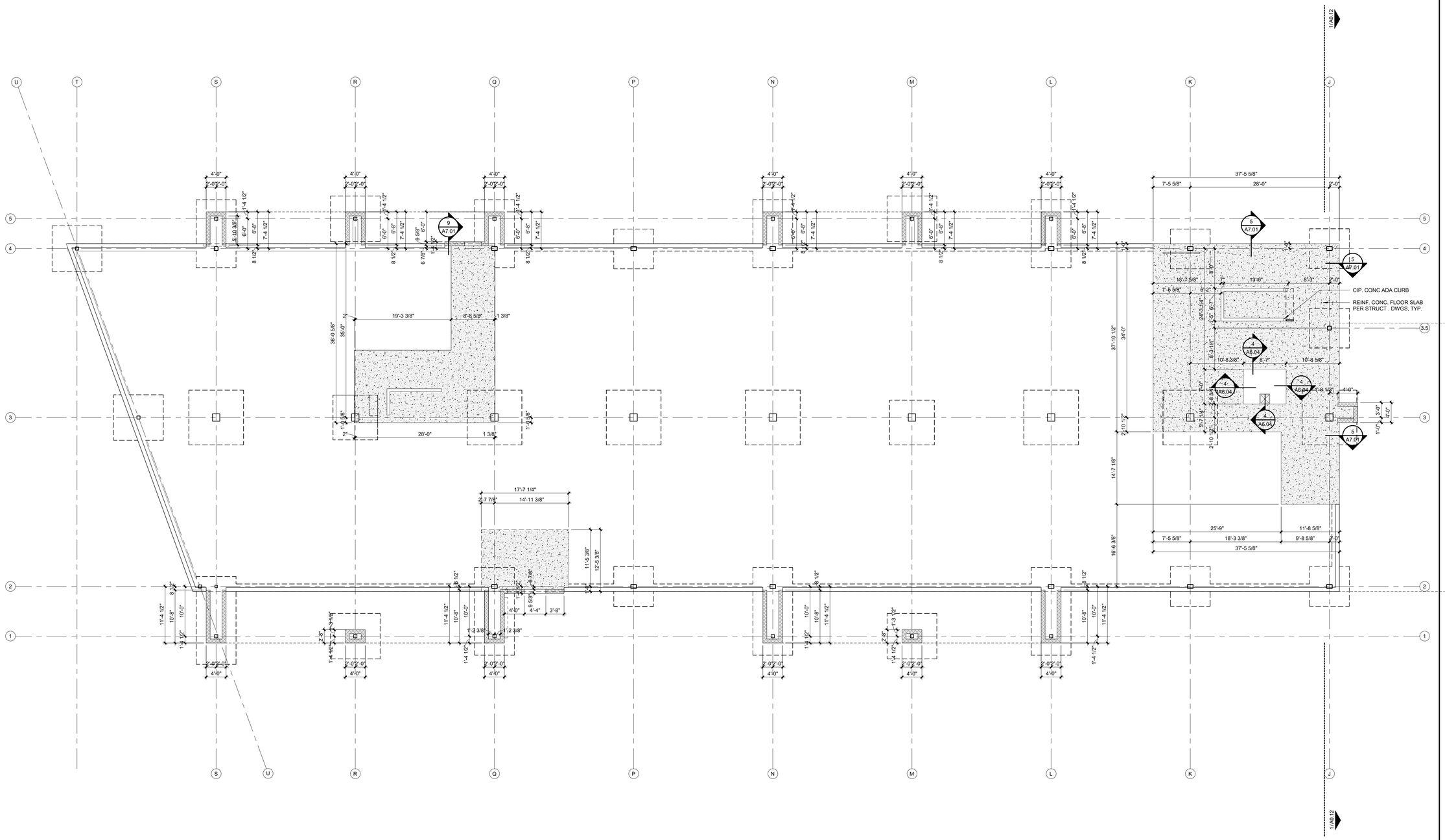
SHEET TITLE

CODE PLANS

SHEET NUMBER

A0.05




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

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

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paragon star

# PARAGON STAR
# BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

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|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

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ARCHITECTURE

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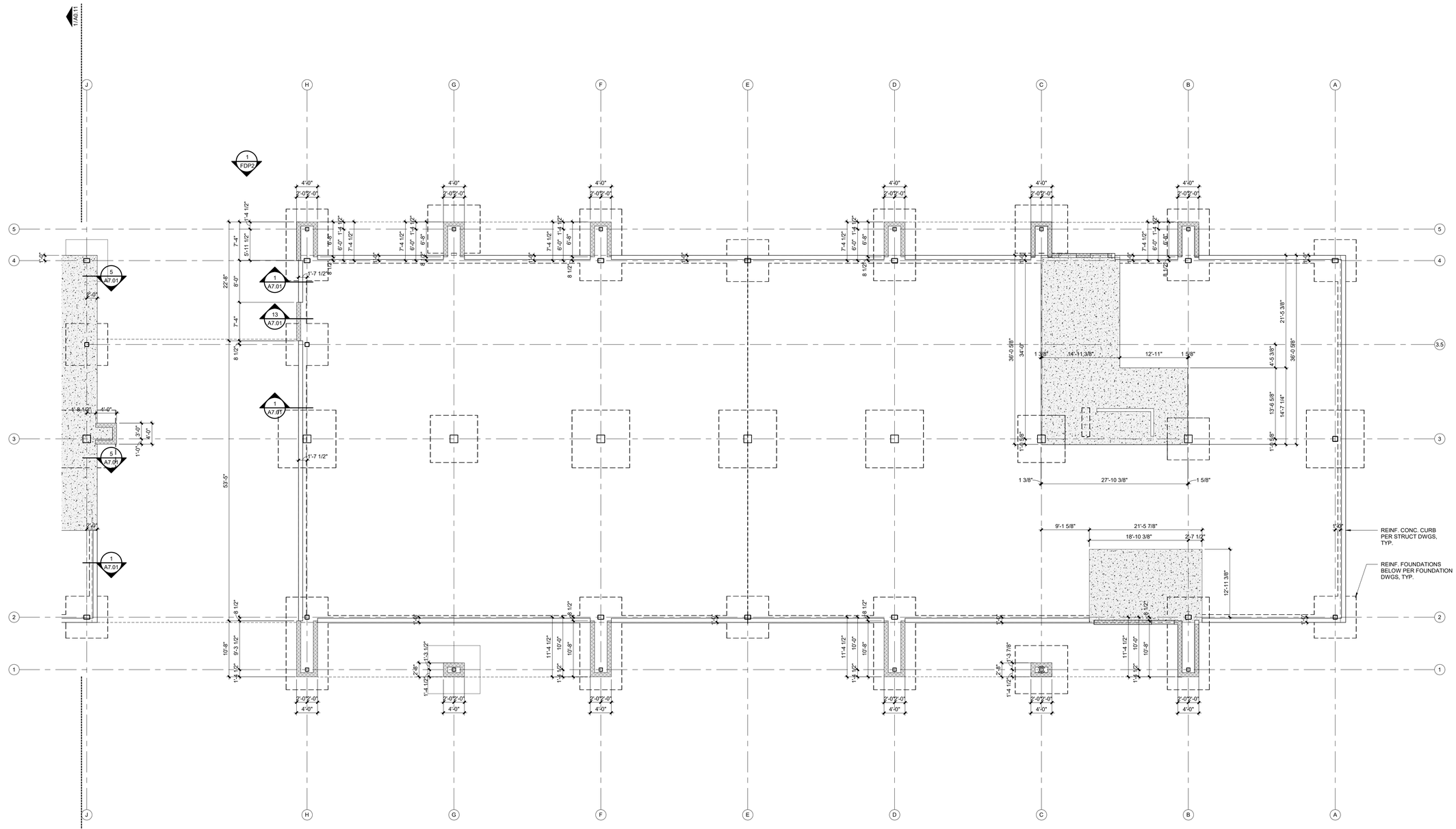
SHEET TITLE

SLAB EDGE PLAN - 1ST FLOOR WEST

SHEET NUMBER

A0.11




1 EDGE OF SLAB PLAN - 1ST FLOOR WEST

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

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

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# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
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REGISTRATION

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

05.06.22

PROJECT TEAM

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

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ARCHITECTURE

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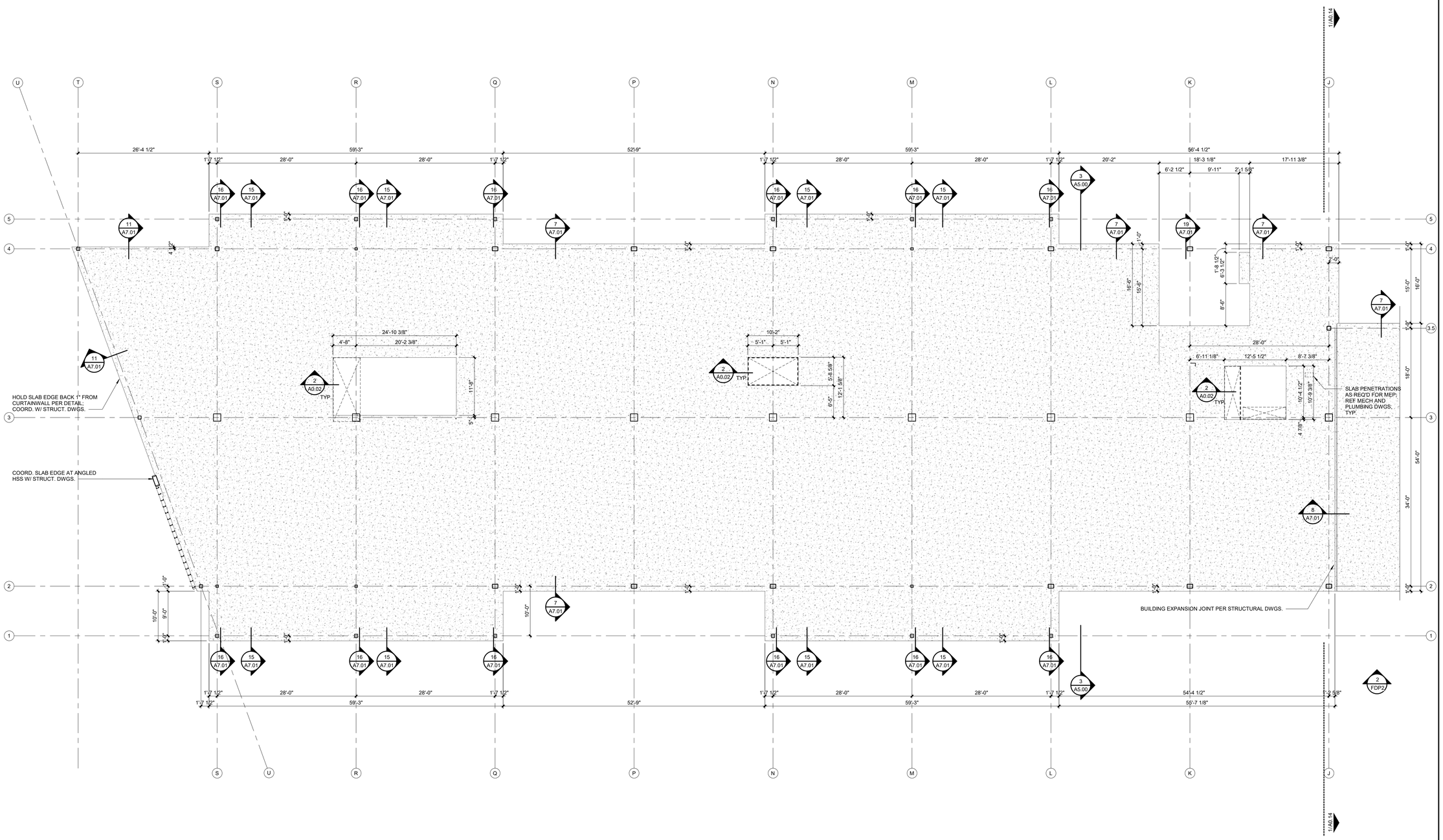
SHEET TITLE

SLAB EDGE PLAN - 1ST FLOOR EAST

SHEET NUMBER

A0.12




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

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# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

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ARCHITECTURE

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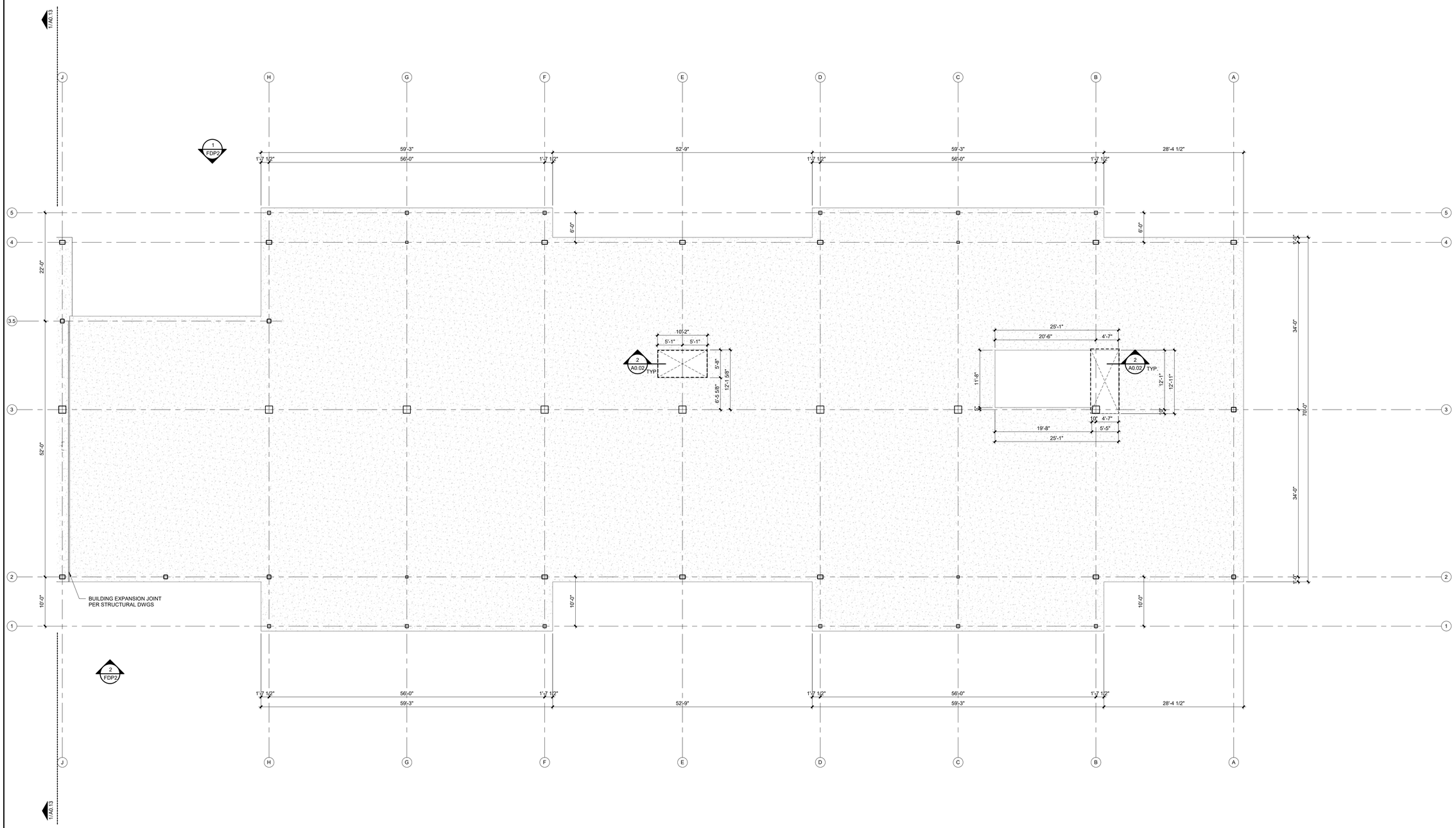
SHEET TITLE

SLAB EDGE PLAN - 2ND FLOOR WEST

SHEET NUMBER

A0.13




1 SLAB EDGE - 2ND FLOOR EAST

A0.14 SCALE : 1/8" = 1'-0"

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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

FINKLE + WILLIAMS
ARCHITECTURE

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LENEXA, KANSAS 66219
913 .498.1550
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SHEET TITLE

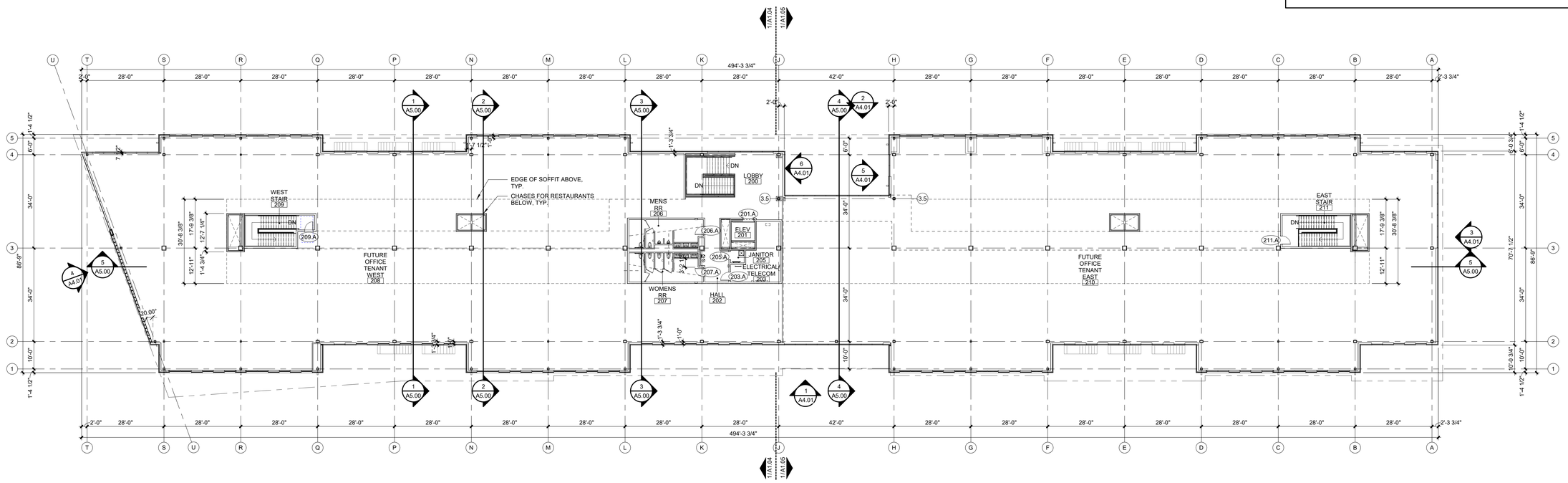
SLAB EDGE PLAN - 2ND FLOOR EAST

SHEET NUMBER

A0.14

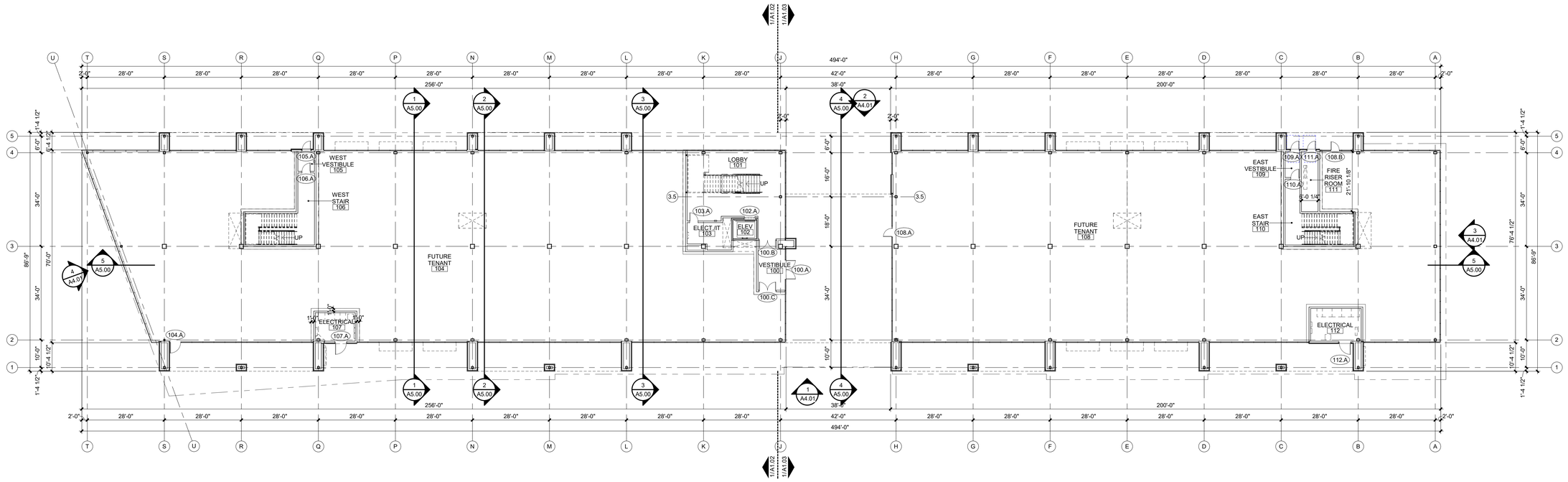
## CONSTRUCTION GENERAL NOTES

1. PROVIDE TERMITE CONTROL UNDER NEW FLOOR SLABS.
2. ALL STRUCTURAL STEEL TO BE FACTORY PRIMED GRAY.
3. ALL CMU CORNERS ARE TO BE CONSTRUCTED OF BULLNOSE BLOCK.
4. ALL SWITCHES, RECEPTACLES, PHONE/DATA, AND CONTROLS ARE TO BE GRAY COLOR WITH STAINLESS STEEL COVER PLATES.




## 2 OVERALL SECOND FLOOR PLAN

A1.01 SCALE : 1/16" = 1'-0"




## 1 OVERALL FIRST FLOOR PLAN

A1.01 SCALE : 1/16" = 1'-0"

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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


FINKLE + WILLIAMS ARCHITECTURE

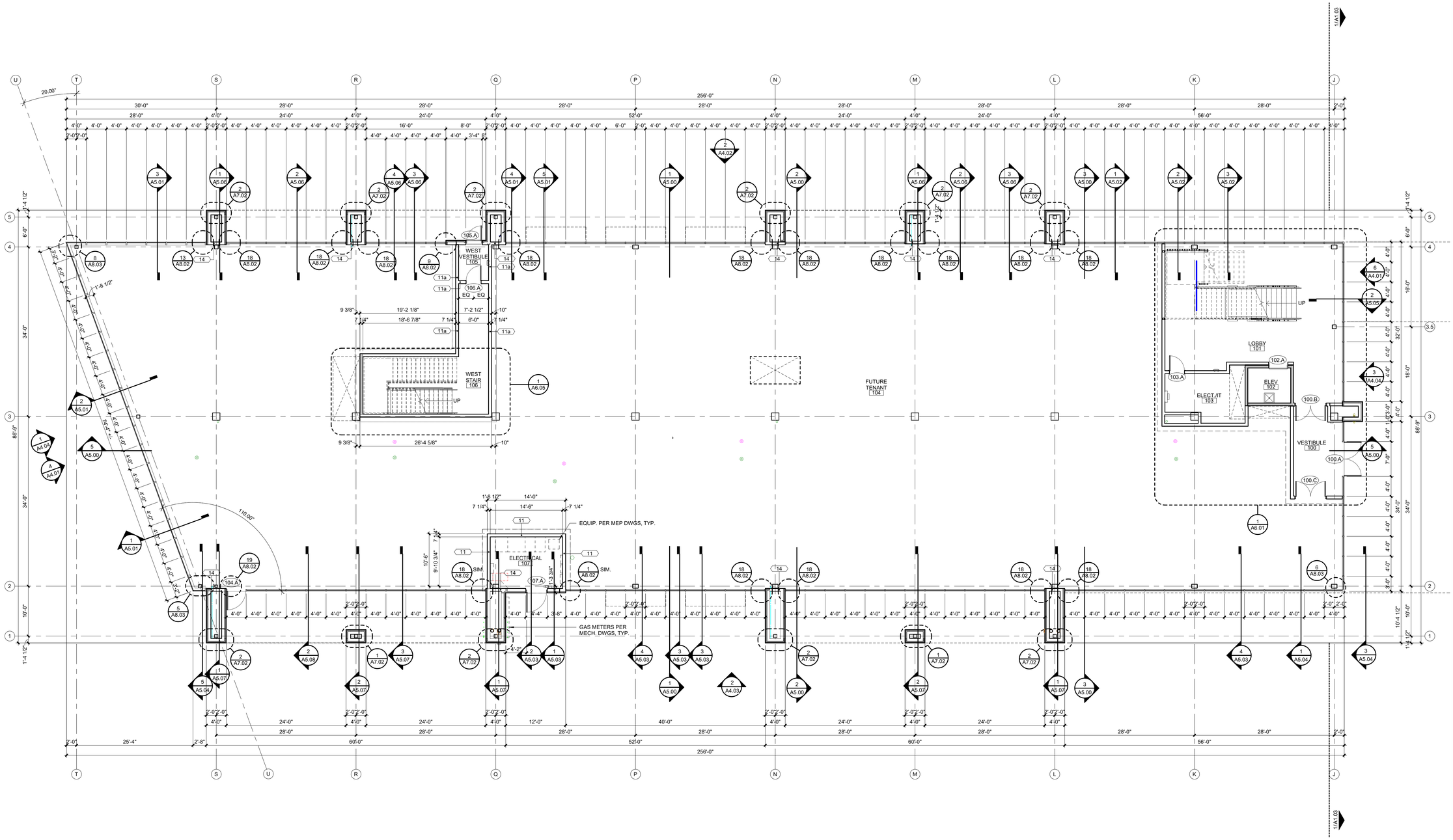
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com


SHEET TITLE

OVERALL FLOOR PLANS

SHEET NUMBER

A1.01




1 | 1ST FLOOR PLAN - WEST

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

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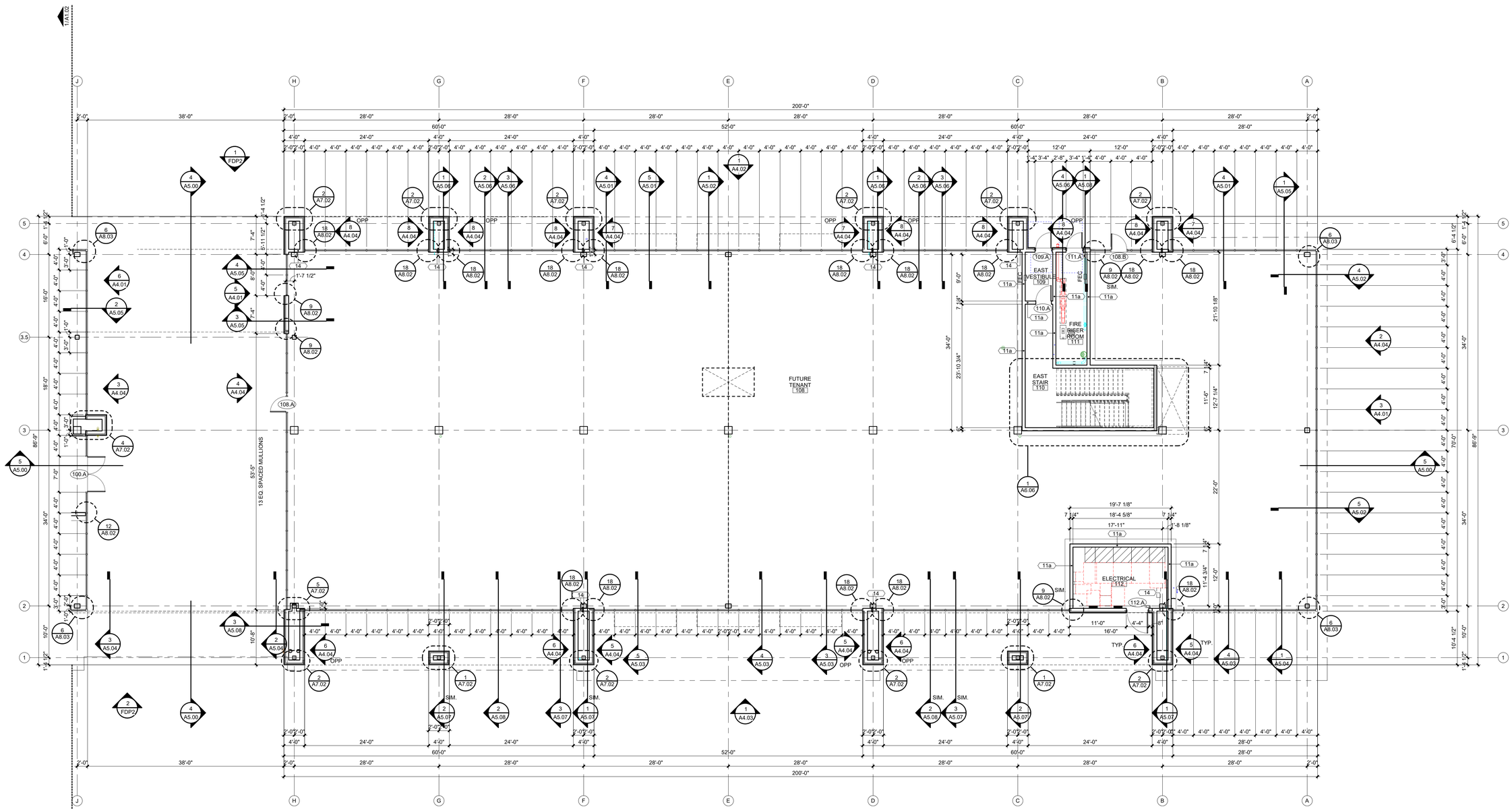
SHEET TITLE

FIRST FLOOR PLAN -WEST

SHEET NUMBER

A1.02




C:\Users\Jessica\Documents\Paragon Star - Bldg2Lot9_R21-Central_jmedshultz@finklewilliams.com.rvt

| 1 | 1ST FLOOR PLAN - EAST |
|---|---|
| A1.03 | SCALE : 1/8" = 1'-0" |

paragon star

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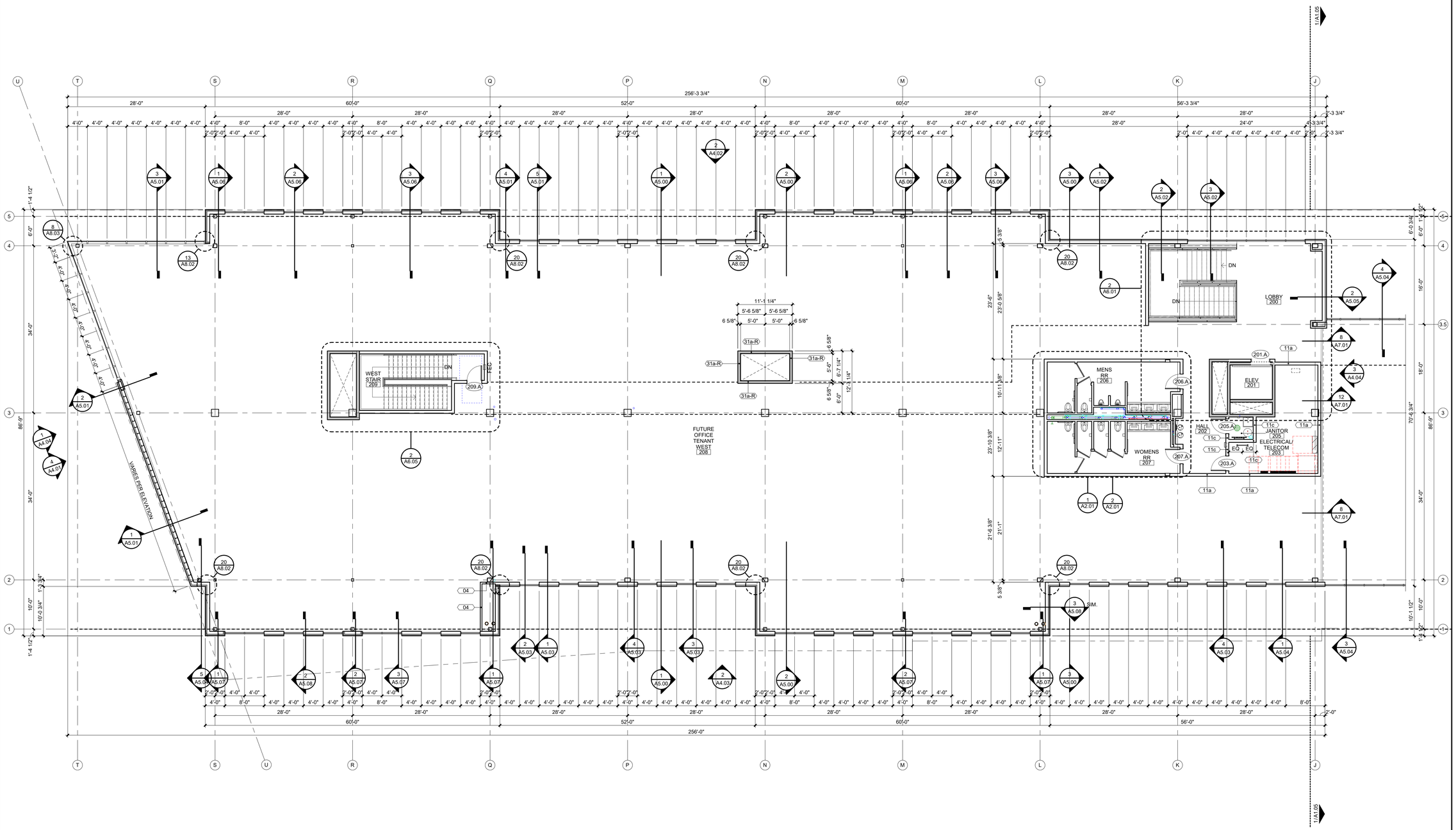
SHEET TITLE

FIRST FLOOR PLAN - EAST

SHEET NUMBER

A1.03




1 2ND FLOOR PLAN - WEST

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

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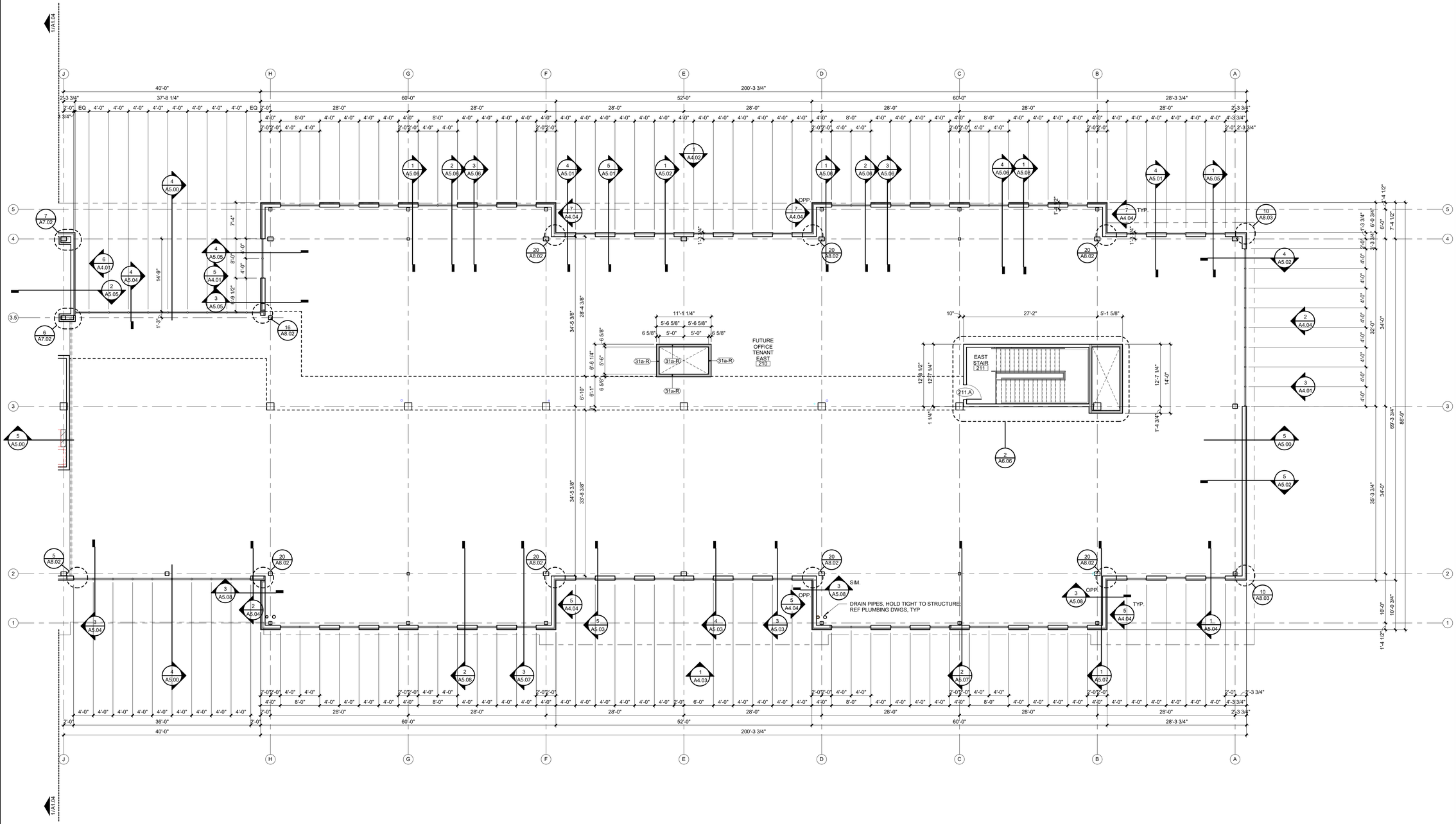
SHEET TITLE

SECOND FLOOR PLAN - WEST

SHEET NUMBER

A1.04




1 | 2ND FLOOR PLAN - EAST

A1.05 | SCALE : 1/8" = 1'-0"

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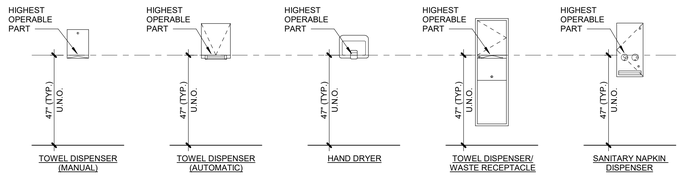
SHEET TITLE

SECOND FLOOR PLAN - EAST

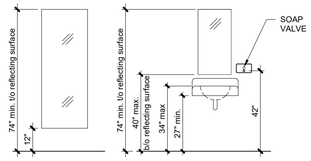
SHEET NUMBER

A1.05

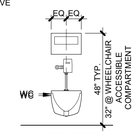
## TOILET ACCESSORY MOUNTING HEIGHTS



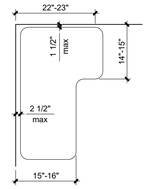

TOWEL DISPENSER (MANUAL) | TOWEL DISPENSER (AUTOMATIC) | HAND DRYER | TOWEL DISPENSER/ WASTE RECEPTACLE | SANITARY NAPKIN DISPENSER



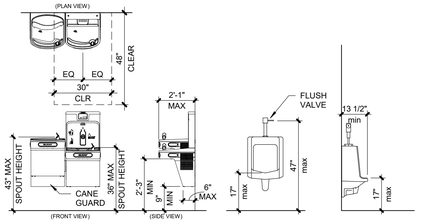

FULL LENGTH MIRROR | LAVATORY/MIRROR/ SOAP DISPENSER




SEAT COVER DISPENSER




ACCESSIBLE SHOWER SEAT




HIGH-LOW ELECTRIC WATER COOLER W/ BOTTLE FILL



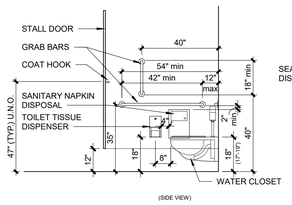

ACCESSIBLE URINAL FRONT



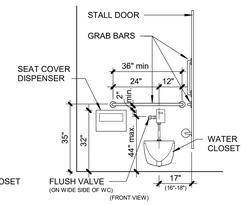

ACCESSIBLE URINAL SIDE

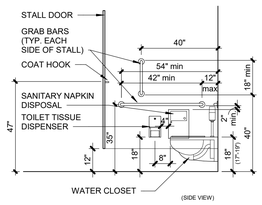
| Maximum Reach Depth | .05 inch | 2 inches | 5 inches | 6 inches | 9 inches | 11 inches |
|---|---|---|---|---|---|---|
| Maximum Reach Height | 48 inches | 46 inches | 42 inches | 40 inches | 36 inches | 34 inches |

TABLE 603.6 - ANSI-117.1-2009

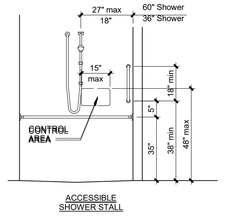



WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

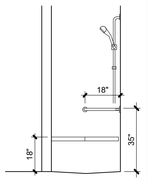



AMBULATORY ACCESSIBLE TOILET COMPARTMENT




ACCESSIBLE SHOWER STALL

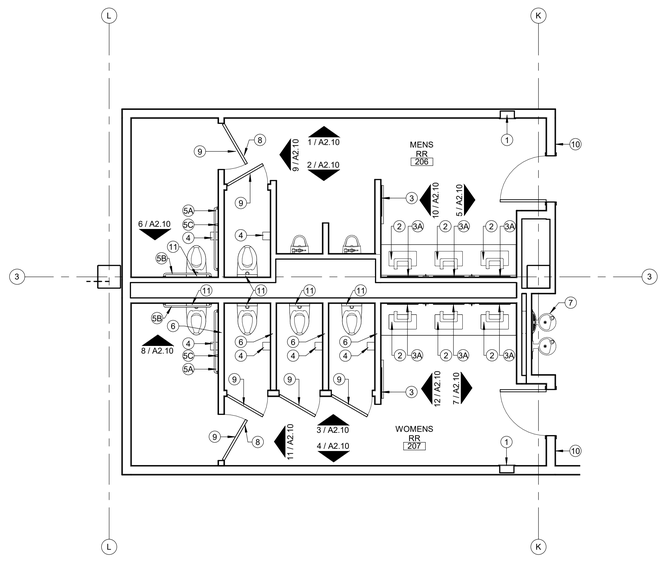



ACCESSIBLE SHOWER SEAT

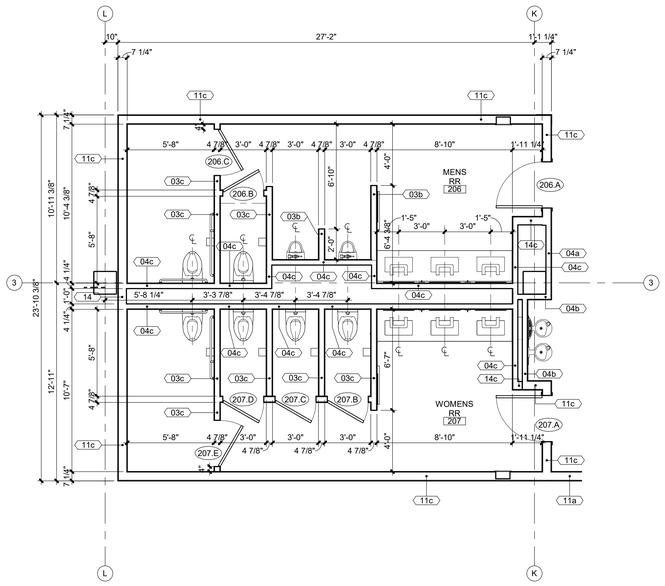
## TOILET ACCESSORY / EQUIPMENT LEGEND

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

1. COMBINATION PAPER TOWEL DISPENSER/WASTE RECEPTACLE, RECESSED, MATTE BLACK FINISH (BOBRICK B-3803.MBLK)
2. UNDERMOUNT SINK KIT WITH WASHBAR (BRADLEY WB1-1B-ER1)
3. FRAMED MIRROR (24"W X 82"H). FRAME TO BE 2" WIDE, COLOR BLACK
3A. FRAMELESS MIRROR WITH POLISHED EDGES (24"W X 58"H)
4. MULTI-ROLL TOILET TISSUE DISPENSER W/NO KEYED LOCK (BOBRICK B-2888)
5. GRAB BARS AS SHOWN ON PLANS AND ELEVATIONS (BOBRICK B-6806 SERIES)
5A. GRAB BAR (BOBRICK B6806 X 42)
LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
5B. GRAB BAR (BOBRICK B6806 X 36)
LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
5B. GRAB BAR (BOBRICK B6806 X 18)
LOCATE AS SHOWN IN ACCESSORY MOUNTING HEIGHTS
6. SANITARY NAPKIN DISPOSAL, RECESSED (BOBRICK B-353)
7. HI / LO ADA ACCESSIBLE DRINKING FOUNTAIN W/ BOTTLE FILL AND FILTER (ELKAY LZWS-LRPBM28K)
8. RUBBER TIPPED DOOR BUMBER (BOBRICK B-687)
9. COAT AND HAT HOOK (BOBRICK B-6827)
10. A.D.A. RESTROOM SIGNAGE, SEE SHEET A0.01
11. TOILET SEAT COVER DISPENSER (BOBRICK B-221)
12. BRADLEY - WASHBAR WITH UNDERMOUNT SINK ACCESS PANEL (PWB - SWING DOWN MATTE BLACK POWDER COATED STAINLESS STEEL). REF. MEP DRAWINGS FOR WASHBAR AND SINK SPECIFICATIONS




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




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

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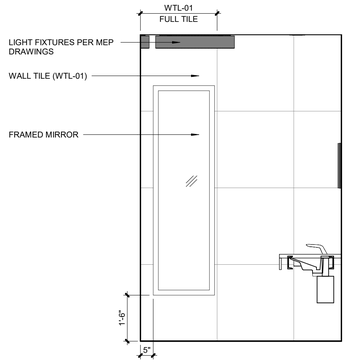
SHEET TITLE

ENLARGED TOILET PLANS AND DETAILS

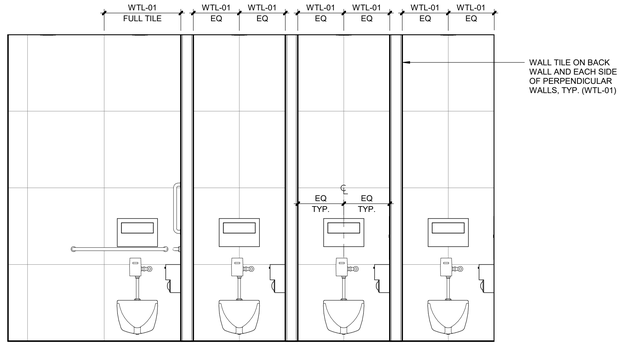
SHEET NUMBER

A2.01



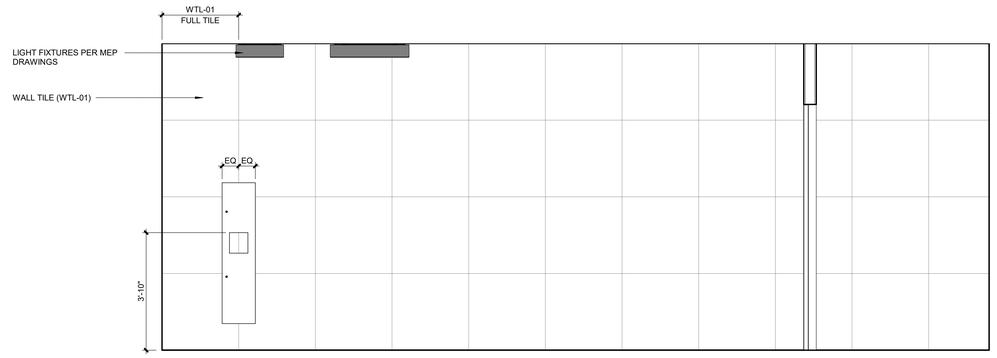

## 12 WOMEN'S RESTROOM WEST

A2.10 SCALE : 1/2" = 1'-0"



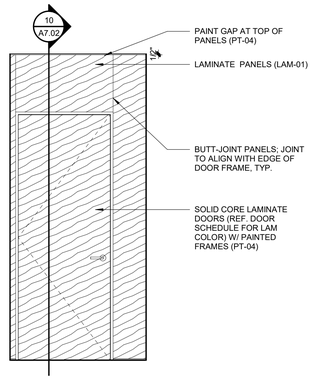

## 8 WOMEN'S RESTROOM NORTH

A2.10 SCALE : 1/2" = 1'-0"



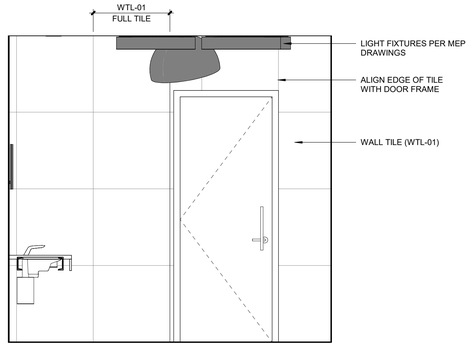

## 4 WOMEN'S RESTROOM SOUTH

A2.10 SCALE : 1/2" = 1'-0"



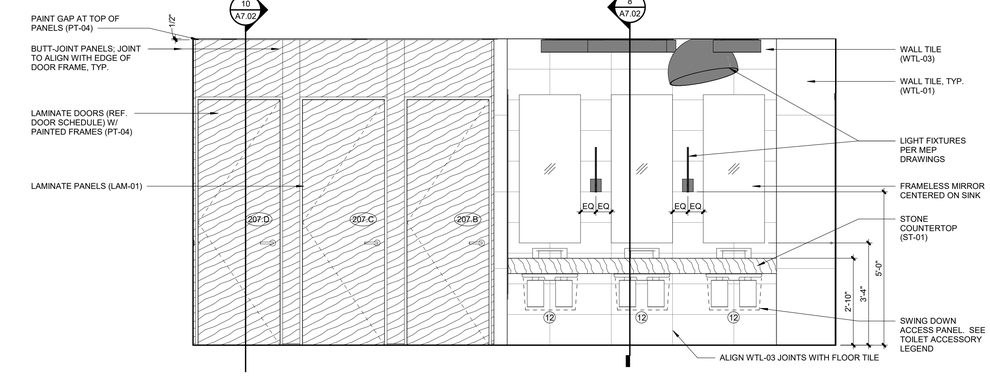

## 11 WOMEN'S RESTROOM WEST

A2.10 SCALE : 1/2" = 1'-0"



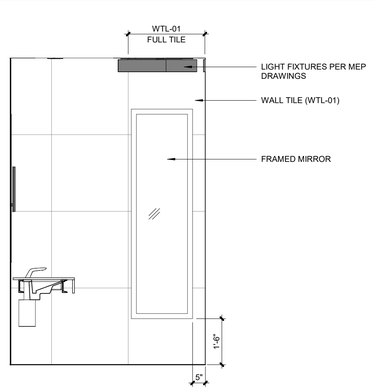

## 7 WOMEN'S RESTROOM EAST

A2.10 SCALE : 1/2" = 1'-0"



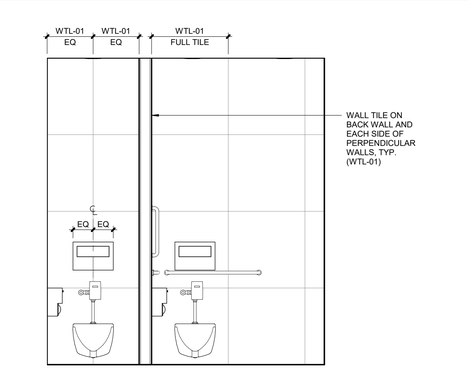

## 3 WOMEN'S RESTROOM NORTH

A2.10 SCALE : 1/2" = 1'-0"



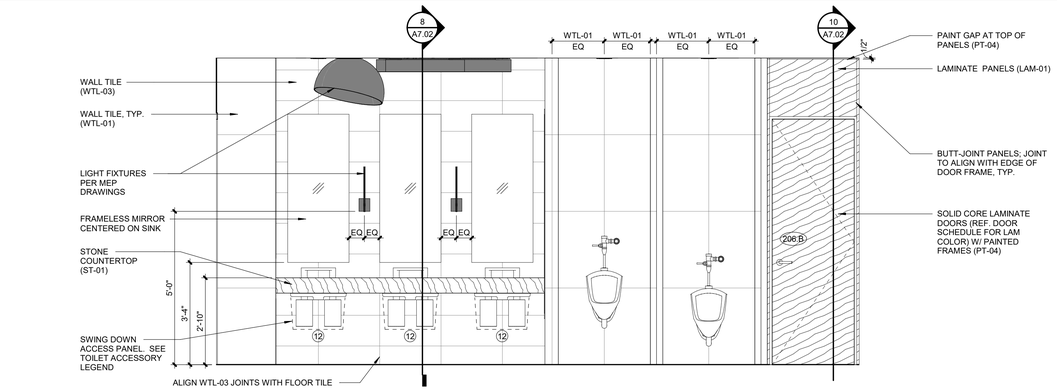

## 10 MEN'S RESTROOM WEST

A2.10 SCALE : 1/2" = 1'-0"



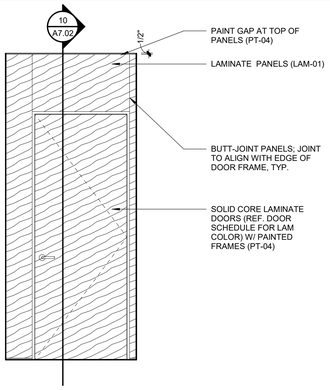

## 6 MEN'S RESTROOM SOUTH

A2.10 SCALE : 1/2" = 1'-0"



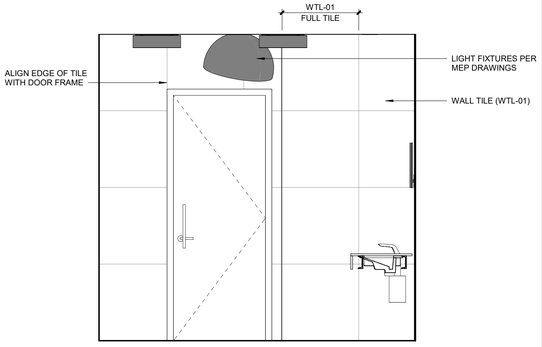

## 2 MEN'S RESTROOM SOUTH

A2.10 SCALE : 1/2" = 1'-0"



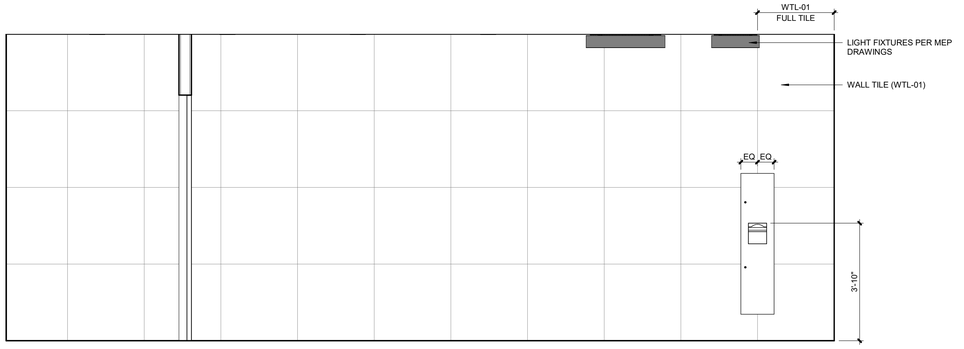

## 9 MEN'S RESTROOM WEST

A2.10 SCALE : 1/2" = 1'-0"




## 5 MEN'S RESTROOM EAST

A2.10 SCALE : 1/2" = 1'-0"




## 1 MEN'S RESTROOM NORTH

A2.10 SCALE : 1/2" = 1'-0"



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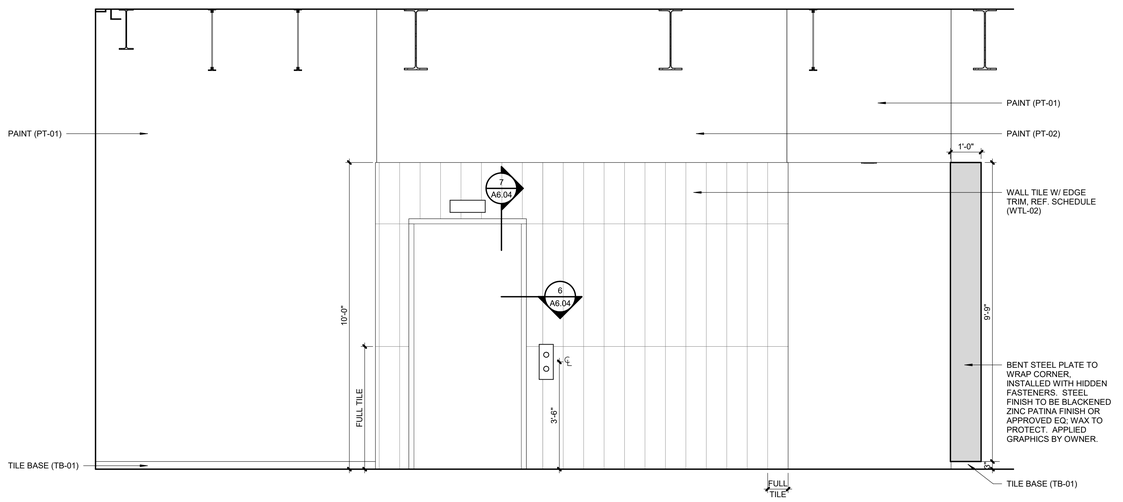
SHEET TITLE

INTERIOR ELEVATIONS

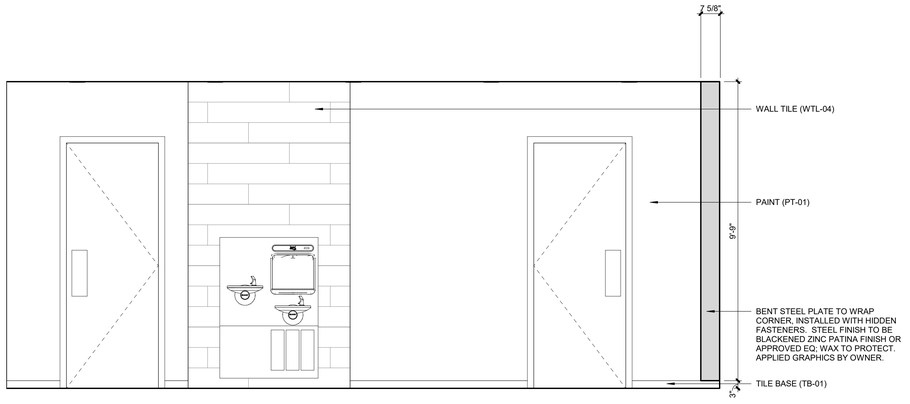
SHEET NUMBER

A2.10



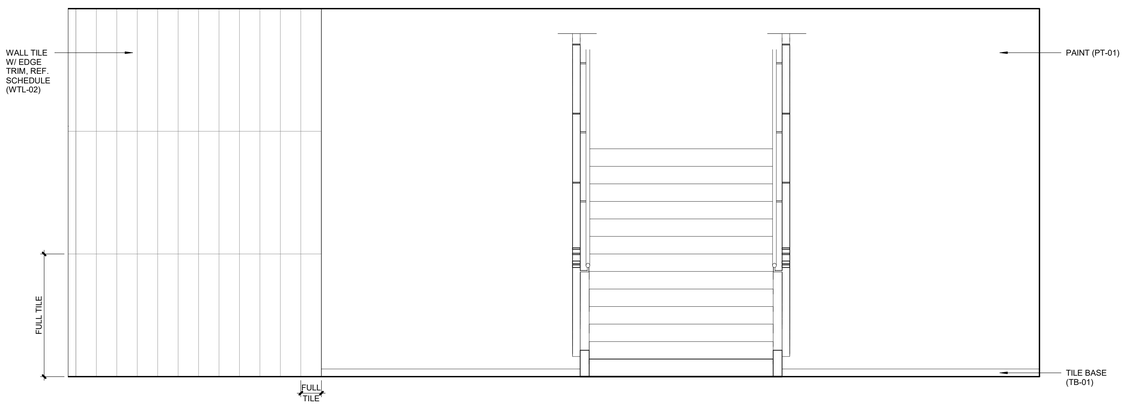

3 LOBBY 200 SOUTH

A2.11 SCALE : 1/2" = 1'-0"



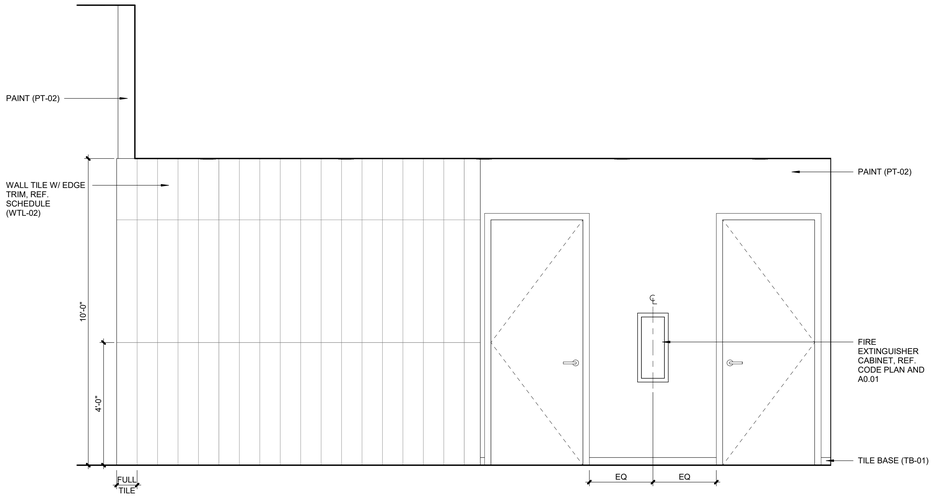

5 HALL 202 WEST

A2.11 SCALE : 1/2" = 1'-0"



