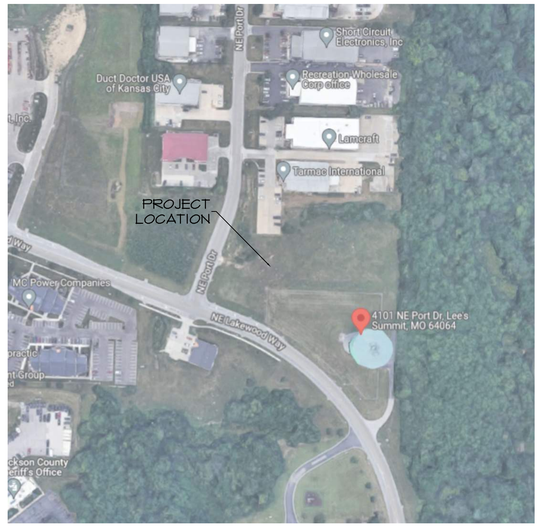
LAKEVIEW SELF STORAGE - LEE'S SUMMIT, MO

STRICKLAND CONSTRUCTION COMPANY

Hernly ASSOCIATES, Inc.
ARCHITECTS
PRESERVATION CONSULTANTS
GRANT ADMINISTRATORS

BC ENGINEERS INCORPORATED

PROJECT TEAM



NORTH

LOCATION MAP

PROJECT NAME: LAKEVIEW SELF STORAGE

PROJECT LOCATION: 4101 NE PORT DRIVE
LEE'S SUMMIT, MISSOURI

PROJECT OWNERSHIP:

ARCHITECT: HERNLY ASSOCIATES, INC.
1100 RHODE ISLAND ST.
LAWRENCE, KANSAS 66044
P. 785-749-5806
F. 785-749-1515

GENERAL CONTRACTOR: STRICKLAND CONSTRUCTION
120 S. ROGERS ROAD, SUITE B
OLATHE, KANSAS 66062
P. 913-764-7000
F. 913-768-8425

BUILDING INSPECTION DEPT: DEVELOPMENT SERVICES
220 SE GREEN
LEE'S SUMMIT, MO 64063
816-969-1200

CODES/REGULATIONS UTILIZED: 2018 International Building Code
2018 International Mechanical Code
2017 National Electrical Code
2018 Uniform Plumbing Code
2018 International Fire Code
2012 International Energy Conservation Code
ICC/ANSI A117.1 - 2009 Accessibility and Usability Code

CONSTRUCTION: METAL STUDS, STEEL DECK/ CONCRETE TOPPING,
METAL PANEL, MASONRY VENEER

CONSTRUCTION TYPE: TYPE II-B - FULLY SPRINKLED
THREE FLOOR SELF STORAGE FACILITY W/ OFFICE

OCCUPANCY GROUPS: SELF STORAGE - GROUP S-1
OFFICE/RETAIL - GROUP B

OCCUPANCY SEPARATIONS: NONE REQUIRED

FIRE RESISTANCE RATINGS: STRUCTURAL FRAME = 0
BEARING WALLS = 0
PARTITIONS = 0
FLOOR CONSTRUCTION = 0
ROOF CONSTRUCTION = 0
CORRIDORS = 0
SHAFT CONSTRUCTION = 1-HOUR

DESIGN LOADS: ROOF LIVE LOAD: 20 PSF
ROOF DEAD LOAD: 7 PSF
WIND SPEED: 115 MPH
REV: 2023/02/10

FIRE SAFETY:

AUTOMATIC FIRE SPRINKLER THROUGHOUT: NFPA 13
FIRE ALARM SYSTEM & SMOKE DETECTION: AS REQ.
FIRE EXTINGUISHERS: 2a-10bc (LOCATE PER LOCAL FIRE DEPT.)
ALL EXTINGUISHERS IN PLAIN VIEW, MOUNTED W/ SIGNAGE ABOVE IF NEEDED. MUST COMPLY WITH IFC 906.3 AND MUST FOLLOW IFC 906 FOR TRAVEL DISTANCE (75' MIN.)

EMERGENCY/EXIT LIGHTING: PER ELEC. DRAWINGS

SAFETY GLAZING: PROVIDE SAFETY GLAZING IN DOORS AND FIXED PANELS ADJACENT TO DOORS COMPLYING WITH 2003 IBC CHAPTER 24

ALLOWABLE BUILDING HEIGHT: 3-STORY, 75 FEET (FULLY SPRINKLED)

ACTUAL BUILDING HEIGHT: 3-STORY, 38'-2" *(OK)*

BASE ALLOWABLE BUILDING AREA: 52,500 S.F. PER STORY (FULLY-SPRINKLED, MULTISTORY)

ACTUAL FLOOR AREAS: PROPOSED FLOOR AREA:
1ST FLOOR - GROUP S-1, B = 34,375 S.F. *(OK)*
2ND FLOOR - GROUP S-1 = 33,284 S.F. *(OK)*
3RD FLOOR - GROUP S-1 = 34,426 S.F. *(OK)*

OCCUPANT LOAD FACTORS: S-1 STORAGE WAREHOUSE = 500
BUSINESS = 150

OCCUPANT LOADS: STORAGE:

FIRST FLOOR	= 33,175/500	= 67
SECOND FLOOR	= 33,284/500	= 67
THIRD FLOOR	= 34,426/500	= 69

RETAIL/OFFICE:

FIRST FLOOR	= 1200/150	= 8

= 211 TOTAL

EGRESS REQUIREMENTS: EXITS REQUIRED: 2 PER FLR. @ O.L. >1 AND <500 (100 OCC.)
EXITS PROVIDED: 2+ ALL FLOORS *(OK)*

EGRESS WIDTH REQ:
1ST - 75 O.L. x 0.15" = 11.25"
EGRESS WIDTH PROVIDED: 176" *(OK)*
2ND - 67 O.L. x 0.15" = 10.1"
EGRESS WIDTH PROVIDED: 140" *(OK)*
3RD - 69 O.L. x 0.20" = 13.8
EGRESS WIDTH PROVIDED: 72" *(OK)*

MAX. ALLOWABLE TRAVEL DISTANCE: = 250 FEET

ACTUAL MAX. TRAVEL DISTANCE:

FIRST FLOOR	= 191'-3"
SECOND FLOOR	= 147'-10"
THIRD FLOOR	= 207'-8"

REV: 2023/01/03

MIN. PLUMBING FIXTURE REQ'S (WHOLE BLDG): TOTAL OCC (S-1 & B): 211 : 106 MEN, 106 WOMEN

FIXTURES REQUIRED FOR STORAGE & OFFICE OCC:
= 1 FIX:50 MEN OCC. = 3 FIXTURE
= 1 FIX:50 WOMEN OCC. = 3 FIXTURES
= 1 SERVICE SINK

FIXTURES PROVIDED:
= 3 WC AND LAV FIXTURES FOR MEN *(OK)*
= 3 WC AND LAV FIXTURES FOR WOMEN *(OK)*
= 1 SERVICE SINK *(OK)*

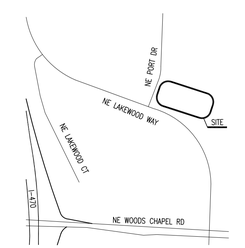
SPECIAL INSPECTIONS REQUIRED: EXCAVATION AND FILLING
VERIFICATION OF SOILS
PLACEMENT OF REINFORCING STEEL
TESTING OF REINFORCED CONCRETE
BOLTS INSTALLED IN CONCRETE
STRUCTURAL MASONRY
STEEL FRAME INSPECTION

This project has been designed by this office for compliance with applicable laws, codes and ordinances including the ADA Title III guidelines. Since the requirements of these regulations are subject to various and possibly contradictory interpretations, reasonable professional efforts have been used to interpret applicable requirements. No warranty or guarantee is given that the project complies with all interpretations as they apply to the project.

CODE INFORMATION

SHEET INDEX

ARCHITECTURAL SET REV: 2023/01/03



LOCATION MAP

NORTH

STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE
4101 NE PORT DRIVE
LEE'S SUMMIT, MO

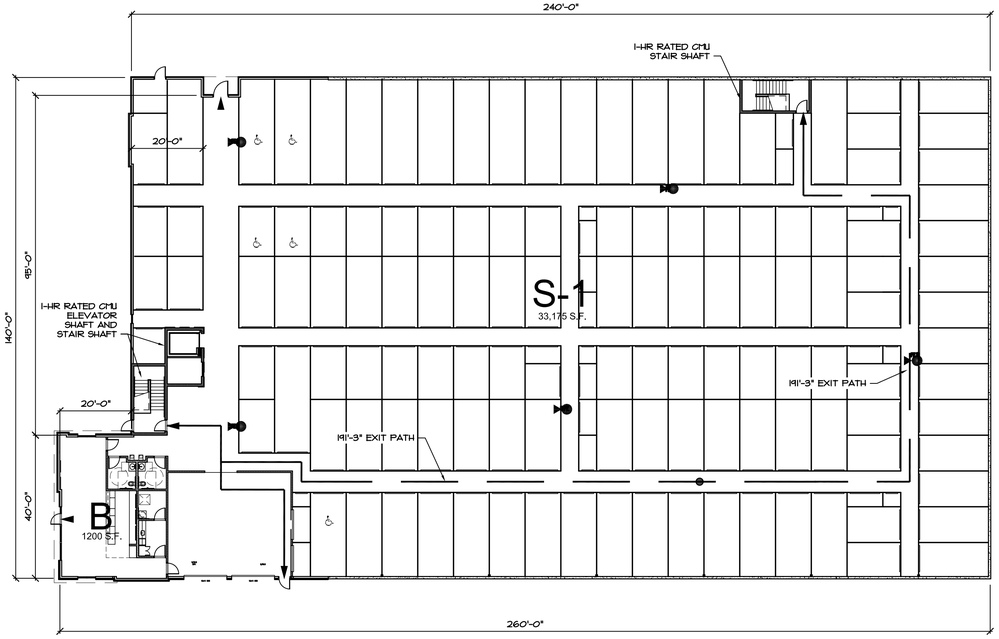
STATE OF MISSOURI
STANLEY C. HERNLY
A-5721
REGISTERED ARCHITECT

Hernly ASSOCIATES
1100 Rhode Island
Lawrence, Kansas
66044
785 - 749 - 5806
FAX 785 - 749 - 1515