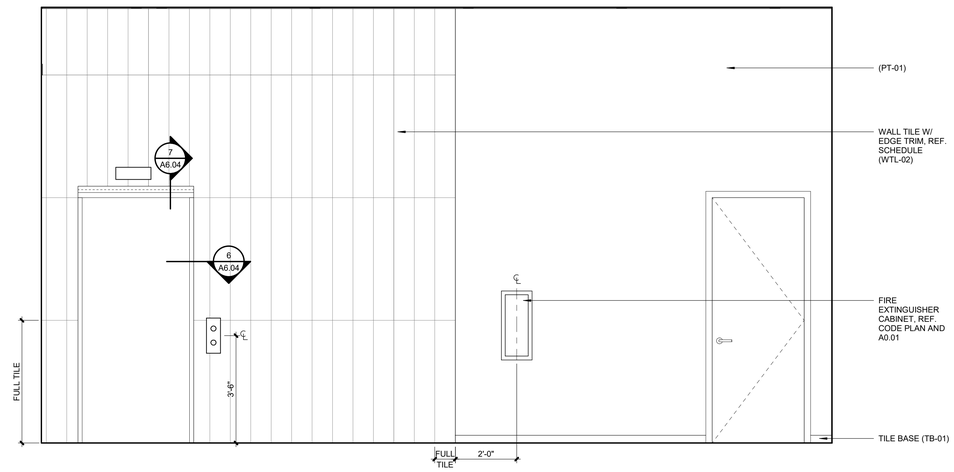

2 LOBBY 101 WEST

A2.11 SCALE : 1/2" = 1'-0"




4 HALL 202 EAST

A2.11 SCALE : 1/2" = 1'-0"




1 LOBBY 101 SOUTH

A2.11 SCALE : 1/2" = 1'-0"

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

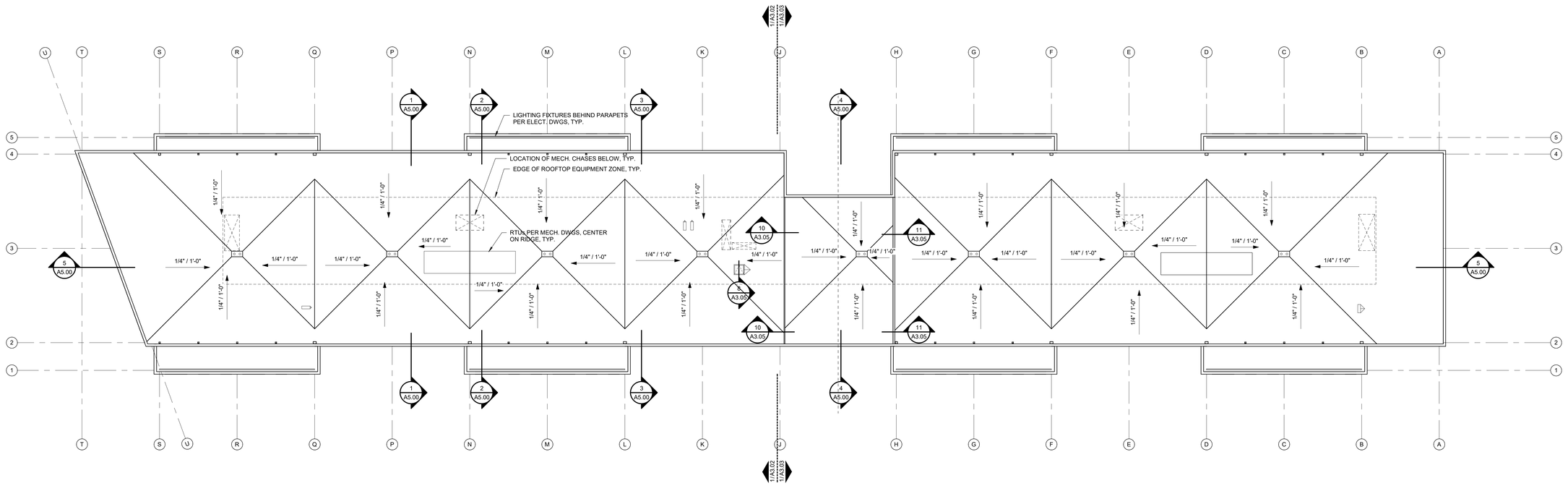
FINKLE + WILLIAMS
ARCHITECTURE
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

INTERIOR ELEVATIONS

SHEET NUMBER

A2.11




## 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.

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

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paragon star

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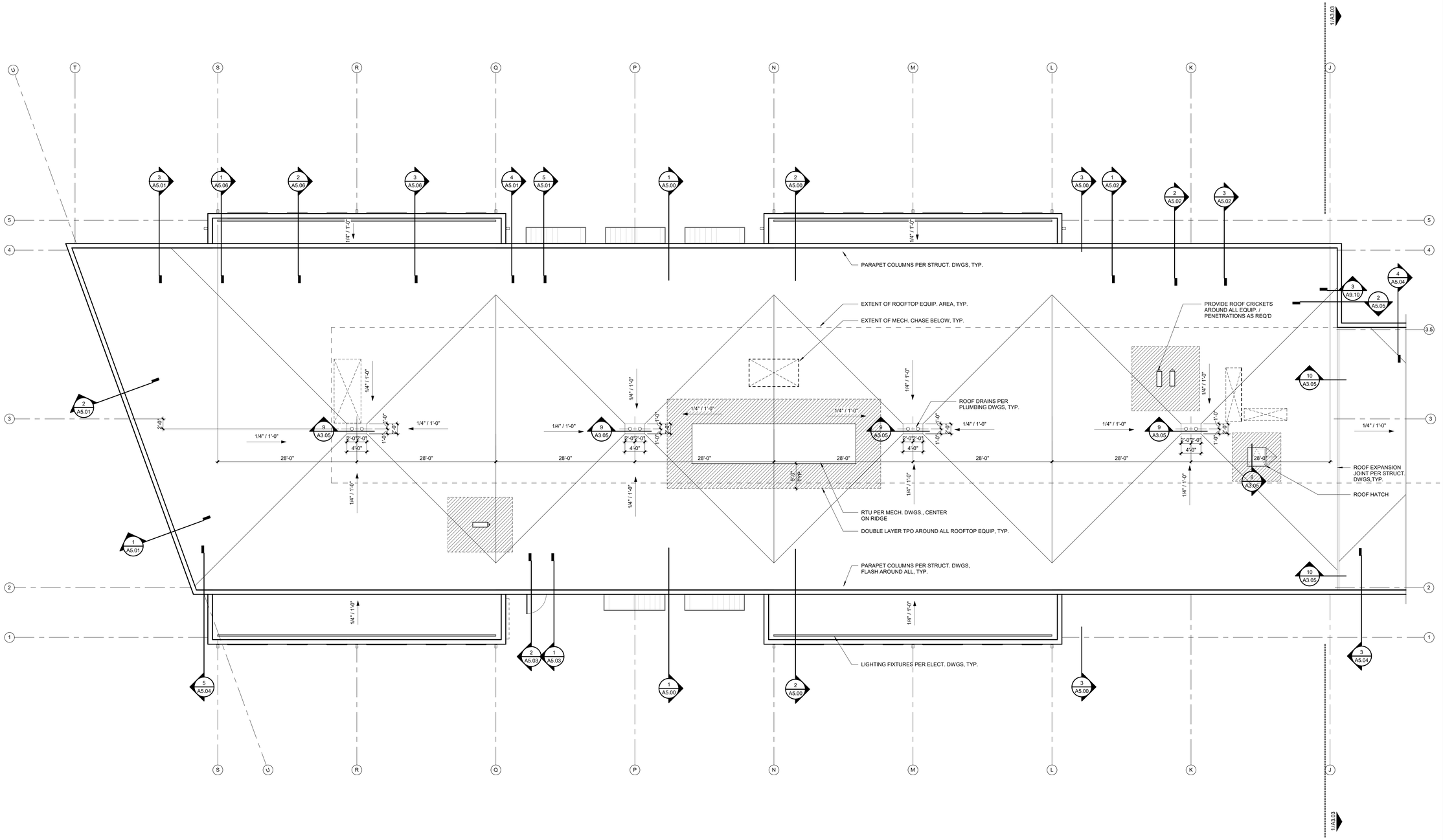
SHEET TITLE

OVERALL ROOF PLAN

SHEET NUMBER

A3.01




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

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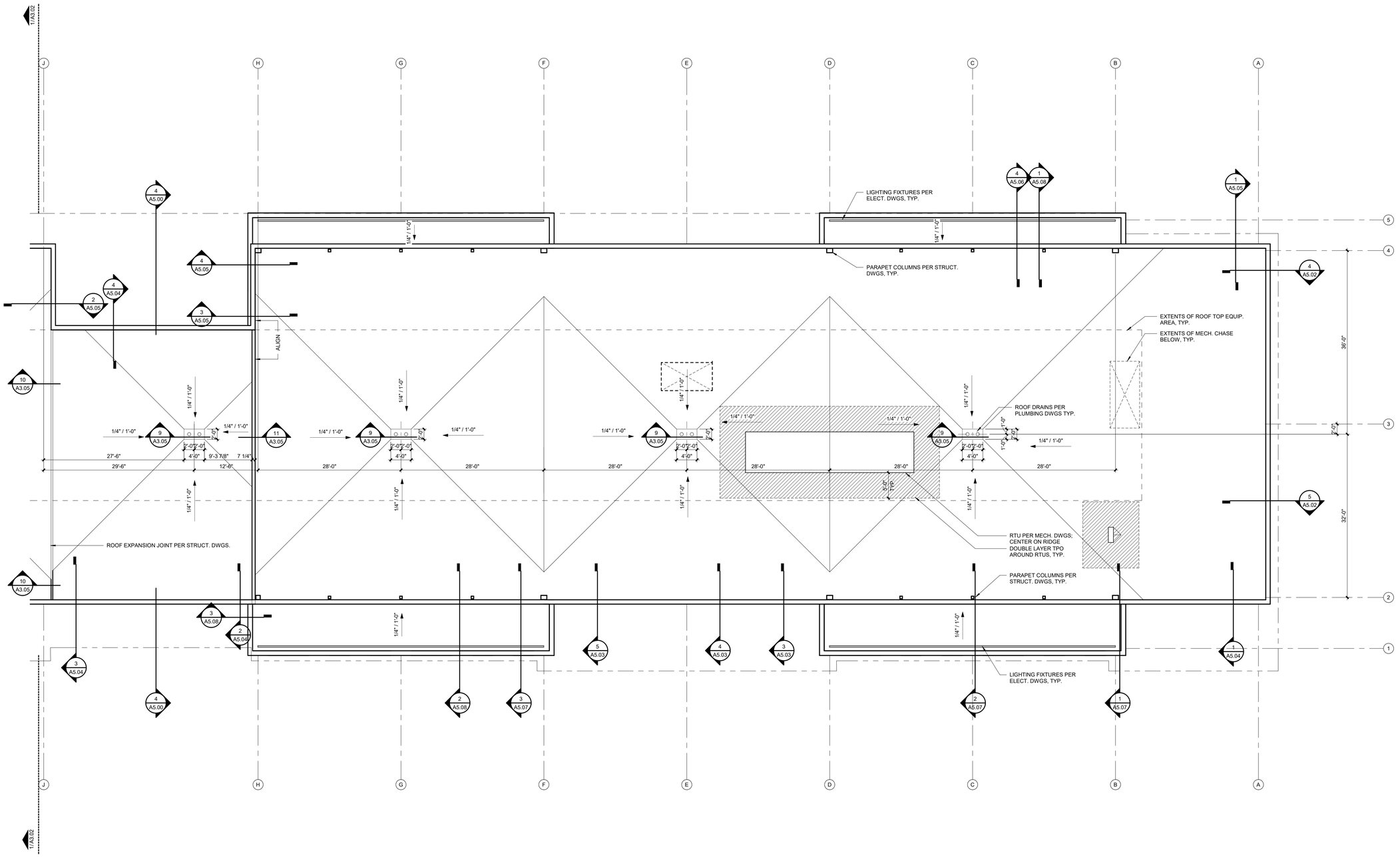
SHEET TITLE

ROOF PLAN - WEST

SHEET NUMBER

A3.02




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

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LENEXA, KANSAS 66219
913 .498.1550
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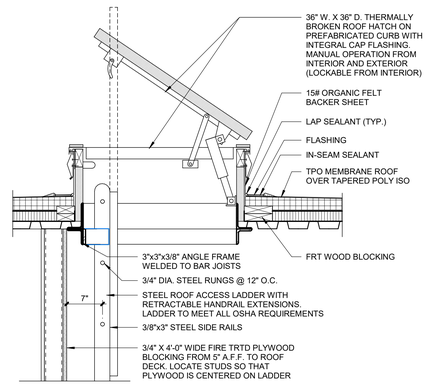
SHEET TITLE

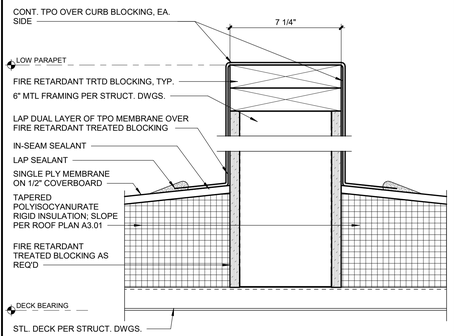
ROOF PLAN - EAST

SHEET NUMBER

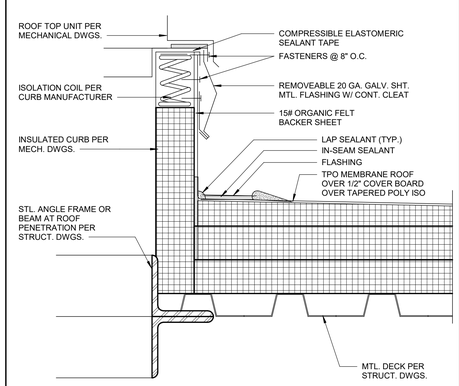
A3.03



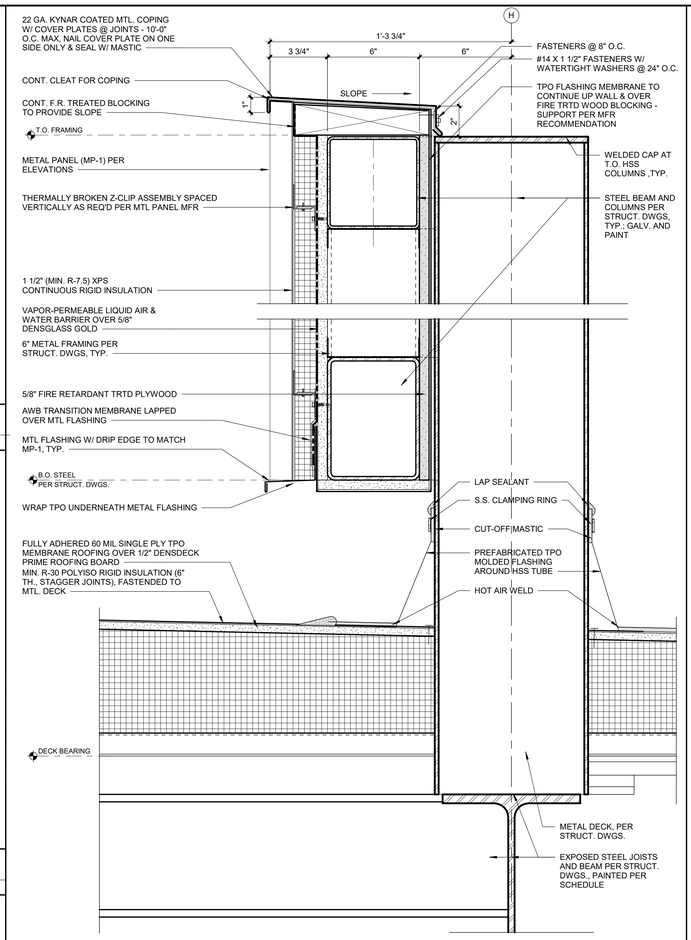

## 8 ROOF DETAIL AT HATCH
A3.05 SCALE : 1" = 1'-0"



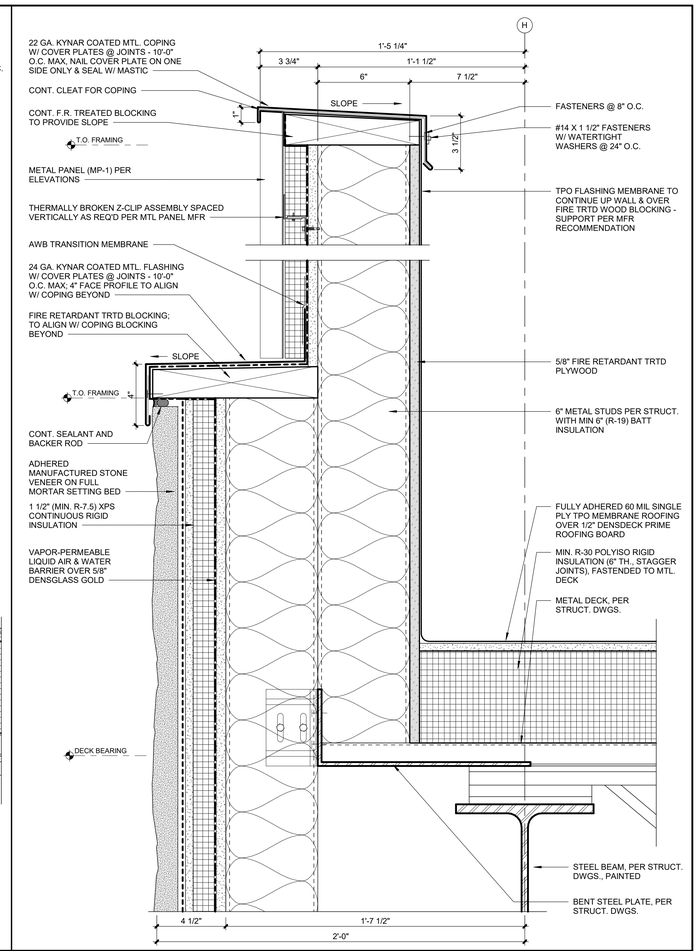

## 11 ROOF DETAIL
A3.05 SCALE : 3" = 1'-0"



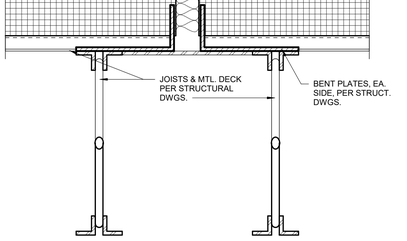

## 7 MECHANICAL CURB DETAIL
A3.05 SCALE : 3" = 1'-0"



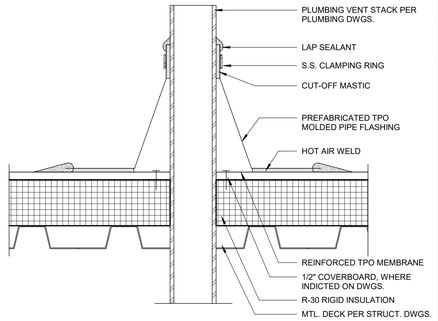

## 4 ROOF DETAIL
REF FLASHING PROFILES SHEET A8.01
A3.05 SCALE : 3" = 1'-0"



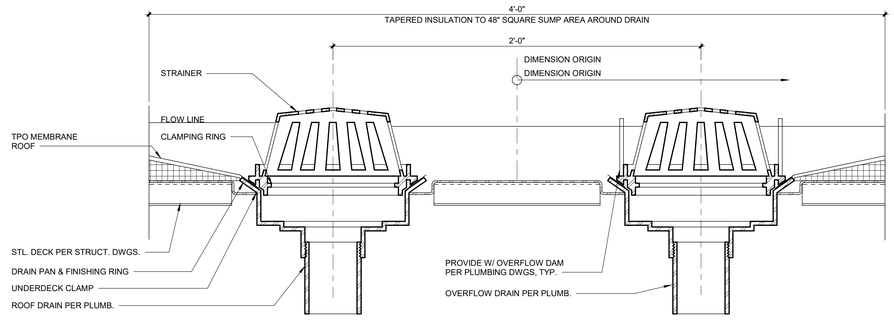

## 2 ROOF DETAIL
REF FLASHING PROFILES SHEET A8.01
A3.05 SCALE : 3" = 1'-0"



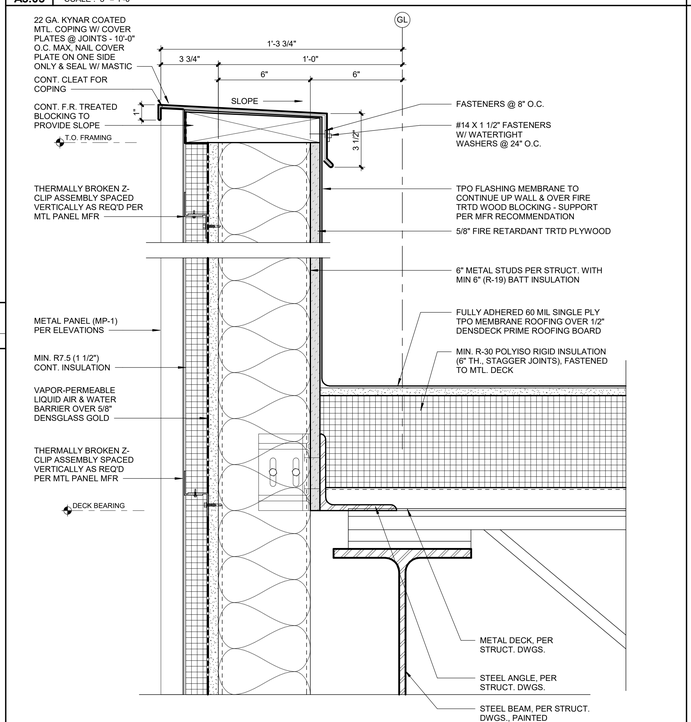

## 10 ROOF EXPANSION JT. DETAIL
A3.05 SCALE : 3" = 1'-0"



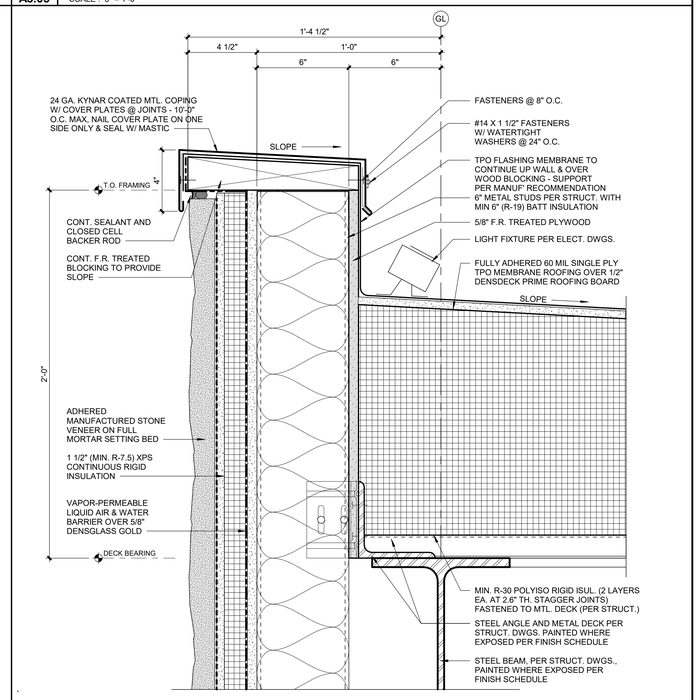

## 6 VENT STACK DETAIL
A3.05 SCALE : 3" = 1'-0"




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




## 3 ROOF DETAIL
REF FLASHING PROFILES SHEET A8.01
A3.05 SCALE : 3" = 1'-0"




## 1 ROOF DETAIL
REF FLASHING PROFILES SHEET A8.01
A3.05 SCALE : 3" = 1'-0"

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
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|---|---|---|

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT
05.06.22

PROJECT TEAM

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

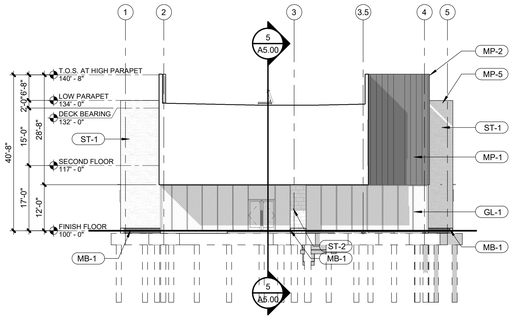
FINKLE + WILLIAMS
ARCHITECTURE
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

ROOF DETAILS

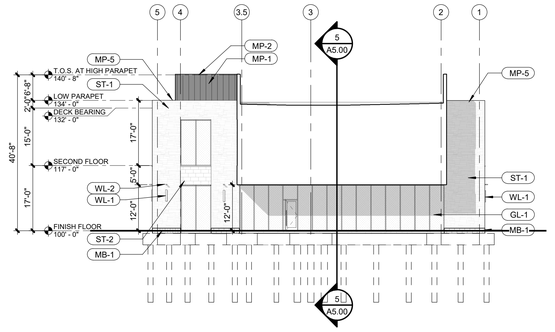
SHEET NUMBER

A3.05




## 6 CENTER WEST ELEVATION

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

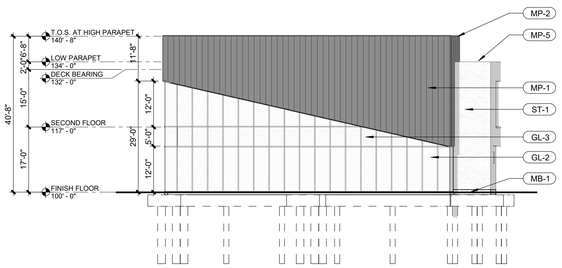



## 5 CENTER EAST ELEVATION

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

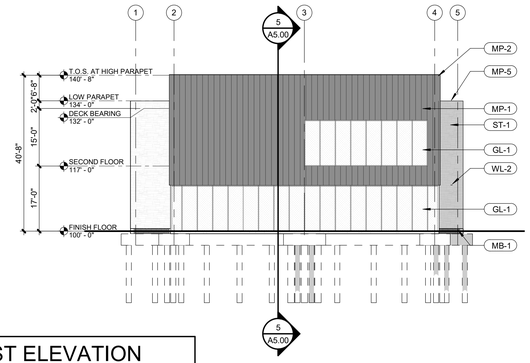
## EXTERIOR MATERIAL LEGEND

| | |
|---|---|
| MP-1 | WESTERN STATES 'WESTERN SNAP LOCK' STANDING SEAM MTL PANEL, 18" PANEL WIDTH, COLOR: MATTE MIDNIGHT BLACK |
| MP-2 | KYNAR COATED 22 GA BREAK METAL COPING TO MATCH MP-1; BASIS OF DESIGN: WESTERN STATES 'MATTE MIDNIGHT BLACK' OR APPROVED EQ. |
| MP-3 | WESTERN STATES 'T-GROOVE FLUSH' MTL PANEL, 12" MATTE MIDNIGHT BLACK |
| MP-4 | KYNAR COATED 22 GA BREAK METAL COPING TO MATCH MP-3; BASIS OF DESIGN: WESTERN STATES 'MATTE MIDNIGHT BLACK' OR APPROVED EQ. |
| MP-5 | KYNAR COATED 24 GA BREAK METAL COPING TO MATCH ST-1; BASIS OF DESIGN: WESTERN STATES COOL TECH 'POLAR WHITE' OR APPROVED EQ. |
| GL-1 | 2" X 4 1/2" WINDOW WALL, BLACK ANODIZED ALUMINUM FINISH W/ 1" INSULATED LOW-E GLAZING UNIT |
| GL-2 | 2 1/4" X 7 1/2" CURTAINWALL SYSTEM, BLACK ANODIZED ALUM FINISH W/ 1" INSULATED LOW-E GLAZING UNIT* |
| GL-3 | IGU AT SECOND LEVEL STRUCTURE 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 | DELTA MILLWORKS ACCOYA 6" T&G WOOD SOFFIT, UNFINISHED; CONTRACTOR TO STAIN IN-FIELD TO MATCH ARCHITECT'S SAMPLE |
| ST-1 | BORAL CULTURED STONE; HEWN STONE, COLOR: ARCTIC; PATTERN: HSP35809** |
| ST-2 | ELDORADO CULTURED STONE MARQUEE24, COLOR: DOVETAIL** |
| ST-3 | ELDORADO SPLIT EDGE 'WHITE CLOUD' SILL PIECE AT ALL WINDOW WALL OPENINGS IN ST-1 OR ST-2 WALLS<br>**PROVIDE CONTROL JOINT AT SECOND LEVEL ON ALL ST-1 AND ST-2 LOCATIONS PER ELEVATIONS AND MFR RECOMMENDATIONS; STONE TO BE NO GROUT, DRY-STACK AESTHETIC. |
| MB-1 | GROUND FACE 10Wx8Hx16L MASONRY BLOCK PER STRUCTURAL DWGS, BURNISHED FINISH, COLOR: MIDWEST SLATE |
| AWN-1 | PRE-MANUF. SURFACE MOUNTED STANDING SEAM METAL TO MATCH MP-1 ON PAINTED ALUMINUM BRACKETS |
| 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 ON WALL SPACE UNO |
| WL-1 | EXTERIOR DECORATIVE WALL LIGHT; AT 9'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |
| WL-2 | EXTERIOR WALL-MOUNTED UP-LIGHT; ALIGN W/ SOFFIT AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |
| WL-3 | PROVIDE J-BOX FOR FUTURE WALL LIGHT PER TENANT AT 9'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |



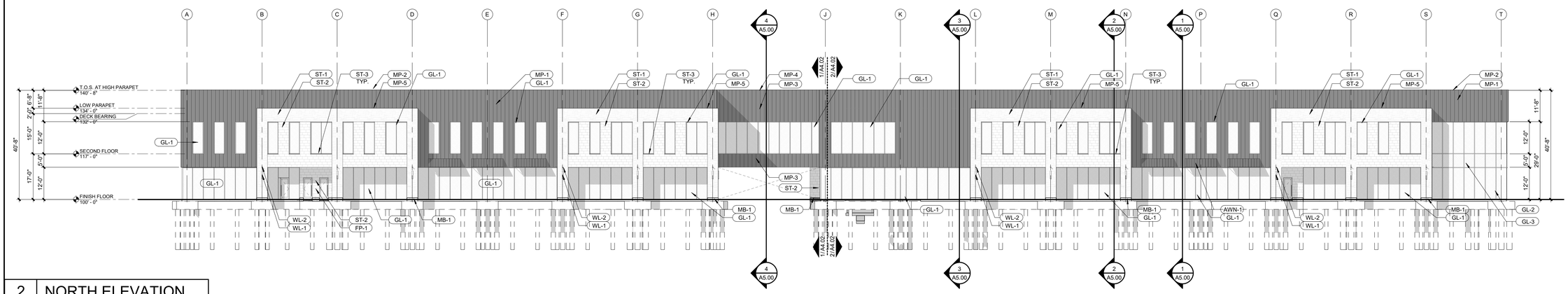

## 4 WEST ELEVATION

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



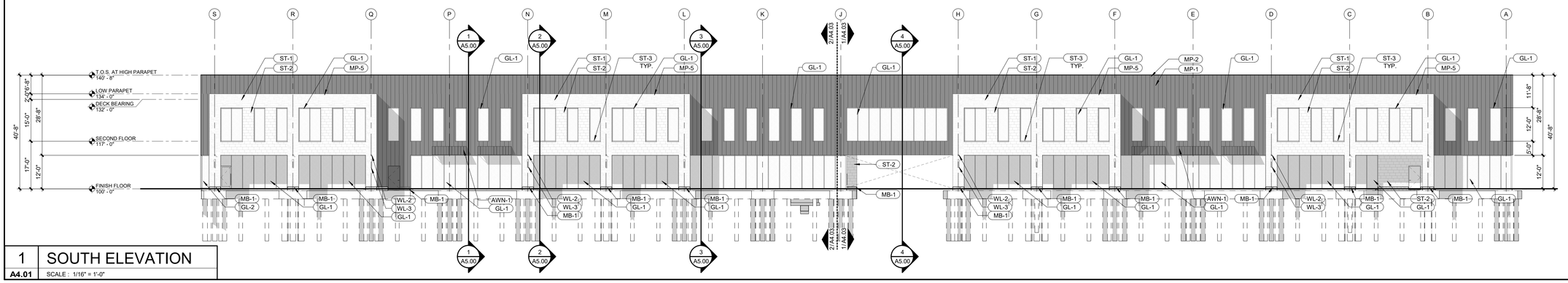

## 3 EAST ELEVATION

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




## 2 NORTH ELEVATION

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




## 1 SOUTH ELEVATION

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

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paragon star

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SHEET TITLE

EXTERIOR ELEVATIONS

SHEET NUMBER

A4.01

## EXTERIOR MATERIAL LEGEND

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| MP-2 | KYNAR COATED 22 GA BREAK METAL COPING TO MATCH MP-1; BASIS OF DESIGN: WESTERN STATES 'MATTE MIDNIGHT BLACK' OR APPROVED EQ. |
| MP-3 | WESTERN STATES 'T-GROOVE FLUSH' MTL PANEL, 12" MATTE MIDNIGHT BLACK |
| MP-4 | KYNAR COATED 22 GA BREAK METAL COPING TO MATCH MP-3; BASIS OF DESIGN: WESTERN STATES 'MATTE MIDNIGHT BLACK' OR APPROVED EQ. |
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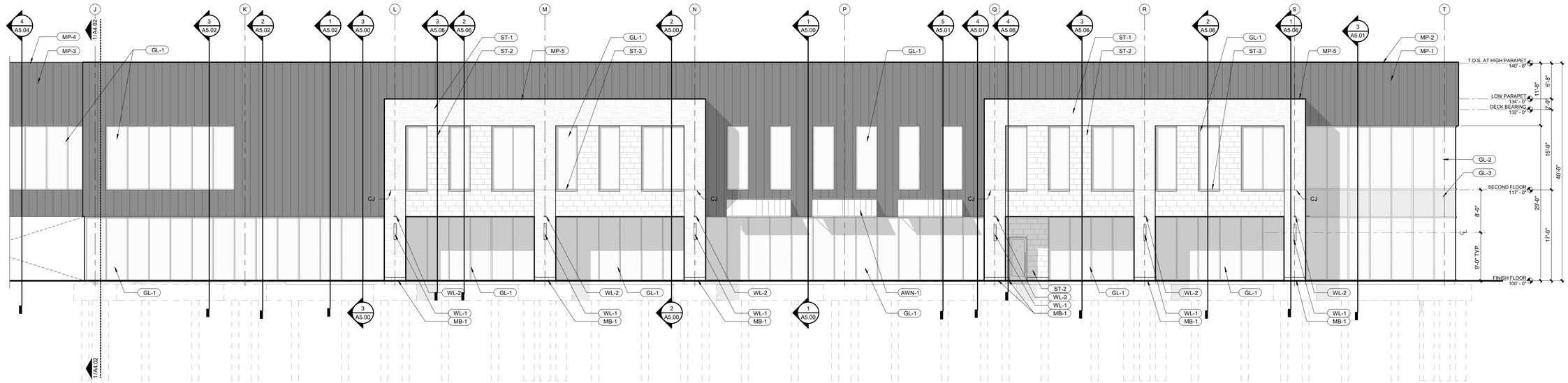
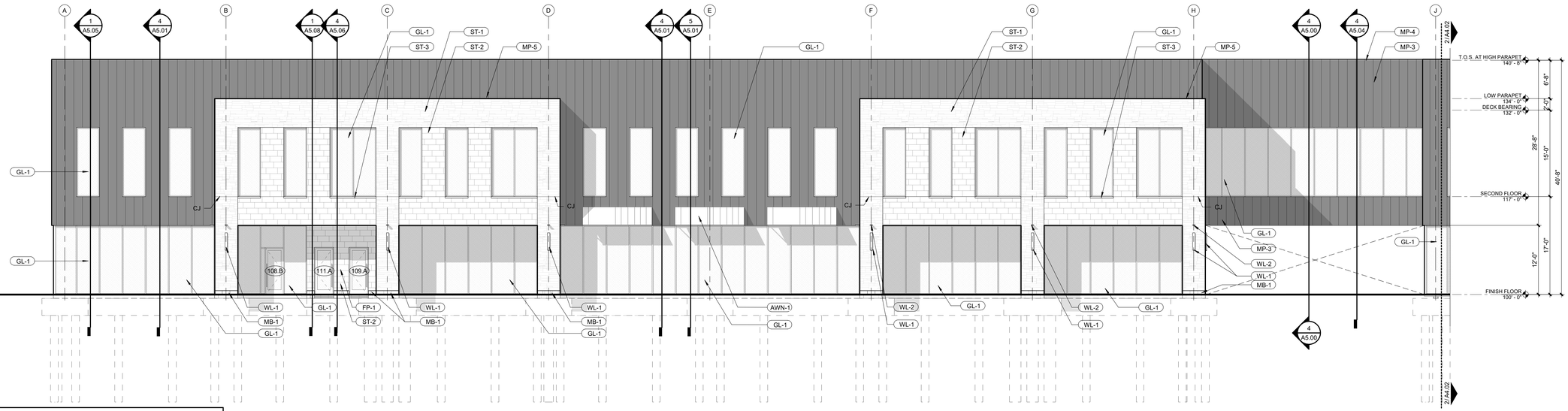
| GL-1 | 2" X 4 1/2" WINDOW WALL, BLACK ANODIZED ALUMINUM FINISH W/ 1" INSULATED LOW-E GLAZING UNIT |
| GL-2 | 2 1/4" X 7 1/2" CURTAINWALL SYSTEM, BLACK ANODIZED ALUM FINISH W/ 1" INSULATED LOW-E GLAZING UNIT* |
| GL-3 | IGU AT SECOND LEVEL STRUCTURE TO BE SPANDRAL GLASS: PPG SOLARBAN 70XL SOLAR CONTROL LOW-E GLAZING UNIT W/ 'SUBDUED GRAY" OPACIFIER ON 4TH SURFACE, OR APPROVED EQUAL |
| WD-1 | DELTA MILLWORKS ACCOYA 6" T&G WOOD SOFFIT, UNFINISHED; CONTRACTOR TO STAIN IN-FIELD TO MATCH ARCHITECT'S SAMPLE |
| ST-1 | BORAL CULTURED STONE; HEWN STONE, COLOR: ARCTIC; PATTERN: HSP35809** |
| ST-2 | ELDORADO CULTURED STONE MARQUEE24, COLOR: DOVETAIL** |
| ST-3 | ELDORADO SPLIT EDGE 'WHITE CLOUD' SILL PIECE AT ALL WINDOW WALL OPENINGS IN ST-1 OR ST-2 WALLS<br>**PROVIDE CONTROL JOINT AT SECOND LEVEL ON ALL ST-1 AND ST-2 LOCATIONS PER ELEVATIONS AND MFR RECOMMENDATIONS; STONE TO BE NO GROUT, DRY-STACK AESTHETIC. |
| MB-1 | GROUND FACE 10Wx8Hx16L MASONRY BLOCK PER STRUCTURAL DWGS, BURNISHED FINISH, COLOR: MIDWEST SLATE |
| AWN-1 | PRE-MANUF. SURFACE MOUNTED STANDING SEAM METAL TO MATCH MP-1 ON PAINTED ALUMINUM BRACKETS |
| 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 ON WALL SPACE UNO |
| WL-1 | EXTERIOR DECORATIVE WALL LIGHT; AT 9'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |
| WL-2 | EXTERIOR WALL-MOUNTED UP-LIGHT; ALIGN W/ SOFFIT AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |
| WL-3 | PROVIDE J-BOX FOR FUTURE WALL LIGHT PER TENANT AT 9'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |




2 NORTH ELEVATION - WEST
A4.02 SCALE : 1/8" = 1'-0"




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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

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

SHEET TITLE

ENLARGED ELEVATIONS - NORTH

SHEET NUMBER

A4.02

## EXTERIOR MATERIAL LEGEND

| | |
|---|---|
| MP-1 | WESTERN STATES 'WESTERN SNAP LOCK' STANDING SEAM MTL PANEL, 18" PANEL WIDTH, COLOR: MATTE MIDNIGHT BLACK |
| MP-2 | KYNAR COATED 22 GA BREAK METAL COPING TO MATCH MP-1; BASIS OF DESIGN: WESTERN STATES 'MATTE MIDNIGHT BLACK' OR APPROVED EQ. |
| MP-3 | WESTERN STATES 'T-GROOVE FLUSH' MTL PANEL, 12" MATTE MIDNIGHT BLACK |
| MP-4 | KYNAR COATED 22 GA BREAK METAL COPING TO MATCH MP-3; BASIS OF DESIGN: WESTERN STATES 'MATTE MIDNIGHT BLACK' OR APPROVED EQ. |
| MP-5 | KYNAR COATED 24 GA BREAK METAL COPING TO MATCH ST-1; BASIS OF DESIGN: WESTERN STATES COOL TECH 'POLAR WHITE' OR APPROVED EQ. |
| GL-1 | 2" X 4 1/2" WINDOW WALL, BLACK ANODIZED ALUMINUM FINISH W/ 1" INSULATED LOW-E GLAZING UNIT |
| GL-2 | 2 1/4" X 7 1/2" CURTAINWALL SYSTEM, BLACK ANODIZED ALUM FINISH W/ 1" INSULATED LOW-E GLAZING UNIT* |
| GL-3 | IGU AT SECOND LEVEL STRUCTURE 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 | DELTA MILLWORKS ACCOYA 6" T&G WOOD SOFFIT, UNFINISHED; CONTRACTOR TO STAIN IN-FIELD TO MATCH ARCHITECT'S SAMPLE |
| ST-1 | BORAL CULTURED STONE; HEWN STONE, COLOR: ARCTIC; PATTERN: HSP35809** |
| ST-2 | ELDORADO CULTURED STONE MARQUEE24, COLOR: DOVETAIL** |
| ST-3 | ELDORADO SPLIT EDGE 'WHITE CLOUD' SILL PIECE AT ALL WINDOW WALL OPENINGS IN ST-1 OR ST-2 WALLS<br>**PROVIDE CONTROL JOINT AT SECOND LEVEL ON ALL ST-1 AND ST-2 LOCATIONS PER ELEVATIONS AND MFR RECOMMENDATIONS; STONE TO BE NO GROUT, DRY-STACK AESTHETIC. |
| MB-1 | GROUND FACE 10Wx8Hx16L MASONRY BLOCK PER STRUCTURAL DWGS, BURNISHED FINISH, COLOR: MIDWEST SLATE |
| AWN-1 | PRE-MANUF. SURFACE MOUNTED STANDING SEAM METAL TO MATCH MP-1 ON PAINTED ALUMINUM BRACKETS |
| FP-1 | LOCATION FOR FDC AND KNOX BOX PER FIRE PROTECTION DRAWINGS; CENTER FIXTURES IN WALL UNO |
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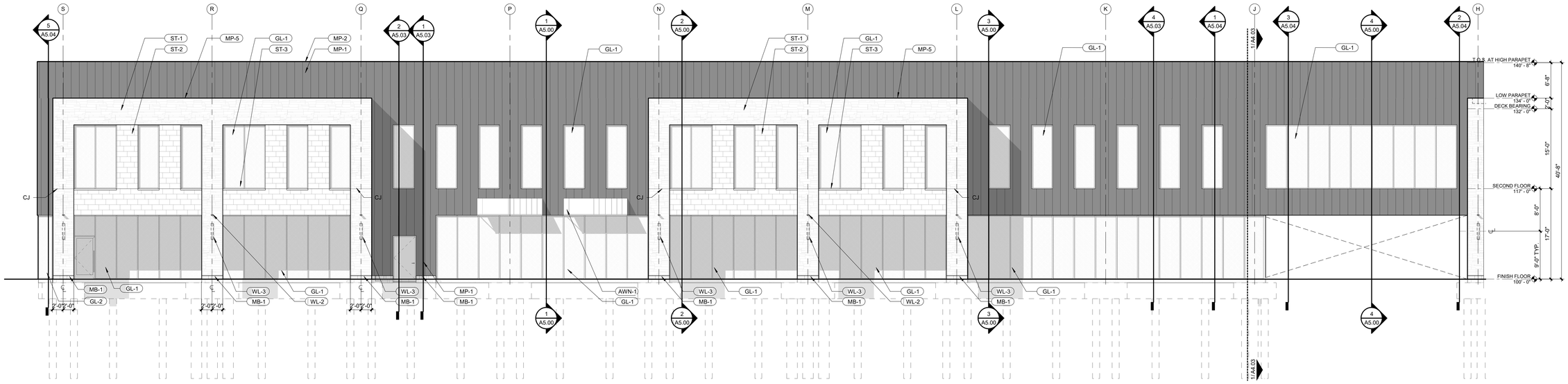
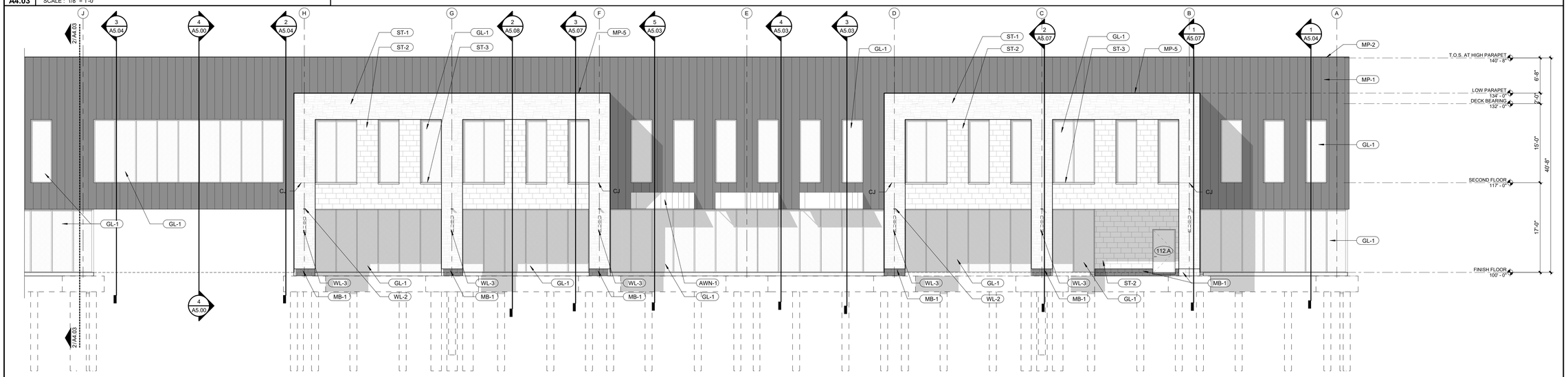
| WL-1 | EXTERIOR DECORATIVE WALL LIGHT; AT 9'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |
| WL-2 | EXTERIOR WALL-MOUNTED UP-LIGHT; ALIGN W/ SOFFIT AT 12'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |
| WL-3 | PROVIDE J-BOX FOR FUTURE WALL LIGHT PER TENANT AT 9'-0" AFF; CENTER ON WALL SPACE PER ELEVATIONS UNO |




2 SOUTH ELEVATION - WEST

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




1 SOUTH ELEVATION - EAST

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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
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DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT

05.06.22

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| STRUCTURAL | BSE STRUCTRAL ENGINEERS |
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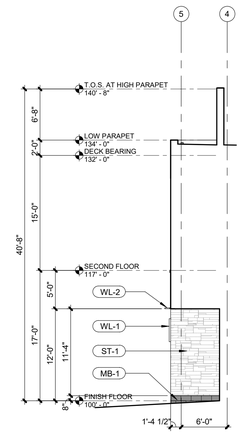
SHEET TITLE

ENLARGED ELEVATIONS - SOUTH

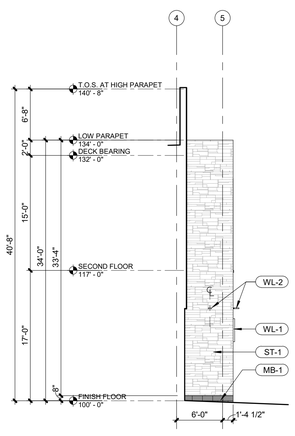
SHEET NUMBER

A4.03



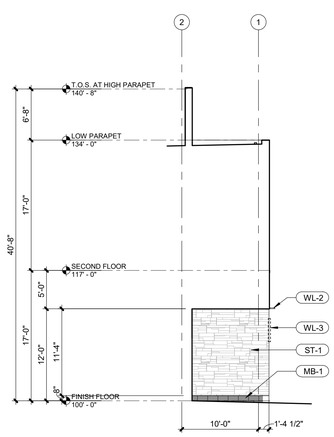

8 TYP. NORTH BUMP-OUT

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



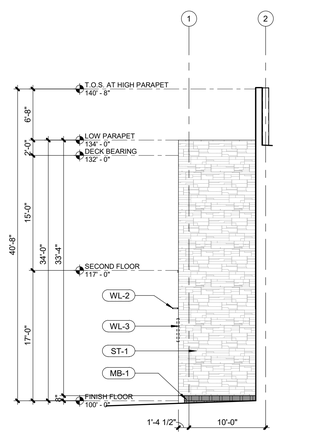

7 TYP. NORTH BUMP-OUT

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




6 TYP. SOUTH BUMP-OUT

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




5 TYP. SOUTH BUMP-OUT

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

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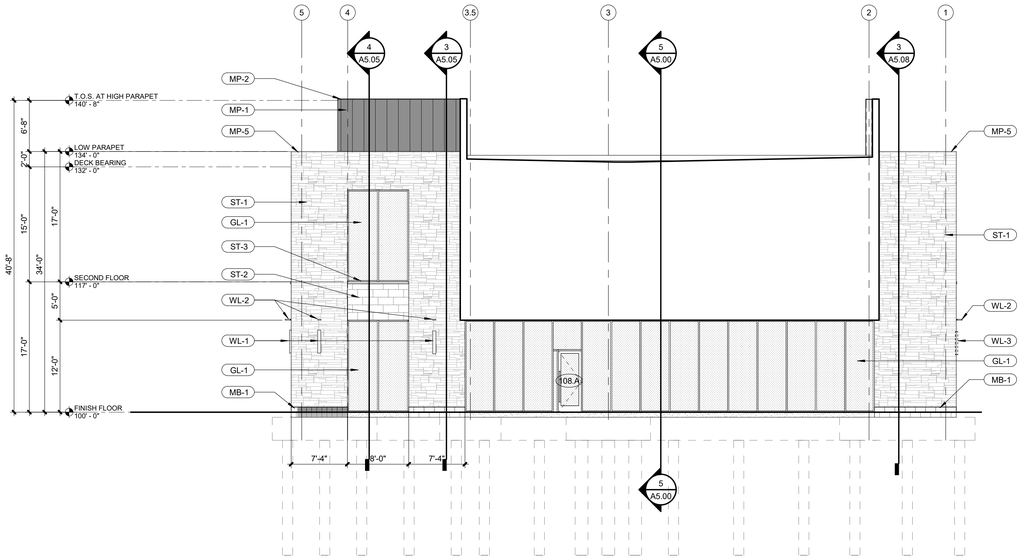
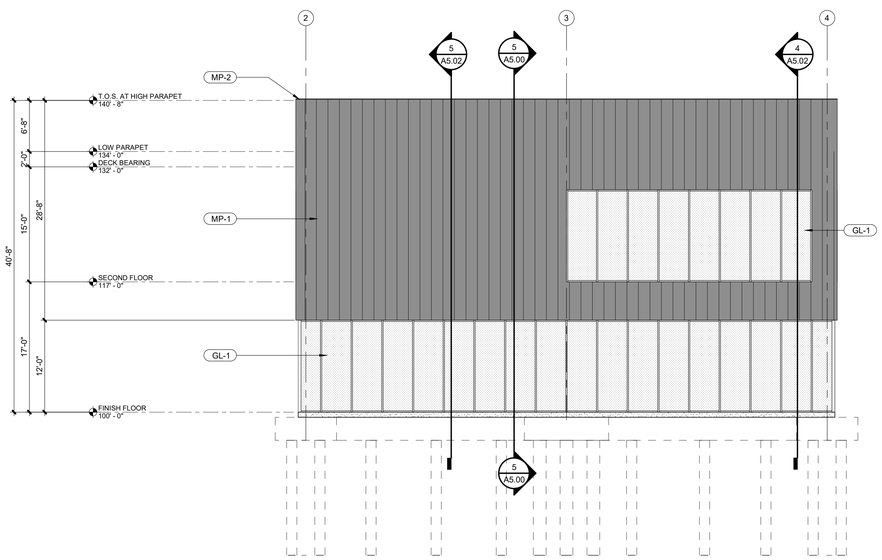


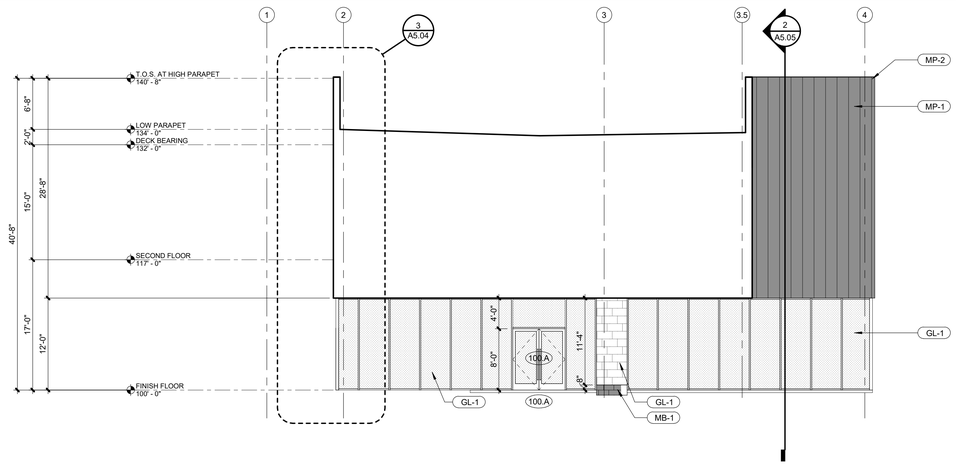

4 ENLARGED ELEVATION

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



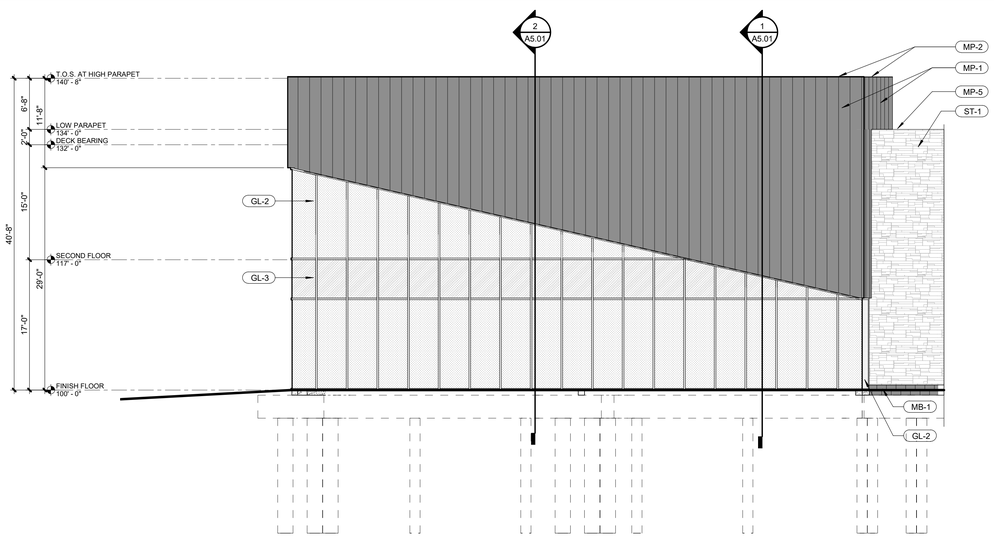

2 ENLARGED ELEVATION

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




3 ENLARGED ELEVATION

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




1 ENLARGED ELEVATION

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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

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|---|---|---|

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT
05.06.22

PROJECT TEAM

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

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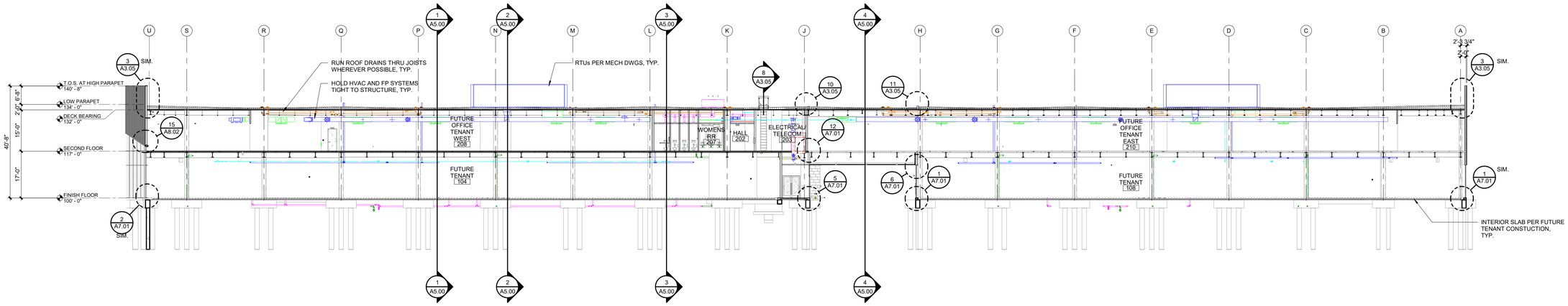
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

ENLARGED ELEVATIONS

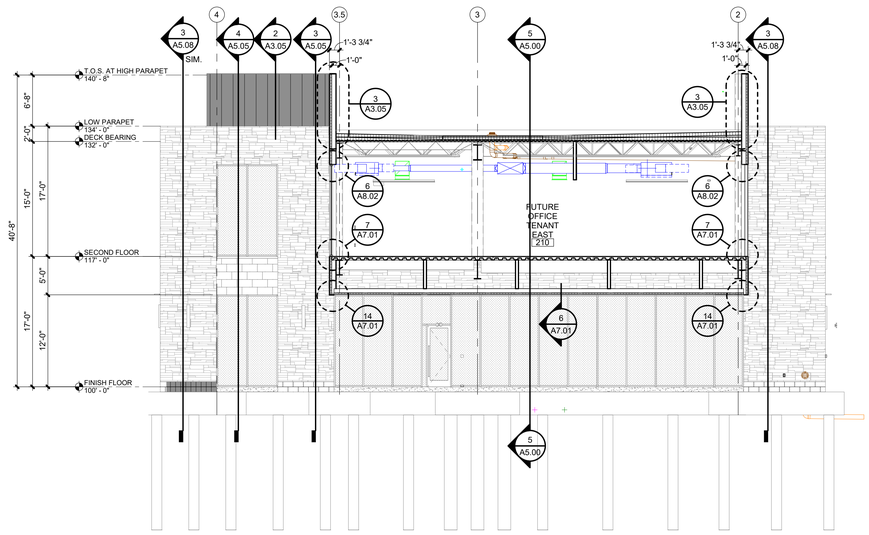
SHEET NUMBER

A4.04



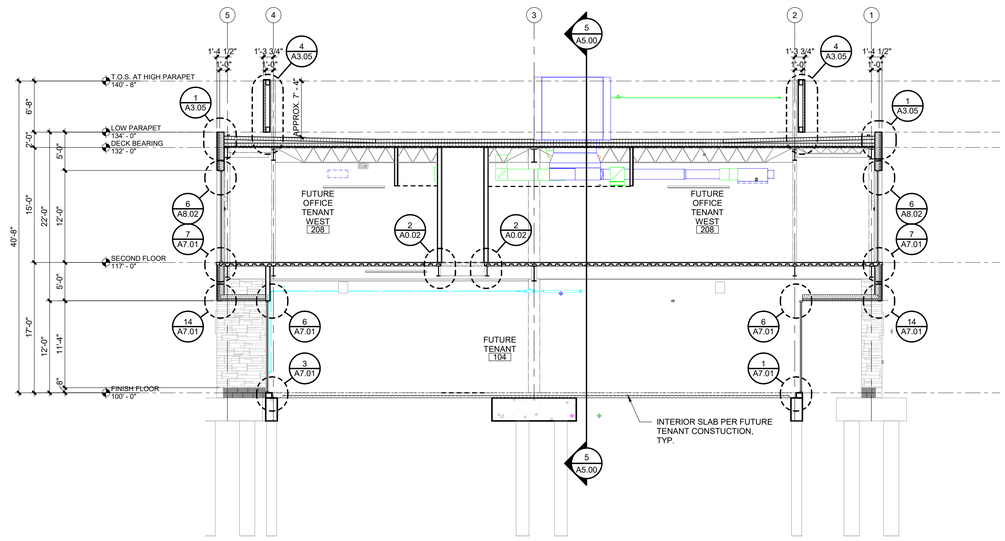

## 5 BUILDING SECTION

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



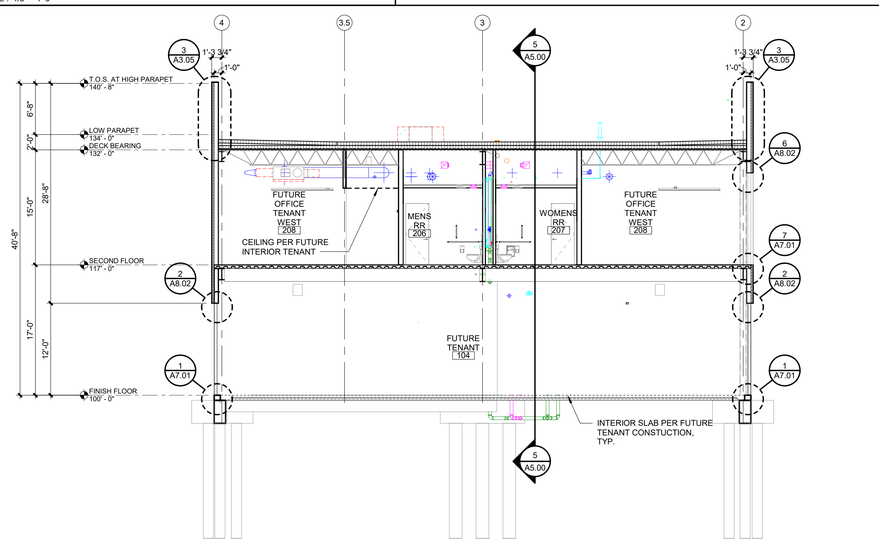

## 4 BUILDING SECTION

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



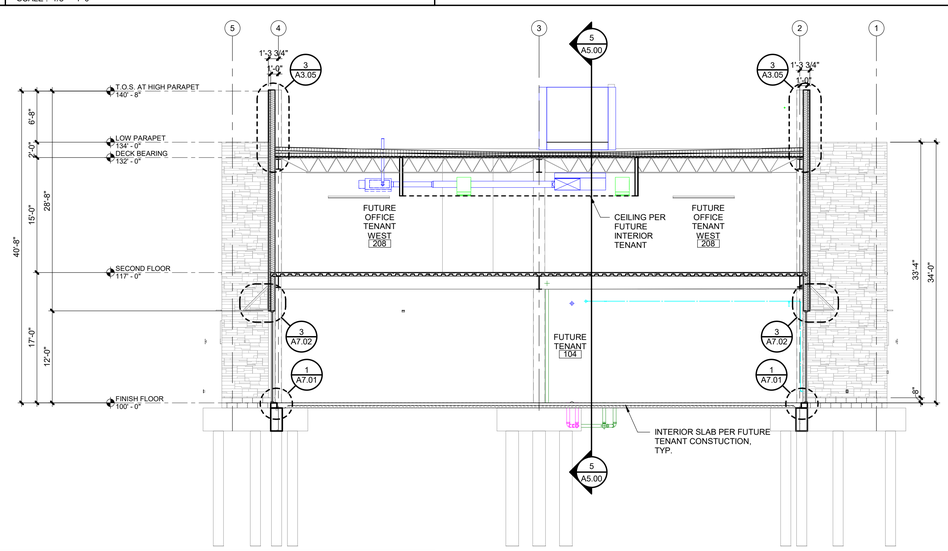

## 2 BUILDING SECTION

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




## 3 BUILDING SECTION

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




## 1 BUILDING SECTION

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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
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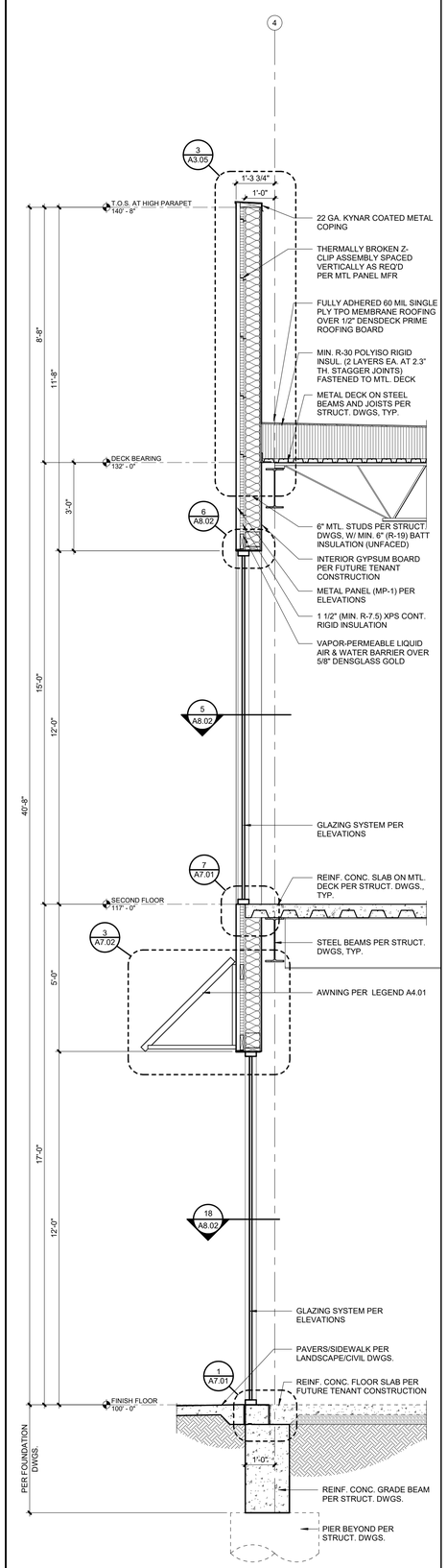
SHEET TITLE

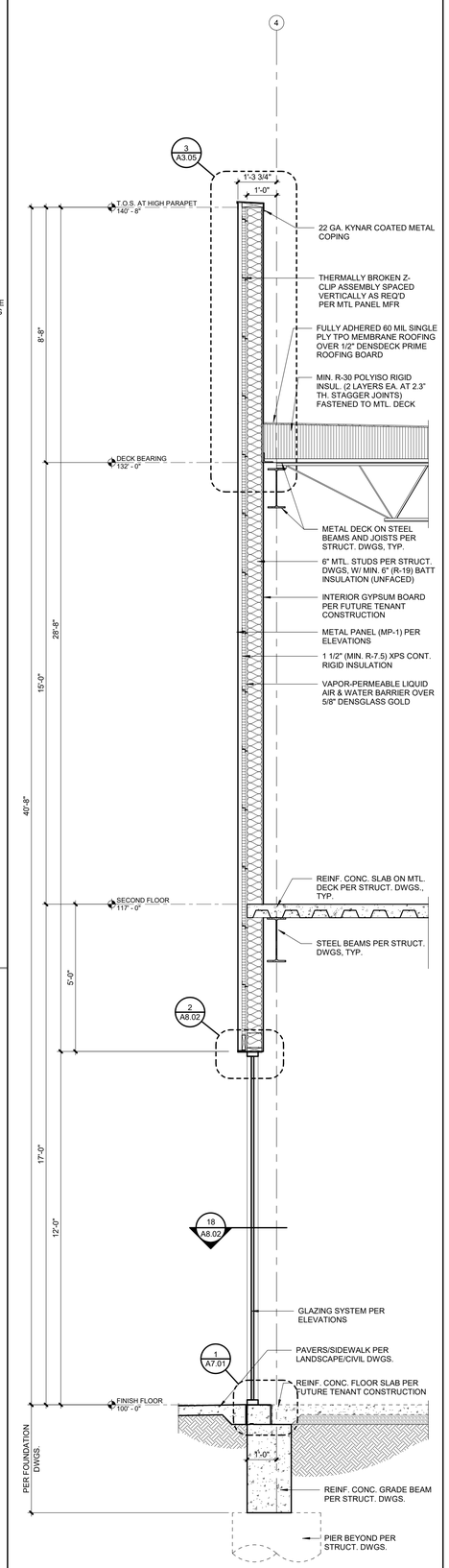
BUILDING SECTIONS

SHEET NUMBER

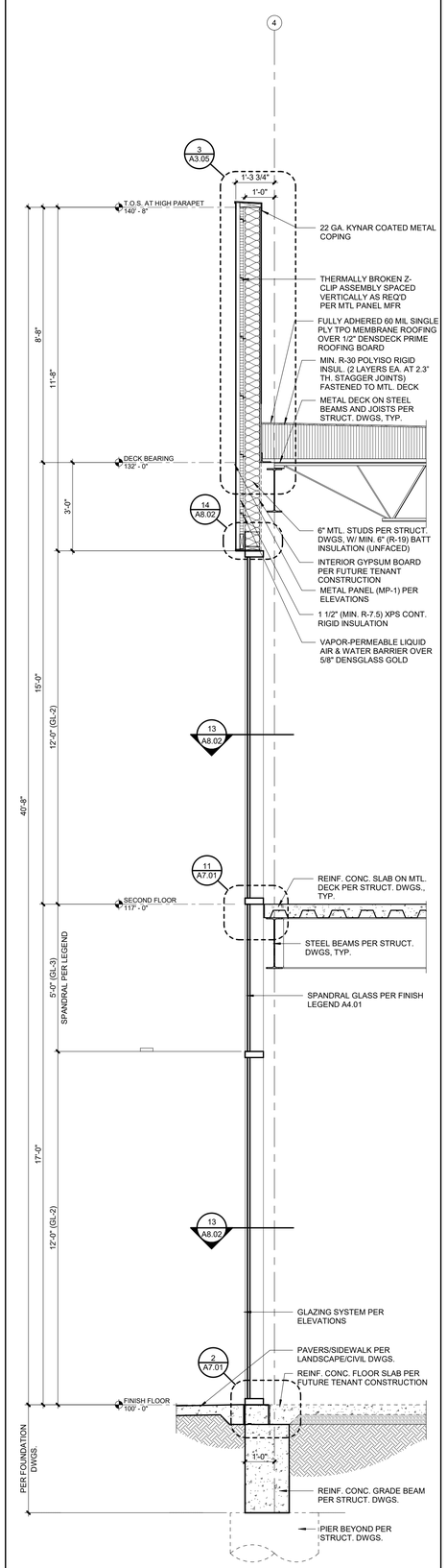
A5.00



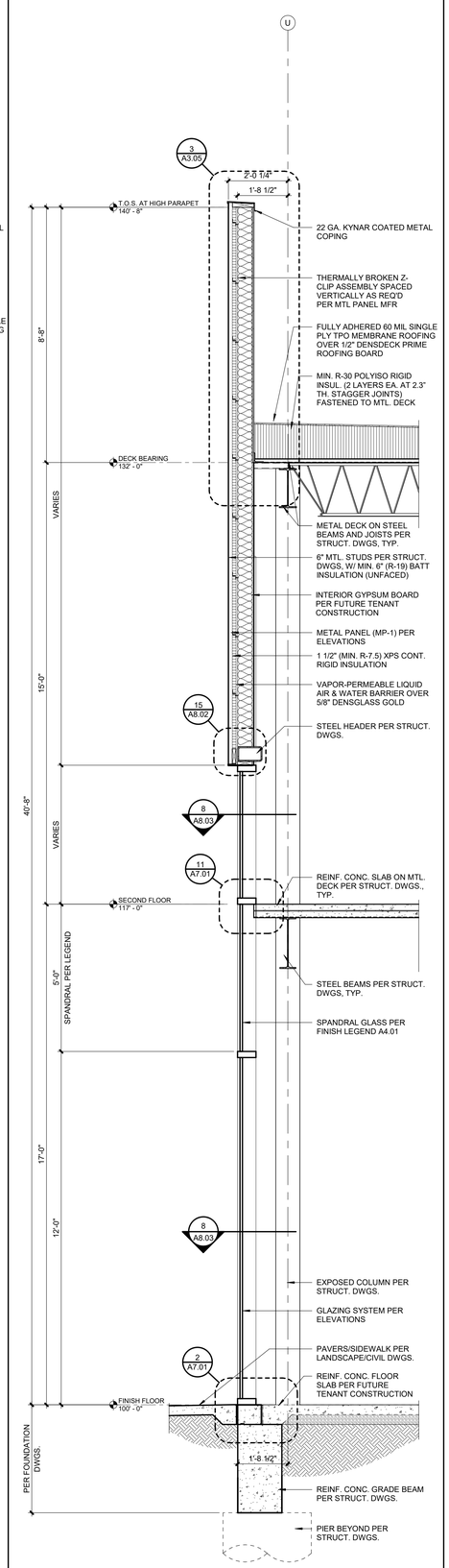

5 | WALL SECTION
A5.01 | SCALE : 1/2" = 1'-0"



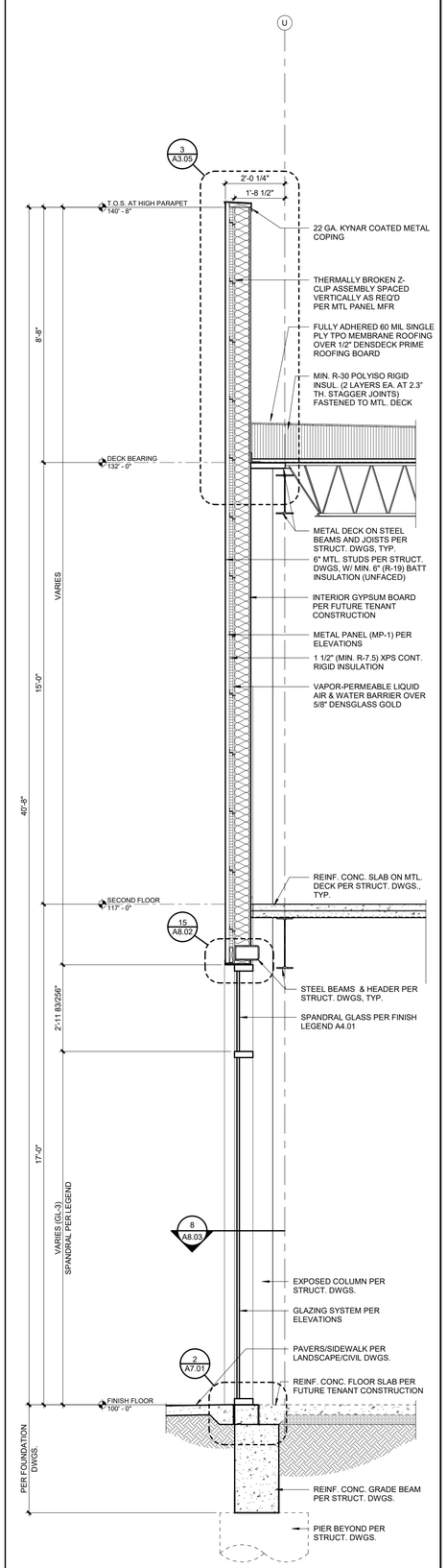

4 | WALL SECTION
A5.01 | SCALE : 1/2" = 1'-0"




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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paragon star

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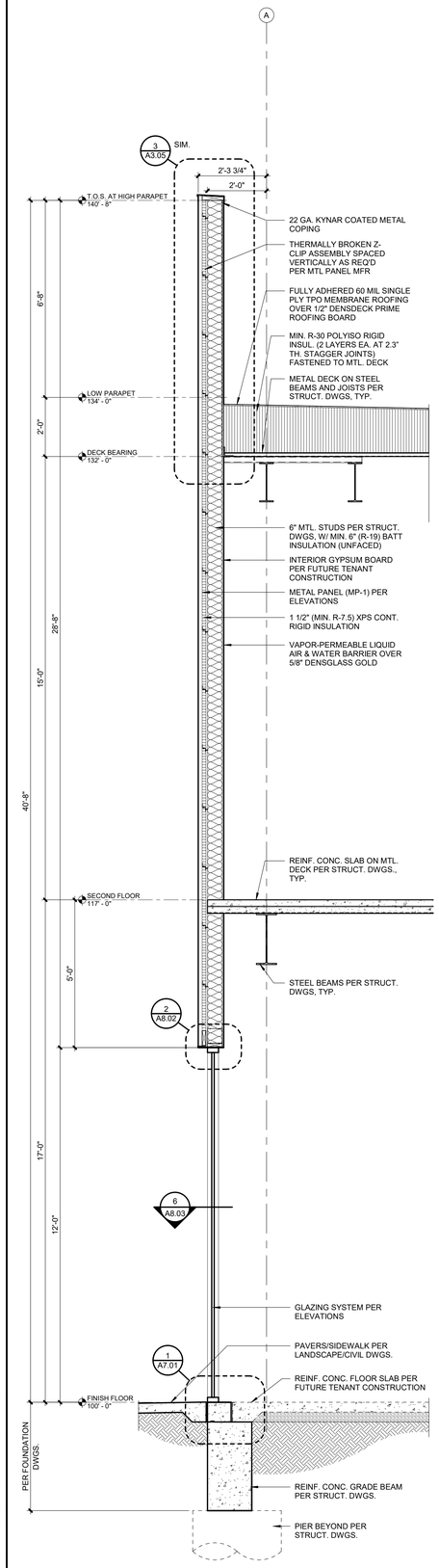
SHEET TITLE

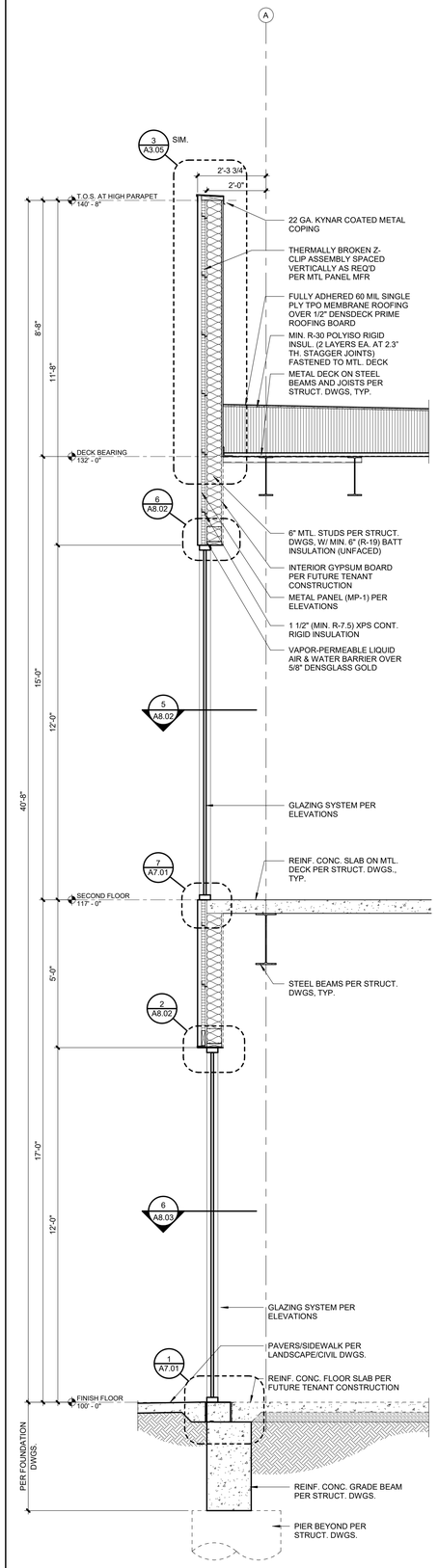
WALL SECTIONS

SHEET NUMBER

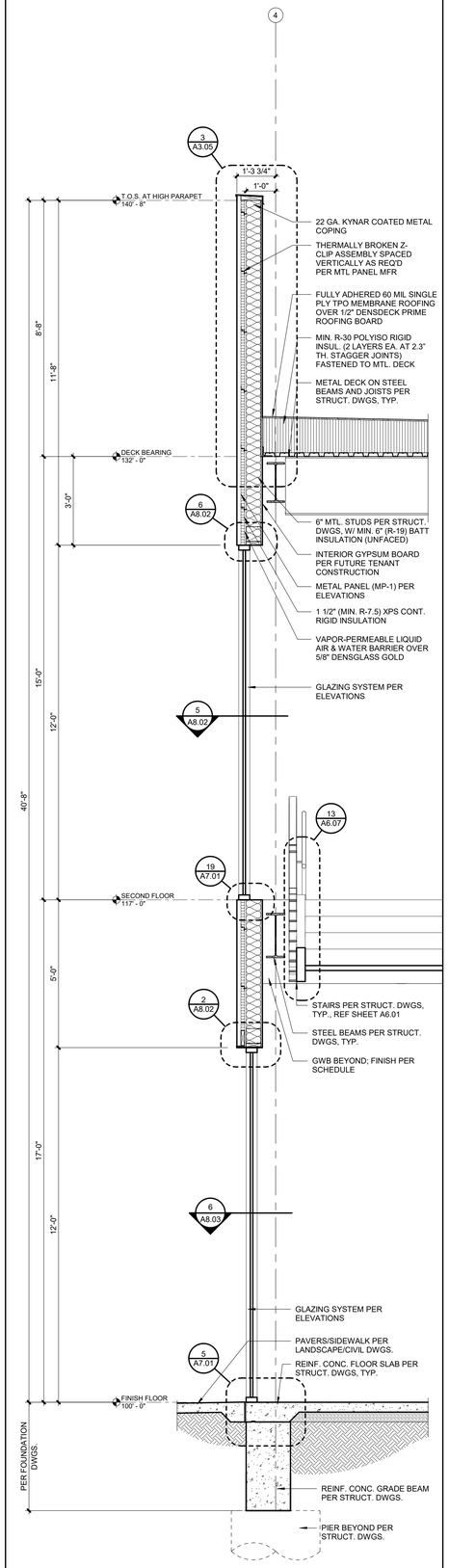
A5.01



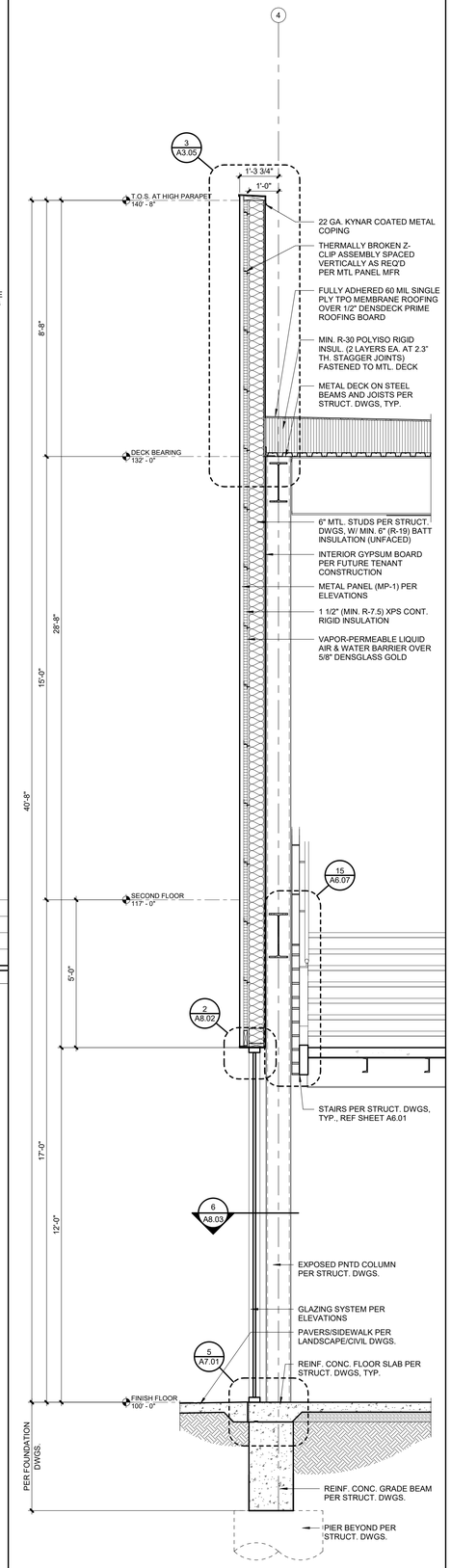

5 | WALL SECTION
A5.02 | SCALE : 1/2" = 1'-0"



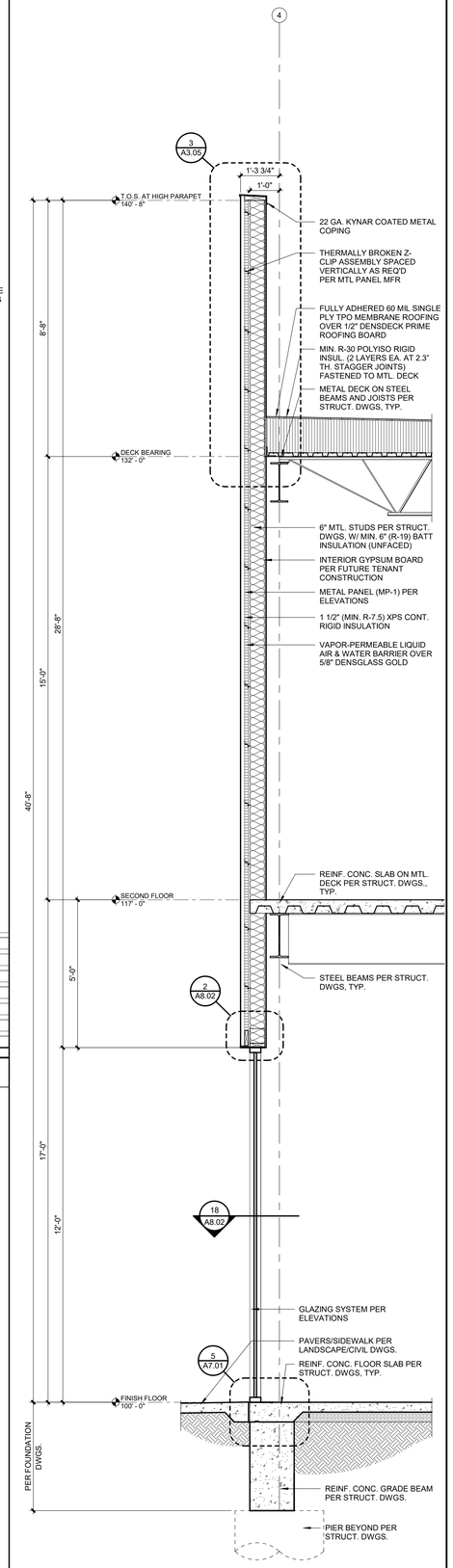

4 | WALL SECTION
A5.02 | SCALE : 1/2" = 1'-0"




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




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 BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5545
REGISTERED ARCHITECT
05.06.22

PROJECT TEAM

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

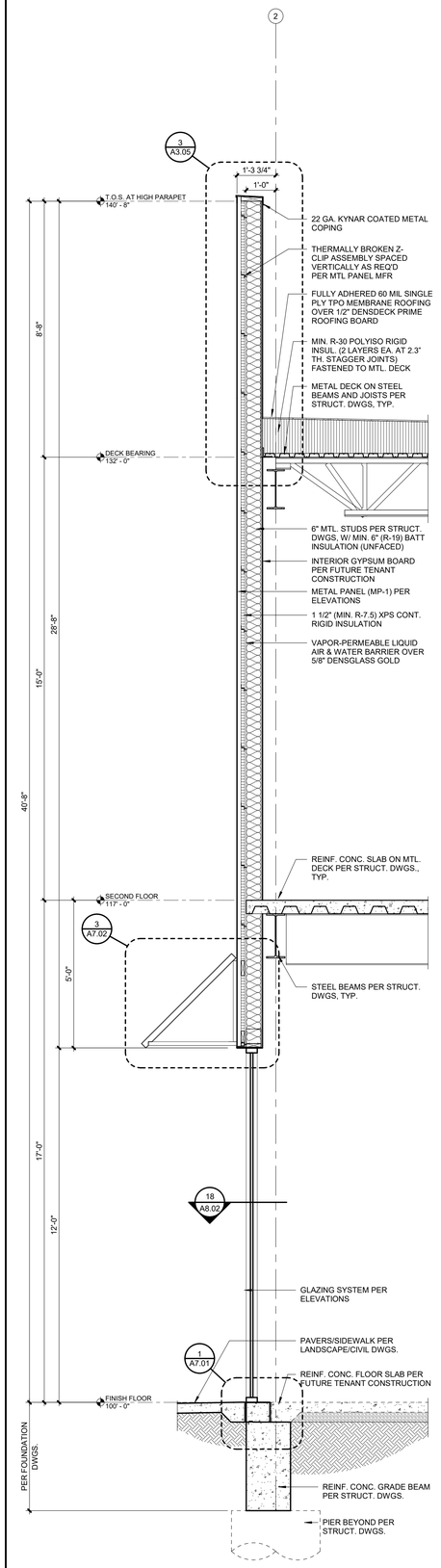
FINKLE + WILLIAMS
ARCHITECTURE
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

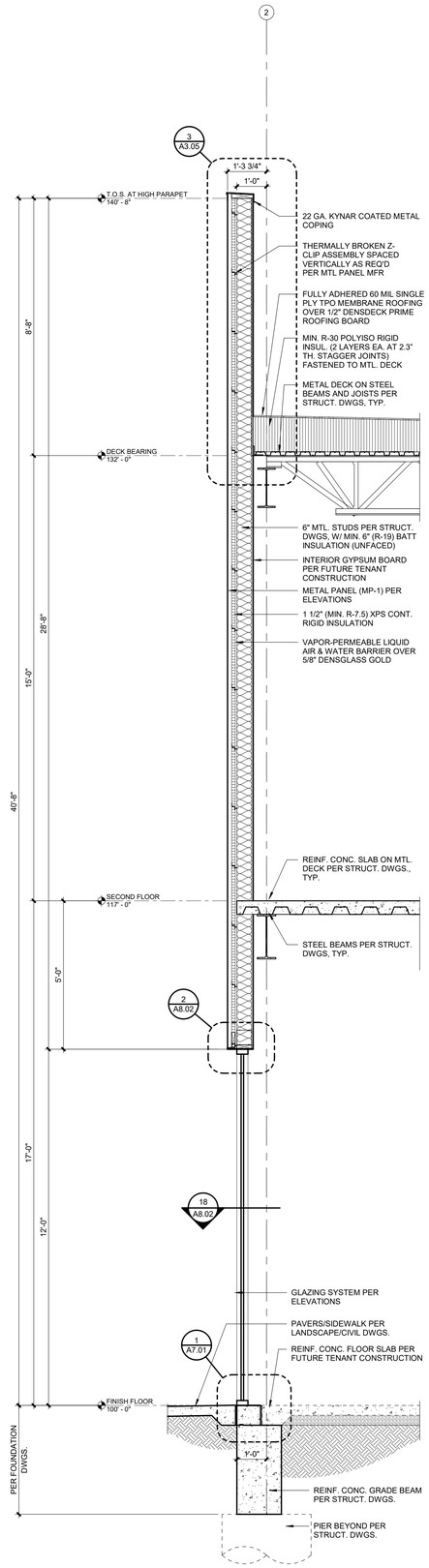
WALL SECTIONS

SHEET NUMBER

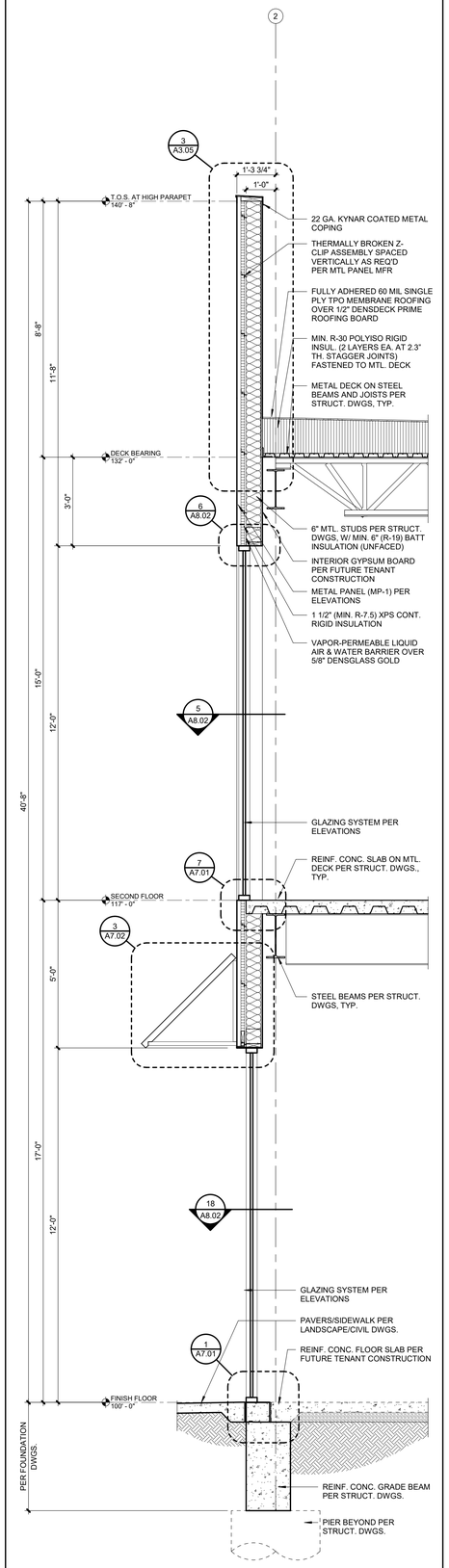
A5.02



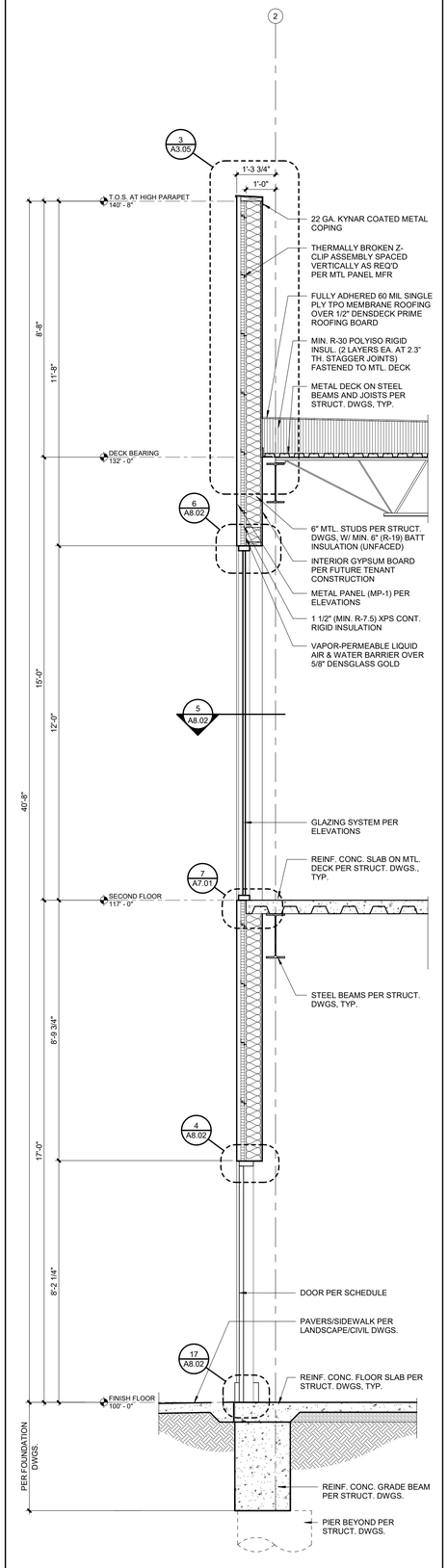

| 5 | WALL SECTION |
|---|---|
| A5.03 | SCALE : 1/2" = 1'-0" |



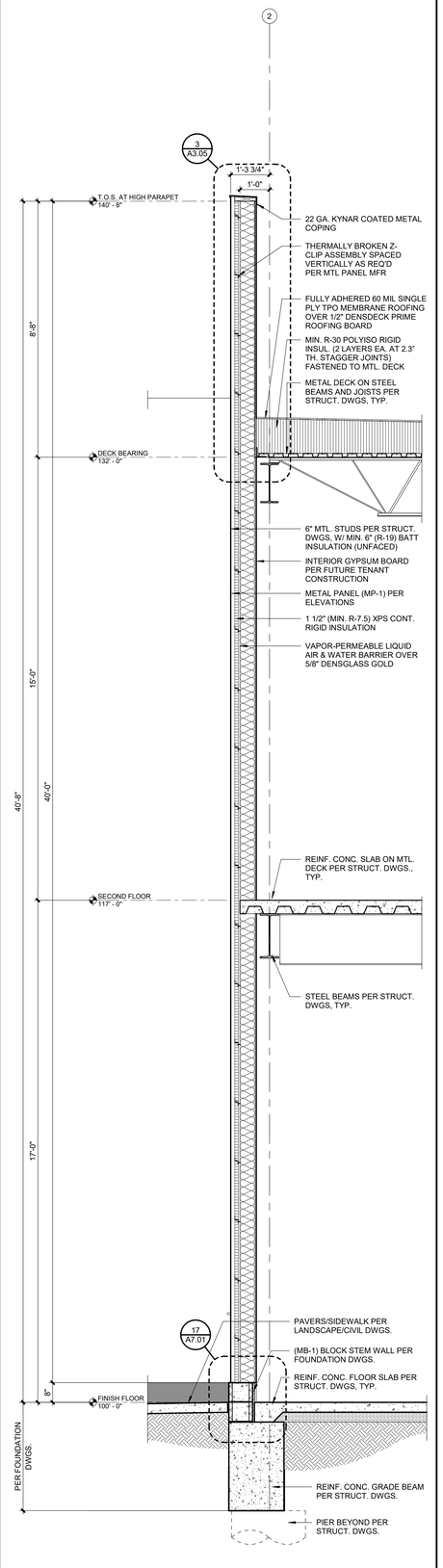

| 4 | WALL SECTION |
|---|---|
| A5.03 | SCALE : 1/2" = 1'-0" |




| 3 | WALL SECTION |
|---|---|
| A5.03 | SCALE : 1/2" = 1'-0" |




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




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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

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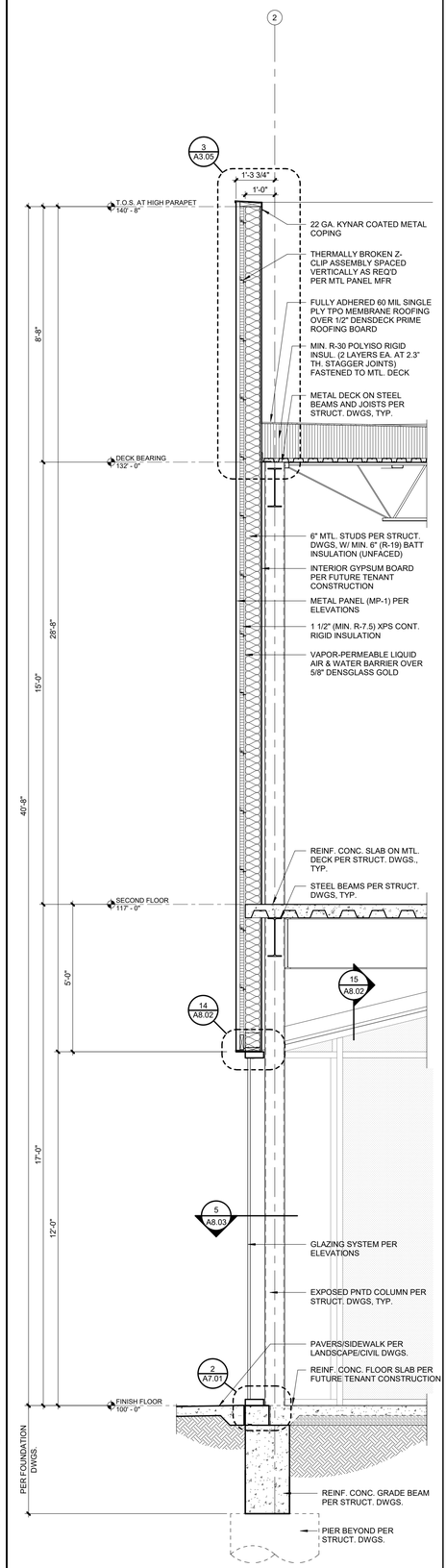
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

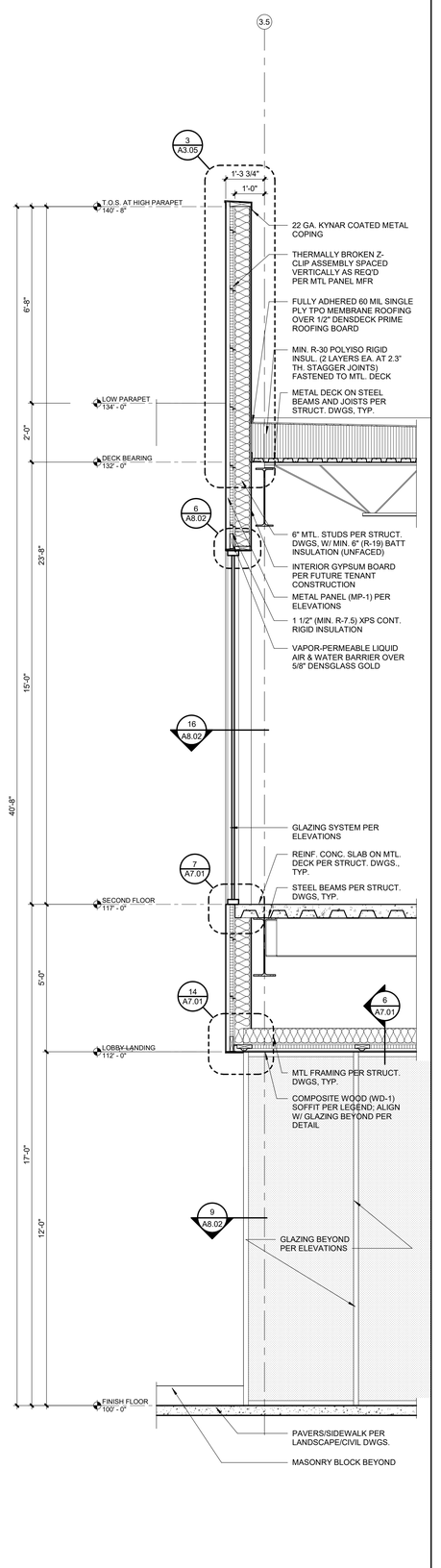
WALL SECTIONS

SHEET NUMBER

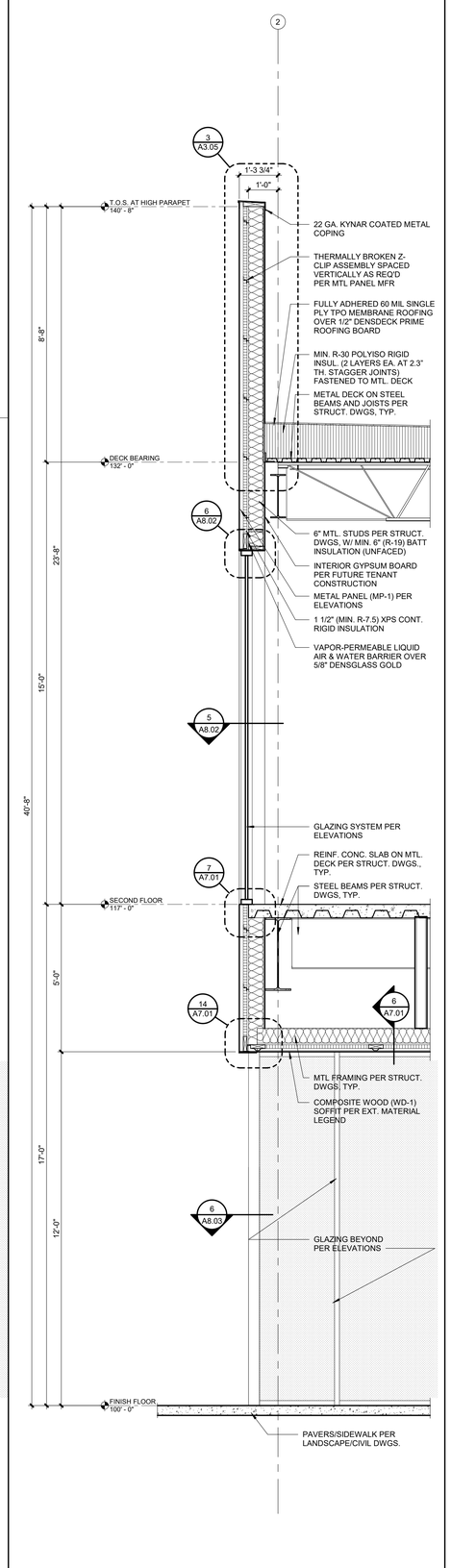
A5.03



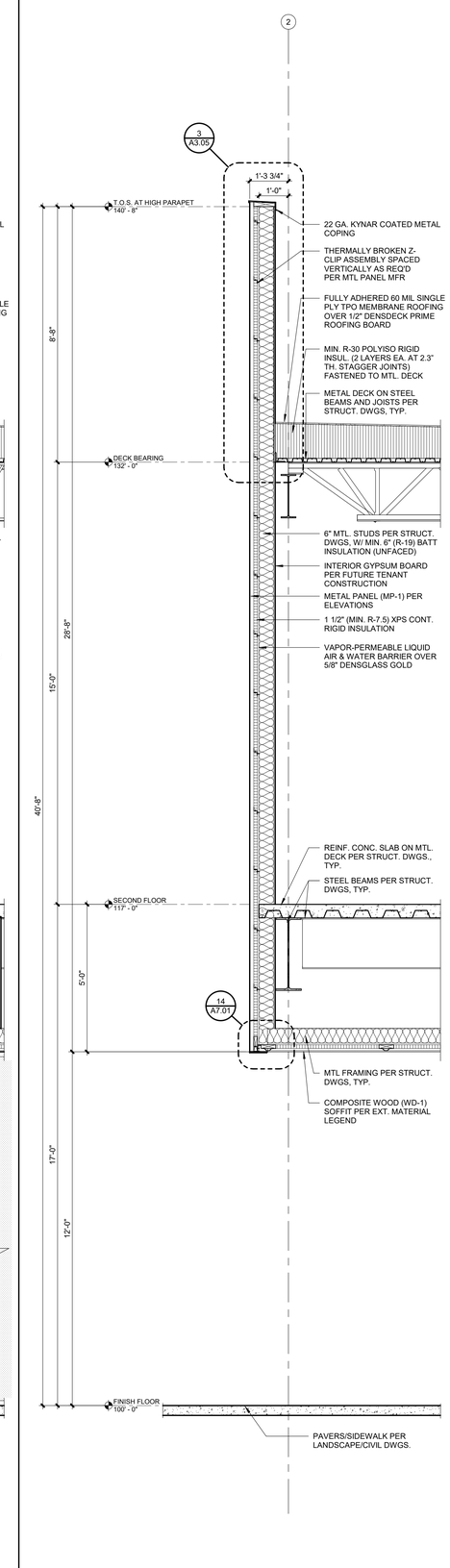

5 | WALL SECTION
A5.04 | SCALE : 1/2" = 1'-0"



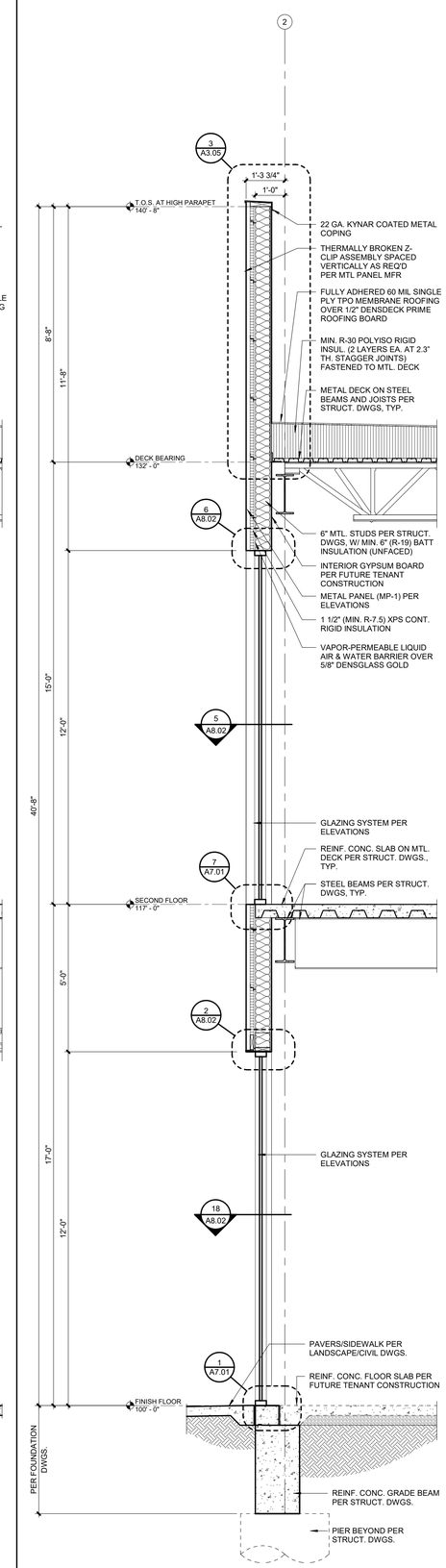

4 | WALL SECTION
A5.04 | SCALE : 1/2" = 1'-0"




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




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




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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

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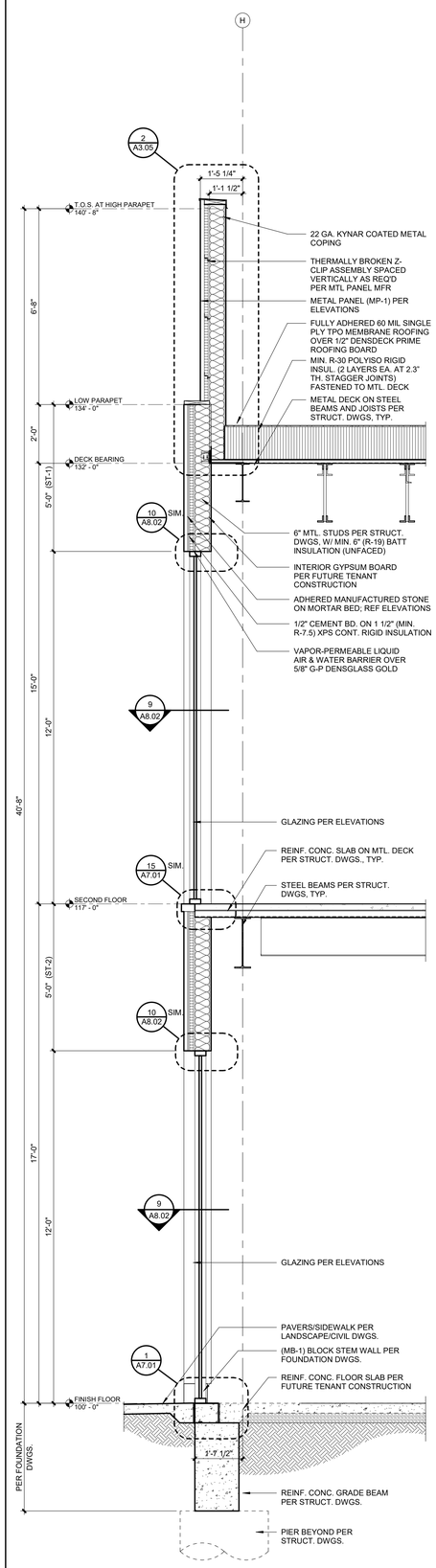
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

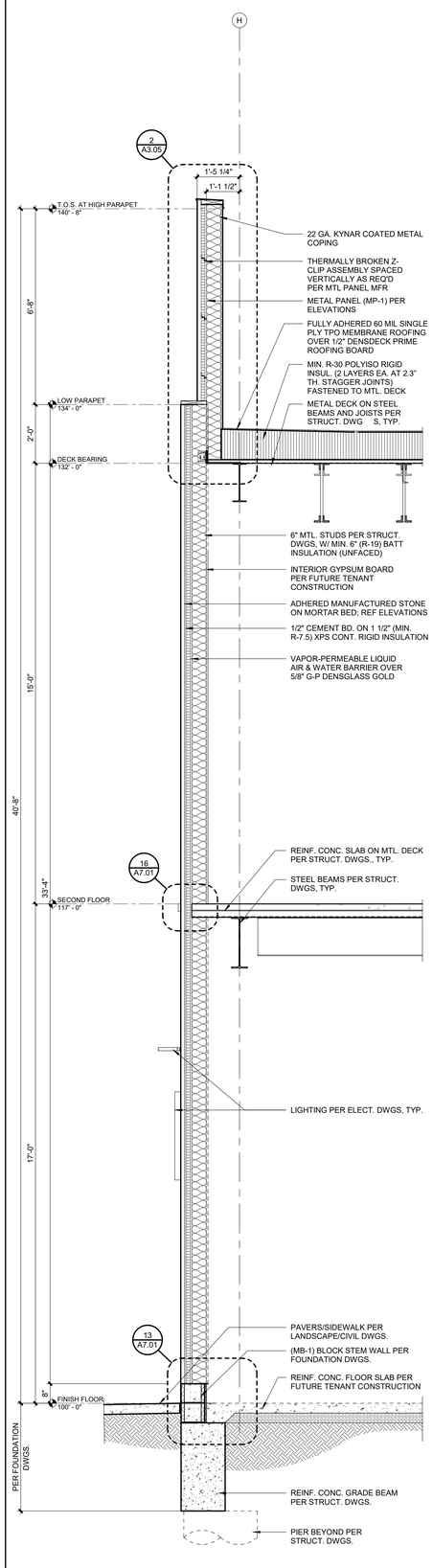
WALL SECTIONS

SHEET NUMBER

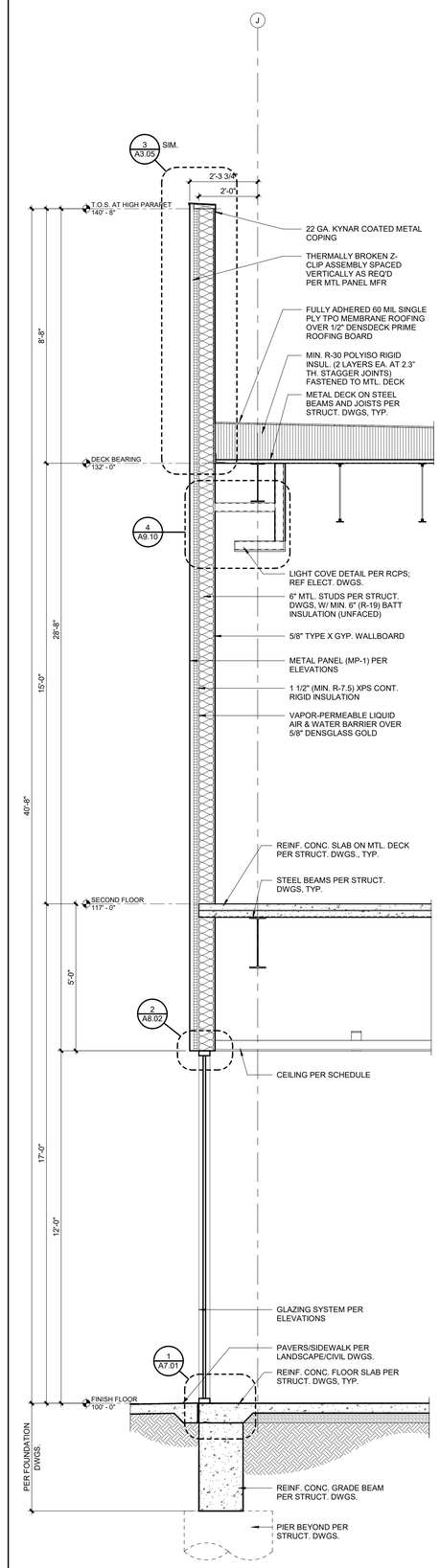
A5.04



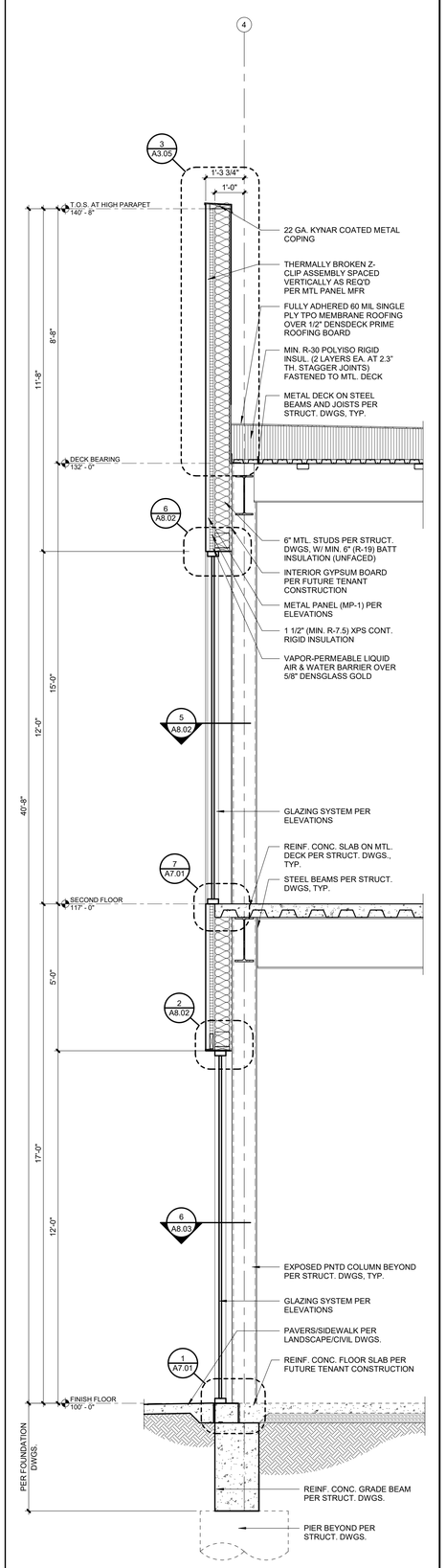

4 WALL SECTION
A5.05 SCALE : 1/2" = 1'-0"




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 BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

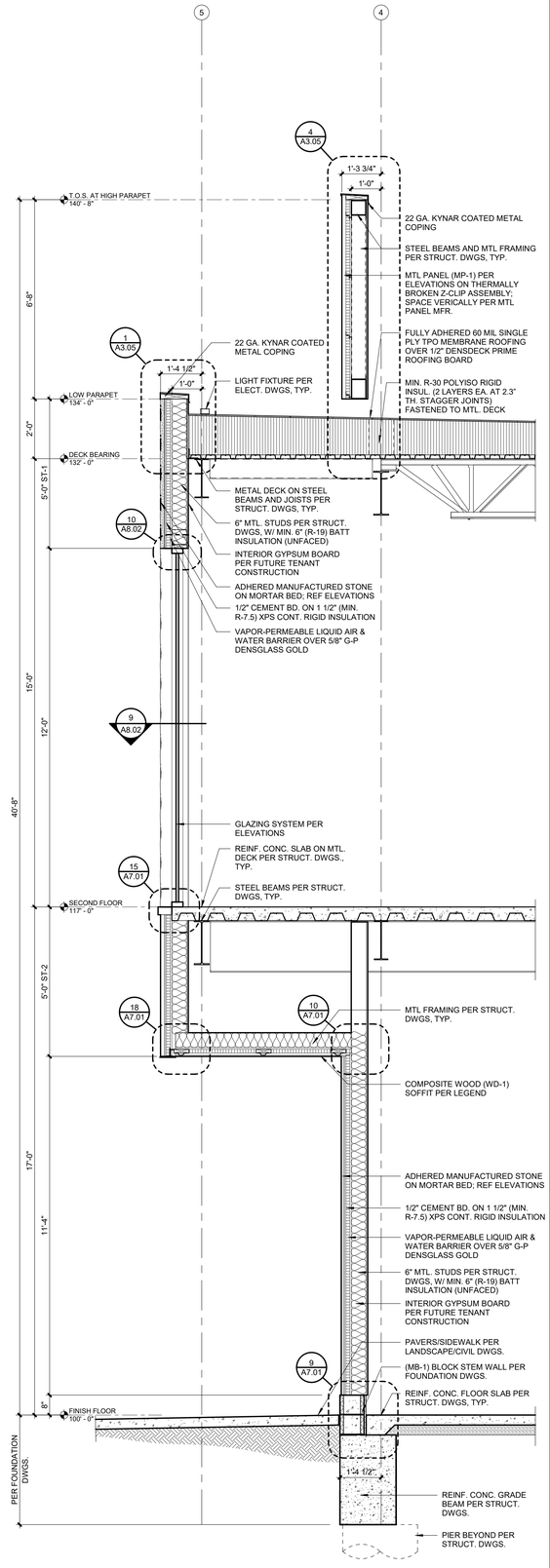
FINKLE + WILLIAMS
ARCHITECTURE
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

WALL SECTIONS

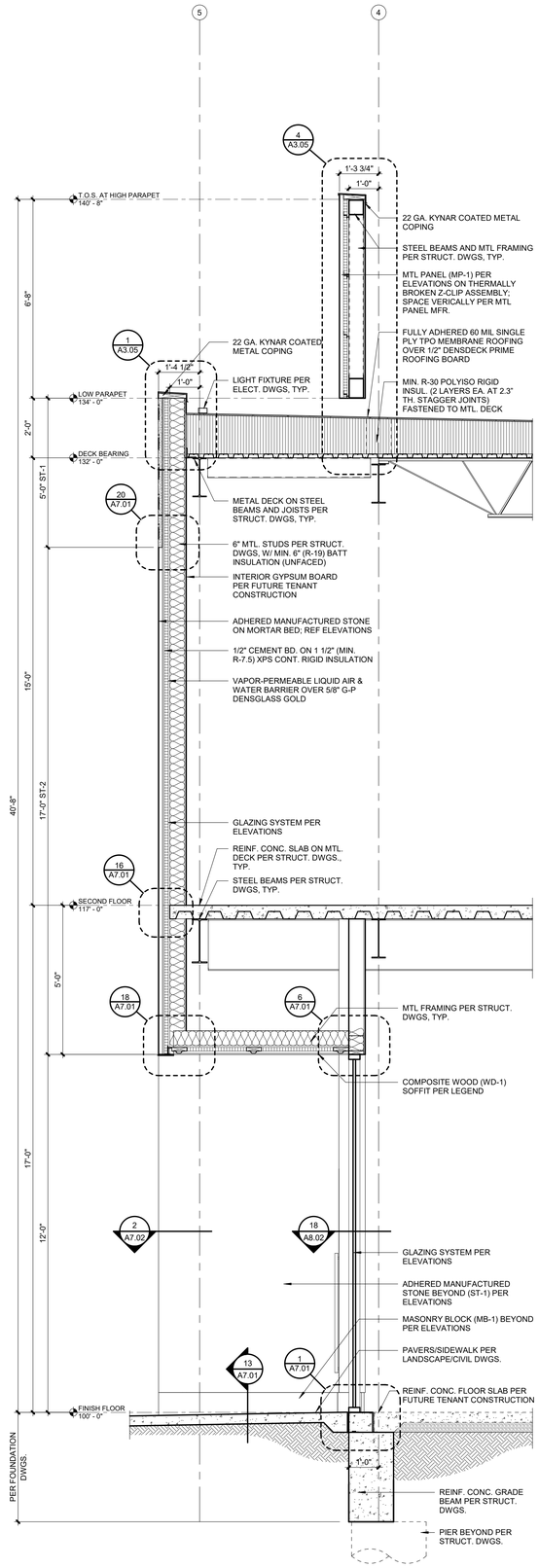
SHEET NUMBER

A5.05



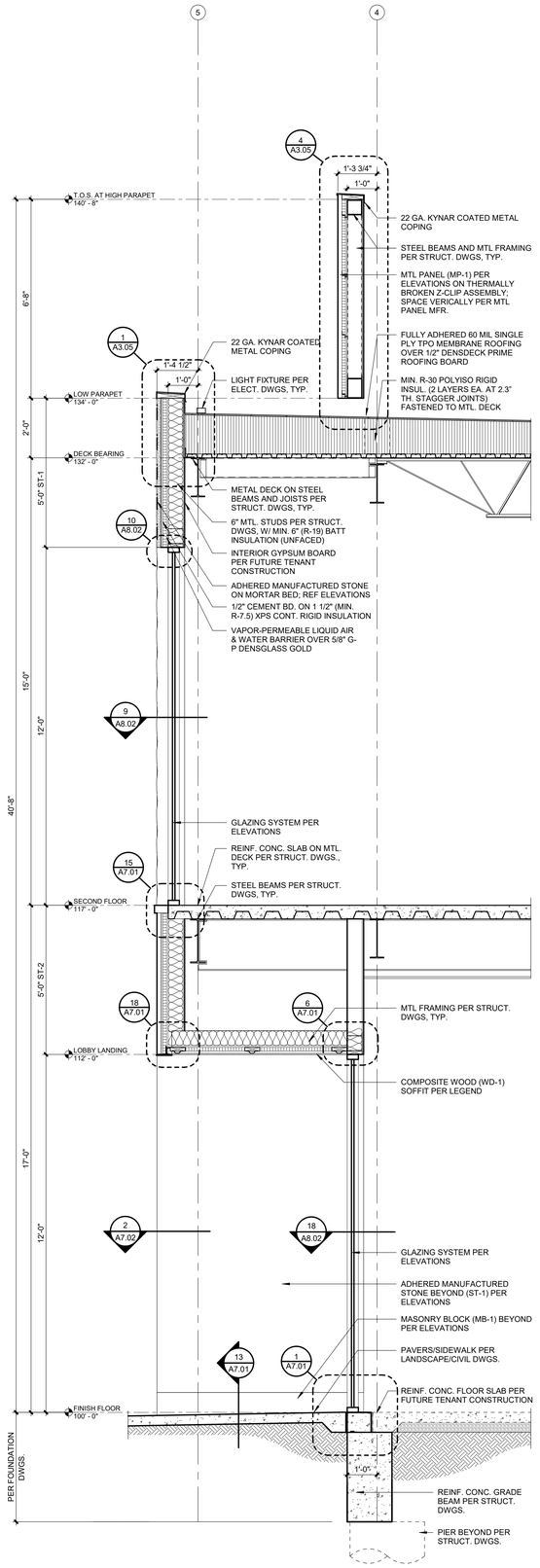

4 WALL SECTION

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



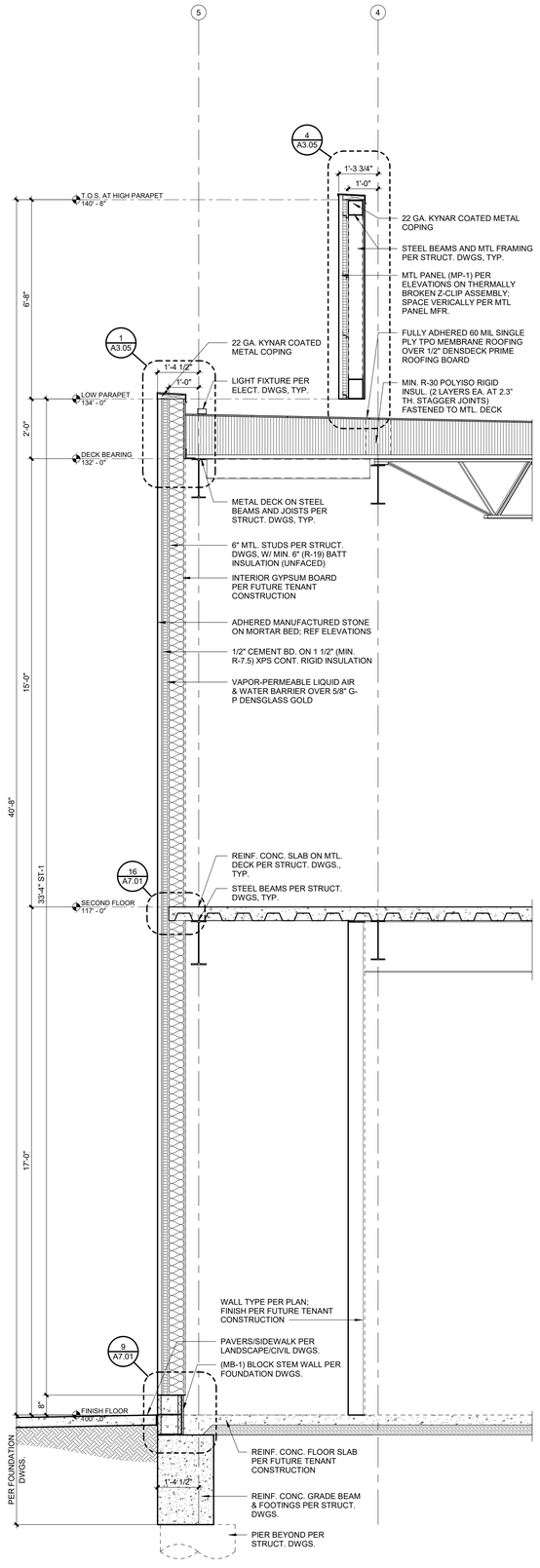

3 WALL SECTION

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




2 WALL SECTION

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




1 WALL SECTION

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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

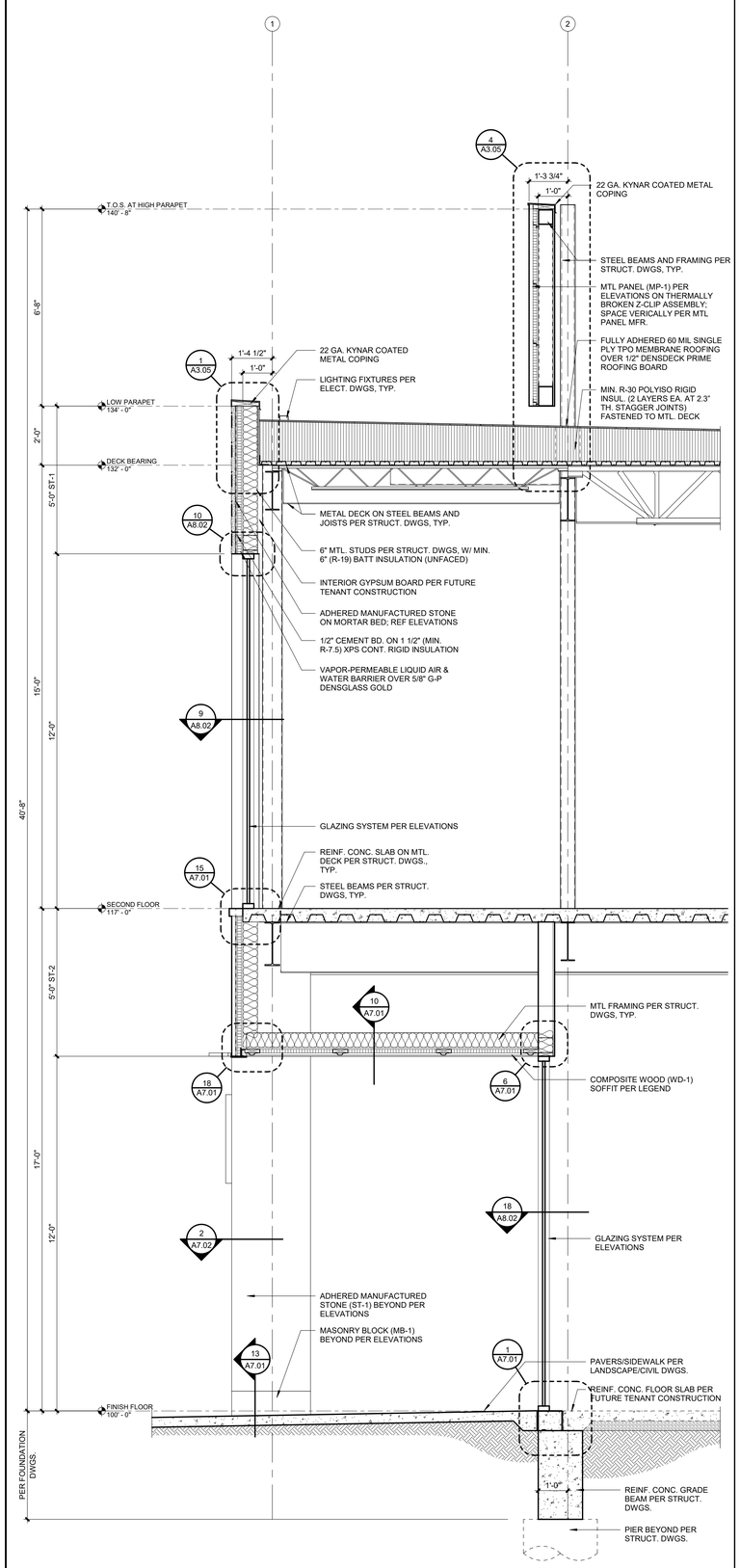
FINKLE + WILLIAMS
ARCHITECTURE
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

WALL SECTIONS

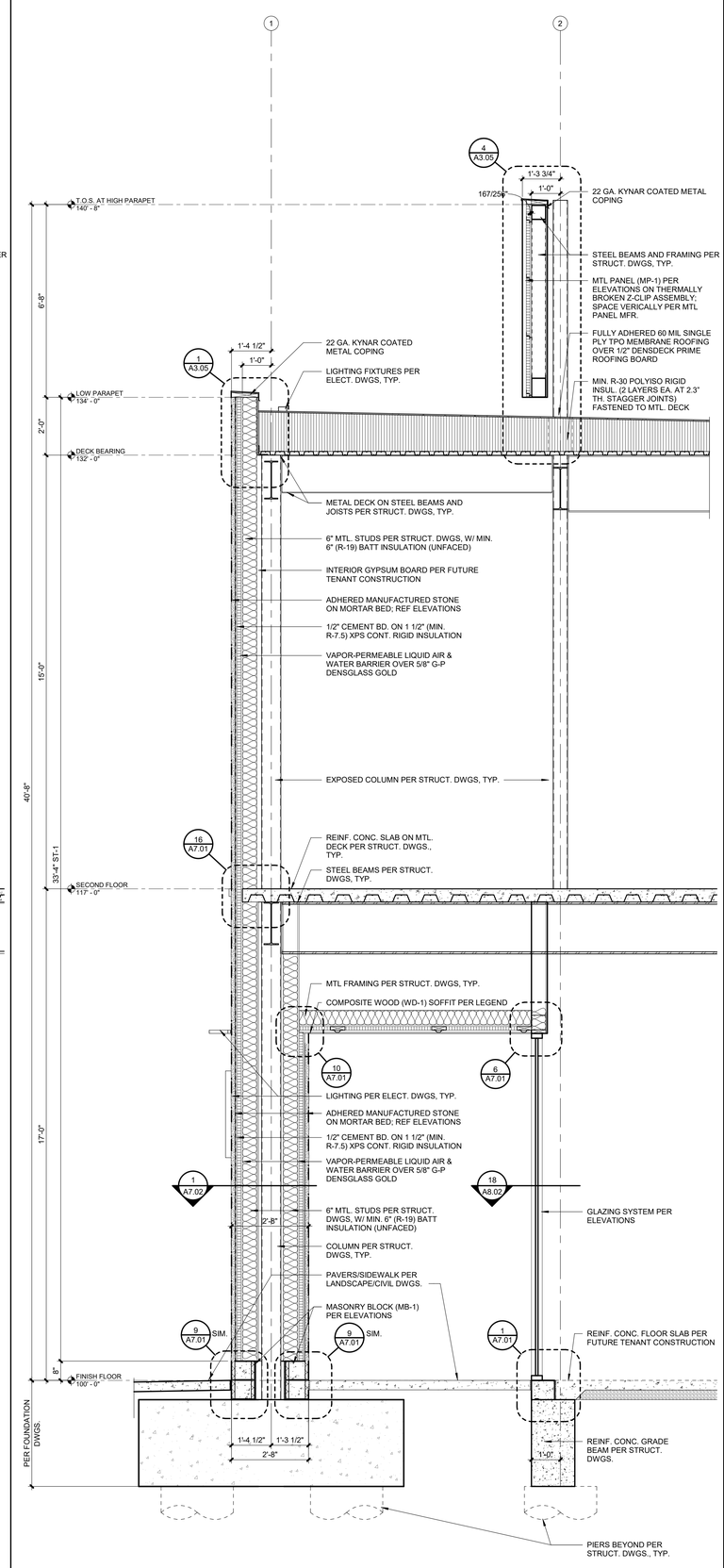
SHEET NUMBER

A5.06



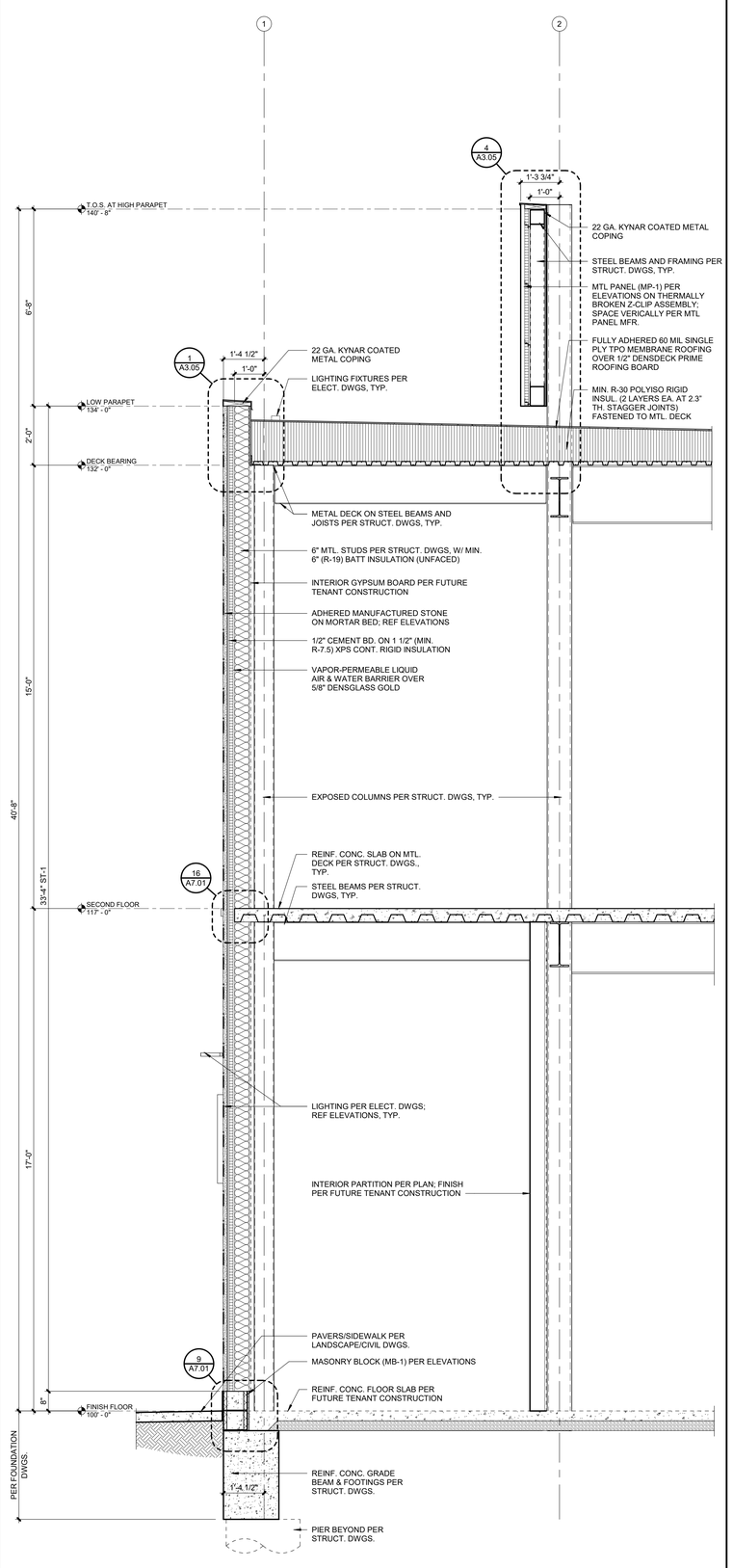

3 WALL SECTION

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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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

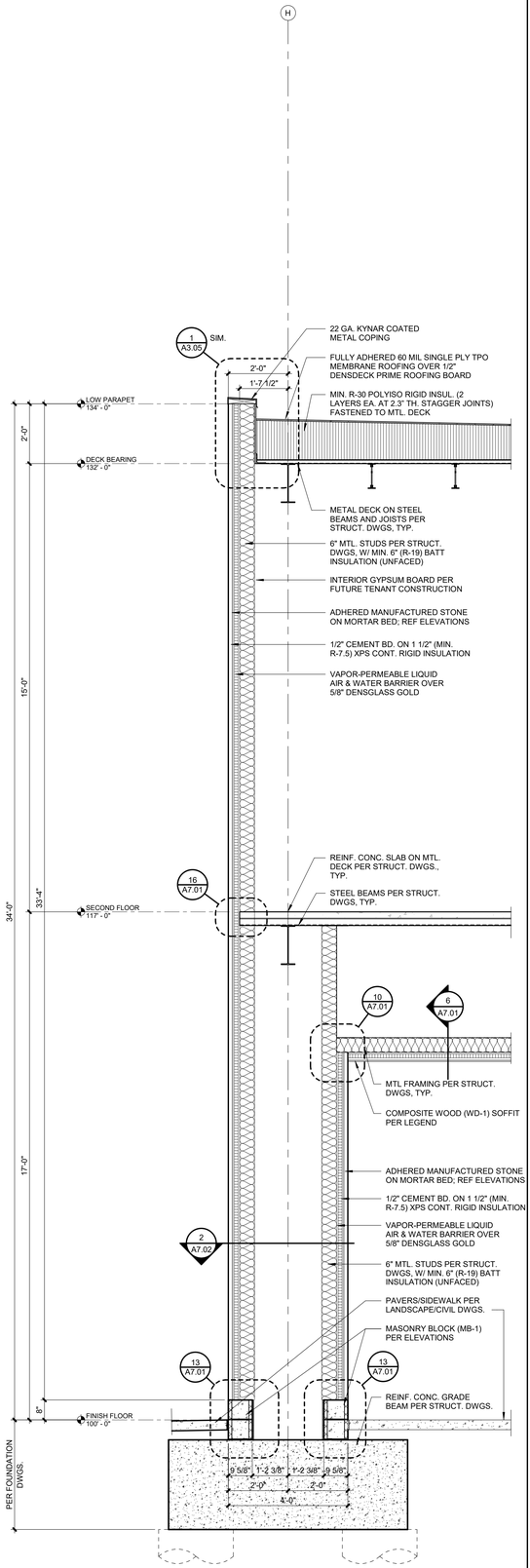
FINKLE + WILLIAMS
ARCHITECTURE
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

WALL SECTIONS

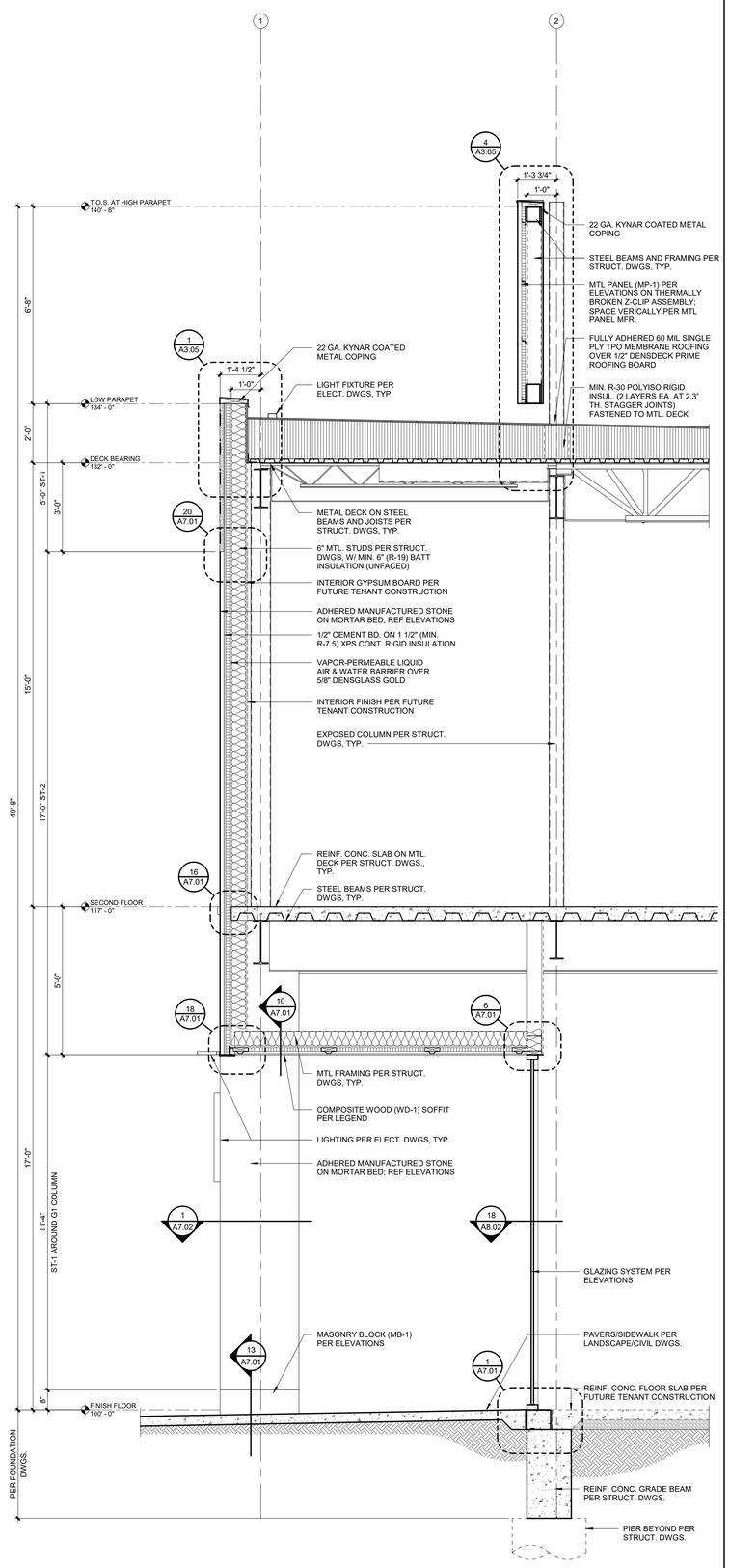
SHEET NUMBER

A5.07



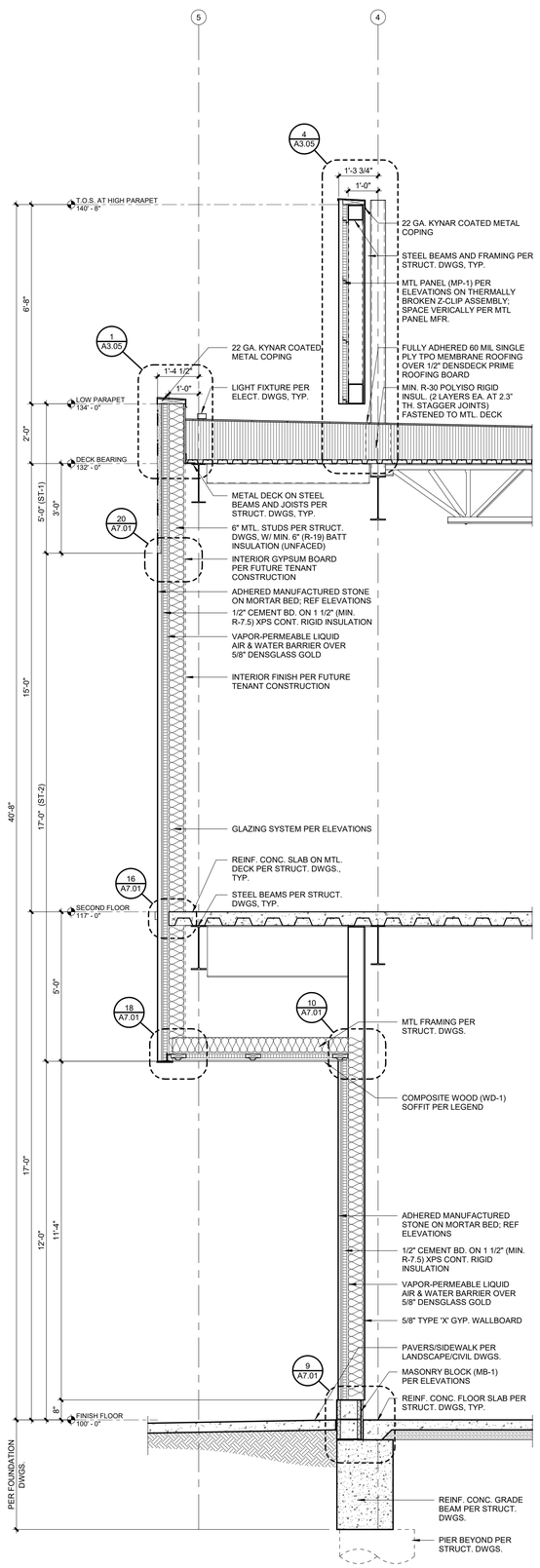

3 WALL SECTION

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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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

| | |
|---|---|
| ARCHITECT | FINKLE+WILLIAMS ARCHITECTURE |
| CIVIL | GBA |
| LANDSCAPE | LAND 3 |
| FOUNDATIONS | BSE STRUCTURAL ENGINEERS |
| STRUCTURAL | BSE STRUCTRAL ENGINEERS |
| PLUMBING | HENDERSON ENGINEERS |
| MECHANICAL | HENDERSON ENGINEERS |
| ELECTRICAL | HENDERSON ENGINEERS |
| FIRE PROTECTION | HENDERSON ENGINEERS |
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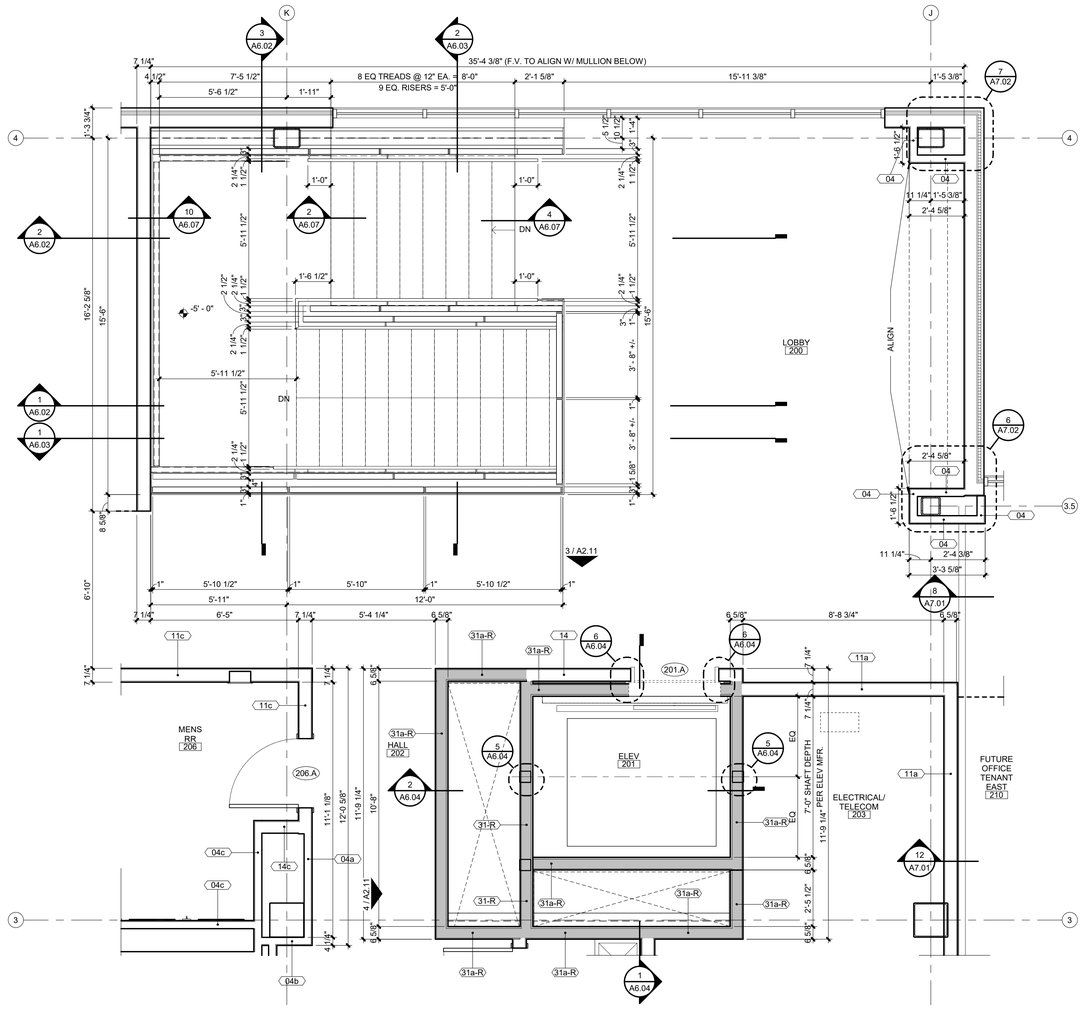
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

WALL SECTIONS

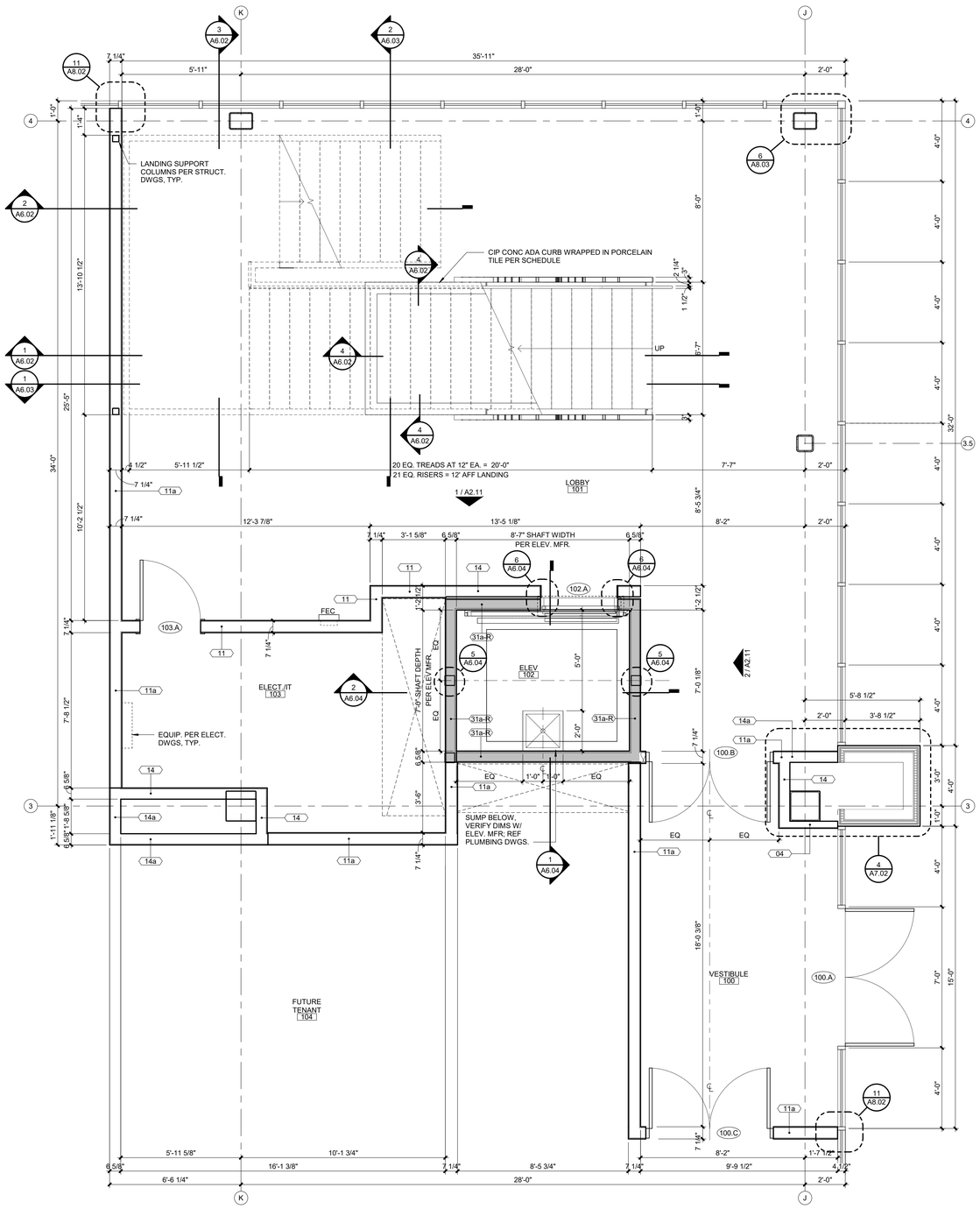
SHEET NUMBER

A5.08




2 | ENLARGED STAIR PLAN - SECOND LEVEL

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




1 | ENLARGED STAIR PLAN - FIRST LEVEL

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

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paragon star

# PARAGON STAR
# BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

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PROJECT TEAM

| | |
|---|---|
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| CIVIL | GBA |
| LANDSCAPE | LAND 3 |
| FOUNDATIONS | BSE STRUCTURAL ENGINEERS |
| STRUCTURAL | BSE STRUCTRAL ENGINEERS |
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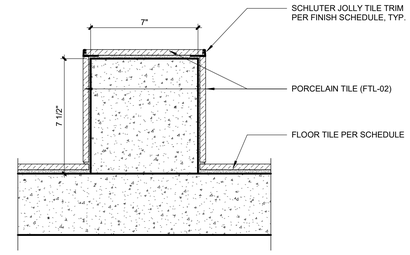
SHEET TITLE

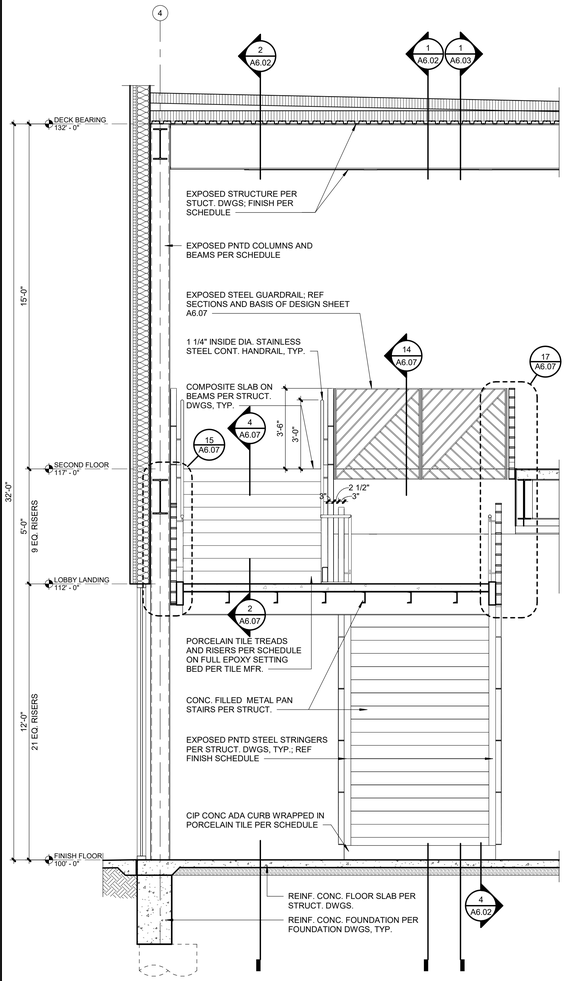
VERTICAL CIRCULATION

SHEET NUMBER

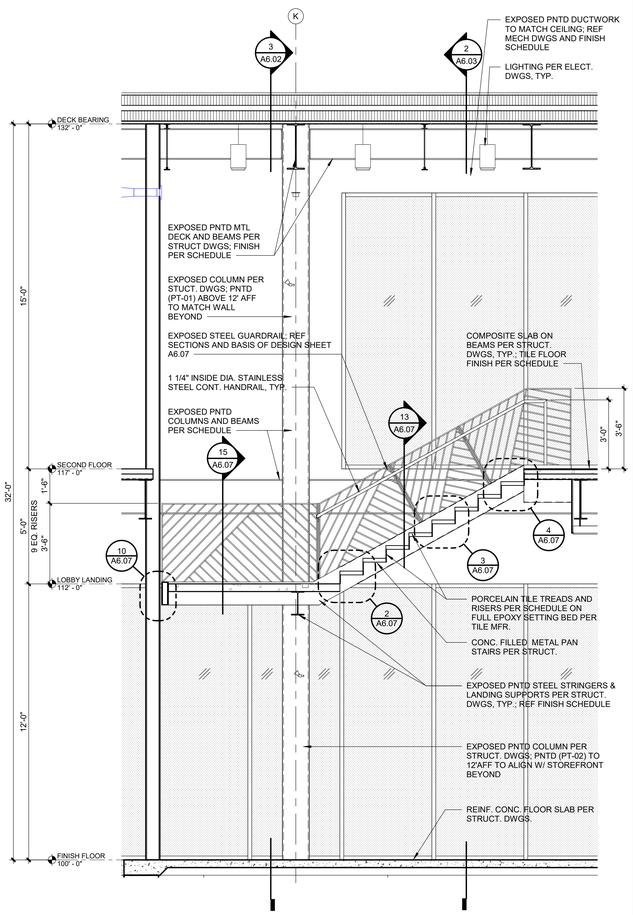
A6.01



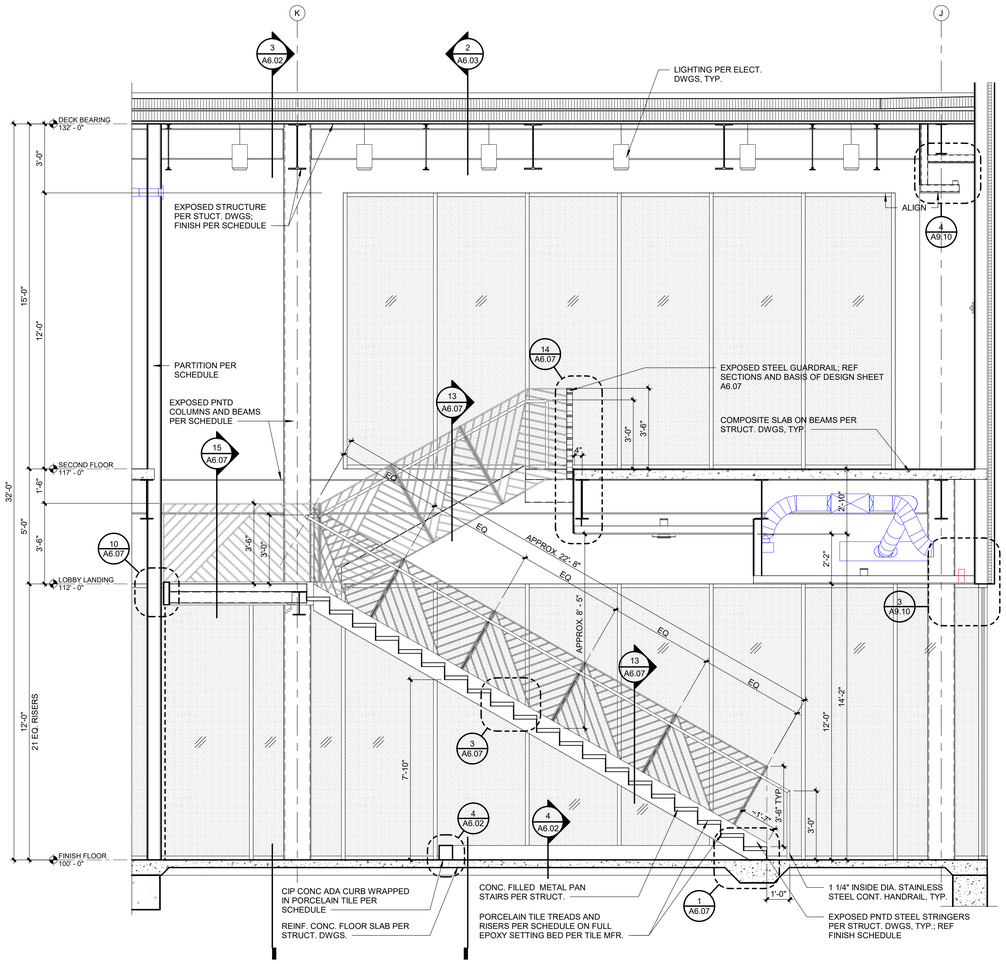

4 **A6.02** CURB DETAIL
SCALE : 3" = 1'-0"




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




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




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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

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05.06.22

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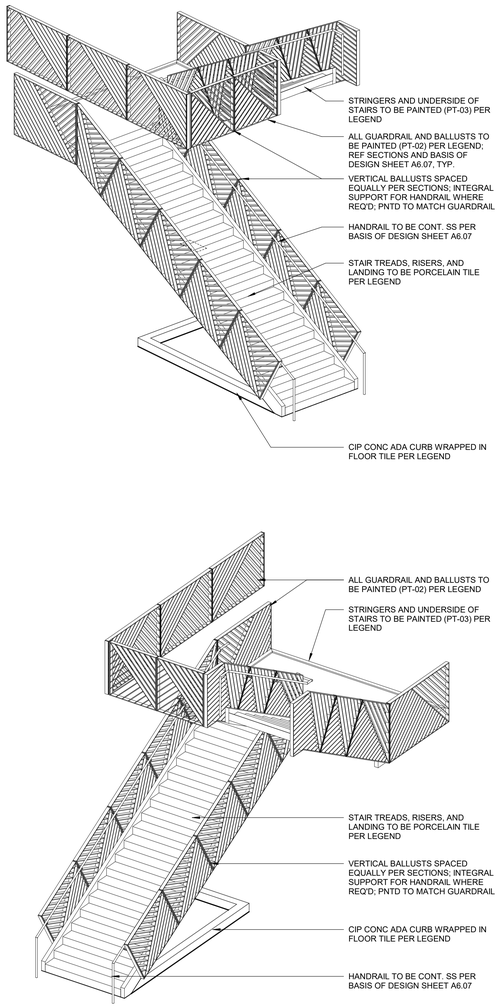
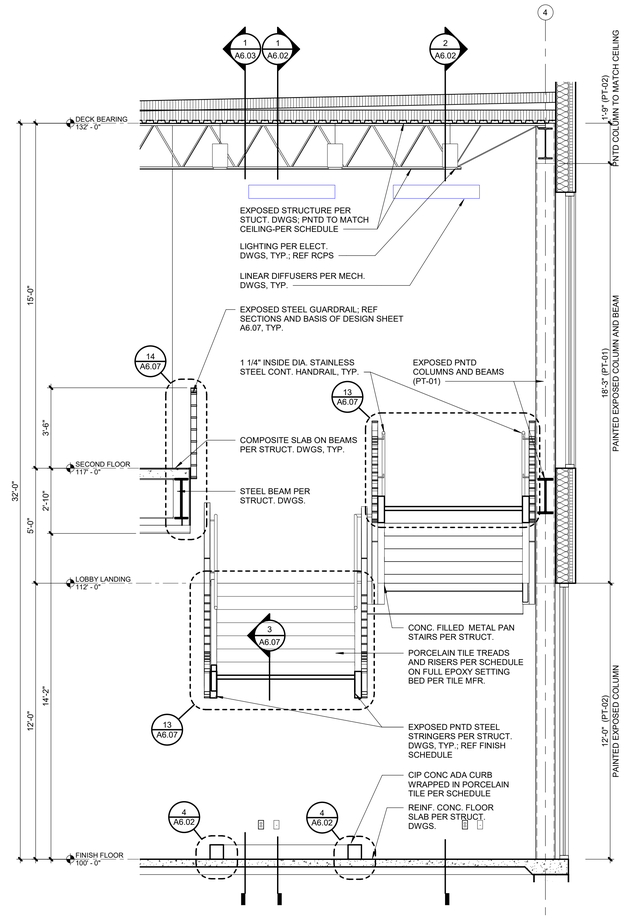
**INTERIOR STAIR RENDERINGS**

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




3 LOBBY STAIR AXON VIEWS
A6.03 SCALE :




2 STAIR SECTION
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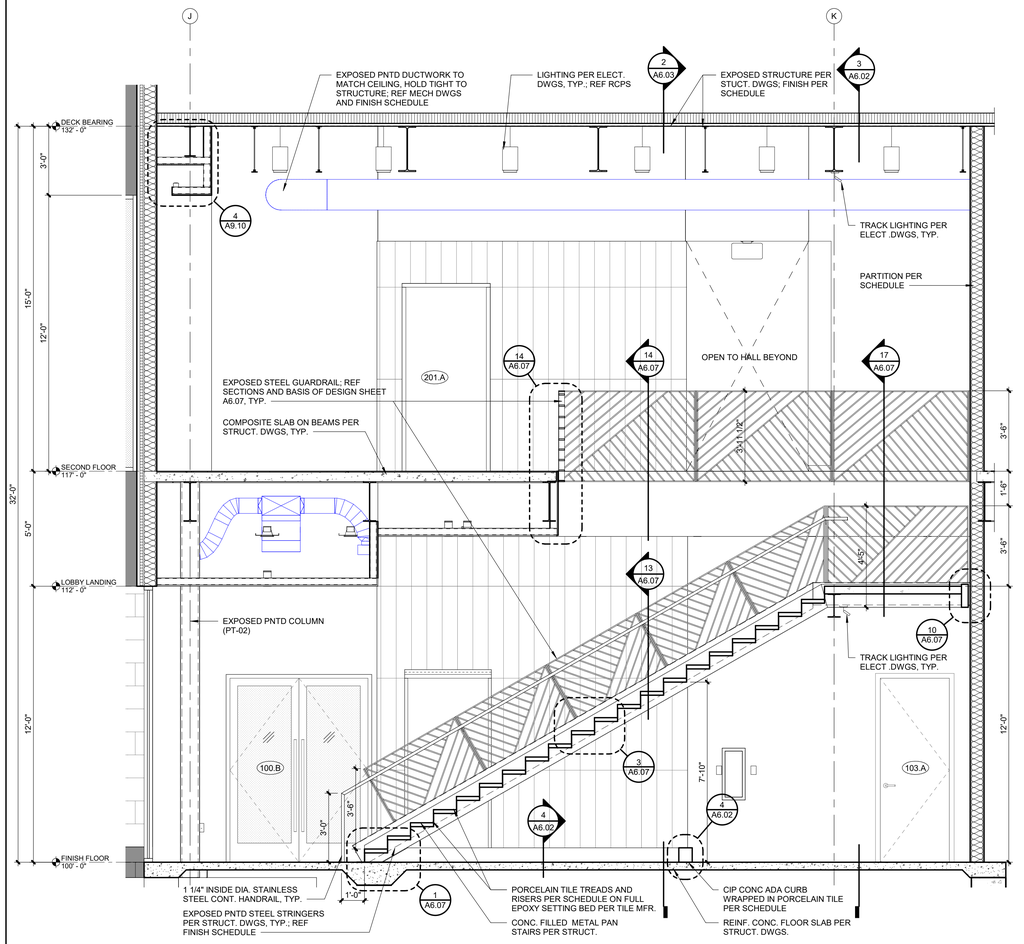


1 STAIR SECTION
A6.03 SCALE : 3/8" = 1'-0"

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paragon star

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SHEET NUMBER

A6.03

## ELEVATOR BASIS OF DESIGN:

KONE MONOSPACE 500
9'-0" HIGH CAB, 8'-0" H. DOOR
3500 LB CAPACITY, PASSENGER, FRONT OPENING

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

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

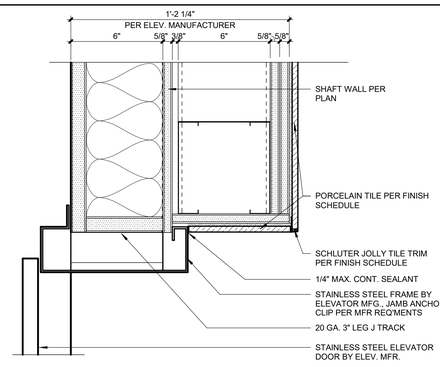
SIDE WALLS: FLEMISH LINEN TEXTURED STAINLESS STEEL (TS2)

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

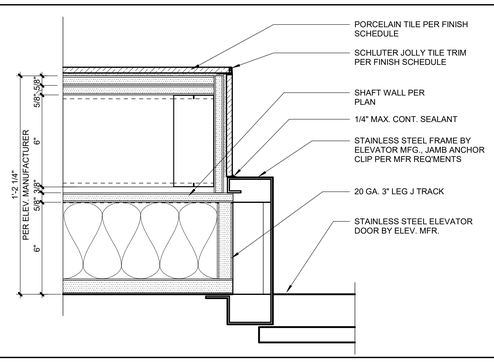
HANDRAIL: ROUND, STRAIGHT ENDS (HR61) BRUSHED STAINLESS STEEL (4SS)

SKIRTING (BRUSHED STAINLESS STEEL (4SS)

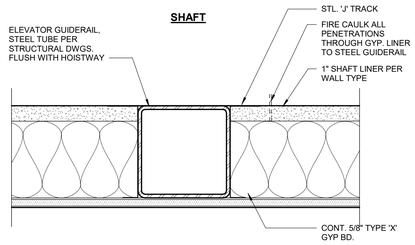
FLOOR: TILE PER FINISH SCHEDULE




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




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




5 SHAFT WALL RAIL SUPPORT
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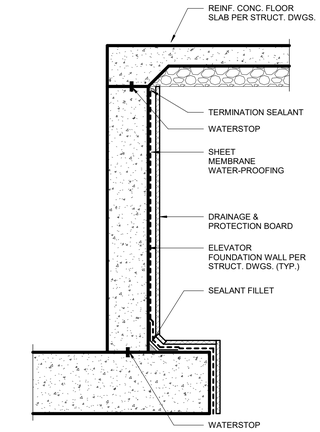
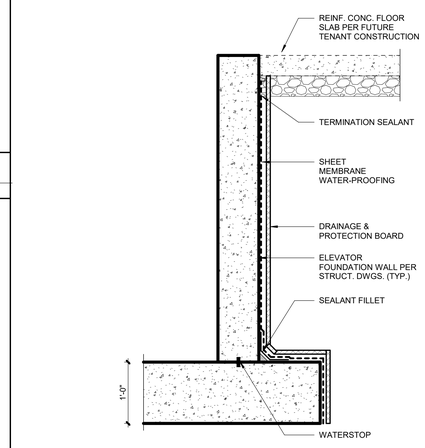
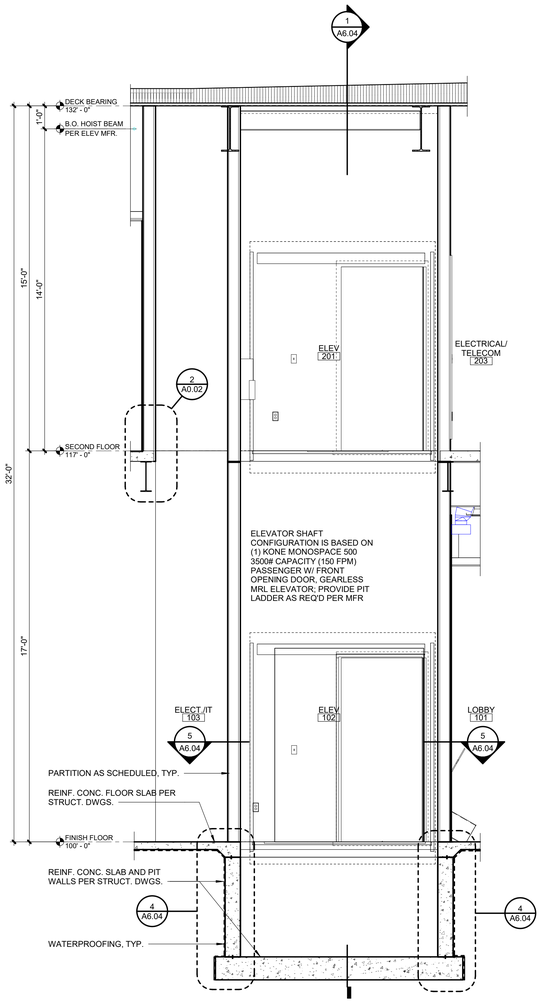


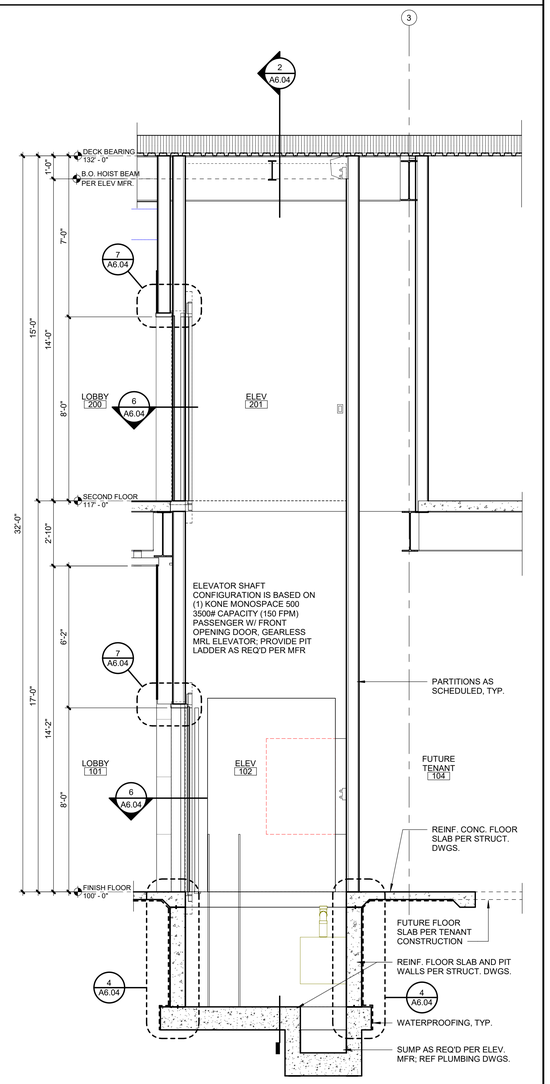

4 ELEV. PIT WATERPROOFING
A6.04 SCALE : 1" = 1'-0"




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




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




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

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paragon star

# PARAGON STAR
# BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
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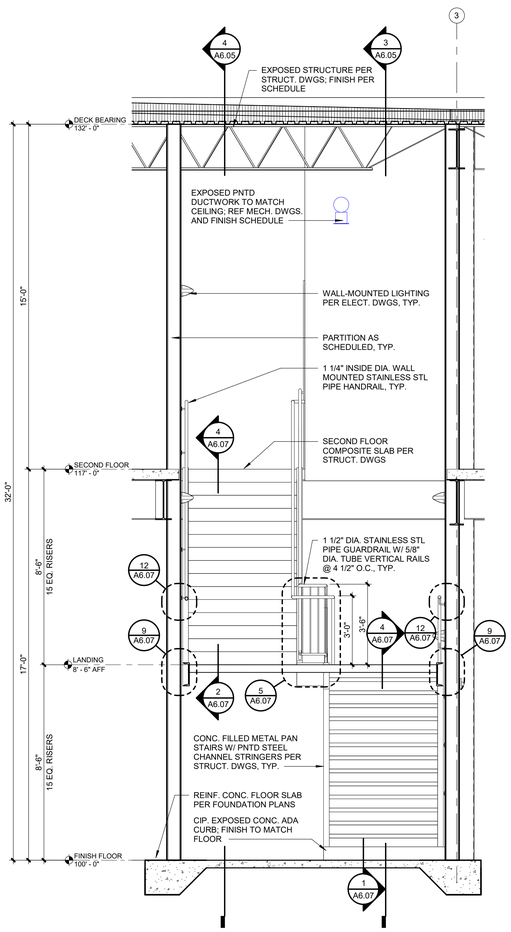
SHEET TITLE

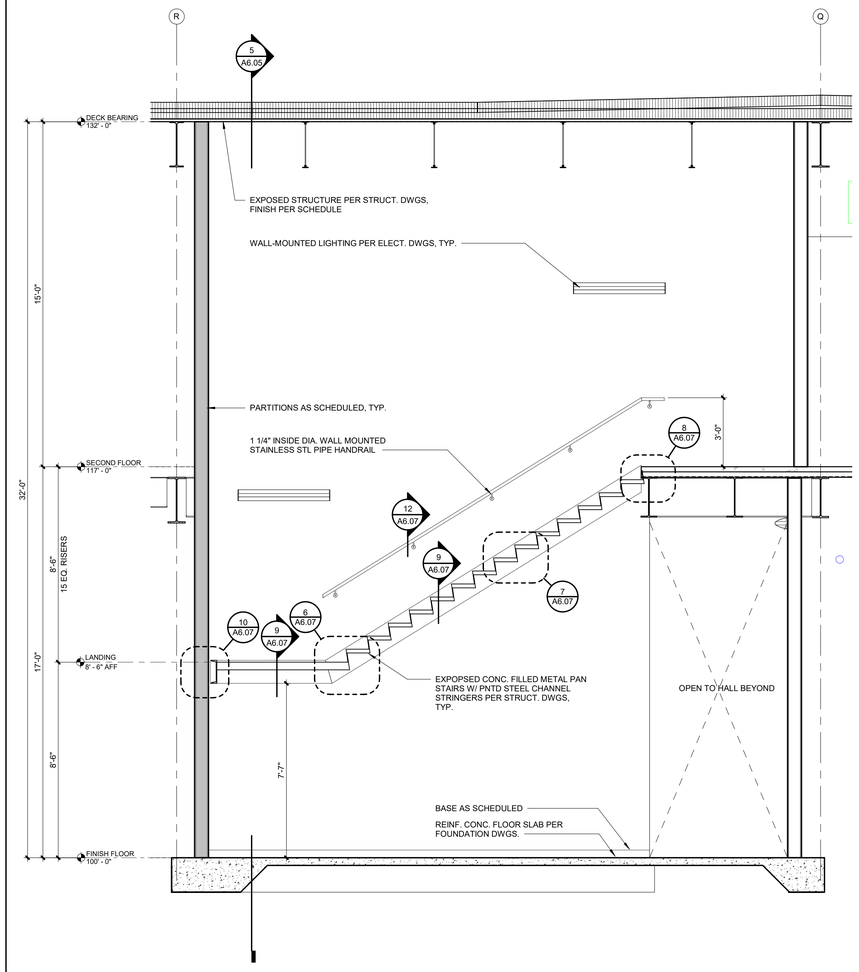
VERTICAL CIRCULATION

SHEET NUMBER

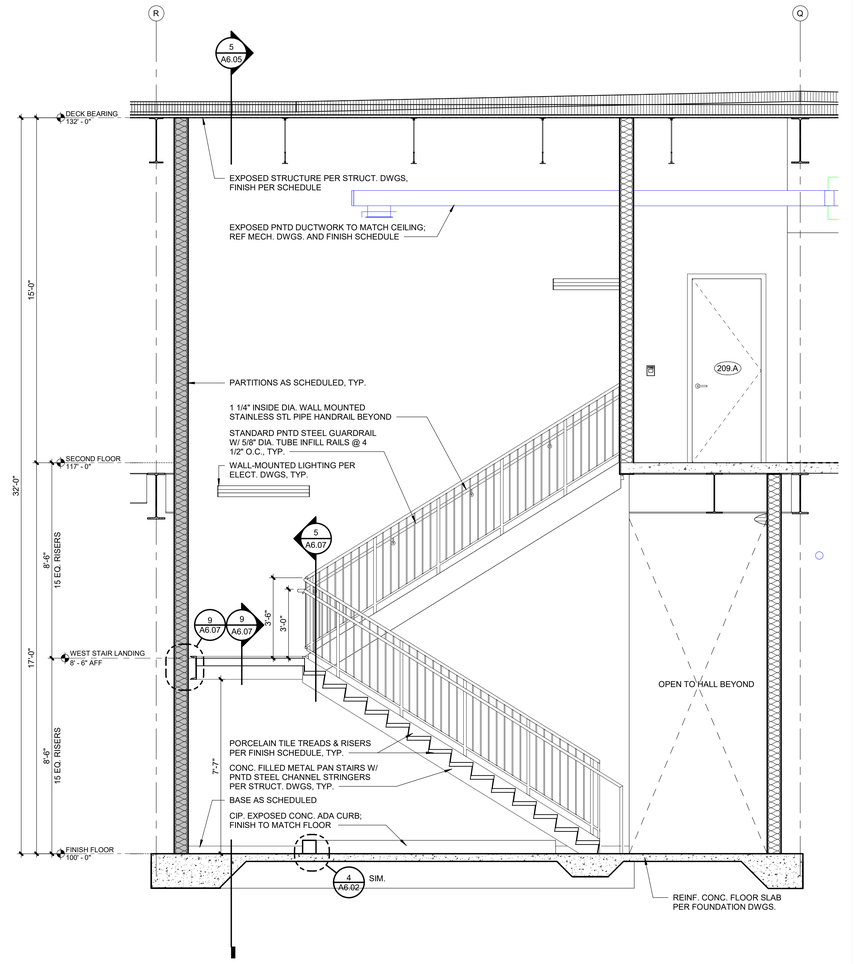
A6.04




| 5 | STAIR SECTION |
|---|---|
| A6.05 | SCALE : 3/8" = 1'-0" |




| 4 | STAIR SECTION |
|---|---|
| A6.05 | SCALE : 3/8" = 1'-0" |

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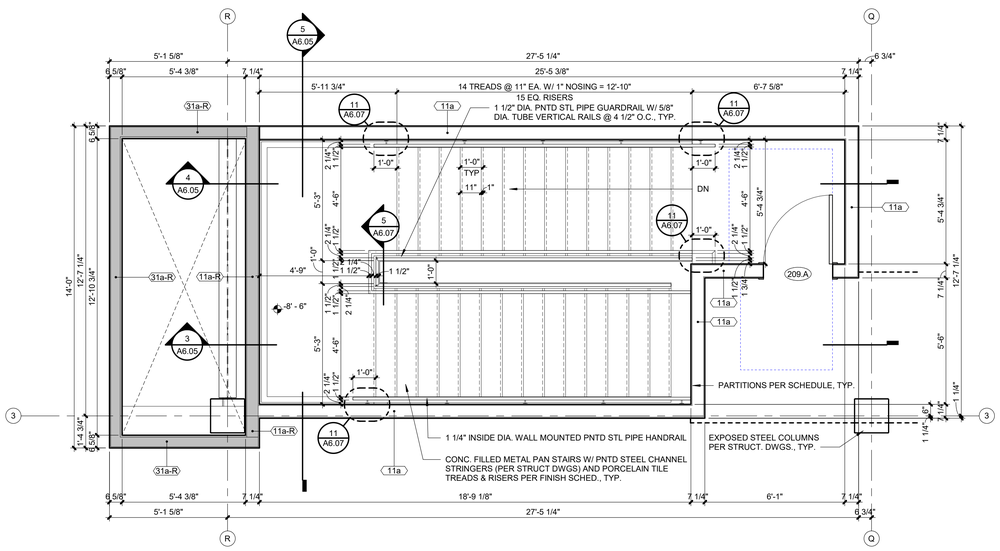
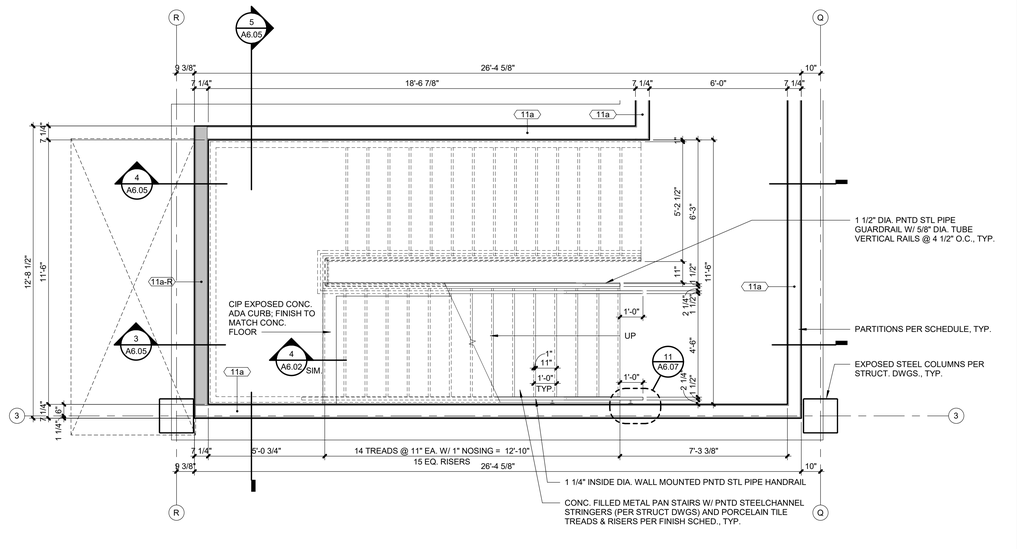
|---|---|
| A6.05 | SCALE : 3/8" = 1'-0" |




| 2 | WEST STAIR 2ND FLOOR PLAN |
|---|---|
| A6.05 | SCALE : 3/8" = 1'-0" |




| 1 | WEST STAIR FIRST FLOOR PLAN |
|---|---|
| A6.05 | SCALE : 3/8" = 1'-0" |

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# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

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SHEET TITLE

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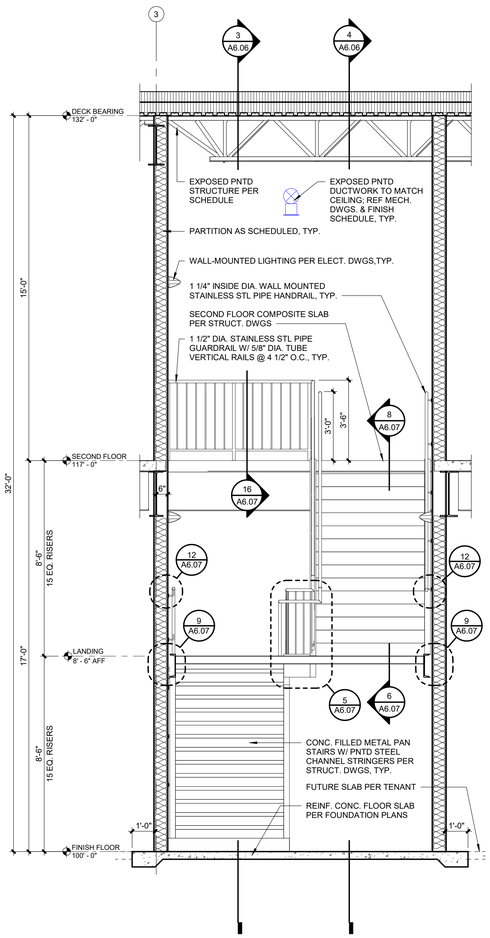
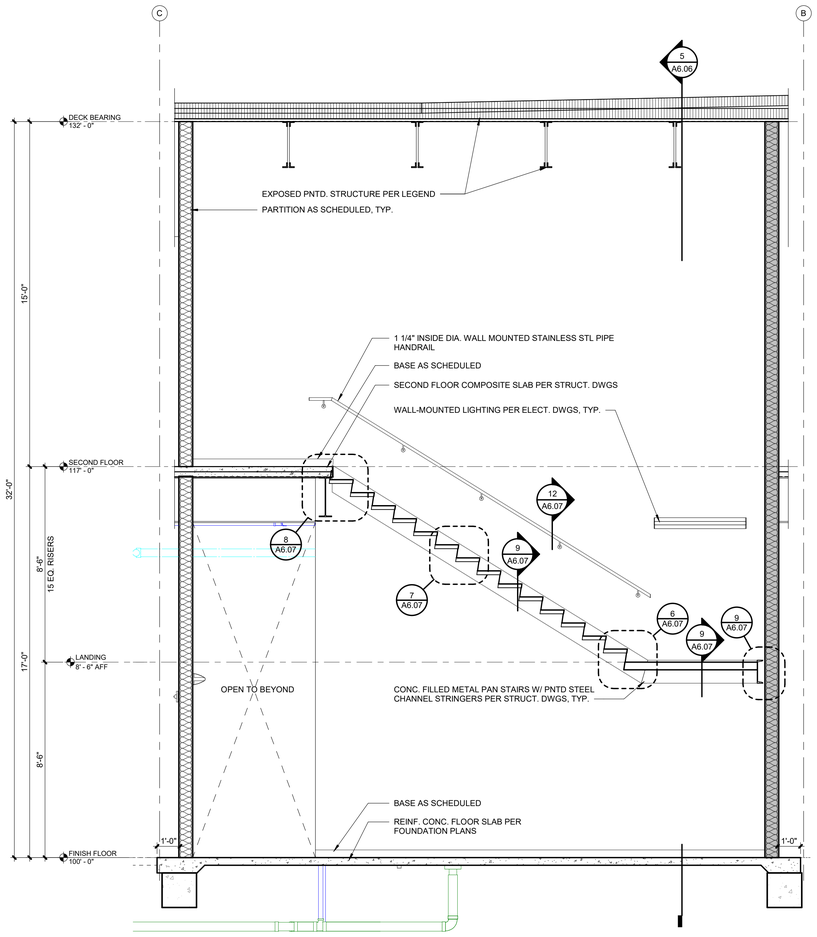


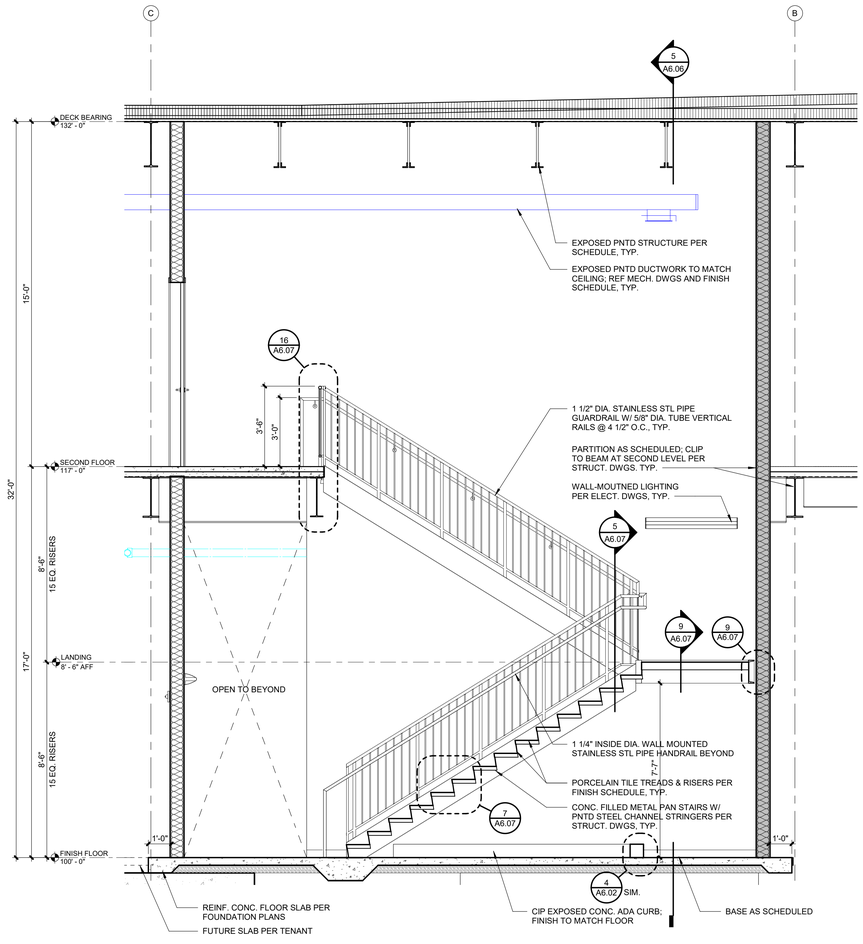

5 STAIR SECTION

A6.06 SCALE : 3/8" = 1'-0"



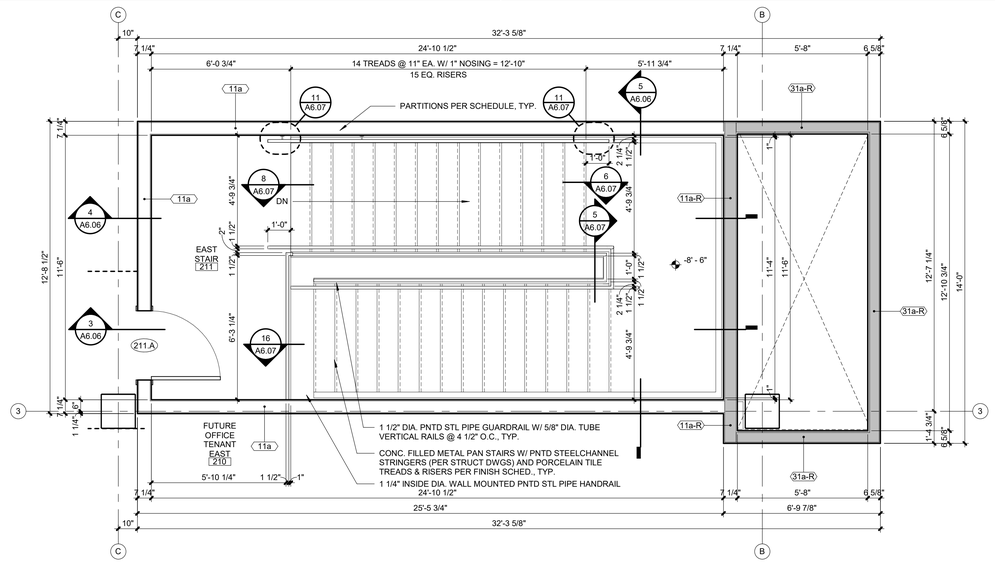

4 STAIR SECTION

A6.06 SCALE : 3/8" = 1'-0"



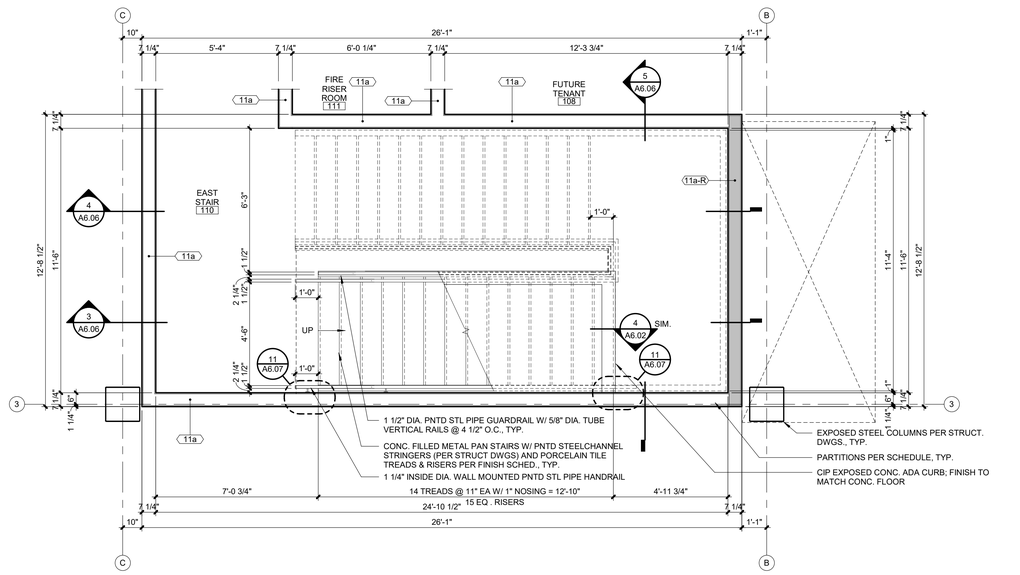

3 STAIR SECTION

A6.06 SCALE : 3/8" = 1'-0"




2 EAST STAIR 2ND LEVEL PLAN

A6.06 SCALE : 3/8" = 1'-0"




1 EAST STAIR 1ST FLOOR PLAN

A6.06 SCALE : 3/8" = 1'-0"

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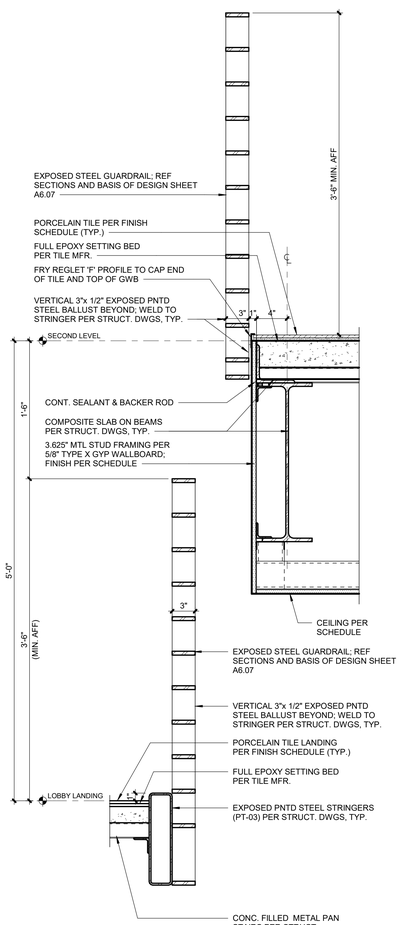
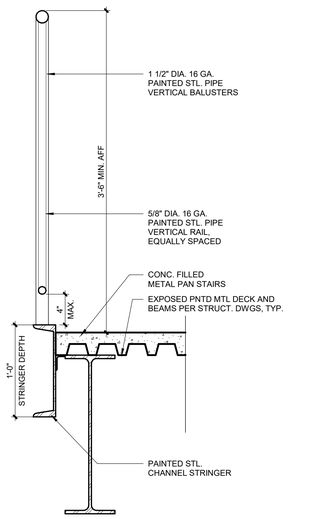


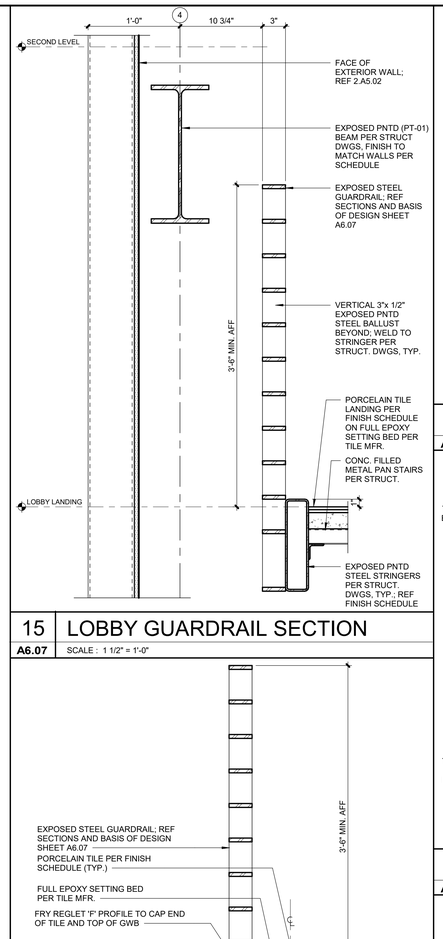

**LOBBY GUARDRAIL BASIS OF DESIGN:** CUSTOM WELDED EXPOSED STEEL GUARDRAIL

- 3"X1/2" WELDED STEEL FLAT STOCK FRAME W/ 3"X1/2" FLAT STOCK DIAGONAL RAILS PER SECTIONS SPACED MAX. 4.5" O.C.
- VERTICAL 3"X1/2" BALLUSTS SPACED EQUALLY, WELDED TO STRINGERS
- ALL WELDS TO BE CLASS 'A' BLENDED AND POLISHED SMOOTH
- FINISH: BLACKENED ZINC PATINA FINISH OR APPROVED EQ. WAX TO PROTECT
- HANDRAIL: CONT. STAINLESS STEEL W/ 1.25" INSIDE DIAMETER; MOUNT TO VERTICAL BALLASTS

## 17 LOBBY GUARDRAIL SECTION
A6.07 SCALE : 1 1/2" = 1'-0"



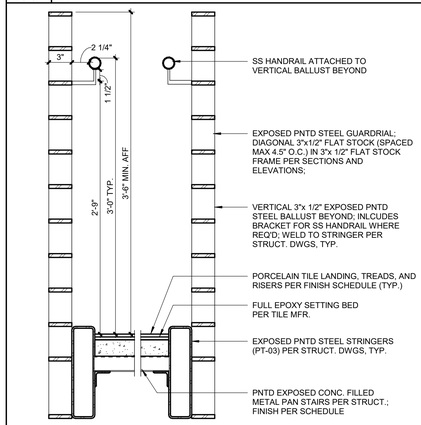

## 16 GUARDRAIL SECTION - E&W
A6.07 SCALE : 1 1/2" = 1'-0"



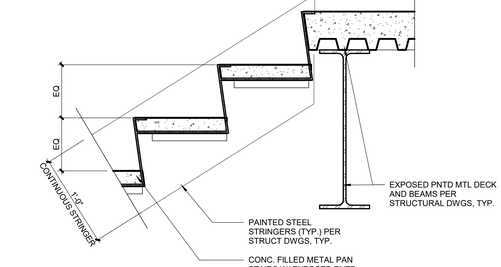

## 15 LOBBY GUARDRAIL SECTION
A6.07 SCALE : 1 1/2" = 1'-0"




## 14 LOBBY GUARDRAIL SECTION
A6.07 SCALE : 1 1/2" = 1'-0"



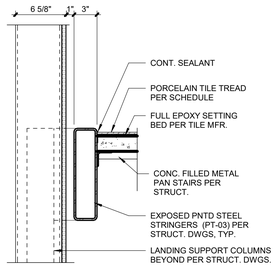

## 13 LOBBY GUARDRAIL SECTION
A6.07 SCALE : 1 1/2" = 1'-0"



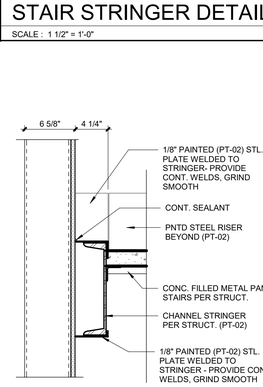

## 12 HANDRAIL DETAIL
A6.07 SCALE : 3" = 1'-0"




## 11 HANDRAIL EXTENSION
A6.07 SCALE : 1 1/2" = 1'-0"



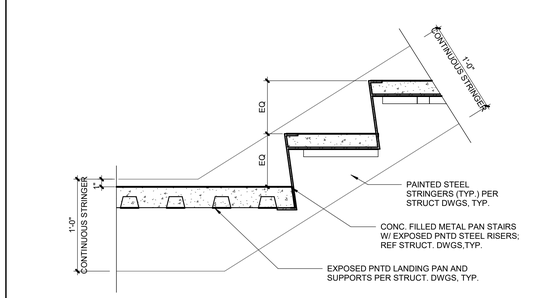

## 10 STAIR STRINGER DETAIL
A6.07 SCALE : 1 1/2" = 1'-0"



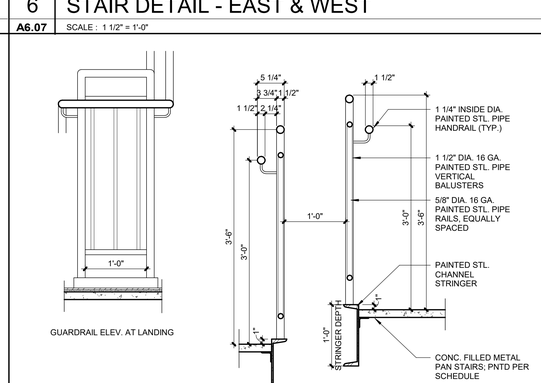

## 9 STAIR STRINGER DETAIL
A6.07 SCALE : 1 1/2" = 1'-0"



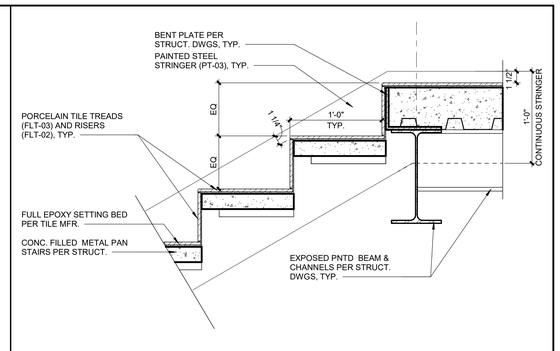

## 8 STAIR DETAIL - EAST & WEST
A6.07 SCALE : 1 1/2" = 1'-0"




## 6 STAIR DETAIL - EAST & WEST
A6.07 SCALE : 1 1/2" = 1'-0"



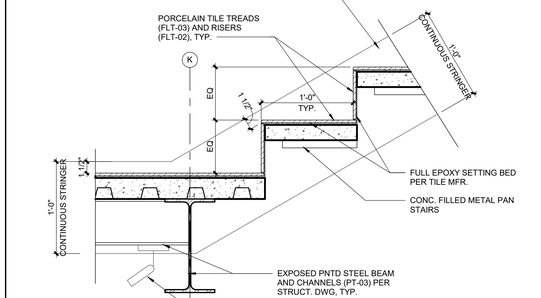

## 5 GUARDRAIL SECTION
A6.07 SCALE : 1" = 1'-0"



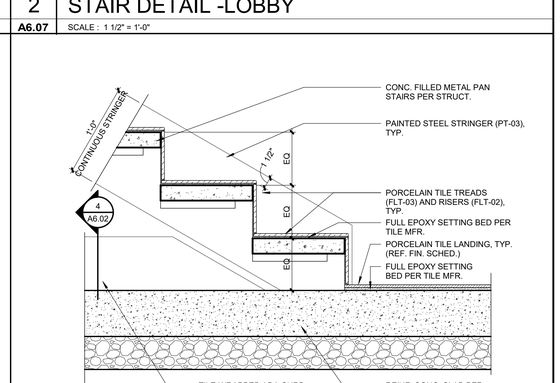

## 4 STAIR DETAIL - LOBBY
A6.07 SCALE : 1 1/2" = 1'-0"




## 3 STAIR DETAIL - LOBBY
A6.07 SCALE : 1 1/2" = 1'-0"




## 2 STAIR DETAIL -LOBBY
A6.07 SCALE : 1 1/2" = 1'-0"




## 1 STAIR DETAIL - LOBBY
A6.07 SCALE : 1 1/2" = 1'-0"



paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT
05.06.22

PROJECT TEAM

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

FINKLE + WILLIAMS
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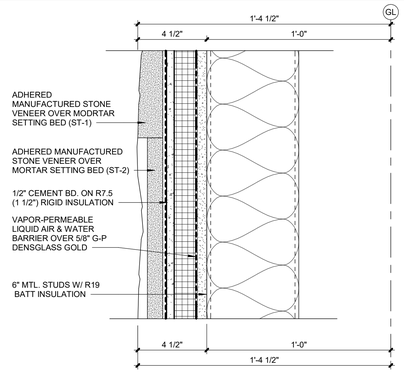
SHEET TITLE

VERTICAL CIRCULATION DETAILS

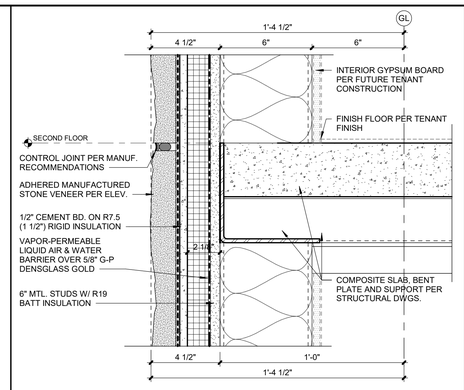
SHEET NUMBER

A6.07



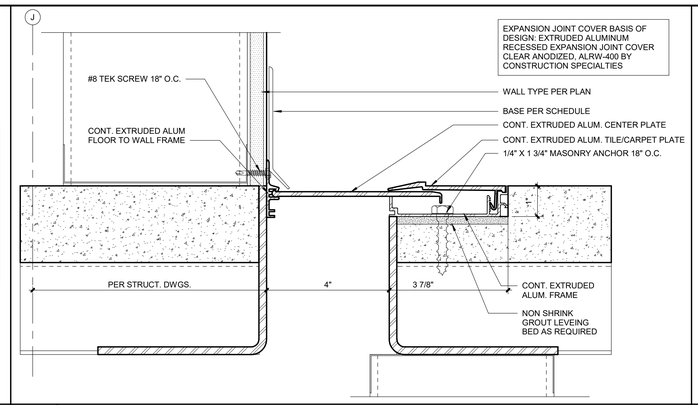

## 20 TRANSITION DETAIL

A7.01 SCALE : 3" = 1'-0"



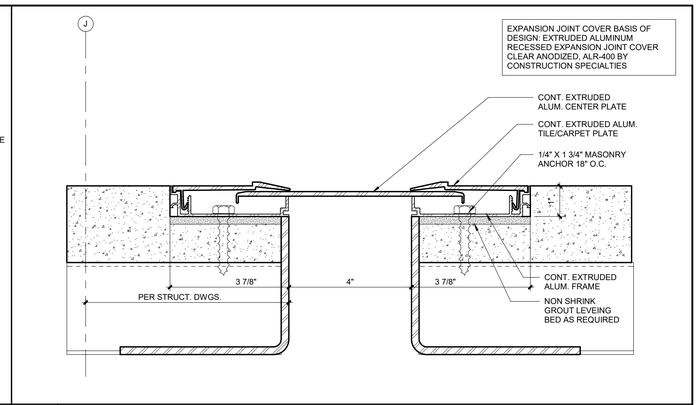

## 16 DETAIL

A7.01 SCALE : 3" = 1'-0"



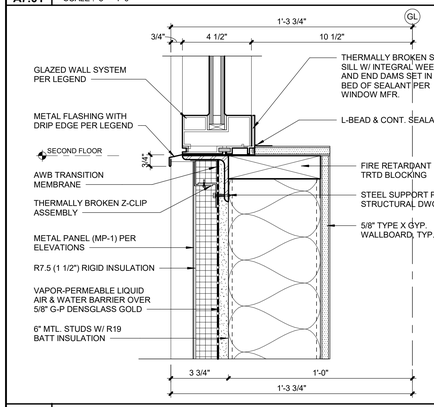

## 12 EXP. JOINT FLOOR TO WALL

A7.01 SCALE : 6" = 1'-0"



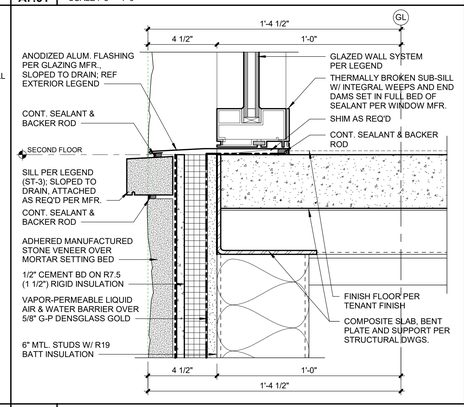

## 8 EXP. JOINT FLOOR TO FLOOR

A7.01 SCALE : 6" = 1'-0"



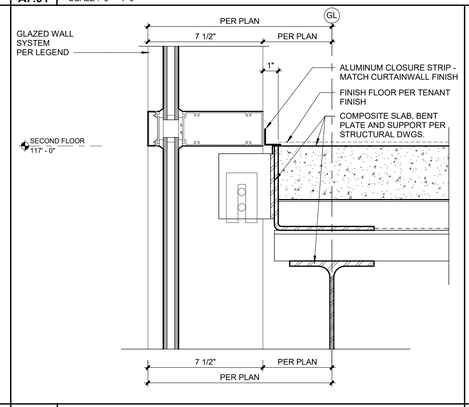

## 19 SILL DETAIL

A7.01 SCALE : 3" = 1'-0"



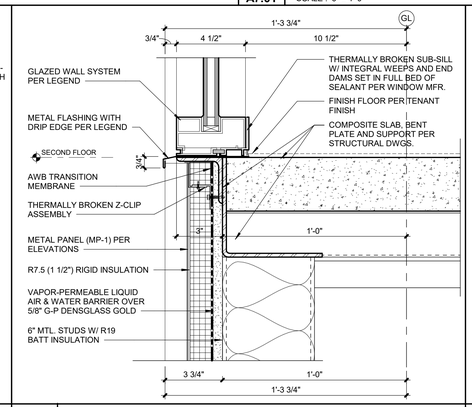

## 15 SILL DETAIL

A7.01 SCALE : 3" = 1'-0"



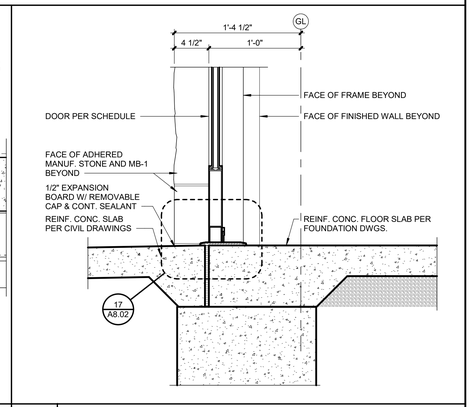

## 11 DETAIL

A7.01 SCALE : 3" = 1'-0"



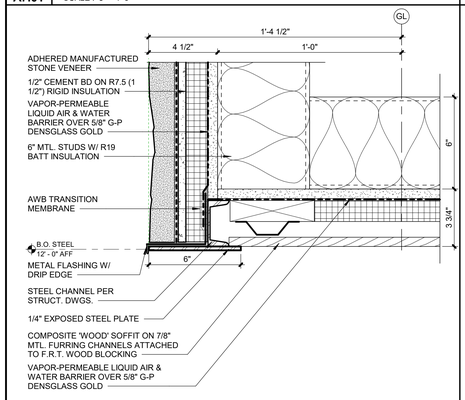

## 7 SILL DETAIL

A7.01 SCALE : 3" = 1'-0"



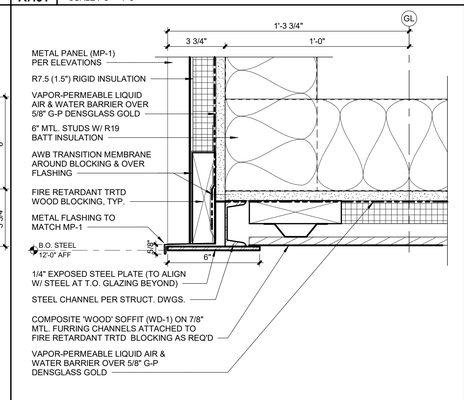

## 3 FOUNDATION DETAIL

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



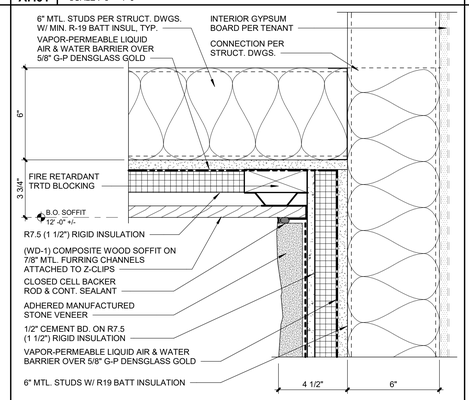

## 18 SOFFIT DETAIL

A7.01 SCALE : 3" = 1'-0"



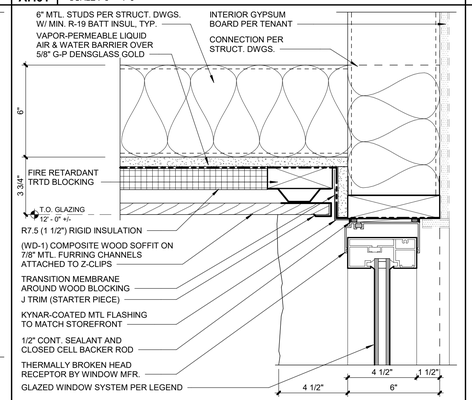

## 14 SOFFIT DETAIL

A7.01 SCALE : 3" = 1'-0"



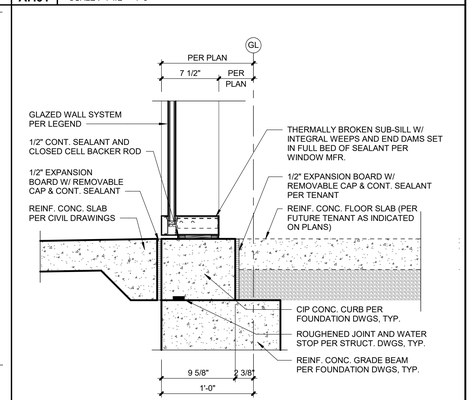

## 10 SOFFIT DETAIL

A7.01 SCALE : 3" = 1'-0"



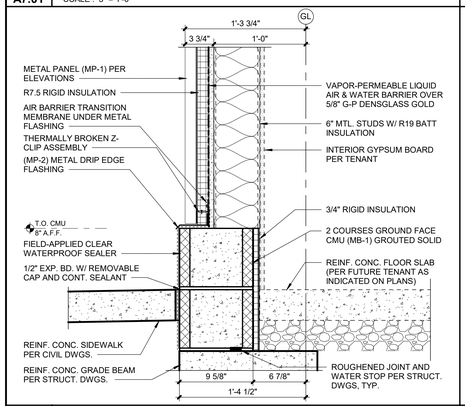

## 6 SOFFIT DETAIL

A7.01 SCALE : 3" = 1'-0"



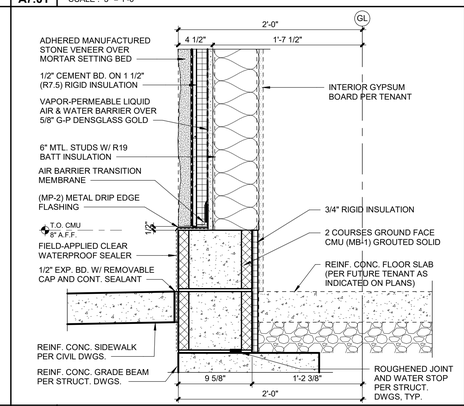

## 2 FOUNDATION DETAIL

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



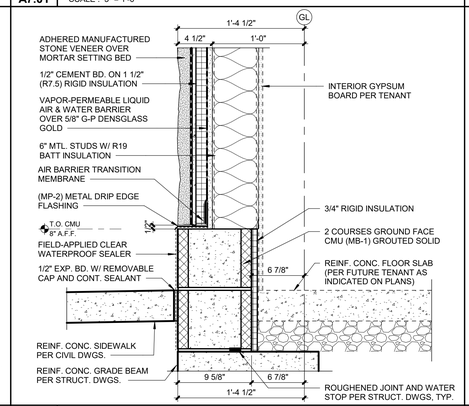

## 17 FOUNDATION DETAIL

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



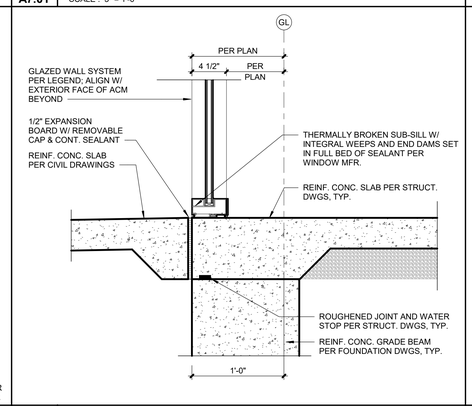

## 13 FOUNDATION DETAIL

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



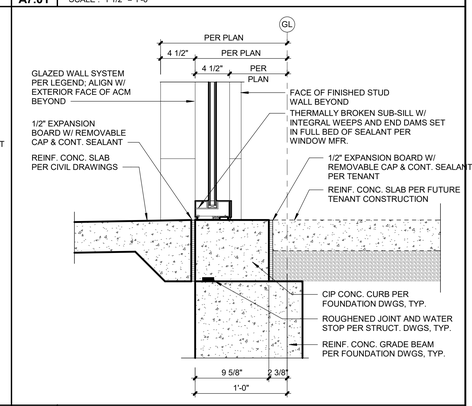

## 9 FOUNDATION DETAIL

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"

C:\Users\Jessica\Documents\Paragon Star_Bldg2Lot9_R21-Central_jreedshultz@finklewilliams.com.rvt

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

FINKLE + WILLIAMS ARCHITECTURE
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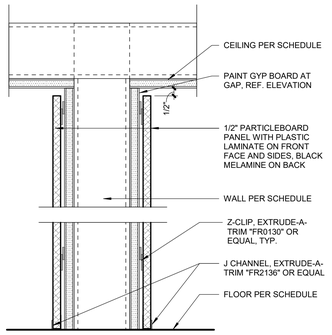
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

DETAILS

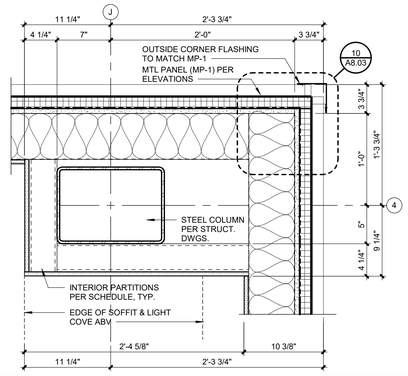
SHEET NUMBER

A7.01



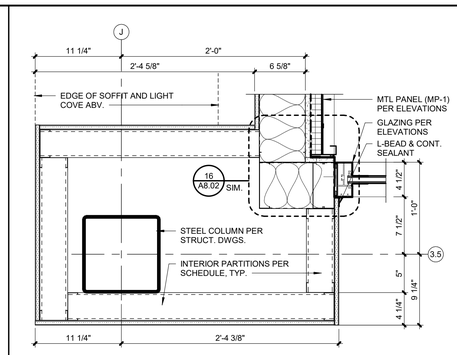

## 10 RESTROOM WALL PANEL DETAIL

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



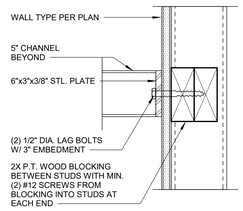

## 7 PLAN DETAIL

A7.02 SCALE : 1 1/2" = 1'-0"



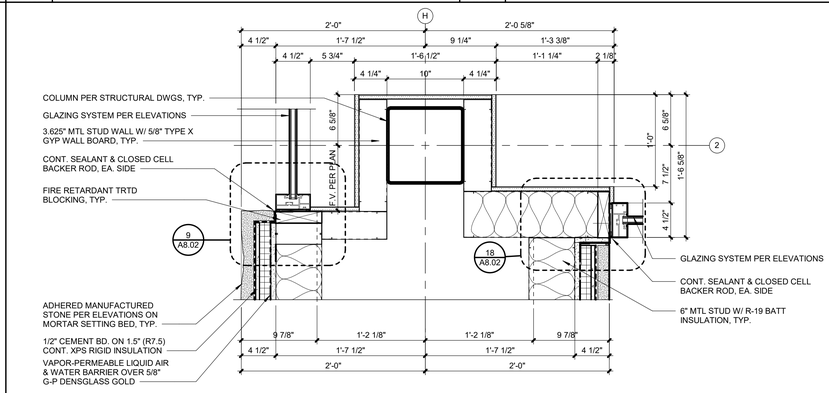

## 6 PLAN DETAIL

A7.02 SCALE : 1 1/2" = 1'-0"



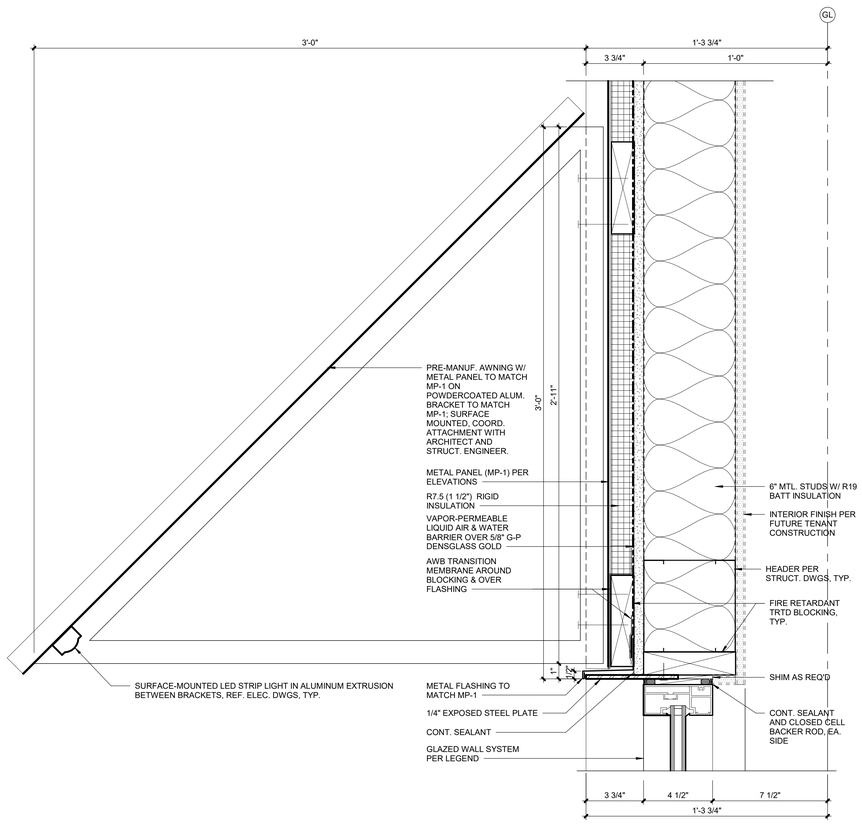

## 9 VANITY SUPPORT DETAIL

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



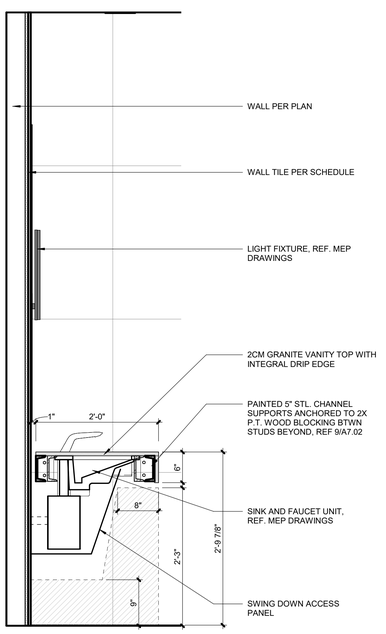

## 5 PLAN DETAIL

A7.02 SCALE : 1 1/2" = 1'-0"



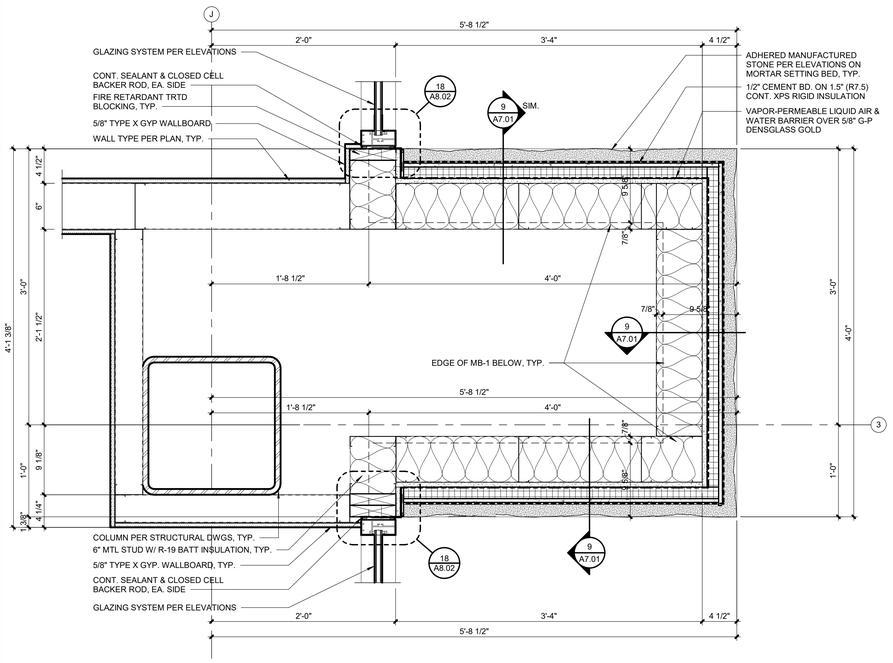

## 3 TYPICAL AWNING DETAIL

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



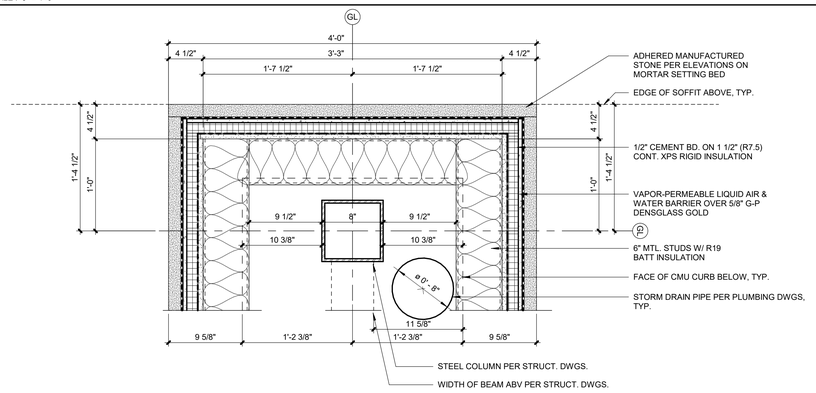

## 8 VANITY SECTION

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



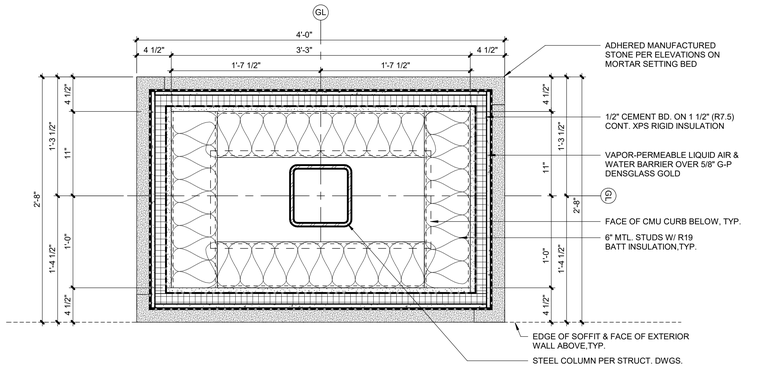

## 4 PLAN DETAIL

A7.02 SCALE : 1 1/2" = 1'-0"




## 2 PLAN DETAIL

A7.02 SCALE : 1 1/2" = 1'-0"




## 1 PLAN DETAIL

A7.02 SCALE : 1 1/2" = 1'-0"

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
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REGISTRATION

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

05.06.22

PROJECT TEAM

| | |
|---|---|
| ARCHITECT | FINKLE+WILLIAMS ARCHITECTURE |
| CIVIL | GBA |
| LANDSCAPE | LAND 3 |
| FOUNDATIONS | BSE STRUCTURAL ENGINEERS |
| STRUCTURAL | BSE STRUCTRAL ENGINEERS |
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| CONTRACTOR | FOGEL-ANDERSON |

FINKLE + WILLIAMS
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LENEXA, KANSAS 66219
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www.finklewilliams.com

SHEET TITLE

DETAILS

SHEET NUMBER

A7.02

# HARDWARE SETS

SEE SPECIFICATIONS FOR DETAILED HARDWARE INFORMATION.

**GENERAL NOTES:**

1. ALL HARDWARE SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
2. ALL DOOR HARDWARE SHALL BE FINISH US514 IRON BLACK 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.

## (LK) INTERIOR LOCKSETS

**SET # LK.1** (INTERIOR SINGLE W/ LOCK)
- HINGES
- LOCKSET
- WALL STOP
- SILENCERS

**SET # LK.2** (INTERIOR SINGLE W/ LOCK & CLOSER)
- HINGES
- LOCKSET
- CLOSER
- WALL STOP
- SILENCERS

**SET # LK.3** (INTERIOR SINGLE W/ LOCK & FIRE RATING)
- HINGES
- LOCKSET
- CLOSER
- WALL STOP
- SMOKE GASKET

**SET # LK.8** (INTERIOR SINGLE W/ ELECTRIC STRIKE)
- HINGES
- LOCKSET
- CLOSER
- WALL STOP
- SILENCERS
- CARD READER, PROXIMITY DETECTOR, OR KEYPAD (BY OWNER)
- ELECTRIC STRIKE (FAIL SECURE)
- BATTERY BACKUP FOR CARD READER & ELECTRIC STRIKE

**SET # LK.9** (INTERIOR SINGLE W/ MAGLOCKS)
- HINGES
- LOCKSET
- CLOSER
- WALL STOP
- SILENCERS
- CARD READER, PROXIMITY DETECTOR, OR KEYPAD (BY OWNER)
- MAGNETIC LOCK W/ MOTION DETECTOR (FAIL SECURE)
- PUSH TO EXIT DEVICE
- BATTERY BACKUP FOR MAGNETIC LOCK, CARD READER & PUSH TO EXIT

**SET # LK.10** (INTERIOR TEMP. GLASS W/ MAGLOCK)
- PIVOTS
- HEADRAIL
- CLOSER
- PULLS
- CARD READER (BY OWNER)
- MAGNETIC LOCK W/ MOTION DETECTOR (FAIL SECURE)
- PUSH TO EXIT DEVICE
- BATTERY BACKUP FOR MAGNETIC LOCK, CARD READER & PUSH TO EXIT

**SET # LK.11** (INTERIOR SINGLE TOILET PARTITION)
- HINGES
- SPRING HINGE
- CYLINDER TURN DEAD LOCK
- MORTISE CYLINDER COIN TURN
- OCCUPANCY INDICATOR
- LONG DOOR PULL
- WALL STOP
- SILENCERS

## (LA) INTERIOR LATCHSETS

**SET # LA.2** (INTERIOR SINGLE W/ LATCH AND CLOSER)
- HINGES
- LATCHSET
- CLOSER
- WALL STOP
- SILENCERS

## (PP) PUSH/PULLS

**SET # PP.1** (INTERIOR SINGLE PUSH/PULL - TOILET ROOMS)
- HINGES
- PUSH/PULL
- CLOSER
- WALL STOP
- SILENCERS

## (EL) EXTERIOR LOCKSETS

**SET # EL.1** (EXTERIOR SINGLE W/ LOCK)
- HINGES
- LOCKSET
- CLOSER
- EXIT DEVICE
- THRESHOLD
- WEATHERSTRIP
- BOTTOM SWEEP
- DRIP CAP
- LATCH GUARD

**SET # EL.2** (EXTERIOR SINGLE W/ ACCESS CONTROL)
- HINGES (CONT. HEAVY DUTY)
- CLOSER
- PULLS
- THRESHOLD
- WEATHERSTRIP
- BOTTOM SWEEP
- DRIP CAP
- LATCH GUARD
- CARD READER (BY OWNER)
- MAGNETIC LOCK W/ MOTION DETECTOR (FAIL SECURE)
- PUSH TO EXIT DEVICE
- BATTERY BACKUP FOR MAGNETIC LOCK, CARD READER & PUSH TO EXIT

## (AL) ALUMINUM DOORS

**SET # AL.1** (EXTERIOR SINGLE ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- CLOSER
- 4" PULL
- EXIT DEVISE
- THRESHOLD
- WEATHERSTRIP
- BOTTOM SWEEP

**SET # AL.2** (EXTERIOR SINGLE W/ ACCESS CONTROL)
- HINGES (CONT. HEAVY DUTY)
- CLOSER
- 4" PULLS
- THRESHOLD
- WEATHERSTRIP
- BOTTOM SWEEP
- DRIP CAP
- LATCH GUARD
- CARD READER (BY OWNER)
- MAGNETIC LOCK W/ MOTION DETECTOR (FAIL SECURE)
- PUSH TO EXIT DEVICE
- BATTERY BACKUP FOR MAGNETIC LOCK, CARD READER & PUSH TO EXIT

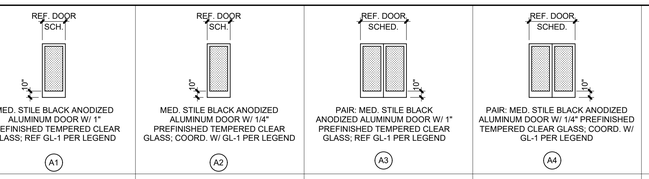
**SET # AL.3** (INTERIOR PAIR ALUMINUM W/ ACCESS CONTROL)
- HINGES (CONT. HEAVY DUTY)
- CLOSERS
- PULLS
- CARD READER (BY OWNER)
- MAGNETIC LOCK W/ MOTION DETECTOR (FAIL SECURE)
- PUSH TO EXIT DEVICE
- BATTERY BACKUP FOR MAGNETIC LOCK, CARD READER & PUSH TO EXIT

**SET # AL.4** (INTERIOR PAIR ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- CLOSERS
- PULLS
- EXIT DEVICE

**SET # AL.5** (EXTERIOR PAIR ALUMINUM)
- HINGES (CONT. HEAVY DUTY)
- CLOSERS
- 4" PULLS
- EXIT DEVICES
- THRESHOLD
- WEATHERSTRIP
- BOTTOM SWEEP
- ASTRAGAL (MEETING STILE)

# DOOR TYPES

ALL HOLLOW METAL DOORS TO BE FACTORY PRIMED. PAINT TO BE SPRAYED




MED. STILE BLACK ANODIZED ALUMINUM DOOR W/ 1" PREFINISHED TEMPERED CLEAR GLASS; REF GL-1 PER LEGEND (A1)

MED. STILE BLACK ANODIZED ALUMINUM DOOR W/ 1/4" PREFINISHED TEMPERED CLEAR GLASS; COORD. W/ GL-1 PER LEGEND (A2)

PAIR: MED. STILE BLACK ANODIZED ALUMINUM DOOR W/ 1" PREFINISHED TEMPERED CLEAR GLASS; REF GL-1 PER LEGEND (A3)

PAIR: MED. STILE BLACK ANODIZED ALUMINUM DOOR W/ 1/4" PREFINISHED TEMPERED CLEAR GLASS; COORD. W/ GL-1 PER LEGEND (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) (H1)

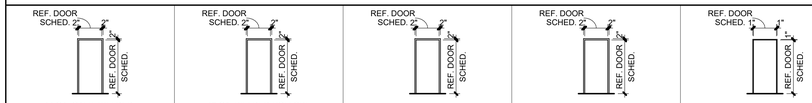
INT. DOOR TO BE GRADE II HEAVY DUTY, MODEL 3 OR 4 INSUL., MIN. 18 GA. STL. (FINISH W/ 2 COATS SEMI-GLOSS ACRYLIC LATEX PAINT) (H3)

SOLID CORE FLUSH WOOD DOOR: EDPCUF CORE, PLAIN SLICED WHITE BIRCH VENEER W/ STANDARD FACTORY FINISH, STAIN COLOR TBD (W1)

LAMINATE FLUSH DOOR: PARTICLEBOARD CORE, HPDL: WILSONART, WALNUT HEIGHTS 7965K-12; MANUF. MASONITE ARCHITECTURAL OR SIM. (L1)

# FRAME TYPES

ALL HOLLOW METAL FRAMES TO BE FACTORY PRIMED. PAINT TO BE SPRAYED




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)

THERMALLY BROKEN ANODIZED ALUMINUM FRAME PER LEGEND (3)

ANODIZED ALUMINUM FRAME PER LEGEND (4)

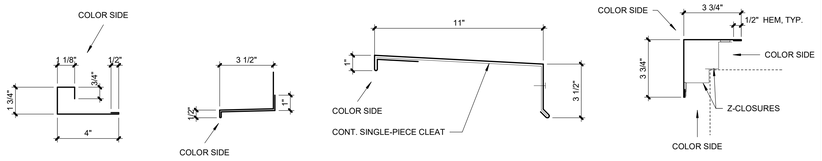
STEEL FRAME FROM CECO DOOR, PROFILE: 1" FACE (5)

# DOOR AND FRAME SCHEDULE

| | DOOR | | | | | FRAME | | | DETAILS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SIZE | | | | | | | | | | | | |
| NO. | W. | H. | Th. | TYPE | MAT. | TYPE | MAT. | RATING | JAMB | HEAD | SILL | HARDWARE | REMARKS |
| 100.A | 6' - 10" | 8' - 0" | 1 3/4" | A3 | AL | - | AL | - | 11 & 18/A8.02 | 6/A7.01 | 3/A7.01 | AL.5 | |
| 100.B | 6' - 0" | 8' - 0" | 1 3/4" | A4 | AL | 4 | AL | - | 1/A8.03 | 2/A8.03 | - | AL.3 | |
| 100.C | 6' - 0" | 8' - 0" | 1 3/4" | A4 | AL | 4 | AL | - | 1/A8.03 | 2/A8.03 | - | AL.3 | |
| 102.A | 3' - 6" | 8' - 0" | MFR | MFR | MFR | MFR | MFR | - | 6/A6.04 | 7/A6.04 | MFR | MFR | ELEV |
| 103.A | 3' - 0" | 8' - 0" | 1 3/4" | H3 | HM | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | LK.2 | |
| 104.A | 3' - 9" | 8' - 0" | 1 3/4" | A3 | AL | - | AL | - | 18/A8.02 | 6/A7.01 | 3/A7.01 | AL.1 | |
| 105.A | 3' - 0" | 8' - 0" | 1 3/4" | A1 | AL | 3 | AL | - | 7/A8.02 | 8/A8.02 | 3/A7.01 | AL.1 | |
| 106.A | 3' - 0" | 8' - 0" | 1 3/4" | H3 | HM | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | LK.9 | |
| 107.A | 4' - 0" | 8' - 0" | 1 3/4" | H1 | HM | 1 | HM | - | 3/A8.02 | 4/A8.02 | 17/A8.02 | EL.2 | (4) |
| 108.A | 3' - 0" | 8' - 0" | 1 3/4" | A1 | AL | - | AL | - | 9/A8.02 | 6/A7.01 | 3/A7.01 | AL.1 | |
| 108.B | 3' - 0" | 8' - 0" | 1 3/4" | A1 | AL | 3 | AL | - | 9 & 18/A8.02 | 6/A7.01 | 3/A7.01 | AL.1 | |
| 109.A | 3' - 0" | 8' - 0" | 1 3/4" | A1 | AL | 3 | AL | - | 7/A8.02 | 8/A8.02 | 3/A7.01 | AL.1 | |
| 110.A | 3' - 0" | 8' - 0" | 1 3/4" | H3 | HM | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | LK.9 | |
| 111.A | 3' - 0" | 8' - 0" | 1 3/4" | A1 | AL | 3 | AL | - | 7/A8.02 | 8/A8.02 | 3/A7.01 | AL.2 | |
| 112.A | 4' - 0" | 8' - 0" | 1 3/4" | H1 | HM | 1 | HM | - | 3/A8.02 | 4/A8.02 | 17/A8.02 | EL.2 | (4) |
| 201.A | 3' - 6" | 8' - 0" | MFR | MFR | MFR | MFR | MFR | - | 6/A6.04 | 7/A6.04 | MFR | MFR | ELEV |
| 203.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | LK.9 | (4) |
| 205.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | LK.1 | |
| 206.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | PP.1 | (2) |
| 206.B | 2' - 8" | 8' - 0" | 1 3/4" | L1 | HPDL | 5 | STL | -- | 7/A8.03 | 9/A8.03 | - | LK.11 | (3) |
| 206.C | 3' - 0" | 8' - 0" | 1 3/4" | L1 | HPDL | 5 | STL | -- | 11/A8.03 | 9/A8.03 | - | LK.11 | (3) |
| 207.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | PP.1 | (2) |
| 207.B | 2' - 8" | 8' - 0" | 1 3/4" | L1 | HPDL | 5 | STL | -- | 7/A8.03 | 9/A8.03 | - | LK.11 | (3) |
| 207.C | 2' - 8" | 8' - 0" | 1 3/4" | L1 | HPDL | 5 | STL | -- | 7/A8.03 | 9/A8.03 | - | LK.11 | (3) |
| 207.D | 2' - 8" | 8' - 0" | 1 3/4" | L1 | HPDL | 5 | STL | -- | 7/A8.03 | 9/A8.03 | - | LK.11 | (3) |
| 207.E | 3' - 0" | 8' - 0" | 1 3/4" | L1 | HPDL | 5 | STL | -- | 11/A8.03 | 9/A8.03 | - | LK.11 | (3) |
| 209.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | LA.2 | |
| 211.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD | 2 | HM | - | 3/A8.03 | 4/A8.03 | - | LA.2 | |

# FLASHING PROFILES

REF DETAILS ON SHEETS A3.05, A7.01-A7.02, A8.02-A8.04 FOR FLASHING DETAILS




**J-TRIM / RECEIVER FLASHING**

**DRIP FLASHING**

**PARAPET COPING AT MP-1 W/ CONT. CLEAT**

**OUTSIDE CORNER**


**PARAPET COPING AT ST-1**

# REMARKS

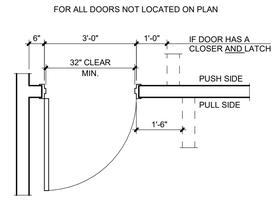
(1) ACCESS CONTROL DOORS WITH PANIC HARDWARE: PROVIDE APPROVED ENTRANCE AND EGRESS ACCESS CONTROL SYSTEM, LISTED IN ACCORDANCE WITH UL 294 AND INSTALLED IN COMPLIANCE WITH CRITERIA 1 THROUGH 7 IN SECTION 1010.1.9.9 OF IBC 2018

(2) PROVIDE 16" X 34" KICK PLATE

(3) UNDERCUT DOOR 1"

(4) PROVIDE PANIC EGRESS HARDWARE AS REQ'D PER 2017 NEC ARTICLE 110.26 (C).

# DOOR LOCATION PLAN




# MATERIAL LEGEND

| | | |
|---|---|---|
| GL | - | GLASS |
| HM | - | HOLLOW METAL |
| WD | - | WOOD |
| STL | - | STEEL |
| AL | - | ALUMINUM |
| MFR | - | PER MANUFACTURER |
| POLY | - | POLYETHYLENE |
| P | - | POLYCARBONATE |
| HPDL | - | HIGH PRESSURE DECORATIVE LAMINATE |

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paragon star

PARAGON STAR
BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
DAVID ALAN WILLIAMS
NUMBER A-5540
REGISTERED ARCHITECT
05.06.22

PROJECT TEAM

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

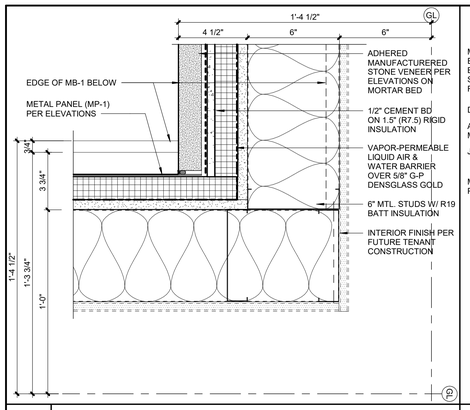

FINKLE + WILLIAMS
ARCHITECTURE
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com


SHEET TITLE

DOOR SCHEDULE AND DETAILS

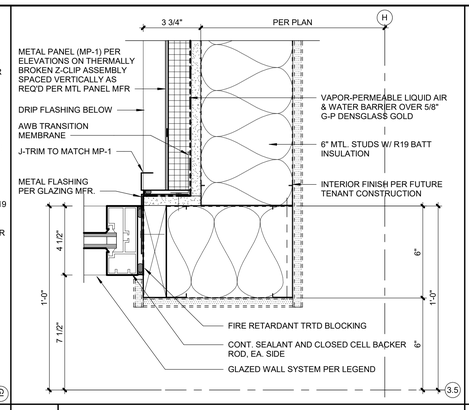
SHEET NUMBER

A8.01




## 20 PLAN DETAIL

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




## 16 JAMB DETAIL

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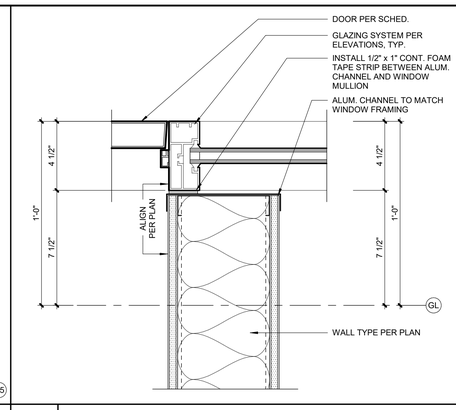


## 12 JAMB DETAIL

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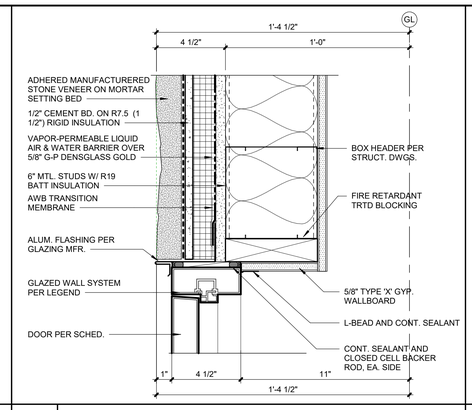
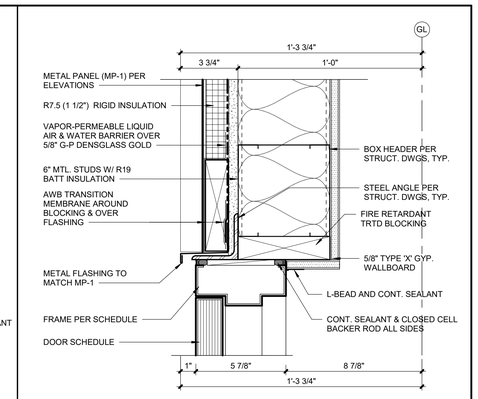


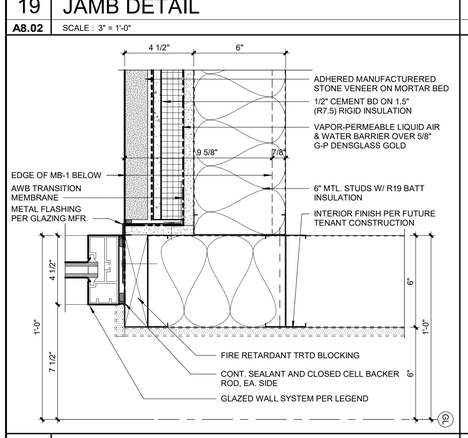

## 8 HEAD DETAIL

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



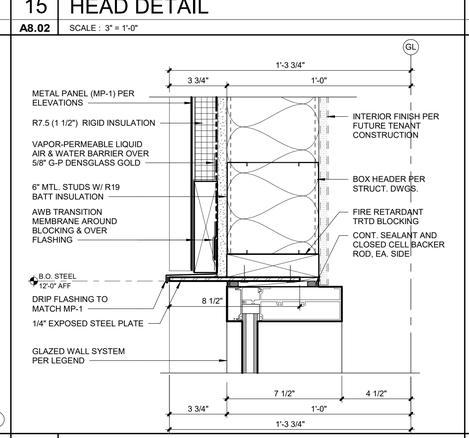

## 4 HEAD DETAIL

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



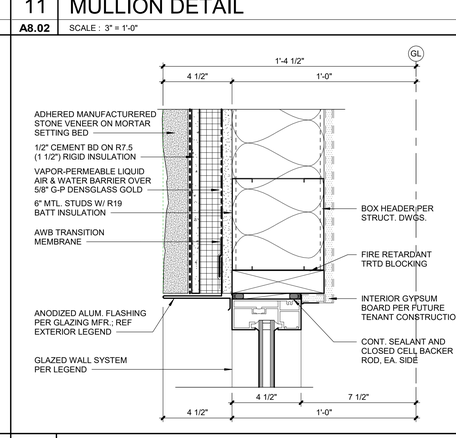

## 19 JAMB DETAIL

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




## 15 HEAD DETAIL

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




## 11 MULLION DETAIL

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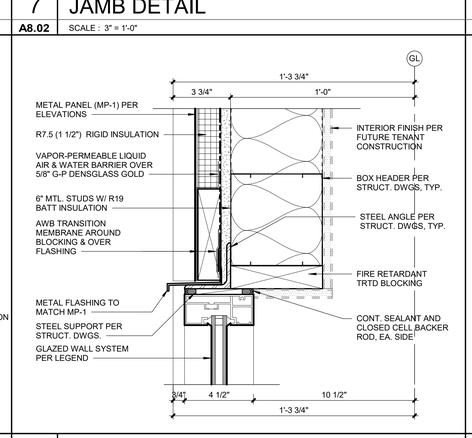


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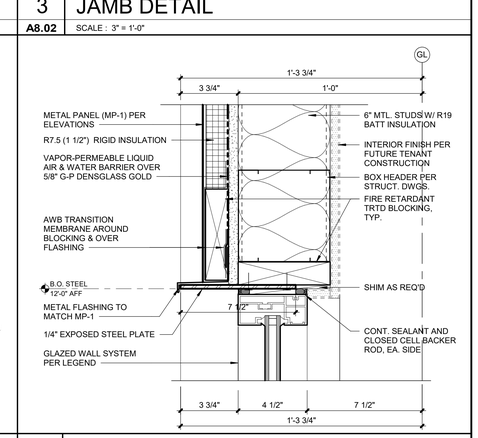


## 3 JAMB DETAIL

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




## 18 JAMB DETAIL

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




## 14 HEAD DETAIL

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




## 10 HEAD DETAIL

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




## 6 HEAD DETAIL

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




## 2 HEAD DETAIL

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




## 17 SILL DETAIL

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




## 13 JAMB DETAIL

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




## 9 JAMB DETAIL

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




## 5 JAMB DETAIL

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




## 1 JAMB DETAIL

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

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

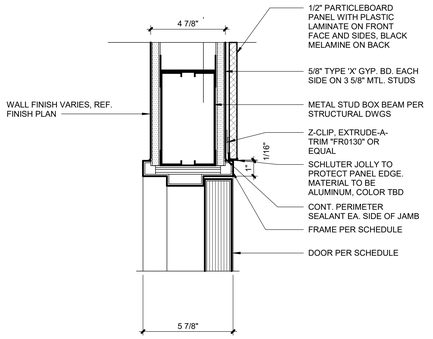
FINKLE + WILLIAMS
ARCHITECTURE
8787 RENNER BLVD., SUITE 100
LENEXA, KANSAS 66219
913 .498.1550
www.finklewilliams.com

SHEET TITLE

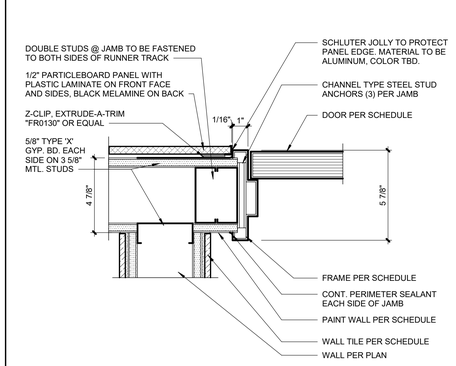
DOOR & WINDOW DETAILS

SHEET NUMBER

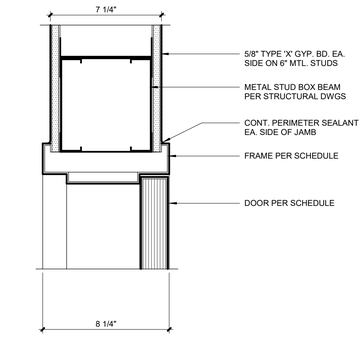
A8.02



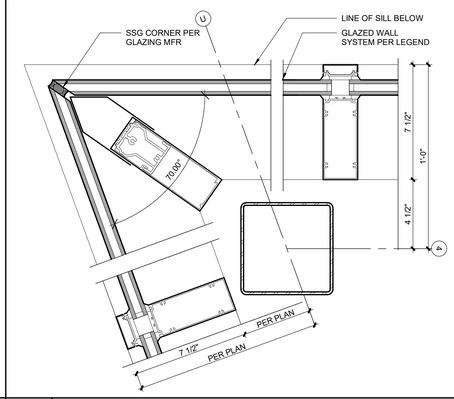

9 DOOR HEAD DETAIL
A8.03 SCALE : 3" = 1'-0"




7 DOOR JAMB DETAIL
A8.03 SCALE : 3" = 1'-0"




4 DOOR HEAD DETAIL
A8.03 SCALE : 3" = 1'-0"




8 PLAN DETAIL
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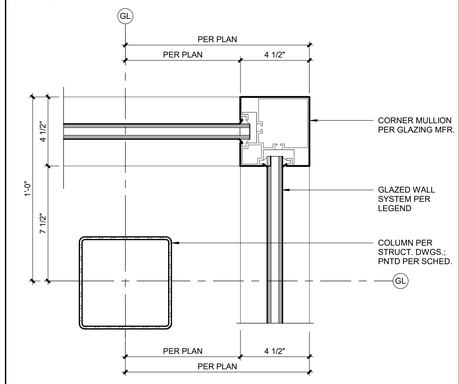
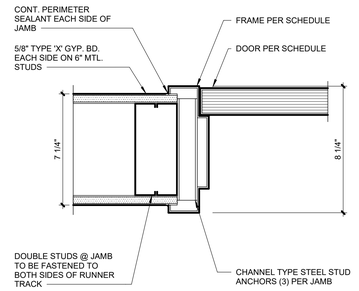



6 PLAN DETAIL
A8.03 SCALE : 3" = 1'-0"




3 DOOR JAMB DETAIL
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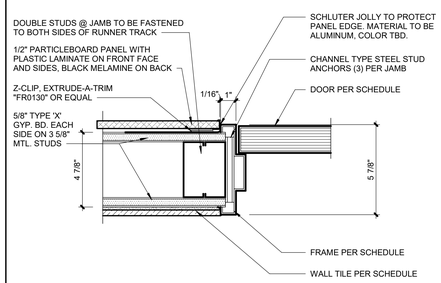
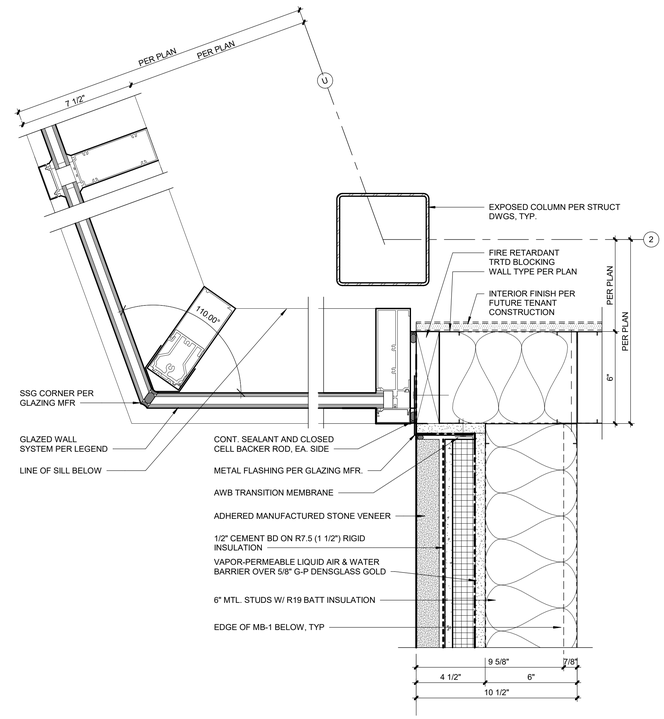
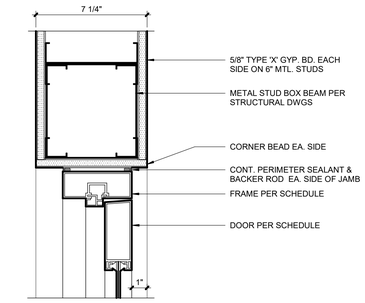
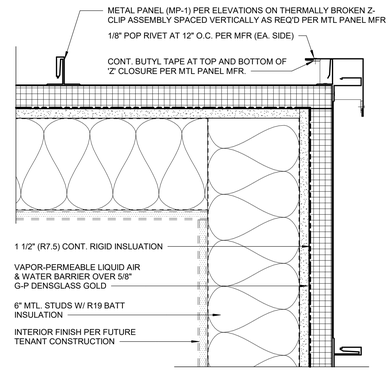



11 DOOR JAMB DETAIL
A8.03 SCALE : 3" = 1'-0"

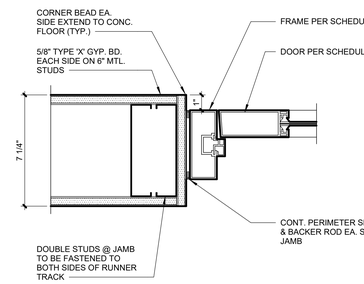



2 DOOR HEAD DETAIL
A8.03 SCALE : 3" = 1'-0"




10 PLAN DETAIL REF FLASHING PROFILES SHEET A8.01
A8.03 SCALE : 3" = 1'-0"




5 PLAN DETAIL
A8.03 SCALE : 3" = 1'-0"

1 DOOR JAMB DETAIL
A8.03 SCALE : 3" = 1'-0"

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

| | |
|---|---|
| ARCHITECT | FINKLE+WILLIAMS ARCHITECTURE |
| CIVIL | GBA |
| LANDSCAPE | LAND 3 |
| FOUNDATIONS | BSE STRUCTURAL ENGINEERS |
| STRUCTURAL | BSE STRUCTRAL ENGINEERS |
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SHEET TITLE

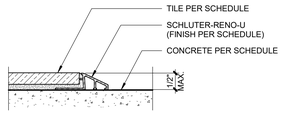
DOOR & WINDOW DETAILS

SHEET NUMBER

A8.03

# FLOORING TRANSITION DETAIL

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




**PORCELAIN TILE : CONCRETE**

# ROOM FINISH LEGEND

## FLOOR FINISHES

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

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

- **FTL-1:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NATURAL, SIZE: 24"x47" 98660R; SEE FINISH PLANS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 02 PEWTER
- **FTL-2:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NATURAL, SIZE: 8"x47" 82660R; SEE FINISH PLANS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 02 PEWTER
- **FTL-3:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NATURAL, SIZE: 12"x24" BULLNOSE GRADINO STAIR TREAD 70660R; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 02 PEWTER
- **FTL-4:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL, SIZE: 12"x24" 63669R; SEE FINISH PLANS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 10 BLACK

**CON:** CONCRETE

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

## BASE FINISHES

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

**RB:** .125" THERMOPLASTIC RUBBER RESILIENT WALL BASE

- **RB-01:** MFR: ROPPE, SIZE: 4" COVE, COLOR: 123 CHARCOAL, ROLL GOODS ONLY

**TB:** 3" TILE BASE TO COORD. WITH FLOOR TILE

- **TB-01:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NAT. RETT., SIZE: 3"x24" 88660R

## 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-01:** SHERWIN WILLIAMS, WHITE HERON, SW7627, EGGSHELL LATEX COATING
- **PT-02:** SHERWIN WILLIAMS, IRON ORE, SW7069, EGGSHELL LATEX COATING
- **PT-03:** SHERWIN WILLIAMS, WORLDLY GRAY, SW7043, SEMI-GLOSS LATEX COATING
- **PT-04:** SHERWIN WILLIAMS, GRIFFIN, SW7026, SEMI-GLOSS LATEX COATING

**EPT:** POLYAMIDE EPOXY COATING - 2 FINISH COATS OVER PRIMER

- **EPT-01:** SHERWIN WILLIAMS, WHITE HERON, SW7627, SEMI-GLOSS EPOXY COATING

**FRP**: FIBERGLASS REINFORCED PLASTIC PANEL

- **FRP-01**: PANOLAM FRP, COLOR GRAY, PROVIDE COLOR MATCHED SEAM TREATMENTS AND MOLDINGS

**WTL:** PORCELAIN TILE W 1/8" MAX GROUT JOINTS, INSTALL PER TCNA AND MANUFACTURER'S GUIDELINES

- **WTL-01:** MFR: STONE PEAK, COLOR: WHITE PLANE HONED USH3030087, SIZE: 30"x30", STRAIGHT STACK PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 01 ALABASTER
- **WTL-02:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL SIZE: 8"x47" 82669R; SEE ELEVATIONS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 10 BLACK
- **WTL-03:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: BLACK CONTROFALDA NATURAL, SIZE: 12"x24" 63669R; SEE ELEVATIONS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 10 BLACK
- **WTL-04:** MFR: ERGON ENGINEERED STONE, COLLECTION: STONE PROJECT, COLOR: WHITE CONTROFALDA NATURAL, SIZE: 8"x47" 82660R; SEE ELEVATIONS FOR INSTALLATION PATTERN; GROUT: MAPEI, ULTRACOLOR PLUS, COLOR 02 PEWTER

## CASEWORK FINISHES

**LAM:** PLASTIC LAMINATE

- **LAM-01:** MFR: WILSONART, COLOR: WALNUT HEIGHTS 7965K-12 (SOFT GRAIN FINISH WITH AEON SCRATCH RESISTANCE)

**ST:** NATURAL STONE

- **ST-01:** 2CM BLUE PEARL QUARTZ, SEAL WITH PENETRATING SEALER

## CEILING FINISHES

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

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

- **GB-01:** SHERWIN WILLIAMS SW 7007 "CEILING BRIGHT WHITE"

**EXP:** EXPOSED CEILING WITH PAINTED DECK, STRUCTURE AND DUCTS

- **EXP-01:** SHERWIN WILLIAMS, WATERBORNE ACRYLIC DRYFALL, COLOR SW 6258 TRICORN BLACK

# GENERAL FINISH NOTES

1. ROOM FINISH SCHEDULE IS FOR GENERAL COORDINATION OF FINISHES. REFERENCE ROOM FINISH PLANS, INTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR COORDINATION OF ALL FINAL FINISHES.
2. WHERE MULTIPLE FINISHES ARE INDICATED ON ANY SURFACE REFER TO THE DRAWINGS FOR EXTENT OF EACH FINISH.
3. STOP WALL / CEILING PAINT COLORS AND FINISH MATERIAL CHANGES AT INSIDE CORNERS, UNLESS NOTED OTHERWISE.
4. ALCOVES AND CLOSETS WITHOUT A ROOM IDENTIFICATION NUMBER SHALL HAVE THE SAME FINISHES AS THE ADJOINING SPACE.
5. ALL FLOOR FINISHES TRANSITIONING AT DOORWAYS SHALL BE CENTERED ON THE CLOSED DOOR, UNLESS NOTED OTHERWISE.
6. WHERE NO BASE IS INDICATED CONTINUE WALL FINISH TO FLOOR.
7. CONTINUE WALL AND FLOOR FINISH AS SCHEDULED BEHIND OR UNDER OPEN MILLWORK / CASEWORK WHEN WALL OR FLOOR IS EXPOSED TO VIEW, UNLESS NOTED OTHERWISE.
8. SOFFITS TO BE PAINTED TO MATCH GB-1 UNLESS NOTED OTHERWISE.
9. ALL EXPOSED DUCTWORK, ELECTRICAL CONDUIT, PLUMBING SUPPLY, WASTE OR VENTING AND ALL OTHER PIPING SHALL BE PAINTED TO MATCH ADJACENT WALL OR CEILING FINISH, UNLESS NOTED OTHERWISE.
10. ALL MECHANICAL GRILLES, ACCESS PANELS, RECESSED SPEAKERS (IF APPROVED BY MANUFACTURER), AND OTHER MECHANICAL PANELS SHALL BE PAINTED TO MATCH ADJACENT SURFACES UNLESS FACTORY FINISH OR OTHER COLOR IS SPECIFIED. CONCEALED SPRINKLER HEADS TO BE PROVIDED WITH FACTORY-APPLIED FINISH TO MATCH ADJACENT FINISH, UNLESS NOTED OTHERWISE.
11. TILE INDICATED ON WALLS IS TO BE FULL HEIGHT, UNLESS NOTED OTHERWISE.
12. ALIGN FLOOR AND WALL TILE JOINTS, UNLESS NOTED OTHERWISE.
13. PAINT ALL HOLLOW METAL DOORS AND FRAMES W/ 2 COATS OF SEMI-GLOSS, ACRYLIC LATEX PAINT TO MATCH ADJACENT WALL, U.N.O.
14. DOOR FRAME FINISH TRANSITIONS SHALL BE AT THE INSIDE CORNER OF THE STOP ON THE DOOR SIDE.
15. DUAL FINISH DOORS SHALL HAVE MATCHING FRONT FACE AND STRIKE EDGE AND MATCHING BACK FACE AND HINGE EDGE.
16. REFER TO FLOOR TRANSITION DETAILS WHERE DISSIMILAR FLOOR MATERIALS MEET.
17. ALL GYPSUM BOARD WALLS, SOFFITS AND CEILINGS PERPENDICULAR TO EXTERIOR WALL WITH WINDOWS TO RECEIVE PAINT ARE TO HAVE A LEVEL 5 DRYWALL FINISH.
18. WINDOW COVERINGS ARE NOT IN CORE AND SHELL SCOPE. FUTURE WINDOW COVERINGS ARE BY TENANT AND MUST FOLLOW DESIGN GUIDELINES.

# ROOM FINISH SCHEDULE

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

# SCHEDULE REMARKS

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

(2) INTERIOR FINISHES BY FUTURE TENANT.

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

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

(5) LAMINATE (LAM-1) PANELS ON FRONT WALL OF TOILET "ROOMS". REFERENCE FINISH PLANS AND ELEVATIONS.

(6) PAINT EXPOSED STEEL STAIR STRINGER PT-03

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

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

(9) PAINT EXPOSED STEEL AND HANDRAILS PT-02

(10) UNFINISHED EXPOSED WALL TILE EDGES TO RECEIVE ANODIZED ALUMINUM TRIM EQUAL TO SCHLUTER - JOLLY, FINISH SATIN NICKEL

(11) UNFINISHED EXPOSED WALL TILE EDGES TO RECEIVE ANODIZED ALUMINUM TRIM EQUAL TO SCHLUTER - JOLLY, FINISH BRUSHED GRAPHITE

(12) REF. FINISH PLANS FOR FLOOR PATTERN

(13) CONCRETE CURB UNDER STAIR TO BE TILED USING FTL-02. FLOOR INSIDE CURB TO BE FTL-01/FTL-02 PATTERN, REFERENCE FINISH PLAN.

paragon star

PARAGON STAR
BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

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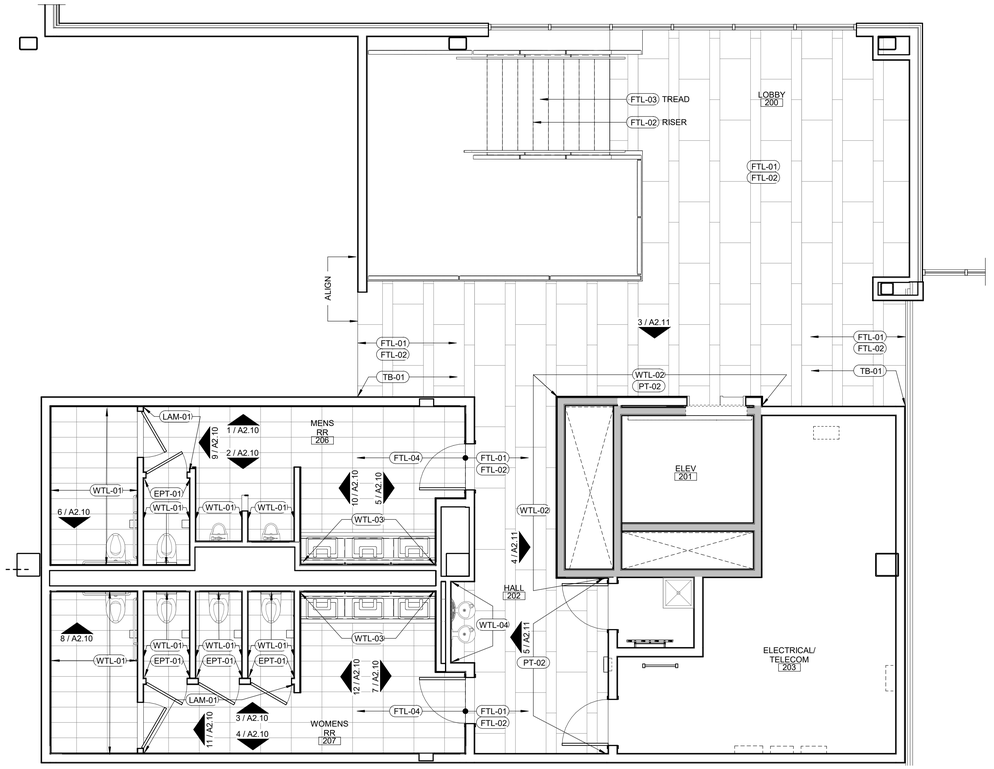
SHEET TITLE

FINISH SCHEDULE AND DETAILS

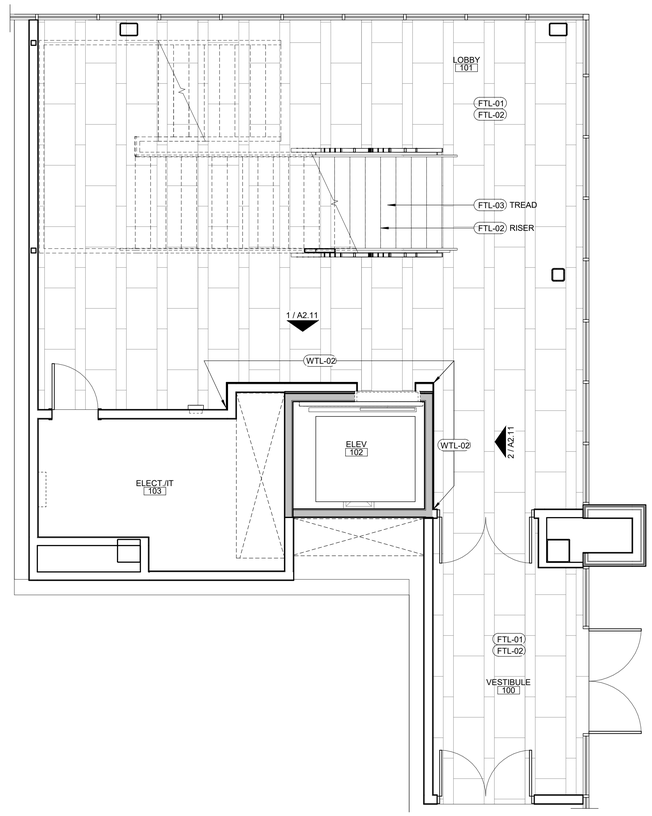
SHEET NUMBER

A8.10




2 | FINISH PLAN - SECOND LEVEL

A8.11 | SCALE : 1/4" = 1'-0"




1 | FINISH PLAN - FIRST LEVEL

A8.11 | SCALE : 1/4" = 1'-0"

C:\Users\Jessica\Documents\Paragon Star_Bldg2Lot9_R21-Central_jreedshultz@finklewilliams.com.rvt

paragon star

# PARAGON STAR
# BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
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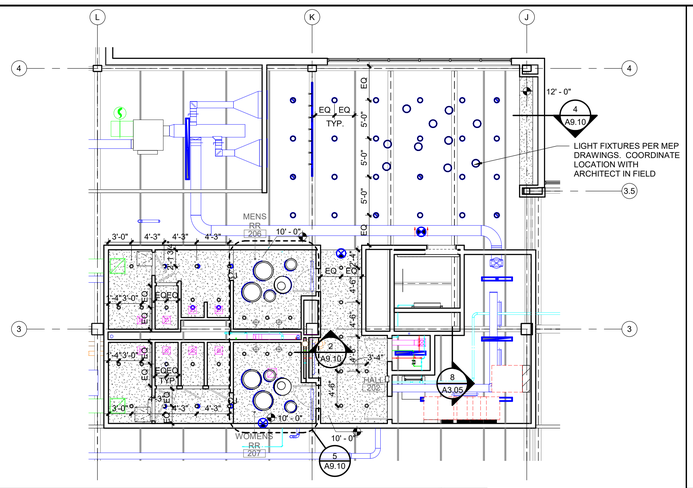
SHEET TITLE

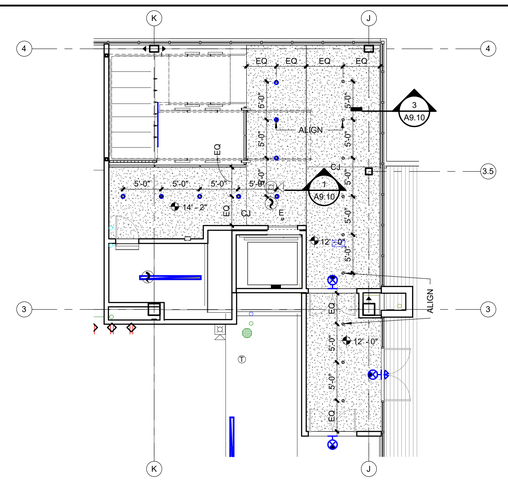
FINISH PLAN

SHEET NUMBER

A8.11




4 SECOND FLOOR ENLARGED RCP
A9.01 SCALE : 1/8" = 1'-0"



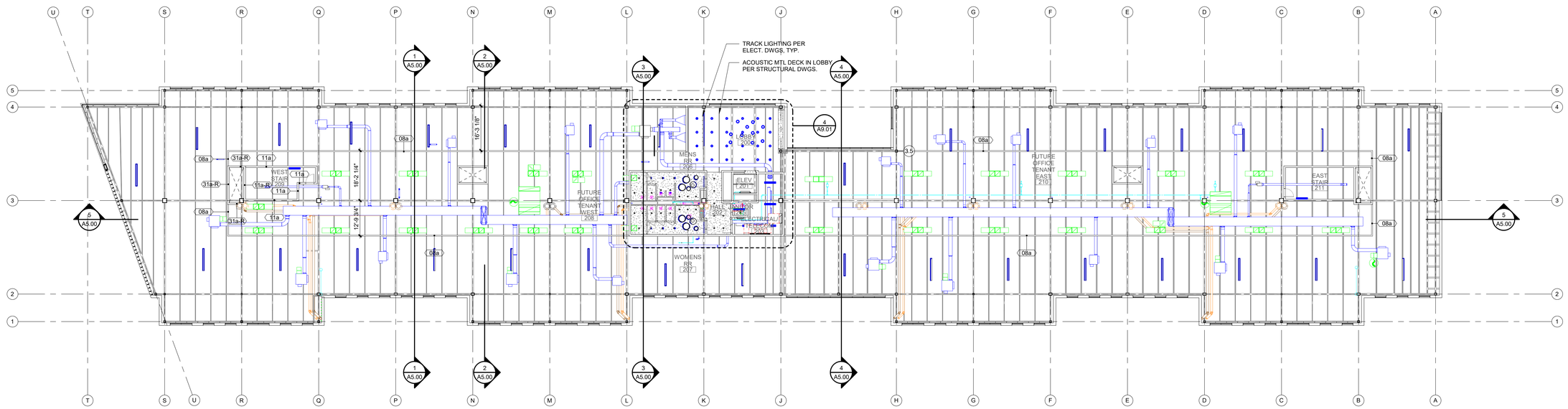

3 FIRST FLOOR ENLARGED RCP
A9.01 SCALE : 1/8" = 1'-0"

## REFLECTED CEILING PLAN GENERAL NOTES

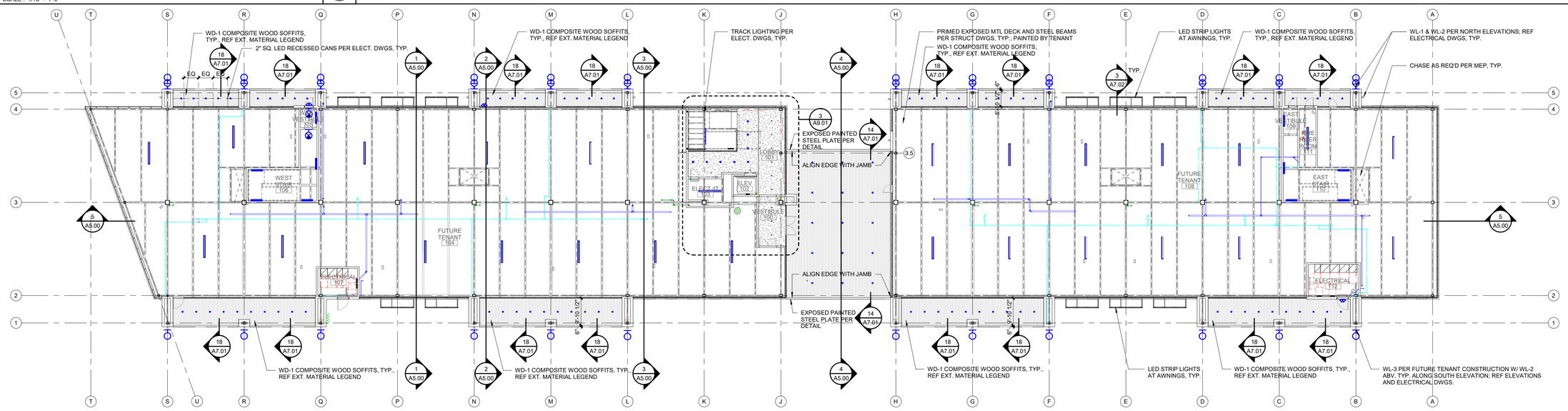
1. SUSPENDED ACOUSTICAL TILE NOTE: NO CEILING EDGE TILE IS TO BE UNDER 6" WIDE. USE MATCHING STYLE 2'X4' CEILING TILE CUT TO THE PERIMETER SIZE AS NEEDED.
2. NO BUILDING ELEMENTS SHALL BE CONNECTED TO OR SUSPENDED FROM DUCTWORK. ALL MATERIALS SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE.
3. FIRE SPRINKLER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

## 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.
- 2'x4' DIRECT INDIRECT LIGHT TROFFER PER ELECTRICAL DRAWINGS
- 2'x2' DIRECT INDIRECT LIGHT TROFFER PER ELECTRICAL DRAWINGS
- LINEAR DIRECT LED PER ELECTRICAL DRAWINGS
- 4' STRIP FIXTURE WITH STEEL HOUSING PER ELECTRICAL DRAWINGS
- LED CAN LIGHT FIXTURE PER ELECTRICAL DRAWINGS
- LINEAR PENDANT LIGHT FIXTURE PER ELECTRICAL DRAWINGS
- PENDANT LIGHT FIXTURE PER ELECTRICAL DRAWINGS
- SUPPLY AIR DIFFUSER PER MECHANICAL DRAWINGS
- RETURN AIR DIFFUSER PER MECHANICAL DRAWINGS
- LINEAR SLOT DIFFUSER PER MECHANICAL
- 24"X24" DRYWALL INLAY ACCESS PANEL WITH MUD IN FLANGE AND FULLY DETACHABLE HATCH, PAINTED TO MATCH CEILING




2 SECOND FLOOR RCP
A9.01 SCALE : 1/16" = 1'-0"




1 FIRST LEVEL RCP
A9.01 SCALE : 1/16" = 1'-0"

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

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REGISTRATION

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

05.06.22

PROJECT TEAM

| | |
|---|---|
| ARCHITECT | FINKLE+WILLIAMS ARCHITECTURE |
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| LANDSCAPE | LAND 3 |
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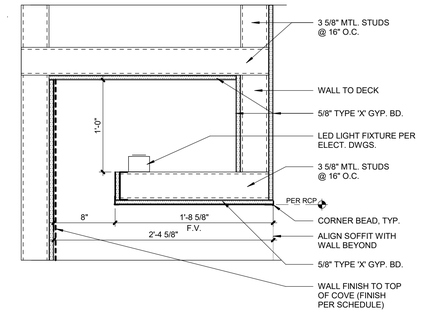
SHEET TITLE

REFLECTED CEILING PLAN

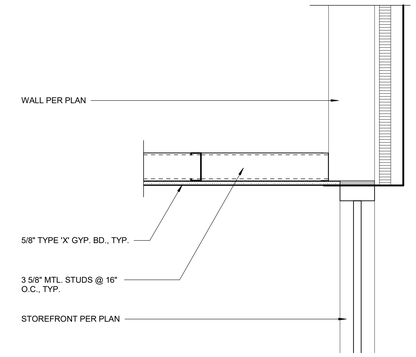
SHEET NUMBER

A9.01



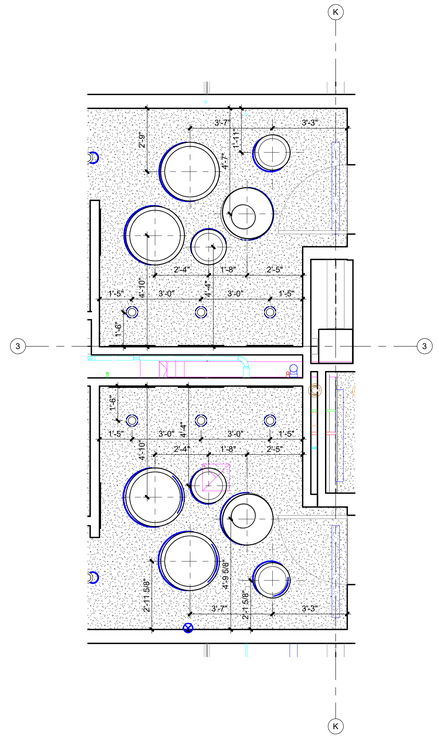

## 4 LIGHT COVE DETAIL

A9.10 SCALE : 1 1/2" = 1'-0"



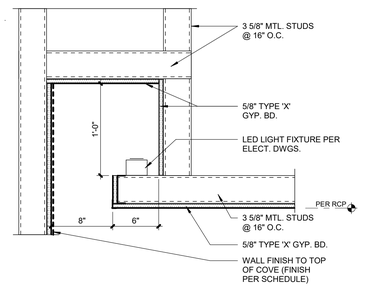

## 3 CEILING DETAIL

A9.10 SCALE : 1 1/2" = 1'-0"



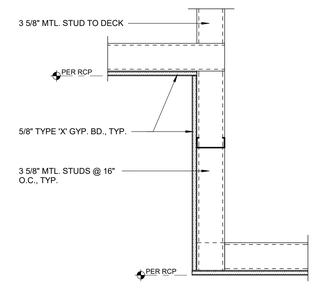

## 5 SECOND FLOOR ENLARGED RESTROOM LIGHT LAYOUT

A9.10 SCALE : 3/8" = 1'-0"




## 2 LIGHT COVE DETAIL

A9.10 SCALE : 1 1/2" = 1'-0"




## 1 CEILING DETAIL

A9.10 SCALE : 1 1/2" = 1'-0"

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

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| CIVIL | GBA |
| LANDSCAPE | LAND 3 |
| FOUNDATIONS | BSE STRUCTURAL ENGINEERS |
| STRUCTURAL | BSE STRUCTRAL ENGINEERS |
| PLUMBING | HENDERSON ENGINEERS |
| MECHANICAL | HENDERSON ENGINEERS |
| ELECTRICAL | HENDERSON ENGINEERS |
| FIRE PROTECTION | HENDERSON ENGINEERS |
| CONTRACTOR | FOGEL-ANDERSON |

FINKLE + WILLIAMS
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LENEXA, KANSAS 66219
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SHEET TITLE

CEILING DETAILS

SHEET NUMBER

A9.10

**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 & ELDORADO, REFER TO ELEVATIONS FOR COLOR, FINISH, AND LOCATIONS*
   1. PERFORMANCE CRITERIA: CONFORMING WITH ASTM C1670:
      a. COMPRESSIVE STRENGTH: >1800 PSI FOR 5 SPECIMANS AND >2100 PSI FOR INDIVIDUAL SPECIMAN (ASTM C 39 AND ASTM C 192)
      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
      *j. PROVIDE (2) LAYERS OF WATER BARRIER AS REQ'D BY MFR.*
   2. CERTIFICATIONS:
      a. ICC ES AC 51 ACCEPTANCE CRITERIA FOR MANUFACTURED STONE VENEER OR INDEPENDENT LAB TEST INDICATING COMPLIANCE WITH ASTM C-1670
   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. 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. FOR SCRATCH COAT OR GROUTING MORTARS - SITE MIXED, MEETS THE REQUIREMENTS OF ASTM C270 TYPE N OR S. PREBLENDED: MEETS THE REQUIREMENTS OF ASTM C1714/C1714M TYPE N OR TYPE S
   1. POLIMERIZED 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 AT SHELF ANGLES, LINTELS, LEDGES, OTHER OBSTRUCTIONS TO DOWNWARD FLOW OF WATER AS REQUIRED, AND WHERE INDICATED. ANCHOR TO STUD AS REQUIRED BY MVMA AND ASTM C1780.
      A. AT STUD FRAMED WALLS, EXTEND FLASHING THROUGH STONE MASONRY, UP SHEATHING FACE AT LEAST 12 INCHES AND BEHIND WEATHER BARRIER
      B. FASTENER TYPE AND SPACING TO BE VERIFIED WITH STRUCTURAL ENGINEER PRIOR TO ORDERING/INSTALLING.
   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 SLIGHT EXCESS WILL BE FORCED OUT THE EDGES OF STONE UNITS AS THEY ARE SET. COMPLETELY FILLING SPACE BETWEEN UNITS AND SCRATCH COAT. REFER TO POLYMER MODIFIED MORTAR MANUFACTURER FOR THEIR SPECIFIC INSTALLATION INSTRUCTIONS.
      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. NO VISIBLE GROUT PER EXTERIOR LEGEND SHEET A4.01

G. WRB:
   1. TWO LAYERS ASTM COMPLYING WITH ASTM D226 FEL OR ASTM E2556 TYPE 1 OR TYPE 2.

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

**- END DIVISION 4 -**

**DIVISION 5 - METALS**

**051200 STRUCTURAL STEEL**

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

**057313 GLAZED DECORATIVE METAL RAILINGS (CONT.)**

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 #10A, 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. GLASSMAT 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 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 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 APPA WOD 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 FABRIC

**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. DUTYL 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 WITH 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 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 1 1/2" 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 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 SEALANT 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 16" 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 MANUFACTURERS 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 MEMBERS 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 0.24 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 BITUMINUOUS COATING OR PRIMER, OR BY APPLYING SEALANT TAPE RECOMMENDED BY MANUFACTURER.
2. INSTALL FRAMING COMPONENTS TO PROVIDE A WEATHERPROOF SYSTEM AND TRUE IN ALIGNMENT WITH ESTABLISHED LINES AND GRADES TO THE FOLLOWING TOLERANCES:
   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; FINISH TO MATCH DOOR.
   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 REQUIRED 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.
      - VISIBLE 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 G-60 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**

**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, 1/4" 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 HOSITWAY. 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 MONOSPACE 500***
PROVIDE ELEVATOR(S) COMPLYING WITH ASME A17.1, SECTION 4.10 OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES, SECTION 407 OF ICC ANSI A117.1, AND THE FOLLOWING *(REF BASIS OF DESIGN SHEET A6.04)*
   *a. RATED LOAD: 3500 LB*
   *b. RATED SPEED: 110 FPM*
   *c. CAB HEIGHT: 9'-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 AND 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.

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGON PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

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

05.06.22

PROJECT TEAM

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

FINKLE + WILLIAMS
ARCHITECTURE

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

SHEET TITLE

PROJECT SPECIFICATIONS

SHEET NUMBER

A11.12

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

M.E.P. Zone:
- Dead Load: 65 psf

Floor Loads:
- Dead Load: 65 psf
- Office Live: 80 psf

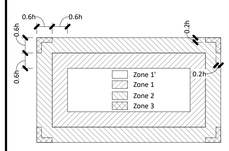
Wind Loads:
- Occupancy: III
- Velocity: 117 mph
- Exposure: B
- Iw: 1.0

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




COMPONENTS & CLADDING WIND PRESSURES

| Zone | Effective Wind Area (sq ft) | Max. +VE Pressure (psf) | Max. -VE Pressure (psf) |
|---|---|---|---|
| 1 - Roof Interior | 10 | 16.0 | -38.7 |
| 1 - Roof Interior | 20 | 16.0 | -36.2 |
| 1 - Roof Interior | 50 | 16.0 | -32.8 |
| 1 - Roof Interior | ≥ 100 | 16.0 | -30.2 |
| 2 - Roof Edge | 10 | 22.2 | -51.1 |
| 2 - Roof Edge | 20 | 21.3 | -47.8 |
| 2 - Roof Edge | 50 | 20.0 | -43.4 |
| 2 - Roof Edge | ≥ 100 | 19.0 | -40.2 |
| 3 - Roof Corner | 10 | 22.2 | -51.1 |
| 3 - Roof Corner | 20 | 21.3 | -47.8 |
| 3 - Roof Corner | 50 | 20.0 | -43.4 |
| 3 - Roof Corner | ≥ 100 | 19.0 | -40.2 |
| 4 - Wall Interior | 10 | 22.2 | -24.1 |
| 4 - Wall Interior | 20 | 21.3 | -23.1 |
| 4 - Wall Interior | 50 | 20.0 | -21.8 |
| 4 - Wall Interior | ≥ 100 | 19.0 | -20.8 |
| 4 - Wall Interior | ≥ 500 | 16.7 | -18.5 |
| 5 - Wall Edge | 10 | 22.2 | -29.7 |
| 5 - Wall Edge | 20 | 21.3 | -27.7 |
| 5 - Wall Edge | 50 | 20.0 | -25.1 |
| 5 - Wall Edge | ≥ 100 | 19.0 | -23.1 |
| 5 - Wall Edge | ≥ 500 | 16.7 | -18.5 |

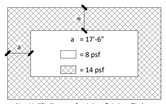
Components & Cladding Wind Zone Diagram

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

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

3. a = 17'-6"

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

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

3. All foundations shall be square and level.

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

Concrete and Reinforcing Steel:

1. Concrete mix designs shall meet the following requirements:

| 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 design drawings. If no lap-length is shown, contact the Engineer.

   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.

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 V3
   b. Powers AC100+ Gold
   c. Simpson Strong-Tie SET-3G
   d. Or Approved Equivalent

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

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

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

10. 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 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 piles 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 fabricated 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 | - | X | AWS D1.4 ACI 318: 26.6.4 |
| b. Inspect single-pass fillet welds, maximum 5/16"; and | - | X | |
| c. Inspect all other welds. | X | - | |
| 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. | X | - | ACI 318: 17.8.2.4 |
| b. Mechanical anchor and adhesive anchors not defined in 4.a. | - | X | 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 | X | - | ACI 318: 26.10 |
| b. Grouting of bonded prestressing tendons. | X | - | |
| 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**

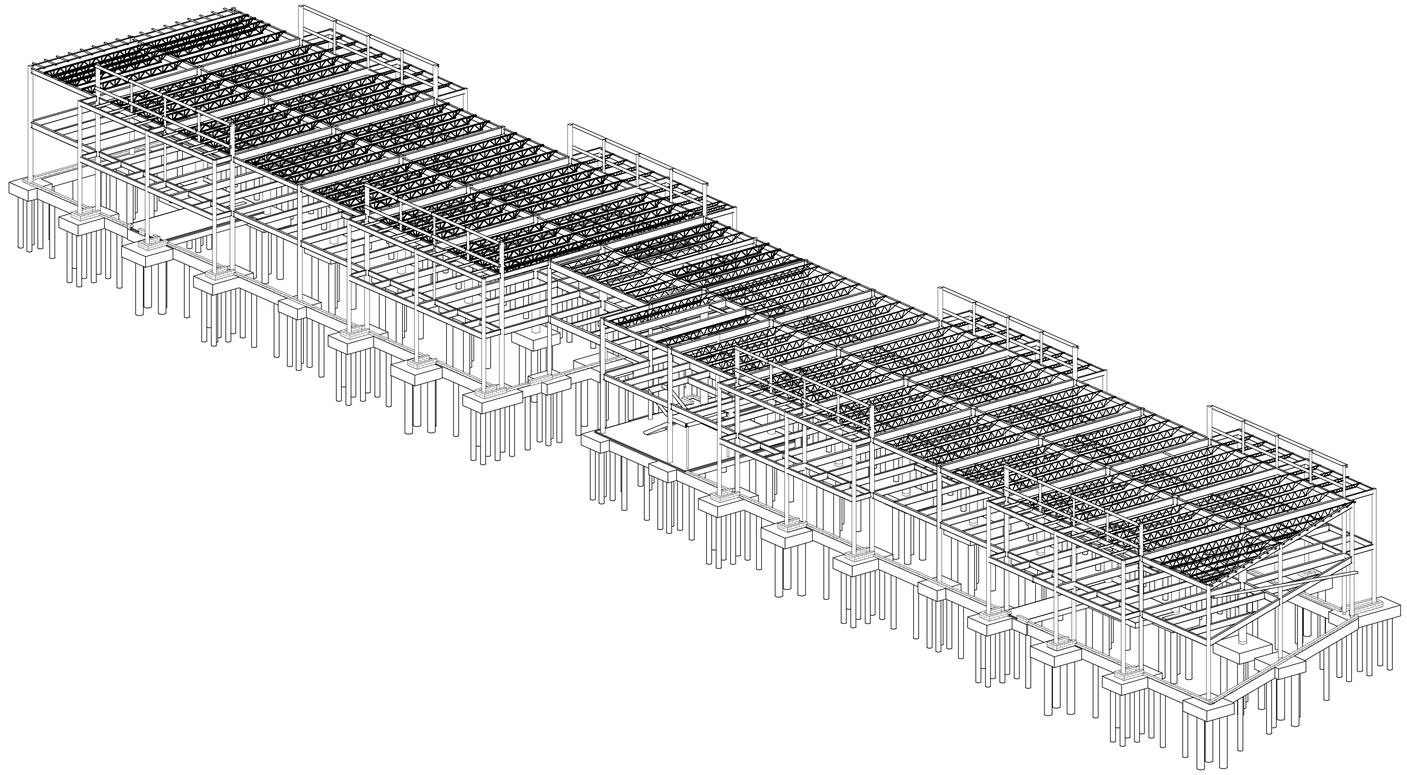
| Type | Continuous Special Inspection | Periodic Special Inspection |
|---|---|---|
| 1. Inspect drilling operations and maintain complete and accurate records for each element. | X | - |
| 2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, 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: | | AISC 360 Chp. M & N TABLE N5.4-1 |
| a. Shop welding, high strength bolting and details in accordance with AISC 360, Section N5. | Per AISC | TABLE N5.4-2 TABLE N5.4-3 |
| b. Shop cut and finished surfaces in accordance with AISC 360, section M2. | Per AISC | TABLE N5.6-1 TABLE N5.6-2 |
| c. Shop heating for straightening, cambering and curving in accordance with AISC 360, Section M2.1. | Per AISC | TABLE N5.6-3 TABLE N6.1 |
| d. Tolerances for shop fabrication in accordance with the Code of Standard Practice, Section 6. | Per AISC | 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. | Per AISC | AISC 360 Chp. M&N TABLE N5.4-1 |
| b. Steel deck and headed steel stud anchor placement and attachment in accordance with AISC 360, Section N6. | Per AISC | TABLE N5.4-2 TABLE N5.4-3 |
| c. Field cut surfaces in accordance with AISC 360, Section M2.2. | Per AISC | TABLE N5.6-1 TABLE N5.6-2 |
| d. Field heating for straightening in accordance with AISC 360, Section M2.1. | Per AISC | TABLE N5.6-3 TABLE N6.1 |
| e. Tolerances for field erection in accordance with the Code of Standard Practice, Section 7.13. | Per AISC | 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 |

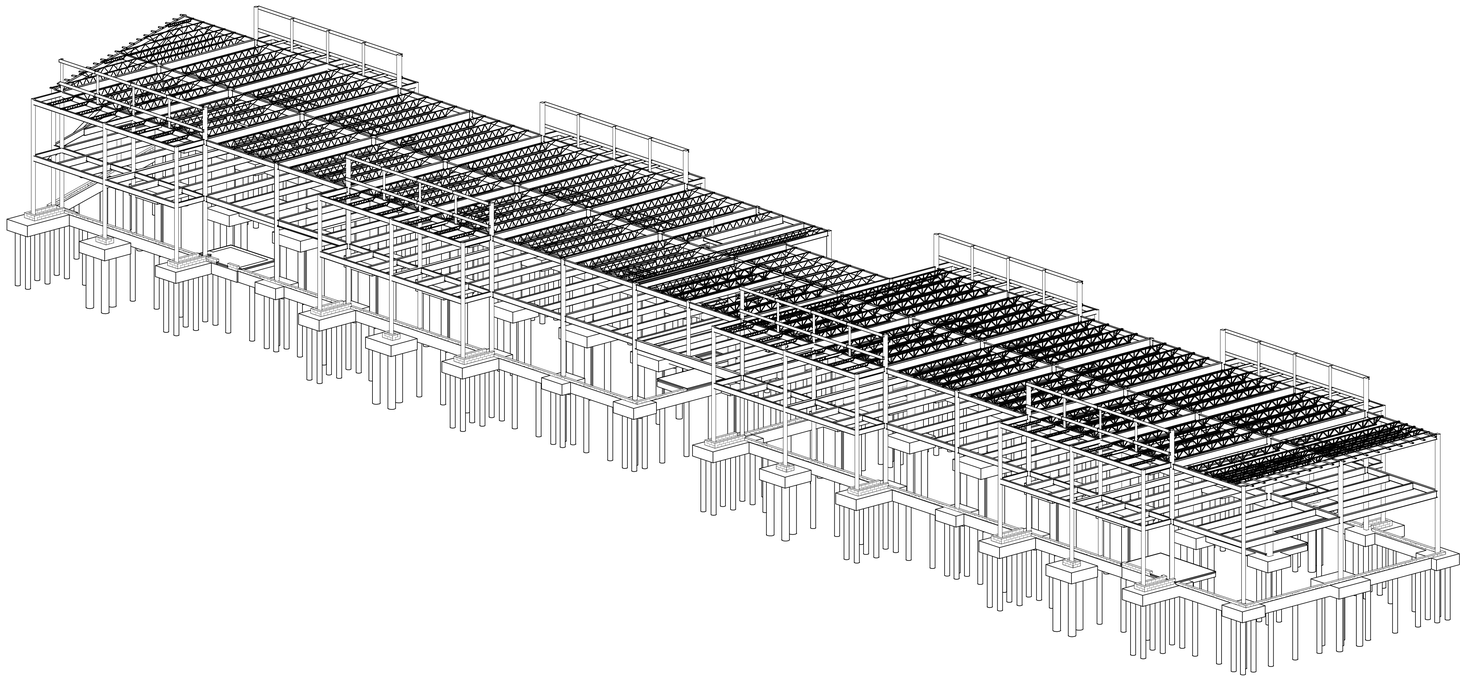


NOTES:

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



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ISOMETRIC | 02

S0.1

C:\Users\Julie.Markham\Documents\19-354 Paragon - Lee's Summit, MO_jmarkham@bsestructural.com.rvt

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN N. BUSEN
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

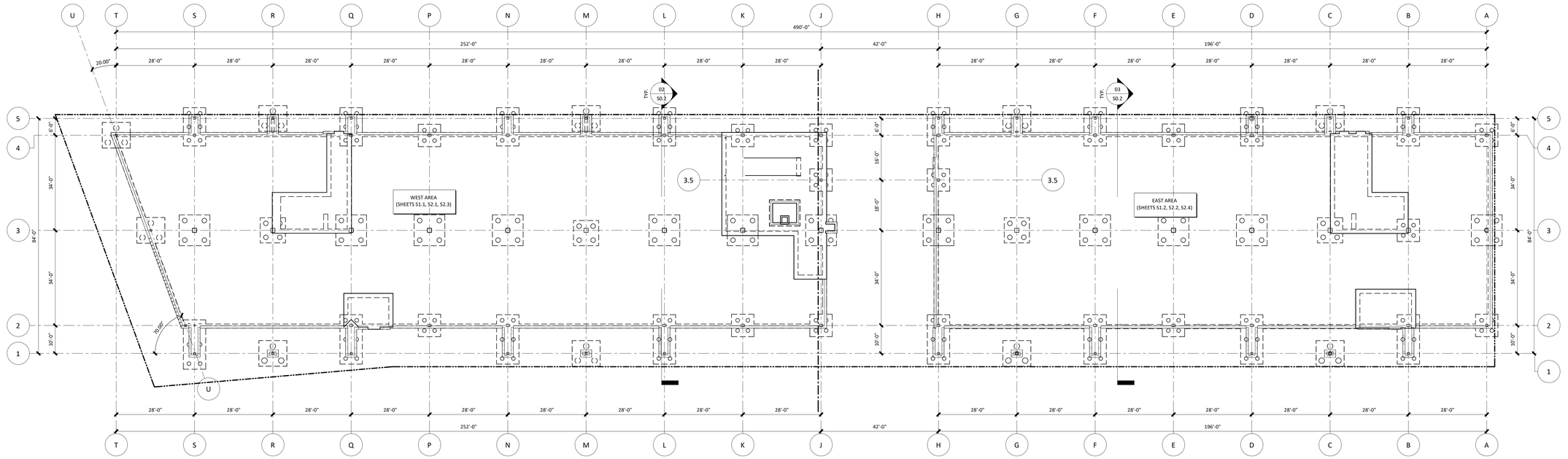
BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

ISOMETRIC

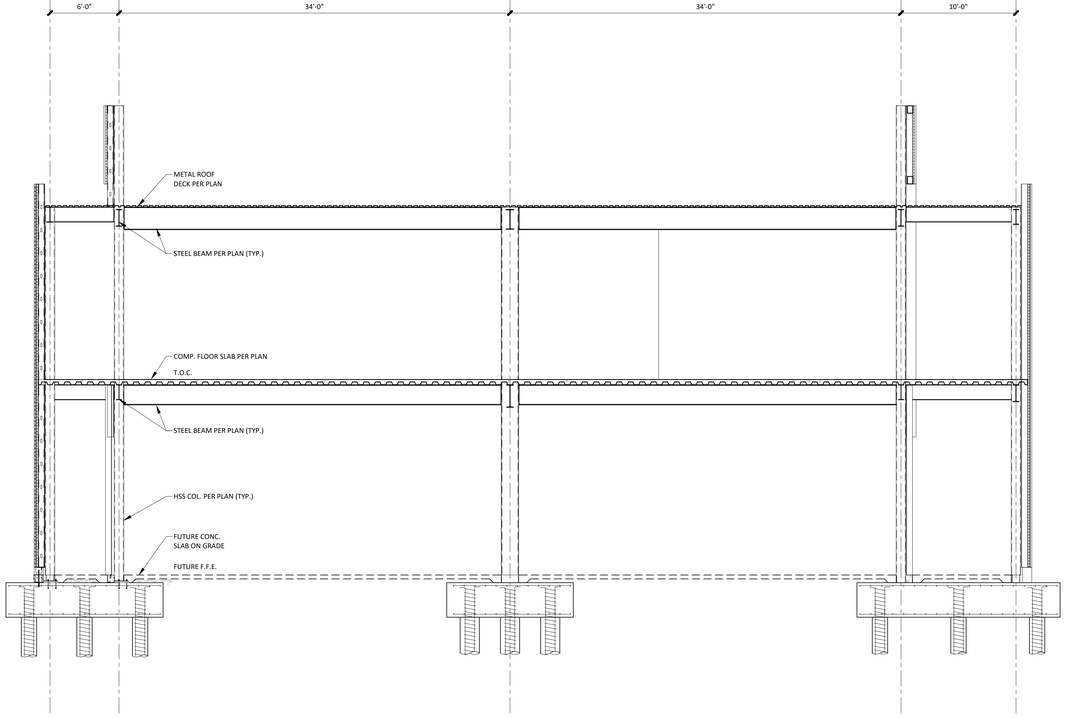
SHEET NUMBER

S0.1




OVERALL PLAN | 01
1/16" = 1'-0" | S0.2

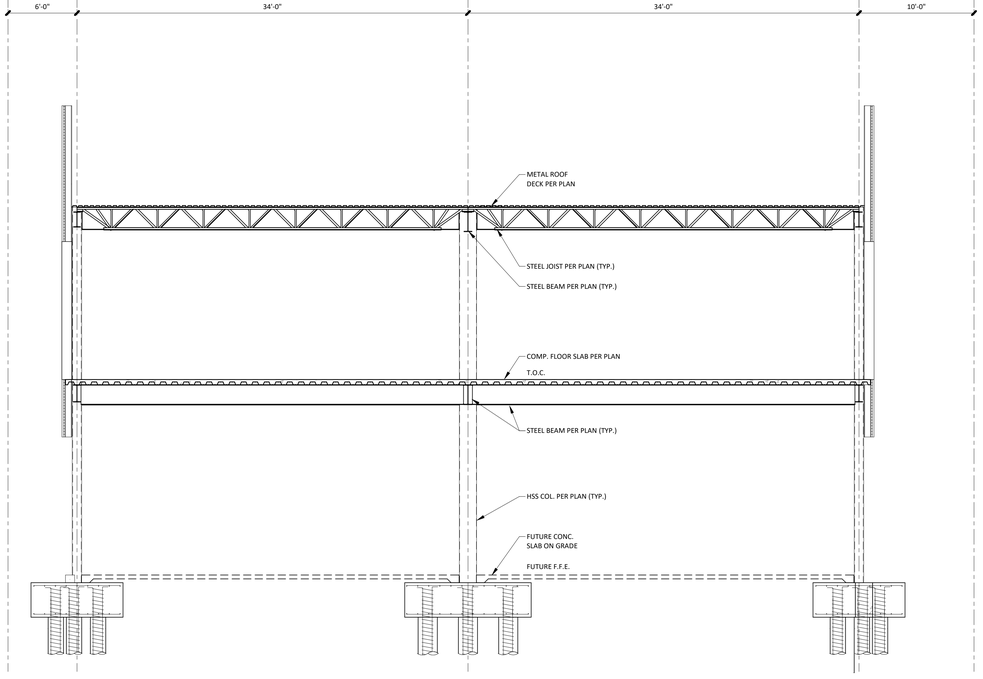
N




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

C:\Users\Julie Markham\Documents\19-354 Paragon - Lee's Summit, MO_jmarkham@bsestructural.com.rvt

paragon star

# PARAGON STAR
# BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
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REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN N BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

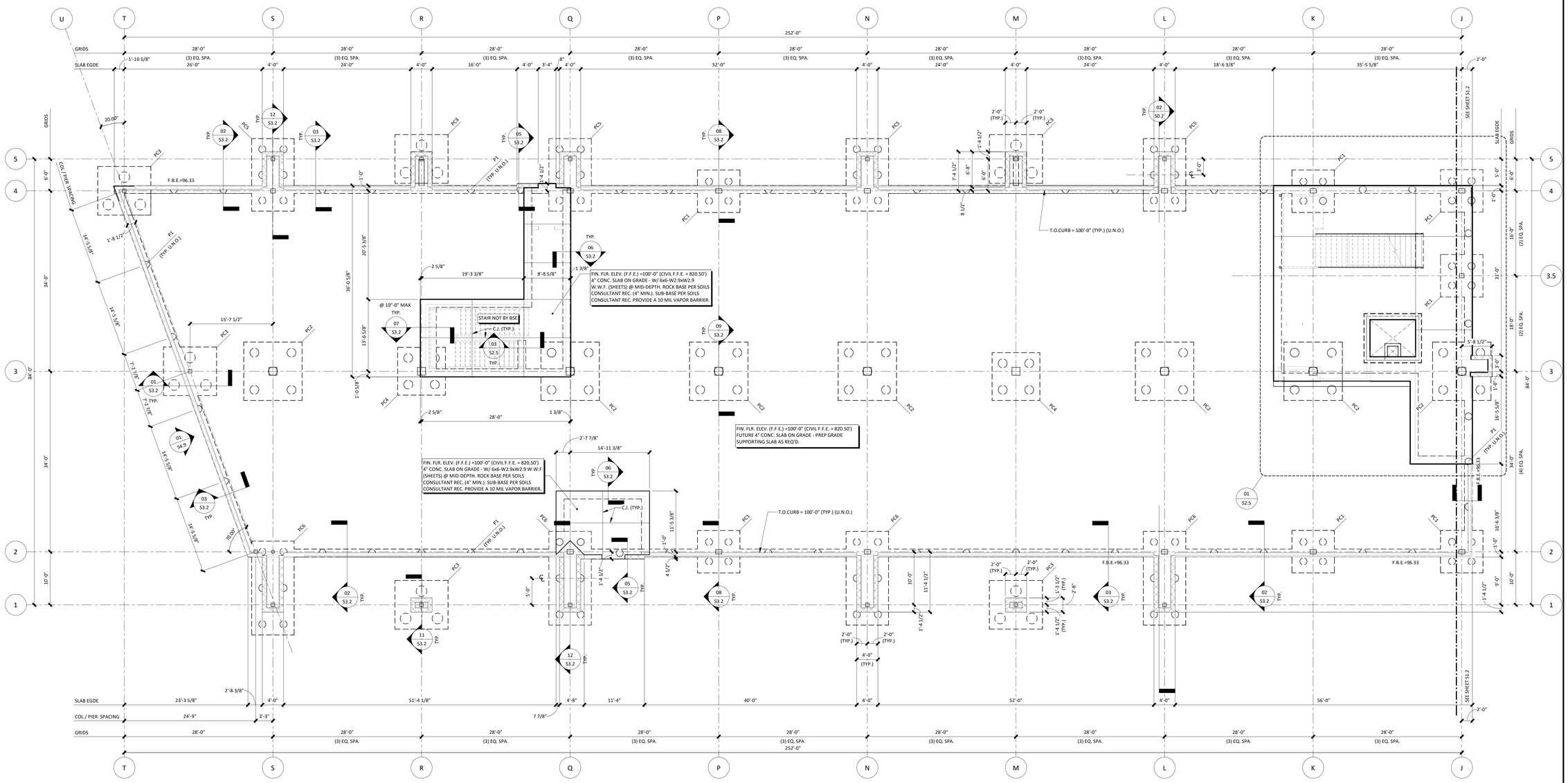
BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

OVERALL PLAN

SHEET NUMBER

S0.2




| DRILLED PIER SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MARK | PIER DIAMETER | VERT. REINFORCEMENT | PIER TIES | T.O.C. | PIER CAP DIMENSIONS | PIER CAP REINFORCEMENT | MIN. EMBED INTO ROCK (WHICHEVER OCCURS FIRST) | |
| | | | | | | | TAN | GRAY |
| P1 | 16" | PER S3.3 | PER S3.3 | | | | | P1 |

| PIER CAP SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MARK | DIMENSIONS | TYPE | REINFORCEMENT | NUMBER OF PILES | T.O.C. | T.O.P. | PILE Ø | PILE REINFORCEMENT | COMMENTS |
| P1 | PER S3.3 | | #6 @ 8" SPA. EA. WAY TOP & BOTT. | | | | | PER S3.3 | |
| PC1 | 8'-0" x 8'-0" x 3'-0" | PER S3.3 | #6 @ 8" SPA. EA. WAY TOP & BOTT. | 4 | 99.33 | 96.33 | 16" | PER S3.3 | |
| PC2 | 11'-0" x 11'-0" x 3'-0" | PER S3.3 | #6 @ 7" SPA. EA. WAY TOP & BOTT. | 5 | 99.33 | 96.33 | 20" | PER S3.3 | |
| PC3 | 9'-2" x 10'-0" x 3'-0" | PER S3.3 | #6 @ 8" SPA. EA. WAY TOP & BOTT. | 3 | 99.33 | 96.33 | 24" | PER S3.3 | |
| PC4 | 9'-0" x 9'-0" x 3'-0" | PER S3.3 | #6 @ 7" SPA. EA. WAY TOP & BOTT. | 4 | 99.33 | 96.33 | 20" | PER S3.3 | |
| PC5 | 8'-0" x 13'-8" x 3'-0" | PER S3.3 | #6 @ 8" SPA. EA. WAY TOP & BOTT. | 6 | 99.33 | 96.33 | 16" | PER S3.3 | |
| PC6 | 8'-0" x 17'-8" x 3'-0" | PER S3.3 | #6 @ 8" SPA. EA. WAY TOP & BOTT. | 6 | 99.33 | 96.33 | 16" | PER S3.3 | |

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.) REFER TO GEOTECHNICAL REPORT FOR BEHIND WALL DRAINAGE RECOMMENDATIONS. COORD. W/ CIVIL AS REQ'D. REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION WATERPROOFING & INSULATION REQUIREMENTS.

9.) 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"

paragon star

PARAGON STAR
BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

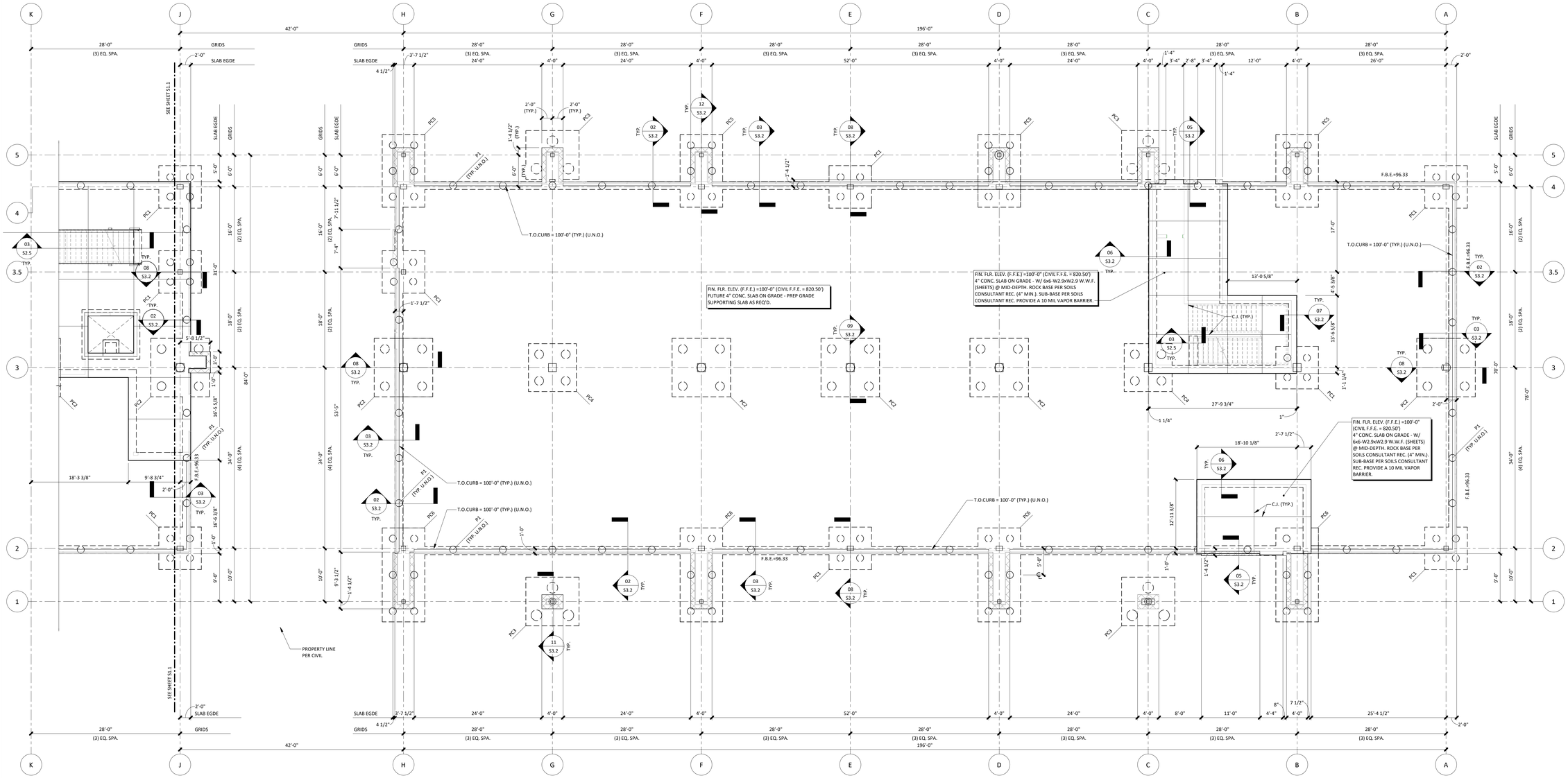
BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

FOUNDATION PLAN - WEST

SHEET NUMBER

S1.1




| DRILLED PIER SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MARK | PIER DIAMETER | VERT. REINFORCEMENT | PIER TIES | T.O.C. | PIER CAP DIMENSIONS | PIER CAP REINFORCEMENT | MIN. EMBED INTO ROCK (WHICHEVER OCCURS FIRST) TAN | GRAY |
| P1 | 16" | PER S3.3 | PER S3.3 | | | | | P1 |

| PIER CAP SCHEDULE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MARK | DIMENSIONS | TYPE | REINFORCEMENT | NUMBER OF PILES | T.O.C. | T.O.P. | PILE Ø | PILE REINFORCEMENT | COMMENTS |
| P1 | PER S3.3 | | #6 @ 8" SPA. EA. WAY TOP & BOTT. | | | | | PER S3.3 | |
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| PC2 | 11'-0" x 11'-0" x 3'-0" | PER S3.3 | #6 @ 7" SPA. EA. WAY TOP & BOTT. | 5 | 99.33 | 96.33 | 20" | PER S3.3 | |
| PC3 | 9'-2" x 10'-0" x 3'-0" | PER S3.3 | #6 @ 8" SPA. EA. WAY TOP & BOTT. | 3 | 99.33 | 96.33 | 24" | PER S3.3 | |
| PC4 | 9'-0" x 9'-0" x 3'-0" | PER S3.3 | #6 @ 7" SPA. EA. WAY TOP & BOTT. | 4 | 99.33 | 96.33 | 20" | PER S3.3 | |
| PC5 | 8'-0" x 13'-8" x 3'-0" | PER S3.3 | #6 @ 8" SPA. EA. WAY TOP & BOTT. | 6 | 99.33 | 96.33 | 16" | PER S3.3 | |
| PC6 | 8'-0" x 17'-8" x 3'-0" | PER S3.3 | #6 @ 8" SPA. EA. WAY TOP & BOTT. | 6 | 99.33 | 96.33 | 16" | PER S3.3 | |

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.) REFER TO GEOTECHNICAL REPORT FOR BEHIND WALL DRAINAGE RECOMMENDATIONS. COORD. W/ CIVIL AS REQ'D. REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION WATERPROOFING & INSULATION REQUIREMENTS.

9.) COAT ALL EXPOSED STEEL BELOW GRADE W/ COAL TAR EPOXY OR FULLY ENCASE IN GROUT

KEY PLAN

WEST AREA | EAST AREA

FOUNDATION PLAN - EAST | 01
1/8" = 1'-0" | S1.2

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN N. BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

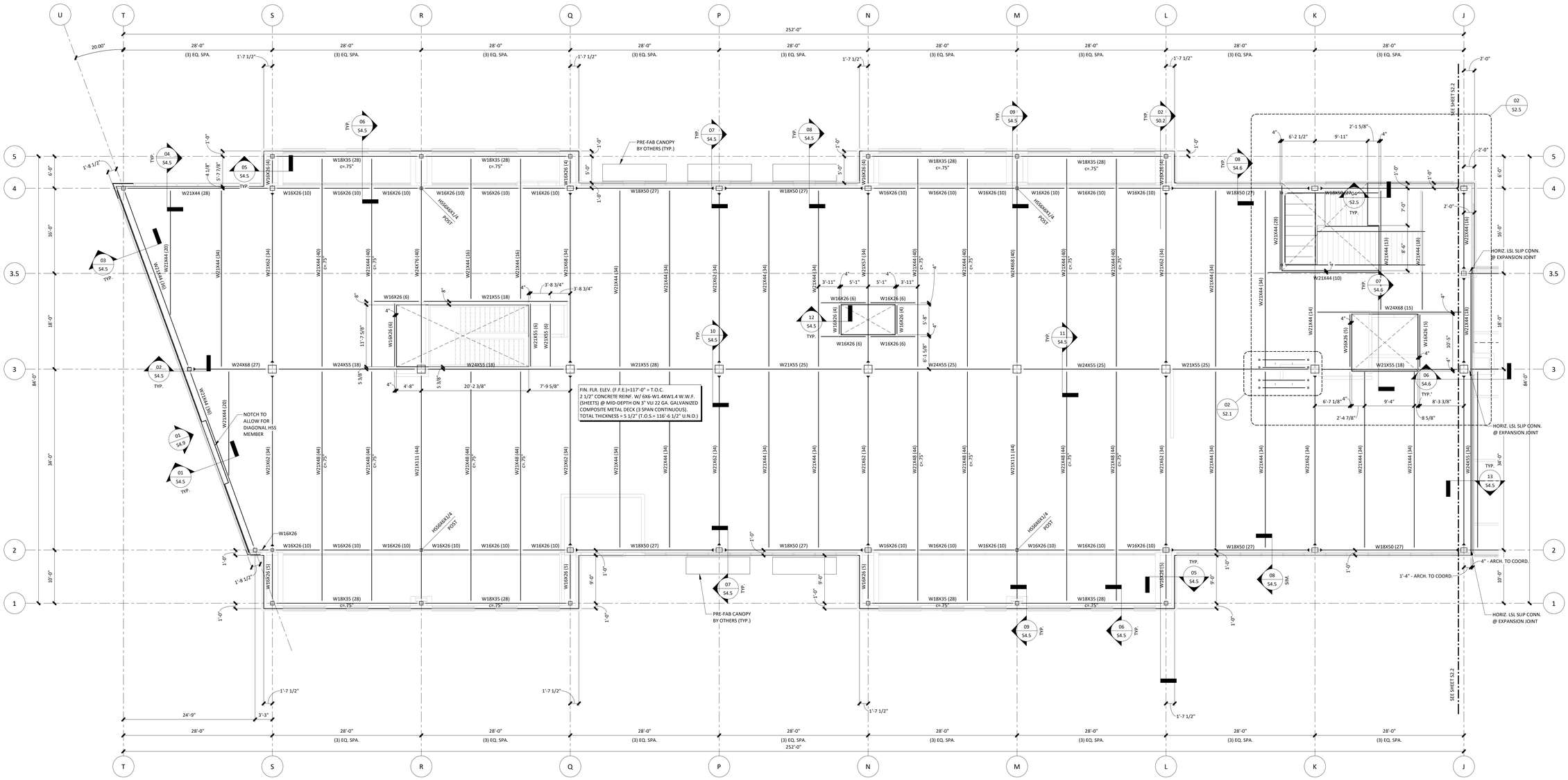

BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

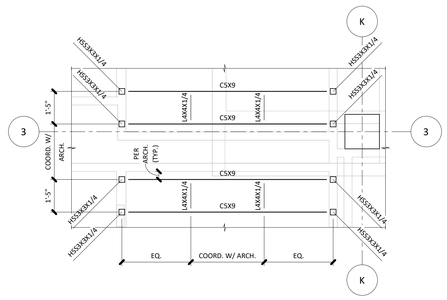

SHEET TITLE

FOUNDATION PLAN - EAST

SHEET NUMBER

S1.2




BATHROOM SINK DETAIL | 02
3/8" = 1'-0" | S2.1

2ND FLOOR FRAMING PLAN - WEST | 01
1/8" = 1'-0" | S2.1

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


paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION


PROJECT TEAM

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

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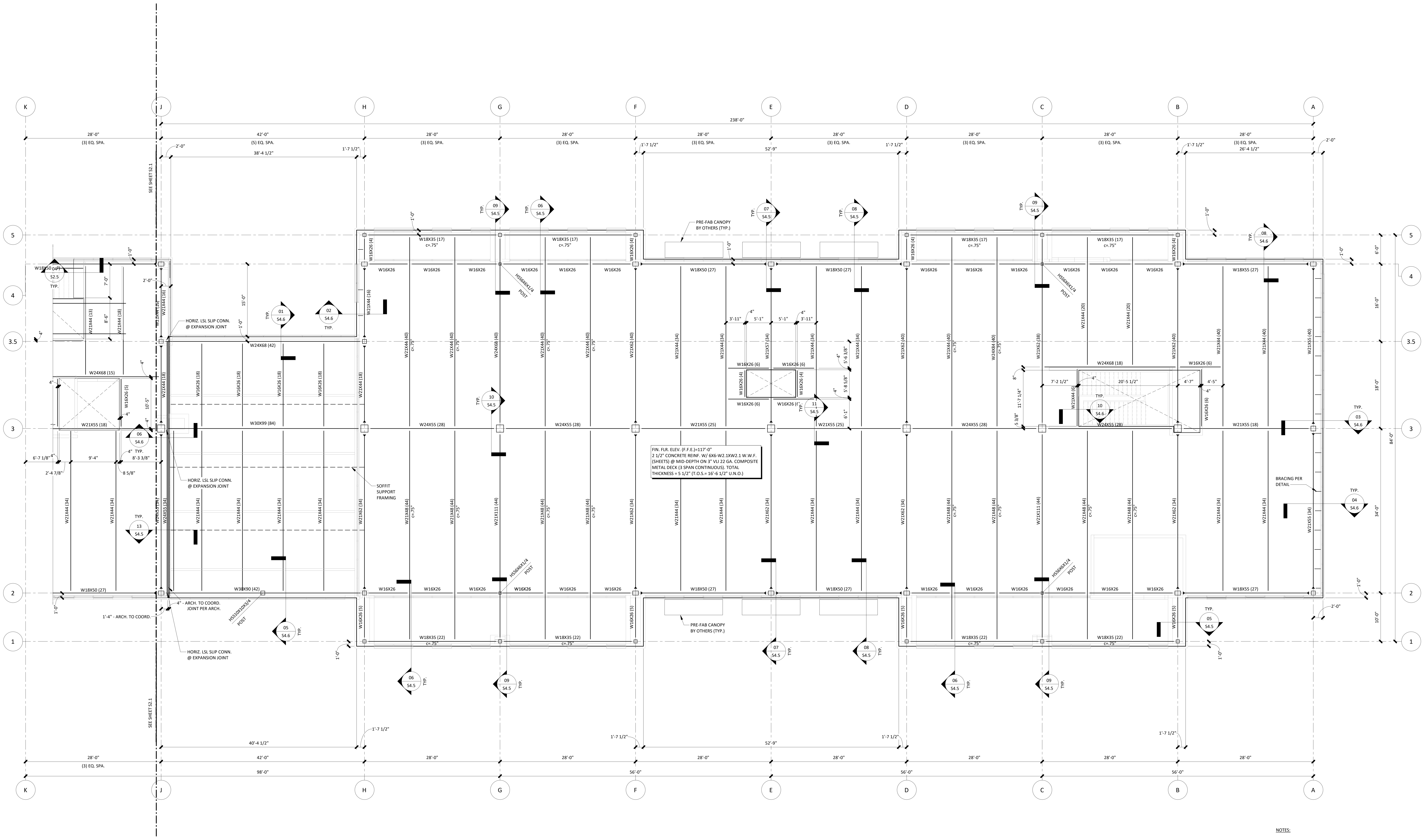
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

2ND FLOOR FRAMING PLAN - WEST

SHEET NUMBER

S2.1



FIN. FLR. ELEV. (F.F.E.)=117'-0"
2 1/2" CONCRETE REINF. W/ 6X6-W2.1XW2.1 W.W.F. (SHEETS) @ MID-DEPTH ON 3" VLI 22 GA. COMPOSITE METAL DECK (3 SPAN CONTINUOUS). TOTAL THICKNESS = 5 1/2" (T.O.S.= 16'-6 1/2" U.N.O.)

2ND FLOOR FRAMING PLAN - EAST | 01
1/8" = 1'-0" | S2.2

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.

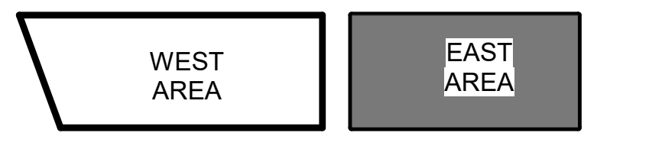
7.) ATTACH COMPOSITE METAL DECK W/ 5/8" PUDDLE WELD IN A 36/4 PATTERN & (2) WELDED SIDE LAP FASTENERS PER SPAN.

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



C:\Users\Julie Markham\Documents\19-354 Paragon - Lee's Summit, MO_jmarkham@bsestructural.com.rvt

# PARAGON STAR
# BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STEVEN N. BUSEY
NUMBER E-25462
06-02-22

PROJECT TEAM

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

BSE STRUCTURAL ENGINEERS

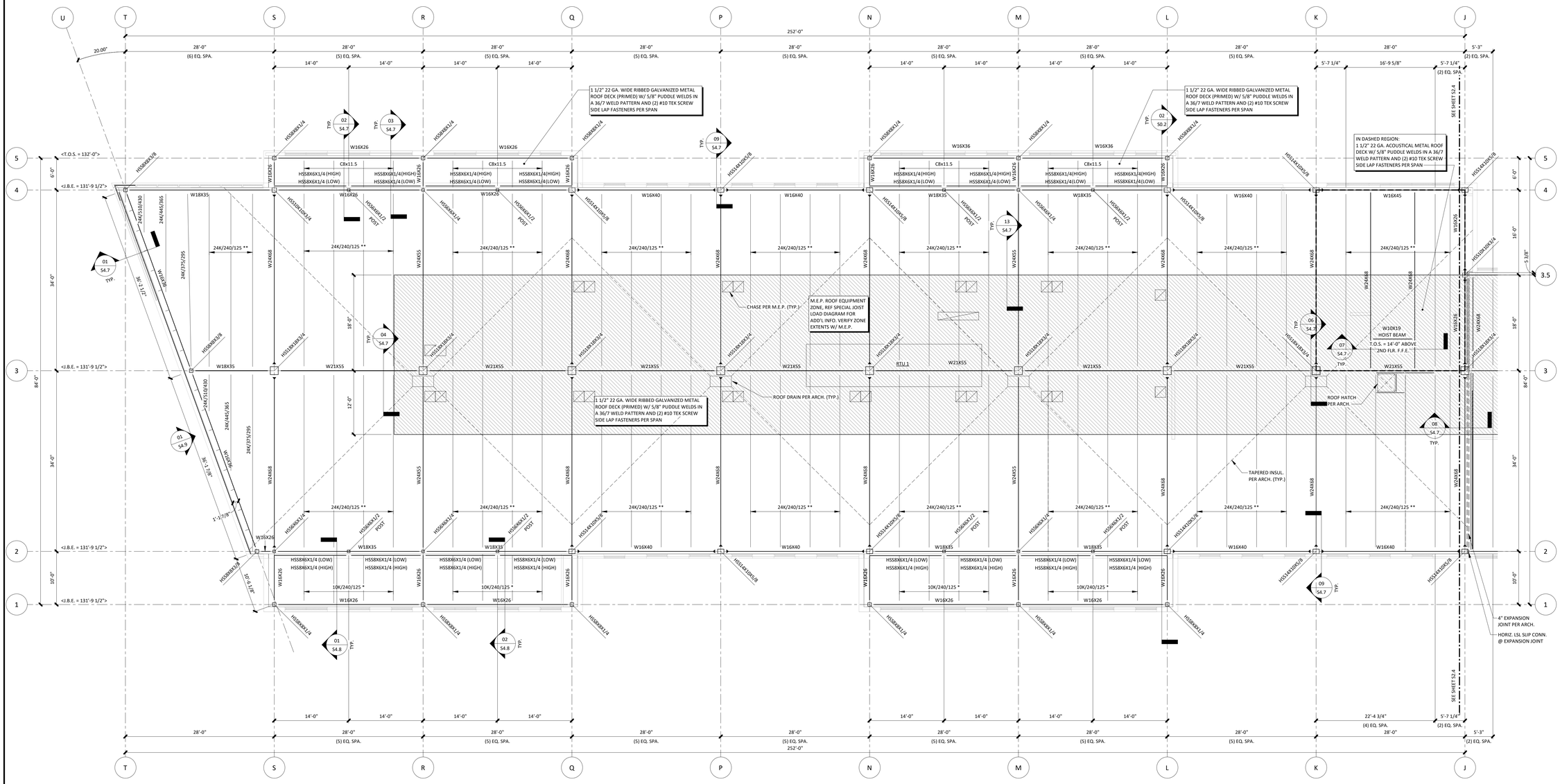
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

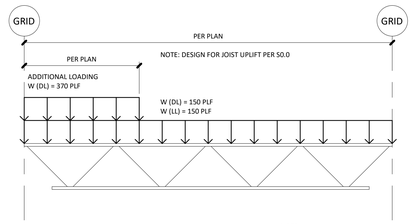
SHEET TITLE

## 2ND FLOOR FRAMING PLAN - EAST

SHEET NUMBER

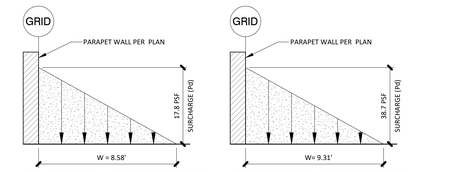
S2.2




SPECIAL JOIST LOAD DIAGRAM

3/4" = 1'-0"




*SNOW DRIFT LOADS SHALL BE SUPERIMPOSED ONTO THE FLAT ROOF SNOW LOADS

**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 & MECHANICAL DRAWINGS TO VERIFY SIZE & LOCATIONS OF ALL ROOF & WALL OPENINGS AND ROOF SCREWS.

5.) PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS.

6.) * & ** = JOIST TO BE DESIGNED FOR ADDITONAL SNOW DRIFT - SEE SNOW DRIFT DETAIL.

7.) JOIST & BRIDGING SHALL BE DESIGNED FOR UPLIFT PER GENERAL NOTES.

KEY PLAN


ROOF FRAMING PLAN - WEST | 01

1/8" = 1'-0" | S2.3

N

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN B. BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

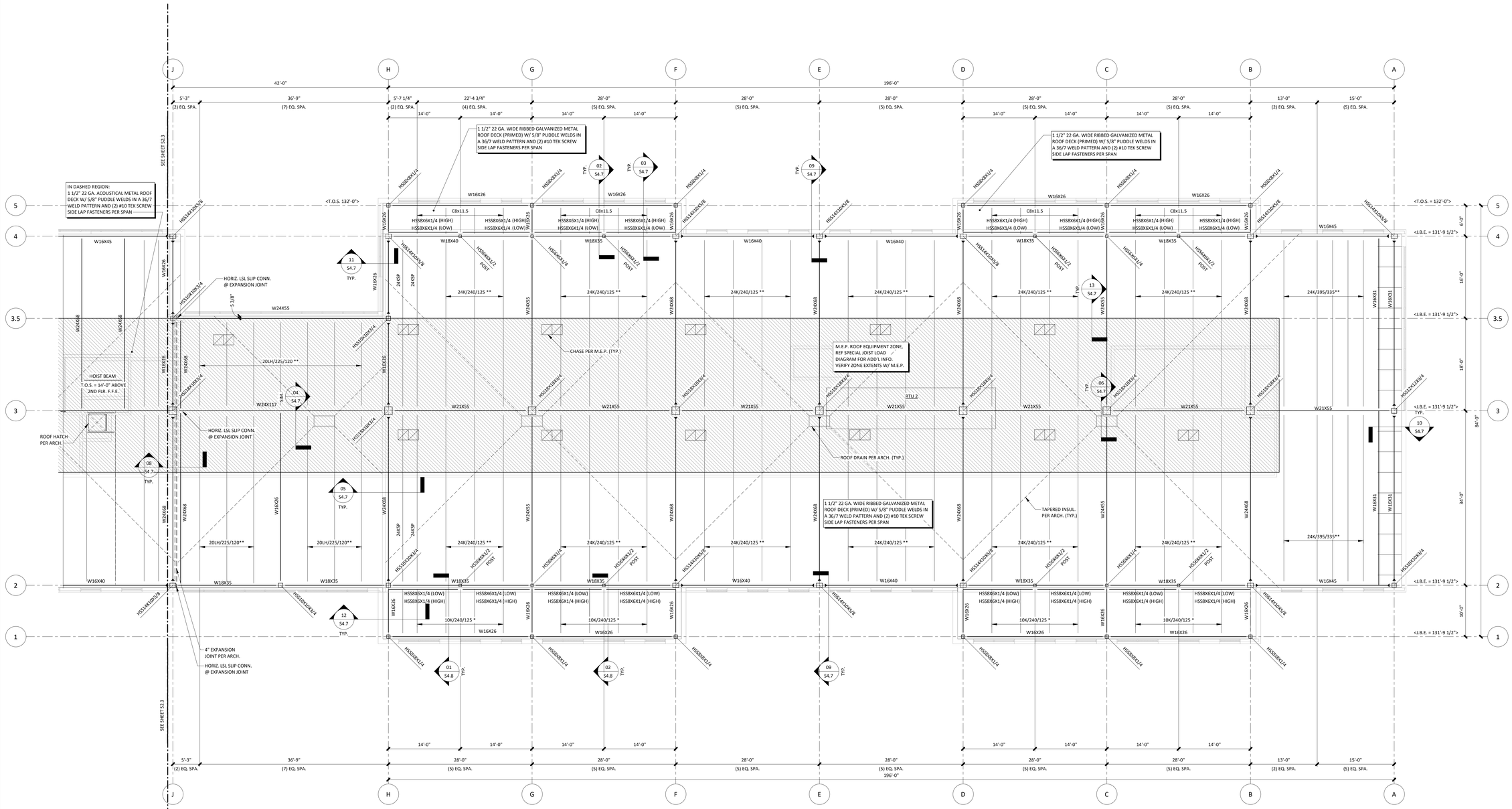
BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

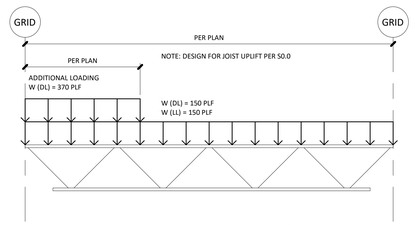
SHEET TITLE

ROOF FRAMING PLAN - WEST

SHEET NUMBER

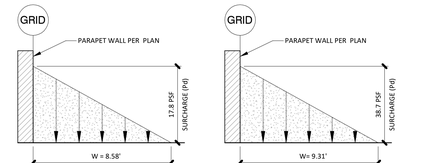
S2.3




SPECIAL JOIST LOAD DIAGRAM

3/4" = 1'-0"




*SNOW DRIFT LOADS SHALL BE SUPERIMPOSED ONTO THE FLAT ROOF SNOW LOADS

**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 & MECHANICAL DRAWINGS TO VERIFY SIZE & LOCATIONS OF ALL ROOF & WALL OPENINGS AND ROOF SCREWS.

5.) PROVIDE JOIST BRIDGING PER SJI REQUIREMENTS.

6.) * & ** = JOIST TO BE DESIGNED FOR ADDITIONAL SNOW DRIFT - SEE SNOW DRIFT DETAIL.

7.) JOIST & BRIDGING SHALL BE DESIGNED FOR UPLIFT PER GENERAL NOTES.

KEY PLAN


ROOF FRAMING PLAN - EAST | 01 S2.4

1/8" = 1'-0"

N

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
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REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN N. BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

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

SHEET TITLE

ROOF FRAMING PLAN - EAST

SHEET NUMBER

S2.4

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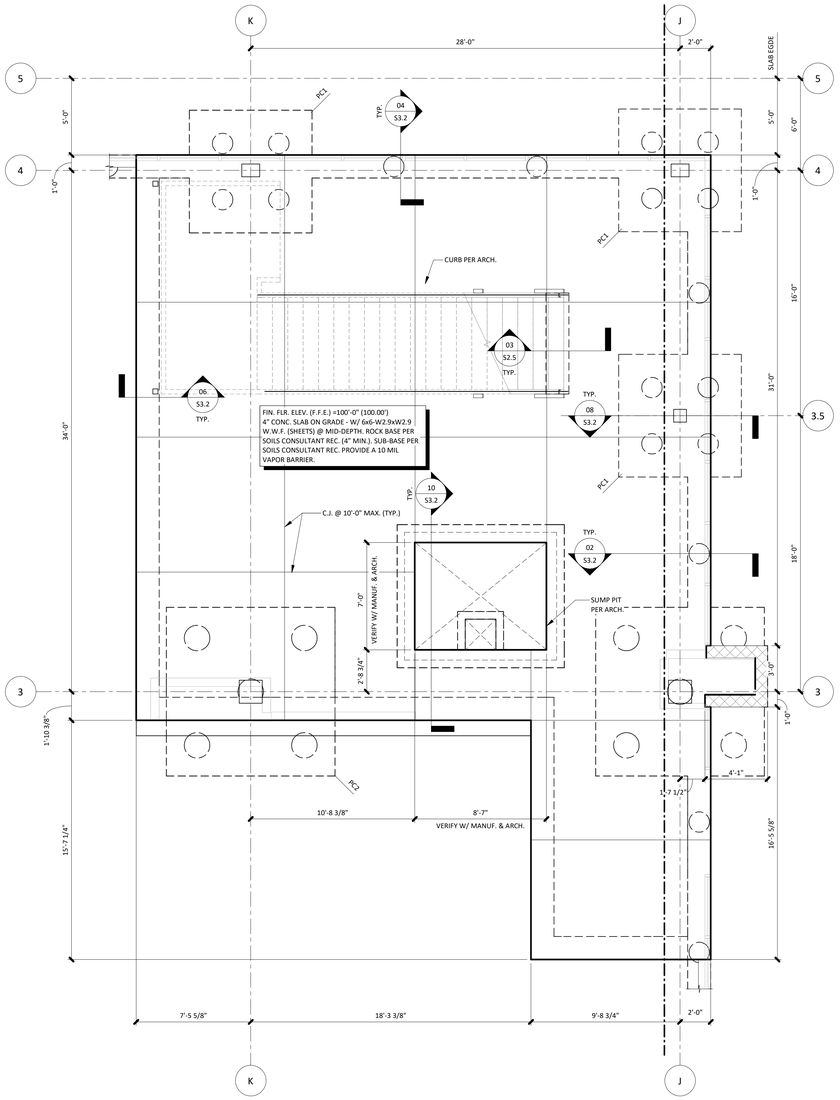
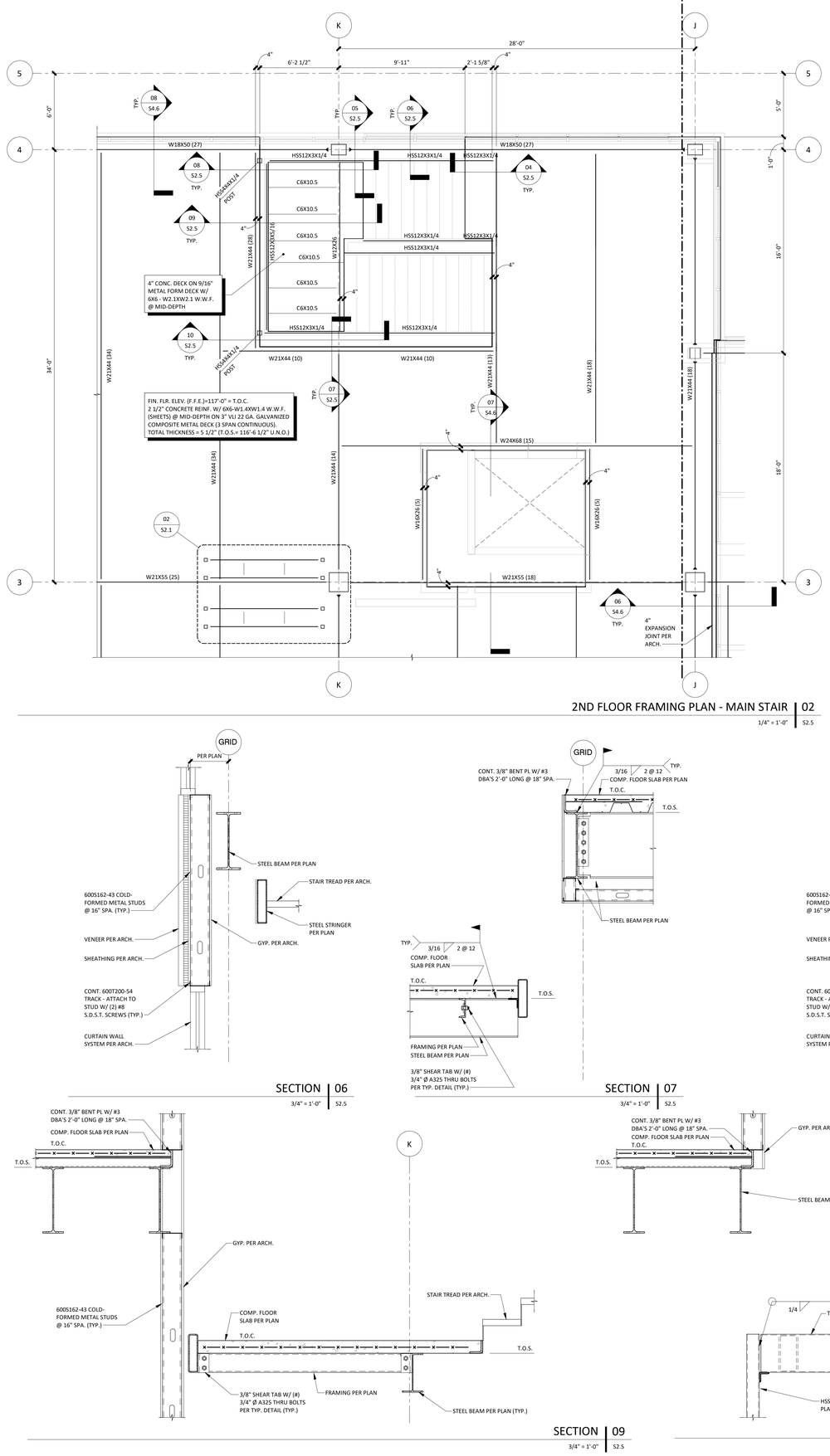
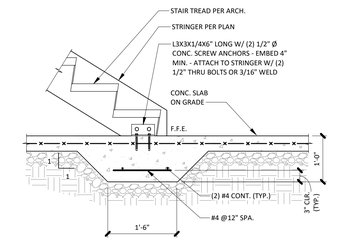


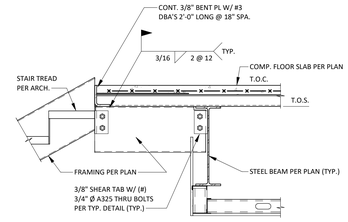

FOUNDATION PLAN - WEST - STAIR | 01
1/4" = 1'-0" | S2.5




2ND FLOOR FRAMING PLAN - MAIN STAIR | 02
1/4" = 1'-0" | S2.5




SECTION | 03
3/4" = 1'-0" | S2.5



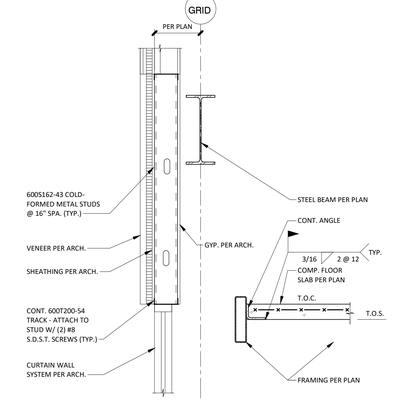

SECTION | 04
3/4" = 1'-0" | S2.5



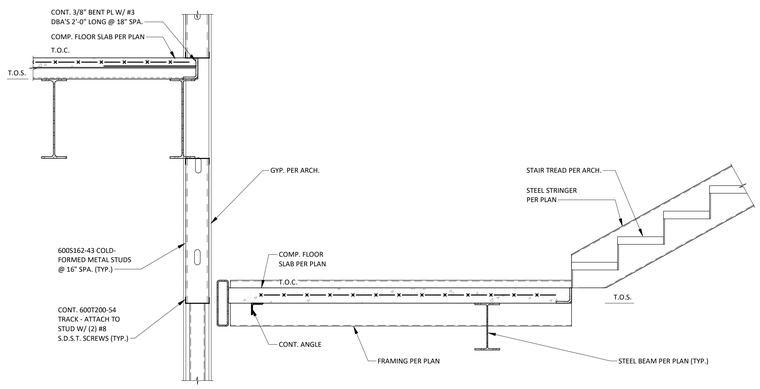

SECTION | 06
3/4" = 1'-0" | S2.5




SECTION | 07
3/4" = 1'-0" | S2.5



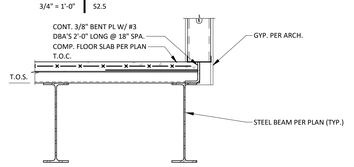

SECTION | 05
3/4" = 1'-0" | S2.5

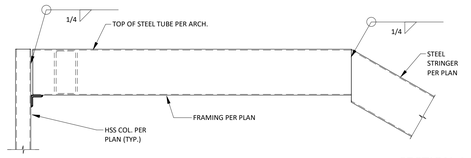



SECTION | 08
3/4" = 1'-0" | S2.5




SECTION | 09
3/4" = 1'-0" | S2.5




SECTION | 10
3/4" = 1'-0" | S2.5

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01a |
| Date: | 06.02.22 |
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REVISIONS

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|---|---|---|

REGISTRATION

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STEVEN N. BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

BSE STRUCTURAL ENGINEERS

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

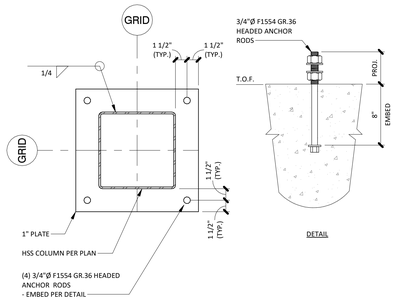
SHEET TITLE

MAIN STAIR FRAMING

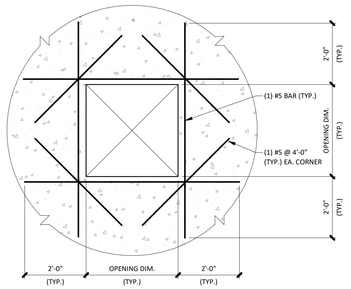
SHEET NUMBER

S2.5

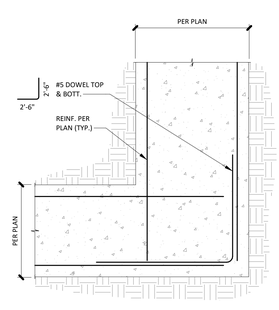
NOTES:
1.) FOR STANDARD SIZE HOLES, PROVIDE ASTM F844 (USS STANDARD) WASHERS. FOR HOLES THAT ARE MORE THAN 5/16" LARGER THAN ANCHOR ROD DIAMETER, PROVIDE PLATE WASHERS BETWEEN NUT & PLATE PER TABLE 14-2 IN AISC STANDARD.
2.) FOR ANCHORS RODS 1" DIAMETER AND LARGER, PROVIDE PLATE WASHERS BETWEEN NUT &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

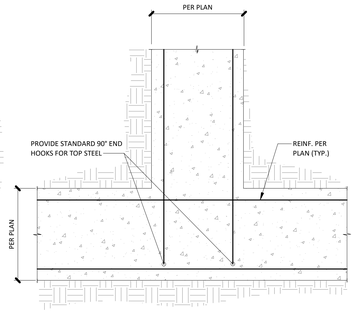



## TYP. ANCHOR ROD & BASE PLATE DETAIL | 01
1 1/2" = 1'-0" | S3.1



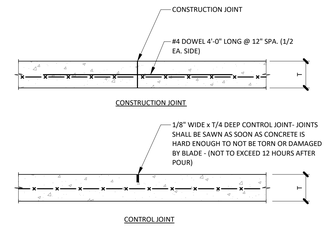

## TYP. SLAB OPENING DETAIL | 02
1/2" = 1'-0" | S3.1



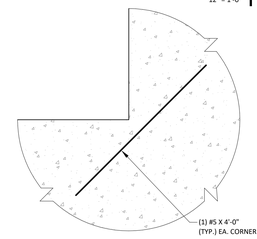

## TYP. GRADE BEAM DETAILS | 03
3/4" = 1'-0" | S3.1

| STANDARD HOOK TABLE | |
|---|---|
| BAR SIZE | HOOK |
| #4 | 8 in. |
| #5 | 10 in. |
| #6 | 12 in. |
| #7 | 14 in. |
| #8 | 16 in. |

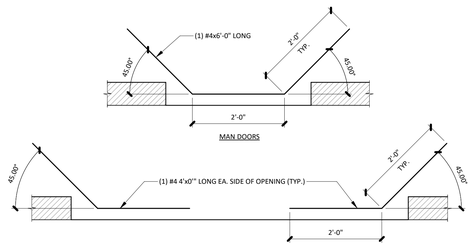



## TYP. CONTROL & CONST. JOINT DETAIL | 04
3/4" = 1'-0" | S3.1

## 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

| 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 | 08
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 SHALL BE THE LARGER OF THE DEVELOPMENT LENGTH OF THE LARGER BAR, OR THE SPLICE LENGTH OF THE SMALLER BAR.

## COMPRESSION DEVEL. & LAP SPLICE TABLE | 09
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)

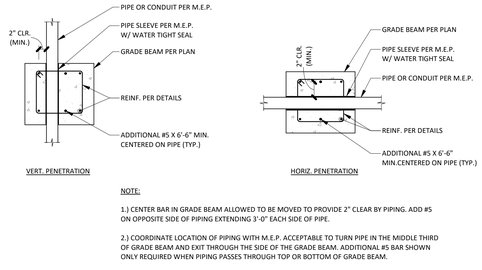
6. LAP CLASS B SHALL BE USED FOR ALL CASES UNLESS APPROVED BY E.O.R

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 | 10
1/2" = 1'-0" | S3.1



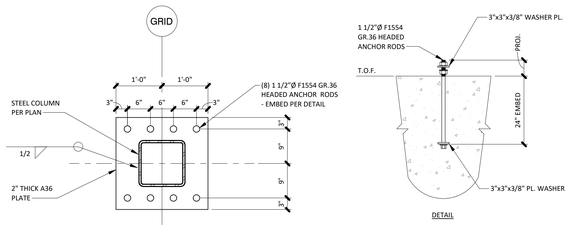

NOTE:

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.

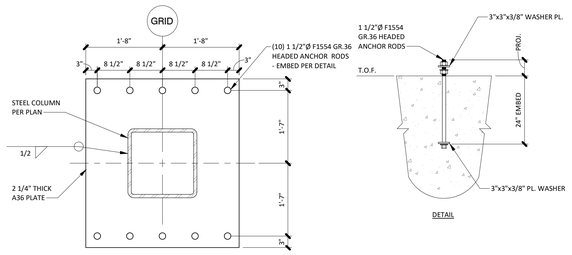
## TYPICAL GRADE BEAM PENETRATION DETAILS | 11
3/4" = 1'-0" | S3.1

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.



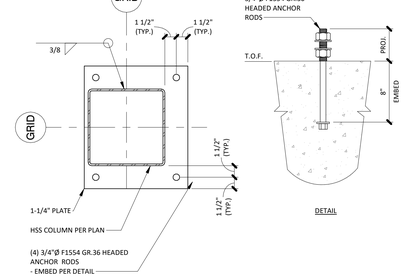

## TYP. BASE PLATE DETAIL - 12" MOMENT FRAME COLUMN | 12
3/4" = 1'-0" | S3.1

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.



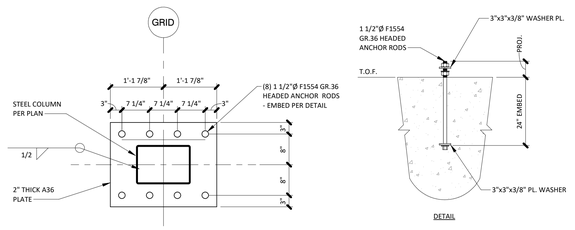

## TYP. BASE PLATE DETAIL - 18" MOMENT FRAME COLUMN | 13
3/4" = 1'-0" | S3.1

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 WASHER TO TOP OF BASE PLATE WITH 3/16" FILLET WELD.




## TYP. OFFSET ANCHOR ROD & BASE PLATE DETAIL | 14
1 1/2" = 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 - 14" MOMENT FRAME COLUMN | 15
3/4" = 1'-0" | S3.1


paragon star

PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN N. BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

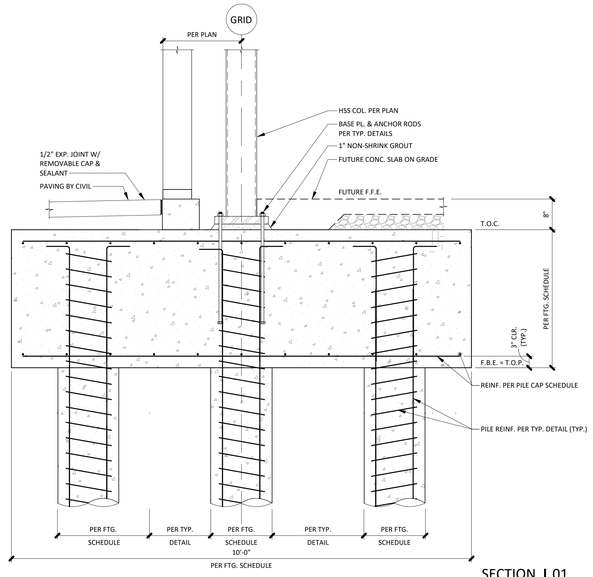
BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125


SHEET TITLE

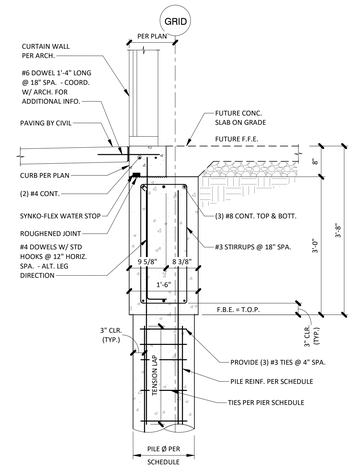
TYPICAL FOUNDATION DETAILS

SHEET NUMBER

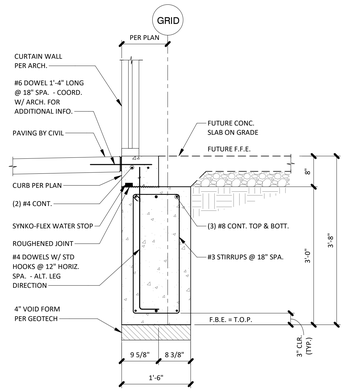
S3.1



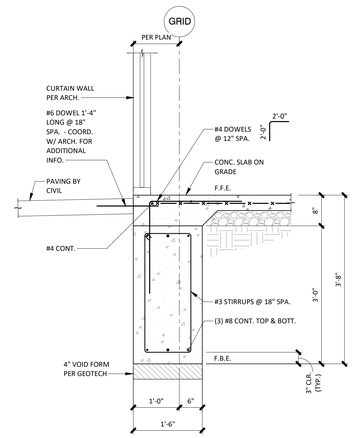

SECTION | 01
3/4" = 1'-0" | S3.2



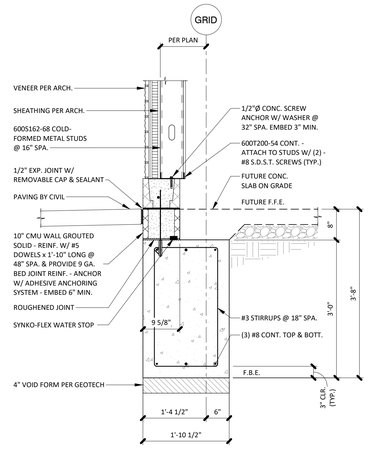

SECTION | 02
3/4" = 1'-0" | S3.2



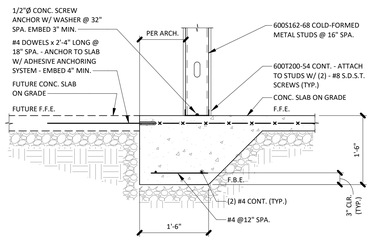

SECTION | 03
3/4" = 1'-0" | S3.2



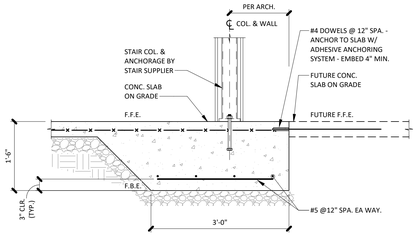

SECTION | 04
3/4" = 1'-0" | S3.2



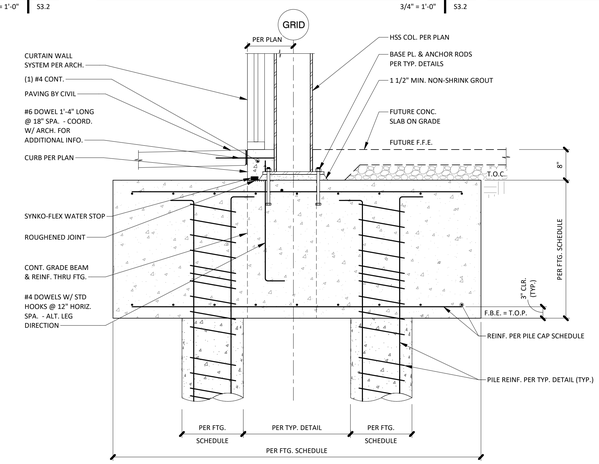

SECTION | 05
3/4" = 1'-0" | S3.2



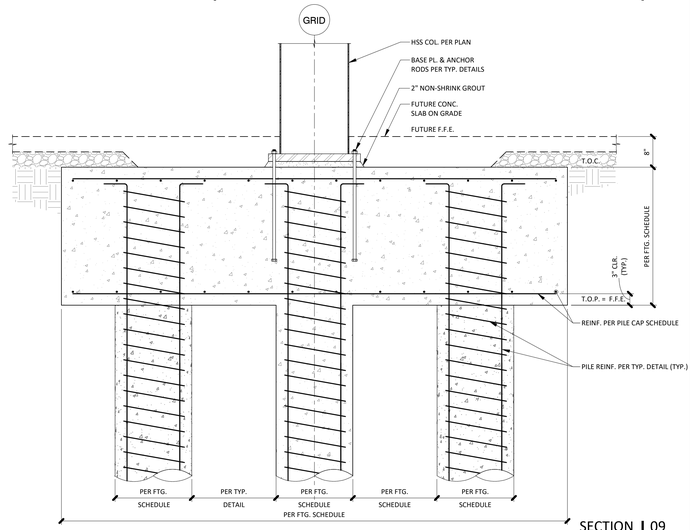

SECTION | 06
3/4" = 1'-0" | S3.2



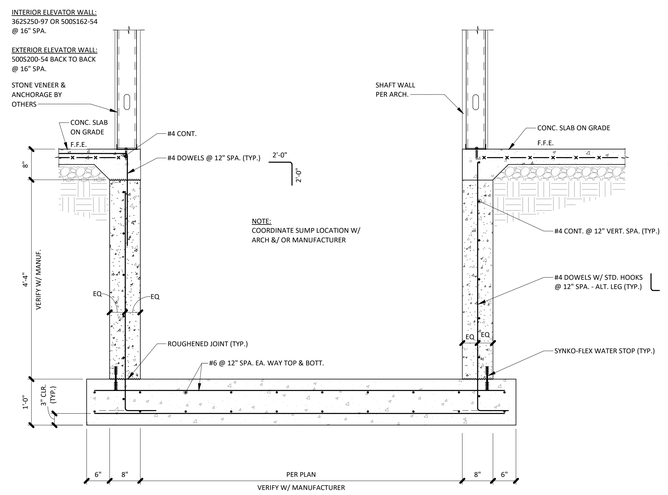

SECTION | 07
3/4" = 1'-0" | S3.2



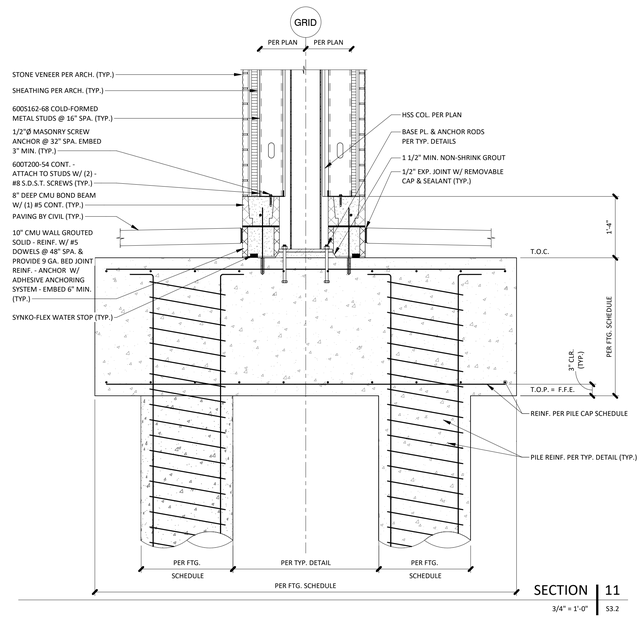

SECTION | 08
3/4" = 1'-0" | S3.2



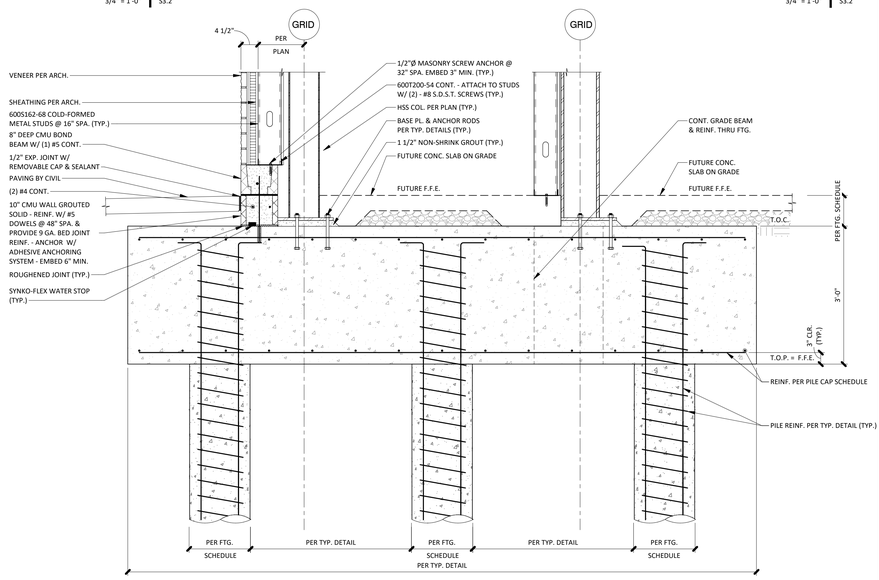

SECTION | 09
3/4" = 1'-0" | S3.2




SECTION | 10
3/4" = 1'-0" | S3.2




SECTION | 11
3/4" = 1'-0" | S3.2




SECTION | 12
3/4" = 1'-0" | S3.2

C:\Users\Julie Markham\Documents\19-354 Paragon - Lee's Summit_MO_jmarkham@bsestructural.com.rvt

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

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| LANDSCAPE | LAND 3 |
| FOUNDATIONS | BSE STRUCTURAL ENGINEERS |
| STRUCTURAL | BSE STRUCTURAL ENGINEERS |
| PLUMBING | HENDERSON ENGINEERS |
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| FIRE PROTECTION | HENDERSON ENGINEERS |
| CONTRACTOR | GC |

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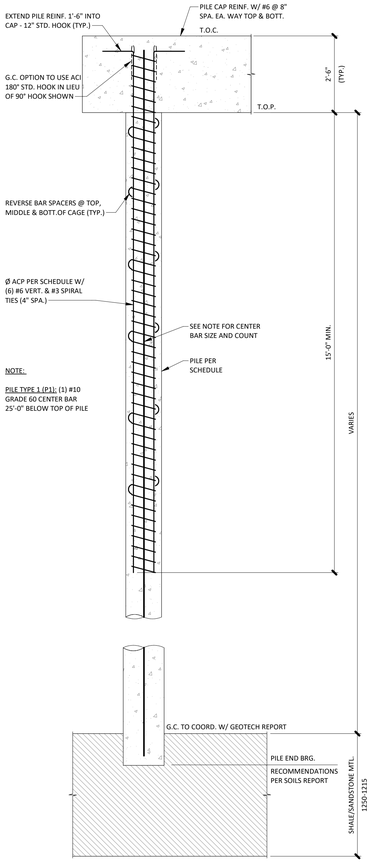
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

FOUNDATION DETAILS

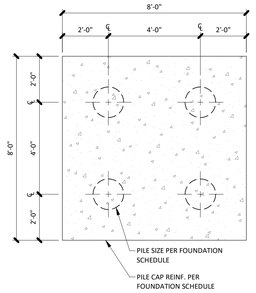
SHEET NUMBER

S3.2



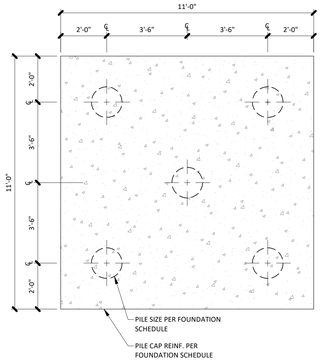

PILE EMBEDMENT DETAIL | 01

1/2" = 1'-0" | S3.3



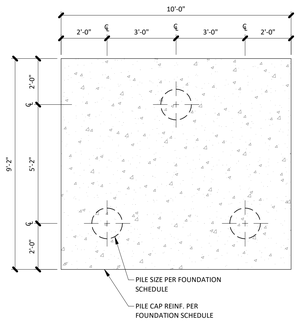

TYP. PILE CAP DETAIL - PC1 | 02

3/8" = 1'-0" | S3.3



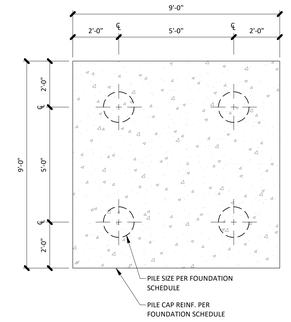

TYP. PILE CAP DETAIL - PC2 | 03

3/8" = 1'-0" | S3.3



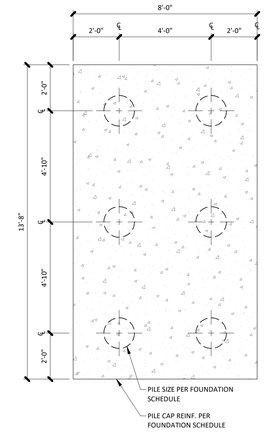

TYP. PILE CAP DETAIL - PC3 | 04

3/8" = 1'-0" | S3.3



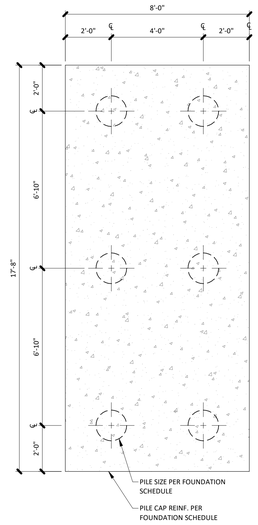

TYP. PILE CAP DETAIL - PC4 | 05

3/8" = 1'-0" | S3.3




TYP. PILE CAP DETAIL - PC5 | 06

3/8" = 1'-0" | S3.3




TYP. PILE CAP DETAIL - PC6 | 07

3/8" = 1'-0" | S3.3

paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

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| CIVIL | GBA |
| LANDSCAPE | LAND 3 |
| FOUNDATIONS | BSE STRUCTURAL ENGINEERS |
| STRUCTURAL | BSE STRUCTURAL ENGINEERS |
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| CONTRACTOR | GC |

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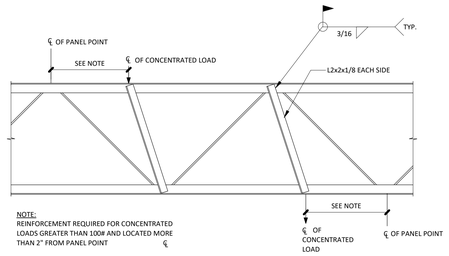
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

FOUNDATION DETAILS

SHEET NUMBER

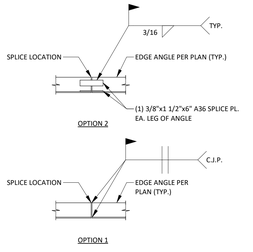
S3.3




NOTE:
REINFORCEMENT REQUIRED FOR CONCENTRATED LOADS GREATER THAN 100# AND LOCATED MORE THAN 2" FROM PANEL POINT ℄

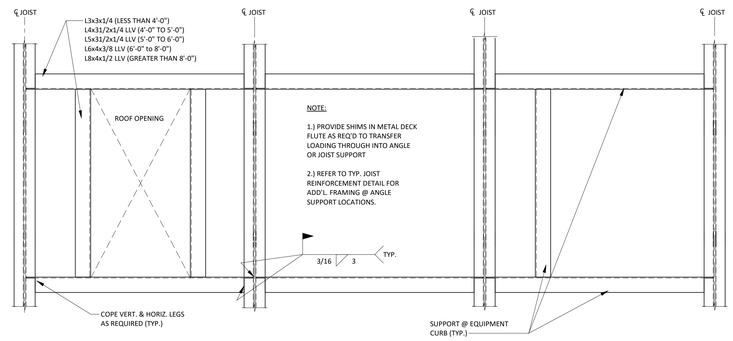
## TYP. JOIST REINFORCEMENT DETAIL | 01

3/4" = 1'-0" | S4.1



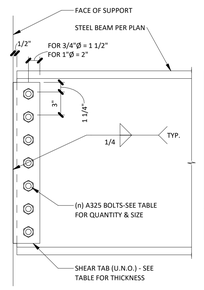

## EDGE ANGLE SPLICE DETAIL | 02

3/4" = 1'-0" | S4.1




## TYP. ROOF OPENING & EQUIP. SUPPORT FRAMING DETAIL | 03

3/4" = 1'-0" | S4.1




| 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" | 4 | 3/4" | 3/8" |
| 21" | 5 | 1" | 7/16" |
| 24" | 6 | 1" | 7/16" |
| 27" | 7 | 1" | 7/16" |
| 30" | 9 | 1" | 7/16" |
| 33" | 9 | 1" | 7/16" |
| 36" | 10 | 1" | 9/16" |

NOTE:
AT SKEWED BEAMS PROVIDE CONNECTIONS PER AISC STEEL CONST. MANUAL TABLE 10-14

## TYP. SHEAR TAB CONNECTION DETAIL | 04

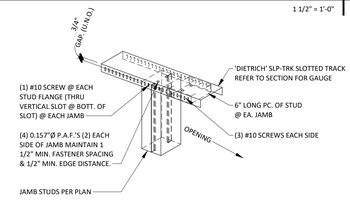
1 1/2" = 1'-0" | S4.1

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" |

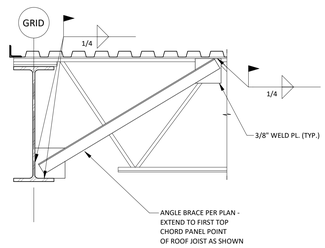
FLOOR MEMBERS

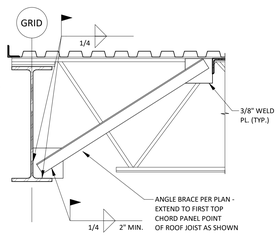
| BEAM DEPTH | wh | ws | BOLT ROWS | ROWS SPA. | BOLT Ø | WELD SIZE | PL THICKNESS |
|---|---|---|---|---|---|---|---|
| ALL DEPTHS | 12" | 4" | 7 | 4" | 1-1/8" | 8/16 | 1-1/2" |

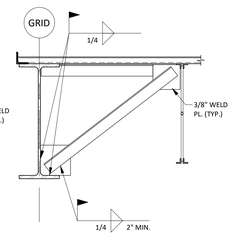



## SLOTTED TRACK REINFORCING | 08

3/4" = 1'-0" | S4.1

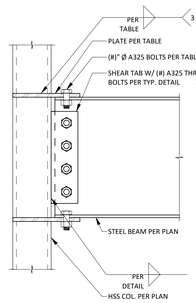


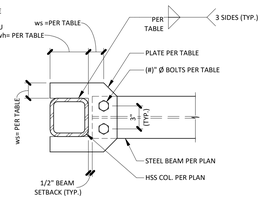




## TYP. BEAM BOTTOM FLANGE BRACE DETAIL - JOIST | 05

3/4" = 1'-0" | S4.1

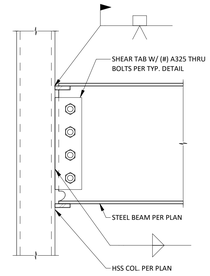



## TYP. MOMENT CONN. DETAIL - HSS COLUMN | 06

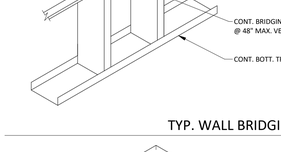
1 1/2" = 1'-0" | S4.1

NOTE: CONNECTION AT PERIMETER COLUMN LOCATIONS



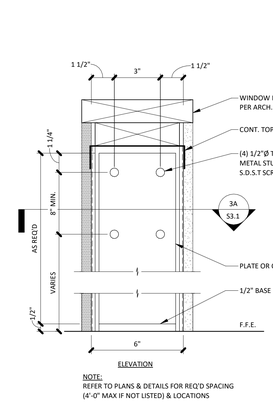

## TYP. BEAM TO HSS COLUMN FLANGE CONNECTION | 07

1 1/2" = 1'-0" | S4.1




## TYP. WALL BRIDGING DETAIL | 09

1/2" = 1'-0" | S4.1




NOTE:
REFER TO PLANS & DETAILS FOR REQ'D SPACING (4'-0" MAX IF NOT LISTED) & LOCATIONS

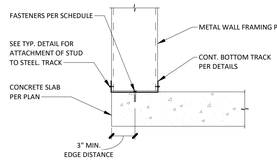
## TYP. LOW WALL REINF. DETAIL | 10

3" = 1'-0" | S4.1

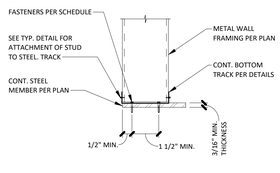
| FASTENERS @ CONCRETE | |
|---|---|
| LOCATION | NUMBER OF FASTENERS REQUIRED |
| TYPICAL FRAMING | (1) 0.157"Ø P.D.F @ 8" O.C. |
| JAMB STUDS | (2) 0.157"O P.D.F @ EACH JAMB (SEE NOTE #3) |

| 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



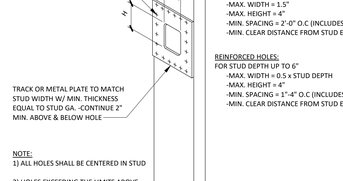

BASE DETAIL @ CONCRETE




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"

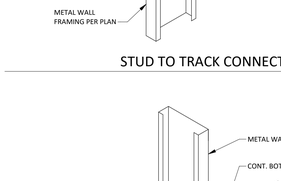
REINFORCED HOLES:
FOR STUD DEPTH UP TO 6"
-MAX. WIDTH = 0.5 x STUD DEPTH
-MAX. HEIGHT = 4"
-MIN. SPACING = 1"-4" O.C (INCLUDES DISTANCE TO NEAREST PUNCHOUT)
-MIN. CLEAR DISTANCE FROM STUD END = 10"

NOTE:
1) ALL HOLES SHALL BE CENTERED IN STUD

2) HOLES EXCEEDING THE LIMITS ABOVE SHALL REQUIRE APPROVAL BY THE E.O.R

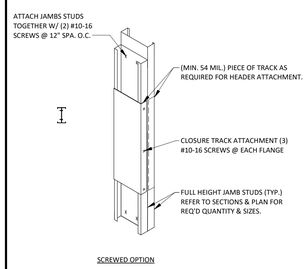
## WEB REINFORCING DETAIL | 12

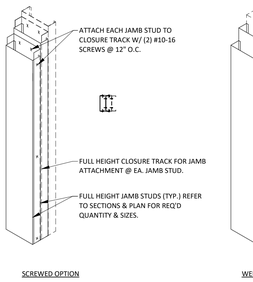
3/4" = 1'-0" | S4.1

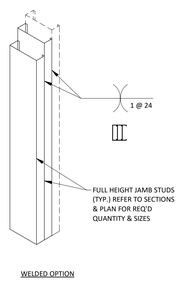


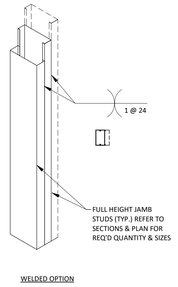

## STUD TO TRACK CONNECTION (BOTTOM) | 14

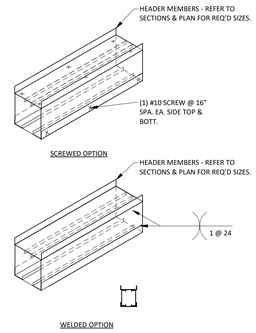
3/4" = 1'-0" | S4.1



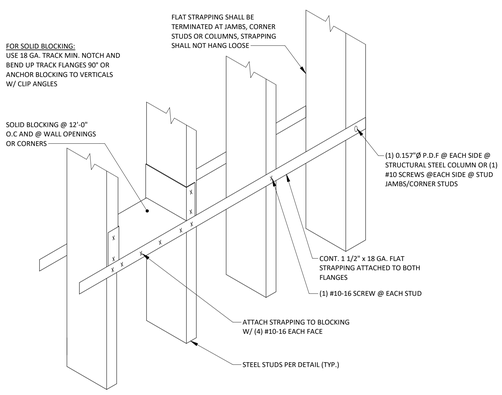



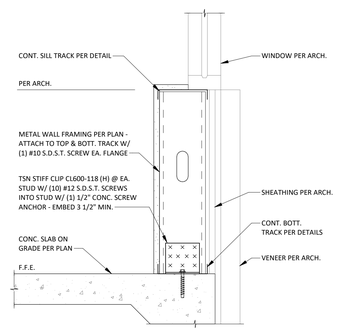

## BUILT-UP MEMBER DETAIL | 15

1/2" = 1'-0" | S4.1




## TYPICAL STRAP AND BLOCK BRIDGE FRAMING | 16

3/4" = 1'-0" | S4.1




## TYP. LOW WALL CLIP DETAIL | 17

1 1/2" = 1'-0" | S4.1

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN N BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

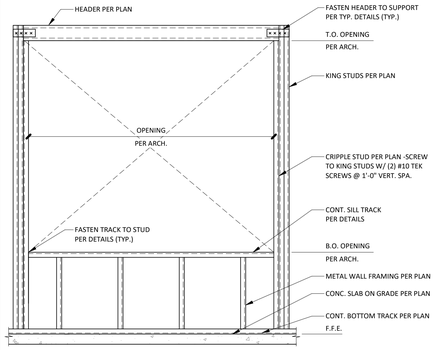
BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

TYPICAL FRAMING DETAILS

SHEET NUMBER

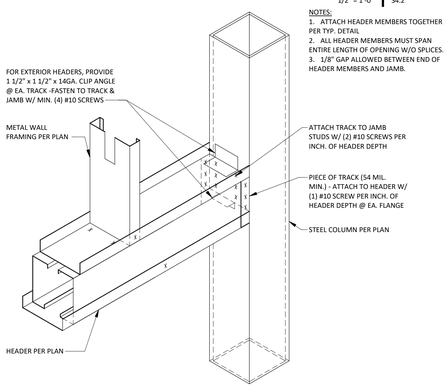
S4.1




| 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) |

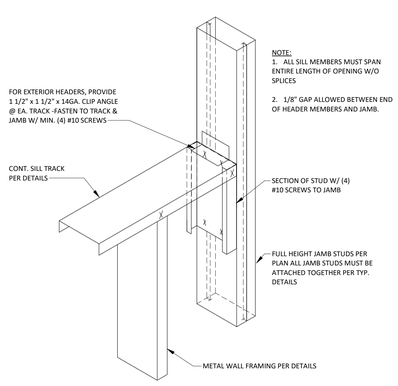
## TYP. HEADER/WALL OPENING DETAIL | 01

1/2" = 1'-0" | S4.2



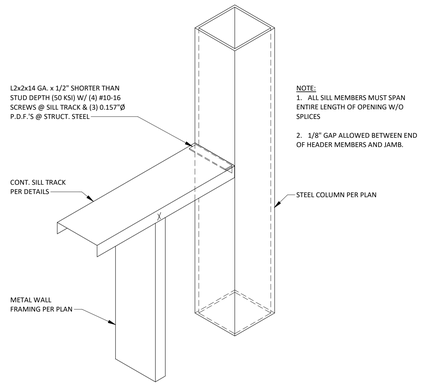

## HEADED JAMB DETAIL - STRUCTURAL STEEL TUBE | 06

3/4" = 1'-0" | S4.2



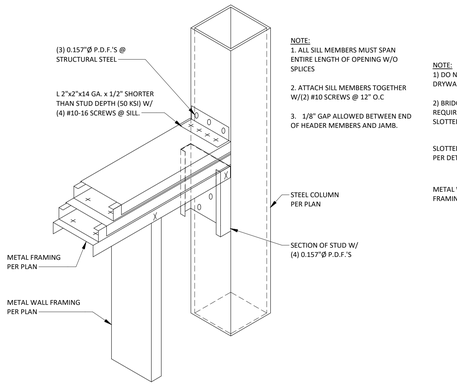

## SILL - JAMB DETAIL | 07

3/4" = 1'-0" | S4.2



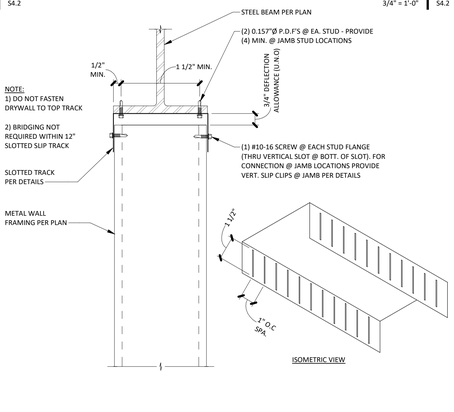

## SILL - JAMB DETAIL - STRUCTURAL STEEL TUBE | 08

3/4" = 1'-0" | S4.2



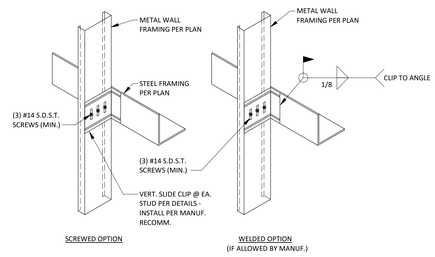

## SILL - JAMB DETAIL | 09

3/4" = 1'-0" | S4.2




## SLOTTED TRACK TO STEEL BEAM | 10

3" = 1'-0" | S4.2

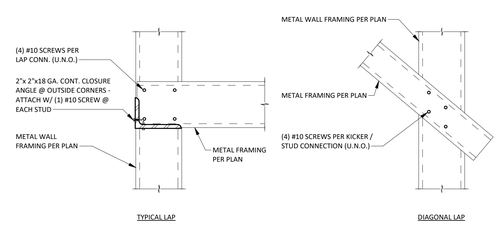



NOTE:
1) FOR OPENING JAMB LOCATIONS, PROVIDE (2) VERT. SLIDE CLIPS @ EA. STUD

2) CLIP CONNECTIONS TO OCCUR MIN. 4" FROM PUNCHOUTS

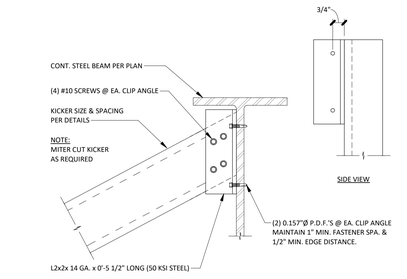
## TYP. SLIDE CLIP CONNECTION DETAIL | 11

1/2" = 1'-0" | S4.2



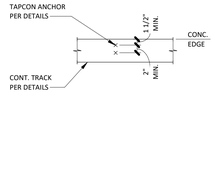

## LAP CONNECTIONS | 12

1 1/2" = 1'-0" | S4.2



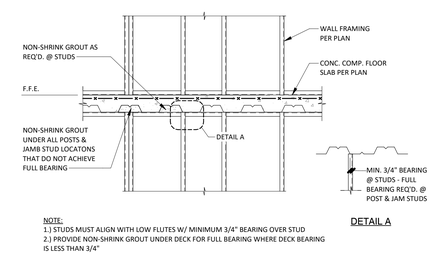

## KICKER / BEAM CONNECTION | 13

3" = 1'-0" | S4.2



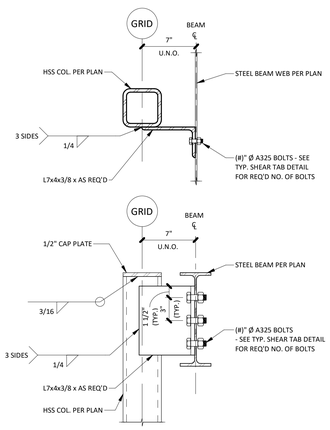

## TYP. TAPCON LAYOUT DETAIL | 14

3/4" = 1'-0" | S4.2



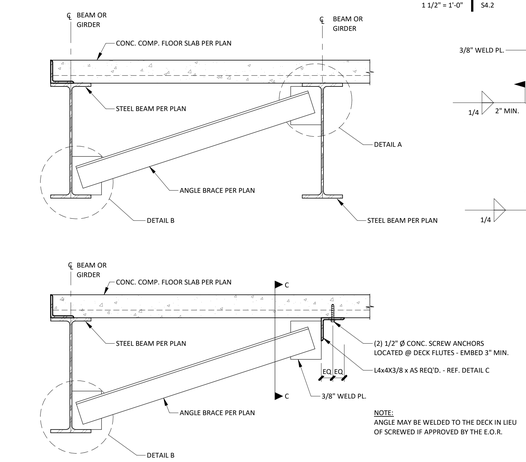

## DECK ALIGNMENT TOLERANCE DETAIL | 15

1 : 18 | S4.2




## BEAM TO COL. - ECCENTRIC CONN. DETAIL | 16

1 1/2" = 1'-0" | S4.2




## TYP. BEAM BOTTOM FLANGE BRACE DETAIL | 17

3/4" = 1'-0" | S4.2

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
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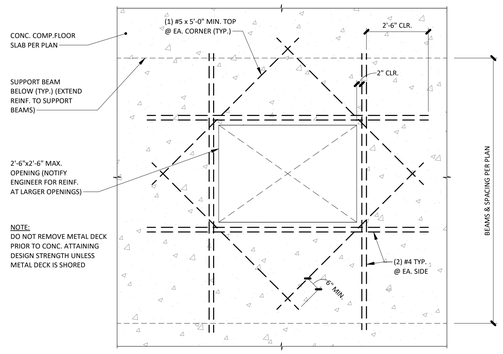
Project Number 22-125

SHEET TITLE

TYPICAL FRAMING DETAILS

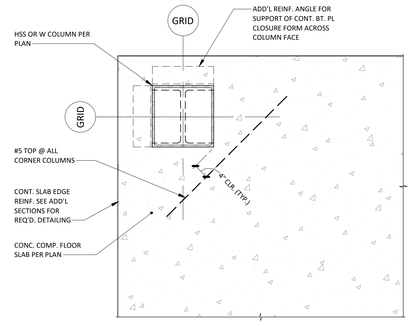
SHEET NUMBER

S4.2



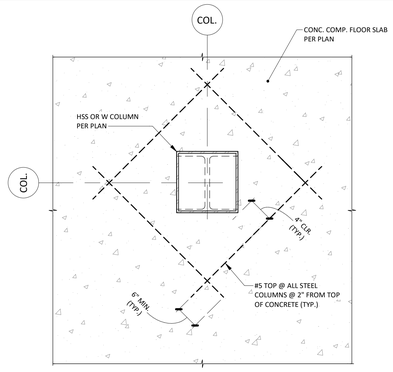

## TYP. COMP. FLR. REINF. @ OPENING DETAIL | 01

3/4" = 1'-0" | S4.3



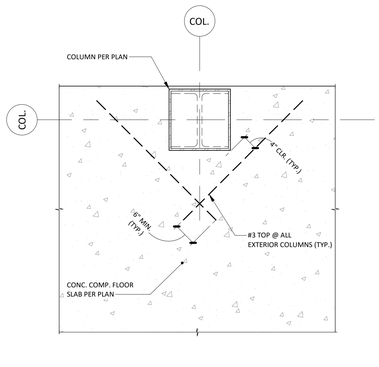

## TYP. COMP. MTL. DECK @ CORNER COL. DETAIL | 02

3/4" = 1'-0" | S4.3



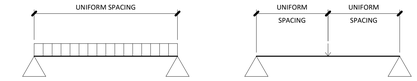

## TYP. MTL. DECK COL. @ SLAB DETAIL | 03

3/4" = 1'-0" | S4.3




## TYP. COMP. DECK @ EXTERIOR COL. DETAIL | 04

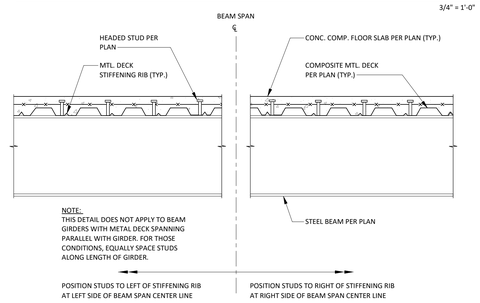
3/4" = 1'-0" | S4.3




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 CEEL, 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.

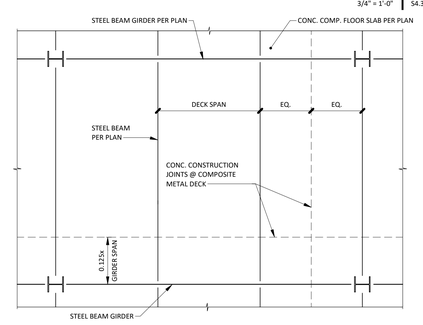
## TYP. STUD PLACEMENT DETAIL | 05

3/4" = 1'-0" | S4.3




## TYP. STUD POSITION DETAIL | 06

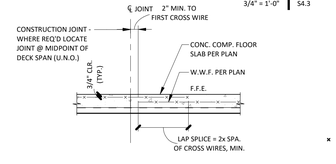
3/4" = 1'-0" | S4.3




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



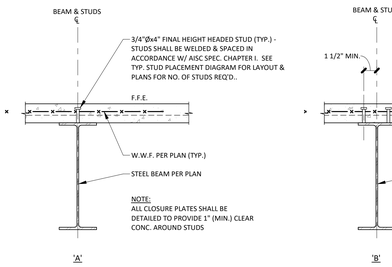

## TYP. COMPOSITE DECK SLAB CONSTRUCTION JOINT | 08

3/4" = 1'-0" | S4.3

NOTES:

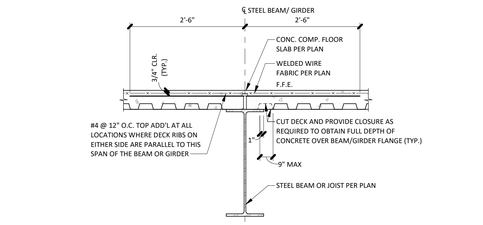
1.) COMPOSITE STEEL BEAMS HAVE BEEN DESIGNED AS AN UNSHORED CONSTRUCTION CONDITION. THE MAX EXPECTED DEFLECTION FOR EACH BEAM IS L/360 OR 3/4" (WHICH EVER IS SMALLER) FOR CONSTRUCTION WET CONCRETE PLACEMENT LOADING CONDITION.

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.



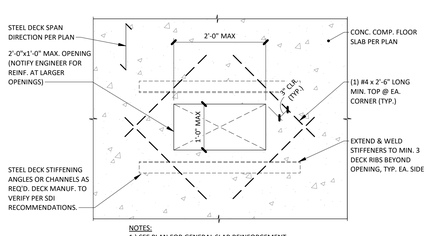

## TYP. COMP. BEAMS W/ SHEAR STUDS DETAIL | 10

3/4" = 1'-0" | S4.3




## TYP. SLAB SECTION - STEEL DECK RIBS PARALLEL TO BEAM/ GIRDER | 11

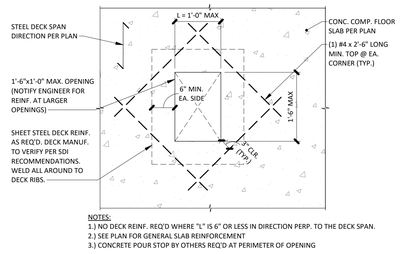
3/4" = 1'-0" | S4.3




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

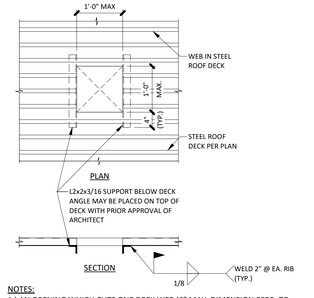
3/4" = 1'-0" | S4.3




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

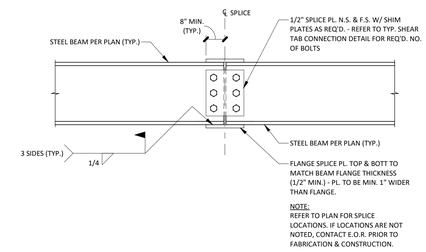
3/4" = 1'-0" | S4.3




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.

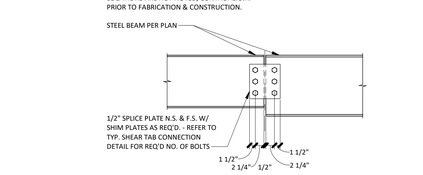
## TYP. SMALL OPENING IN STEEL ROOF DECK | 14

3/4" = 1'-0" | S4.3



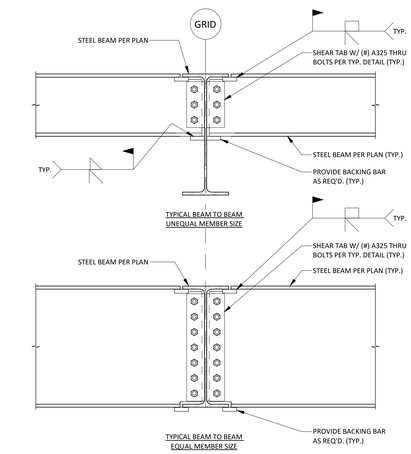

## TYP. BEAM MOMENT SPLICE CONN. DETAIL | 15

1" = 1'-0" | S4.3



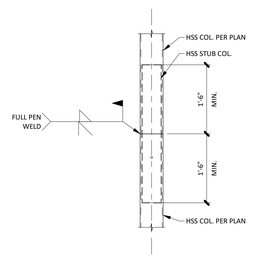

## TYP. BEAM END SPLICE CONNECTION | 16

3/4" = 1'-0" | S4.3



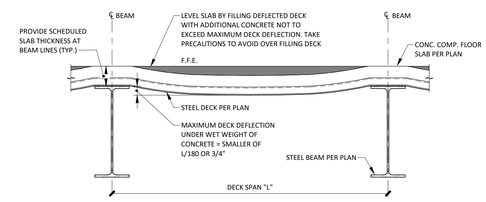

## TYP. BEAM TO BEAM MOMENT CONNECTION | 18

1" = 1'-0" | S4.3




## TYP. HSS COLUMN SPLICE | 19

3/4" = 1'-0" | S4.3




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


paragon star

PARAGON STAR
BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO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REVISIONS

| No. | Date | Description |
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REGISTRATION

STATE OF MISSOURI
STEVEN N. BUSEN
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

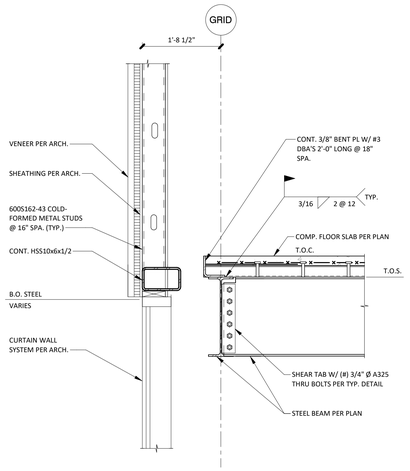

BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125


SHEET TITLE

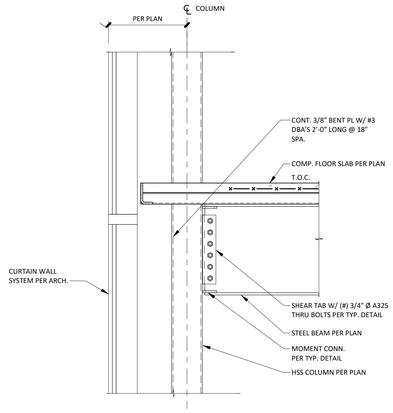
TYPICAL FRAMING DETAILS

SHEET NUMBER

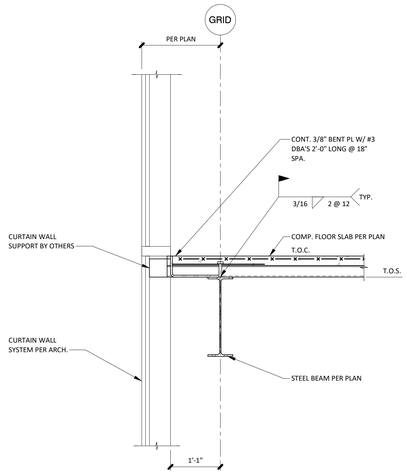
S4.3



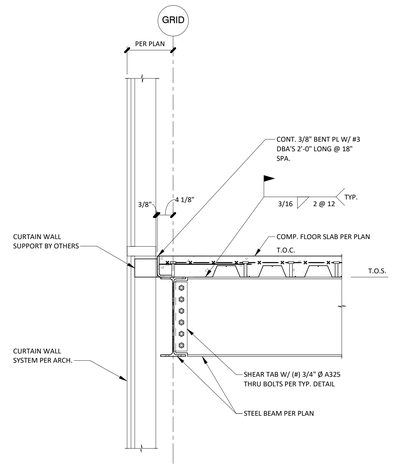

SECTION | 01
3/4" = 1'-0" | S4.5




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



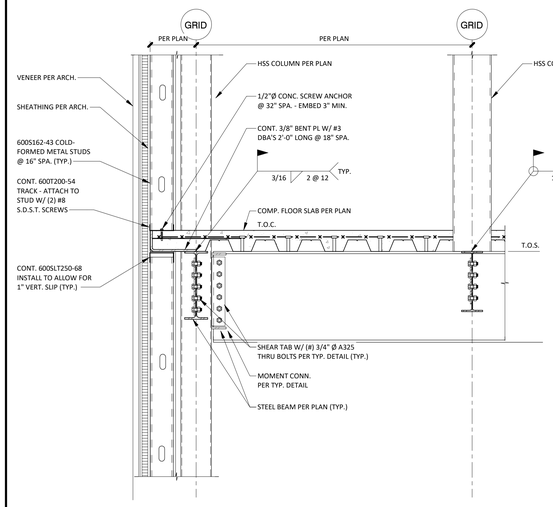

SECTION | 06
3/4" = 1'-0" | S4.5




SECTION | 07
3/4" = 1'-0" | S4.5




SECTION | 08
3/4" = 1'-0" | S4.5

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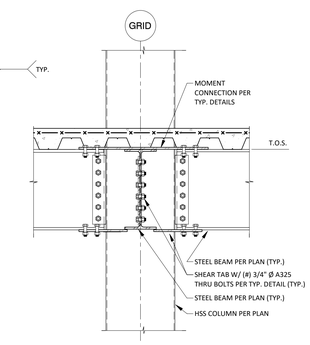
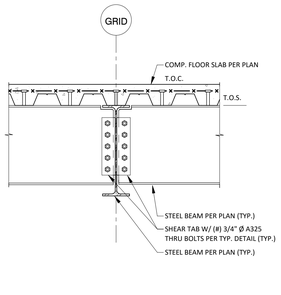
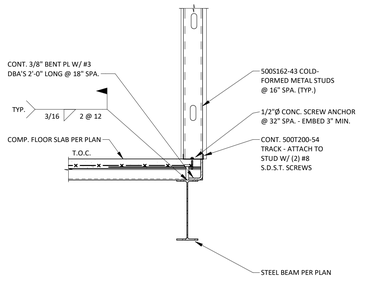



SECTION | 10
3/4" = 1'-0" | S4.5




SECTION | 11
3/4" = 1'-0" | S4.5




SECTION | 12
3/4" = 1'-0" | S4.5




SECTION | 13
3/4" = 1'-0" | S4.5



paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
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| LANDSCAPE | LAND 3 |
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| CONTRACTOR | GC |

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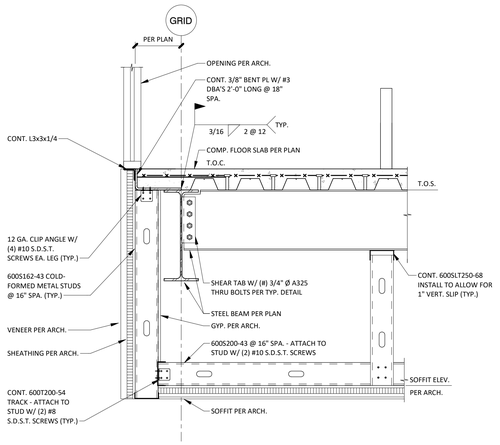
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

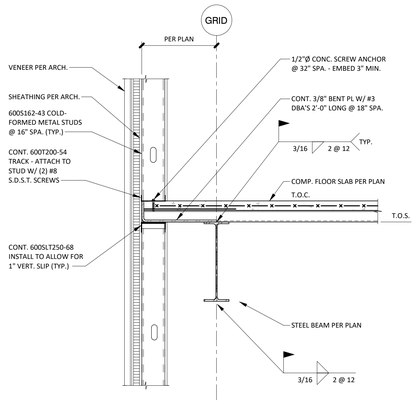
FRAMING DETAILS

SHEET NUMBER

S4.5




SECTION | 01
3/4" = 1'-0" | S4.6

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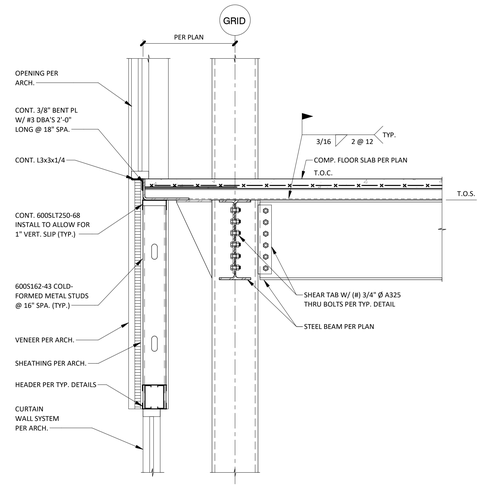
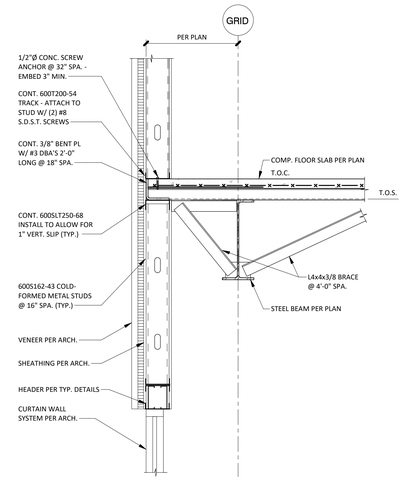
3/4" = 1'-0" | S4.6




SECTION | 03
3/4" = 1'-0" | S4.6




SECTION | 04
3/4" = 1'-0" | S4.6




SECTION | 05
3/4" = 1'-0" | S4.6

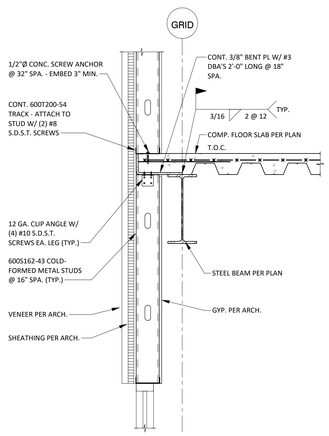



SECTION | 06
3/4" = 1'-0" | S4.6

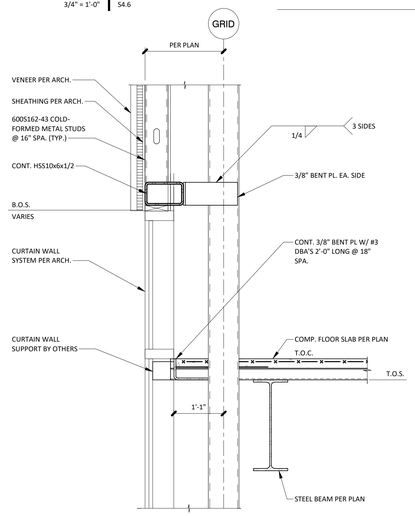



SECTION | 07
3/4" = 1'-0" | S4.6

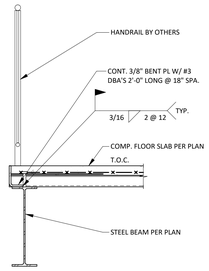



SECTION | 08
3/4" = 1'-0" | S4.6




SECTION | 09
3/4" = 1'-0" | S4.6




SECTION | 10
3/4" = 1'-0" | S4.6

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

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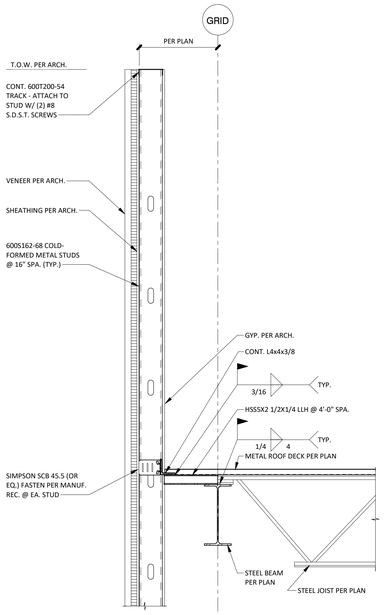
SHEET TITLE

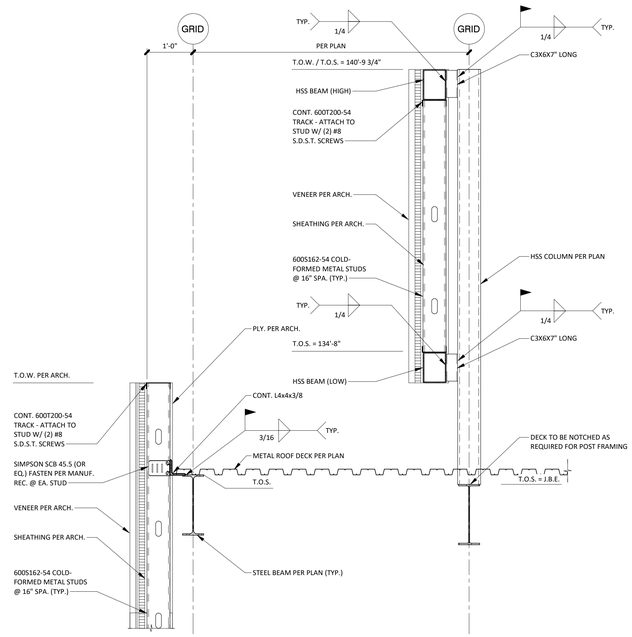
FRAMING DETAILS

SHEET NUMBER

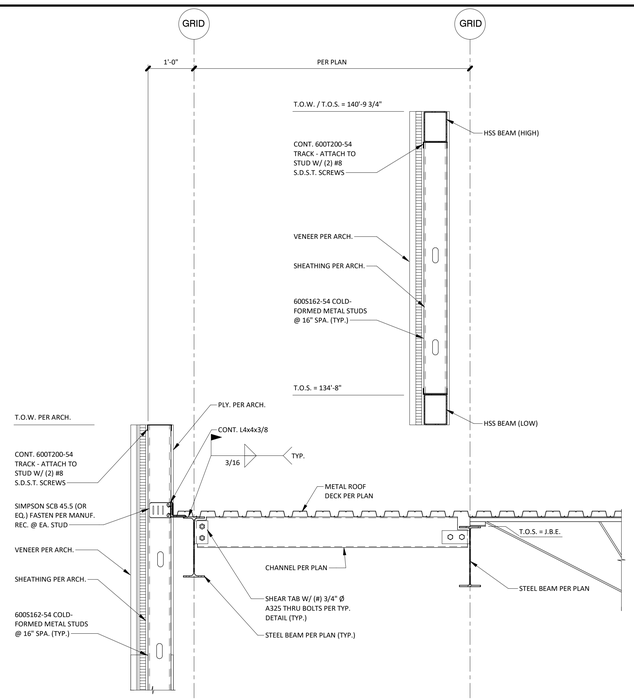
S4.6



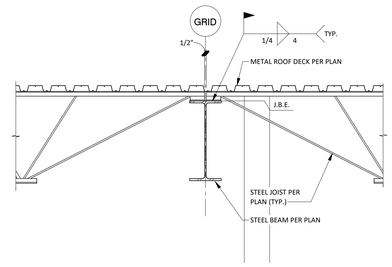

SECTION 01
3/4" = 1'-0" | S4.7



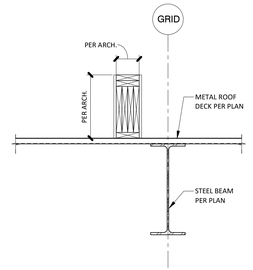

SECTION 02
3/4" = 1'-0" | S4.7



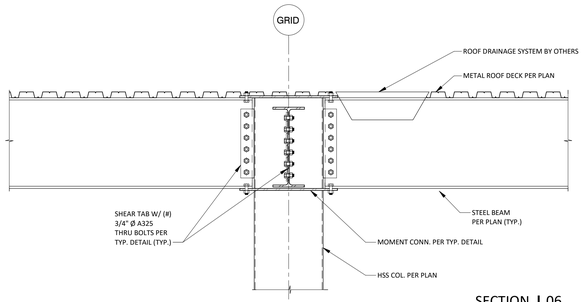

SECTION 03
3/4" = 1'-0" | S4.7



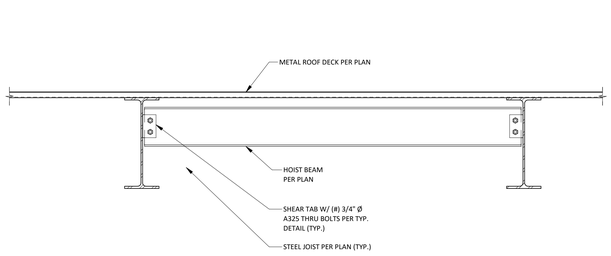

SECTION 04
3/4" = 1'-0" | S4.7




SECTION 05
3/4" = 1'-0" | S4.7




SECTION 06
3/4" = 1'-0" | S4.7

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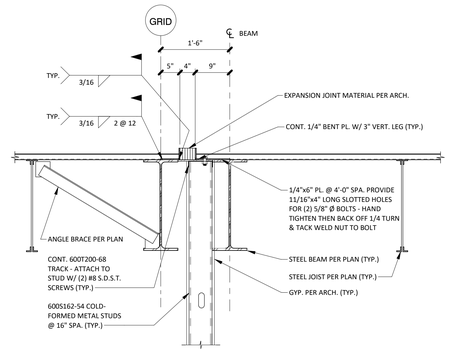
3/4" = 1'-0" | S4.7




SECTION 08
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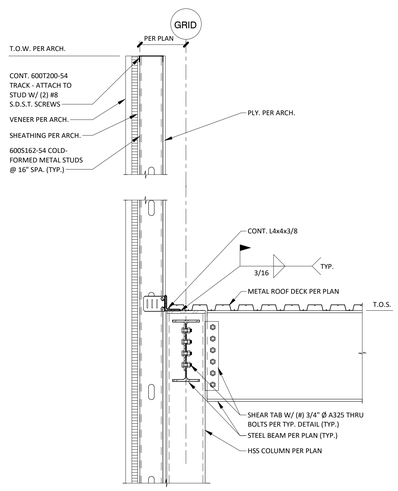
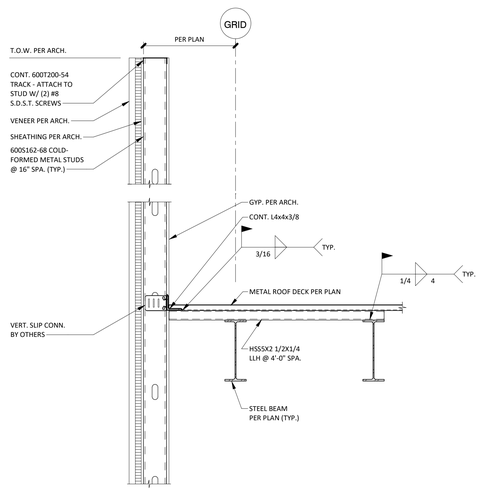
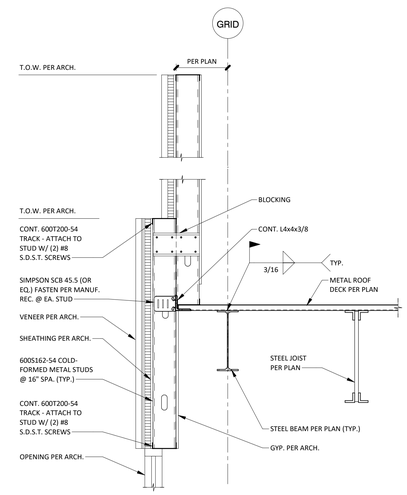


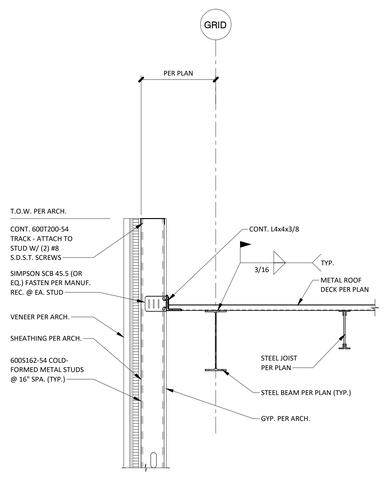

SECTION 09
3/4" = 1'-0" | S4.7



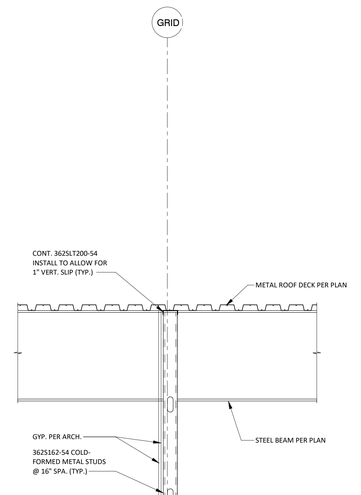

SECTION 10
3/4" = 1'-0" | S4.7




SECTION 11
3/4" = 1'-0" | S4.7




SECTION 12
3/4" = 1'-0" | S4.7




SECTION 13
3/4" = 1'-0" | S4.7

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paragon star

# PARAGON STAR BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
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Project No.: 19050.01a
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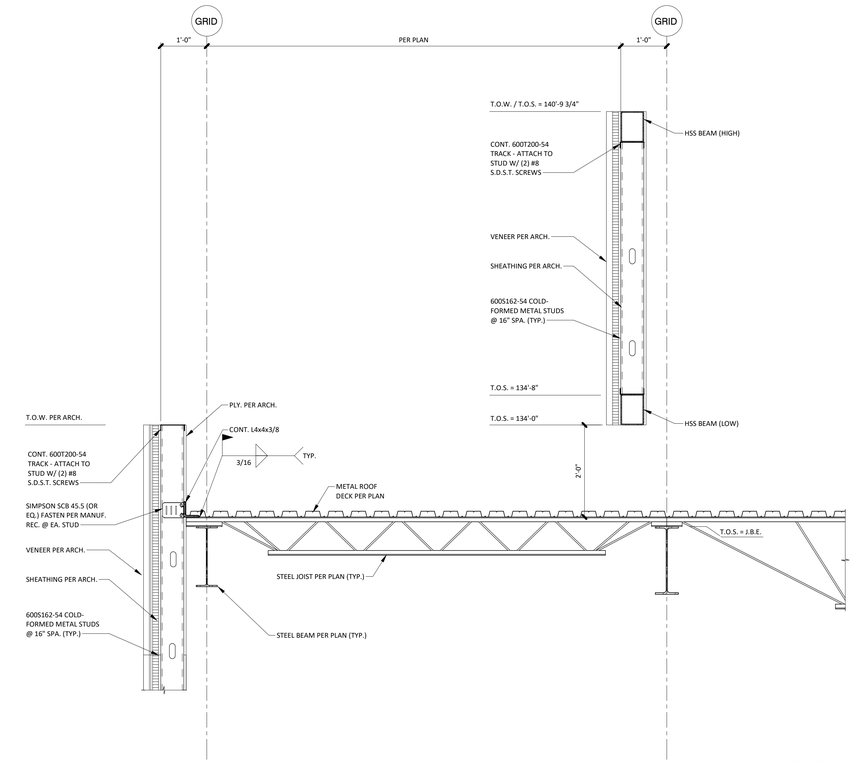
SHEET TITLE

FRAMING DETAILS

SHEET NUMBER

S4.7




SECTION | 01

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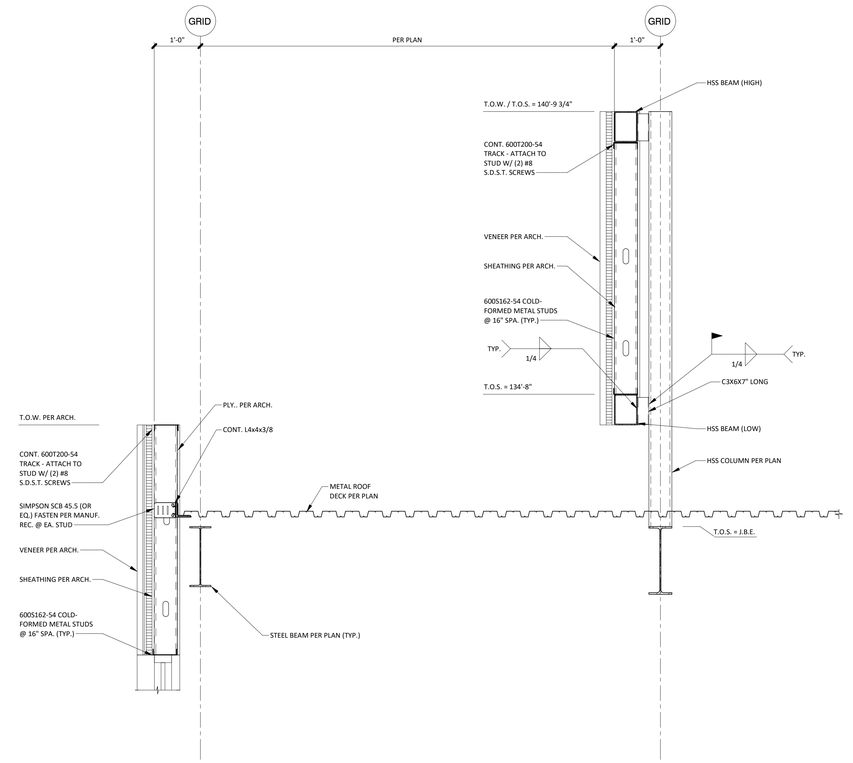



SECTION | 02

3/4" = 1'-0" | S4.8

paragon star

# PARAGON STAR
# BLDG 2 / LOT 9

3201 NW PARAGPN PKWY
LEE'S SUMMIT, MO

Project No.: 19050.01a
Date: 06.02.22
Issued For: ADDENDUM 1

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN N. BUSEY
NUMBER E-25462
06-02-22
PROFESSIONAL ENGINEER

PROJECT TEAM

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

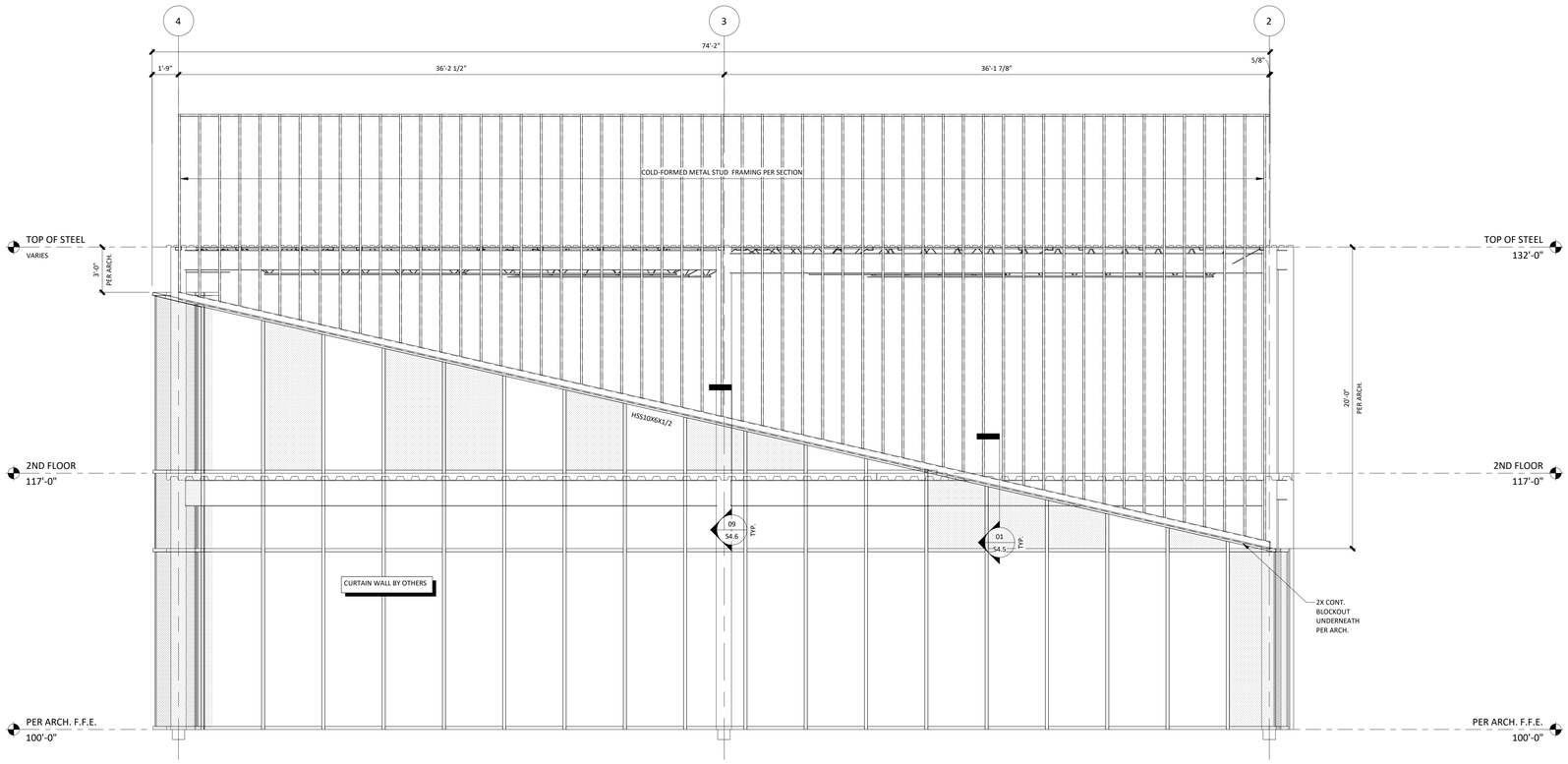
BSE STRUCTURAL ENGINEERS
11320 West 79th Street
Lenexa, Kansas 66214
Phone 913.492.7400
www.BSEstructural.com
Project Number 22-125

SHEET TITLE

FRAMING DETAILS

SHEET NUMBER

S4.8




WEST CLADDING ELEVATION | 01

1/4" = 1'-0" | S4.9

C:\Users\Julie Markham\Documents\19-354 Paragon - Lee's Summit, MO_jmarkham@bsestructural.com.rvt

PARAGON STAR

# PARAGON STAR
# BLDG 2 / LOT 9

LEE'S SUMMIT, MO

| | |
|---|---|
| Project No.: | 19050.01 |
| Date: | 10.25.19 |
| Issued For: | ADDENDUM 1 |

REVISIONS

| No. | Date | Description |
|---|---|---|

REGISTRATION

STATE OF MISSOURI
STEVEN N. BUSEY
NUMBER E-25462
06-02-22
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

ELEVATIONS

SHEET NUMBER

S4.9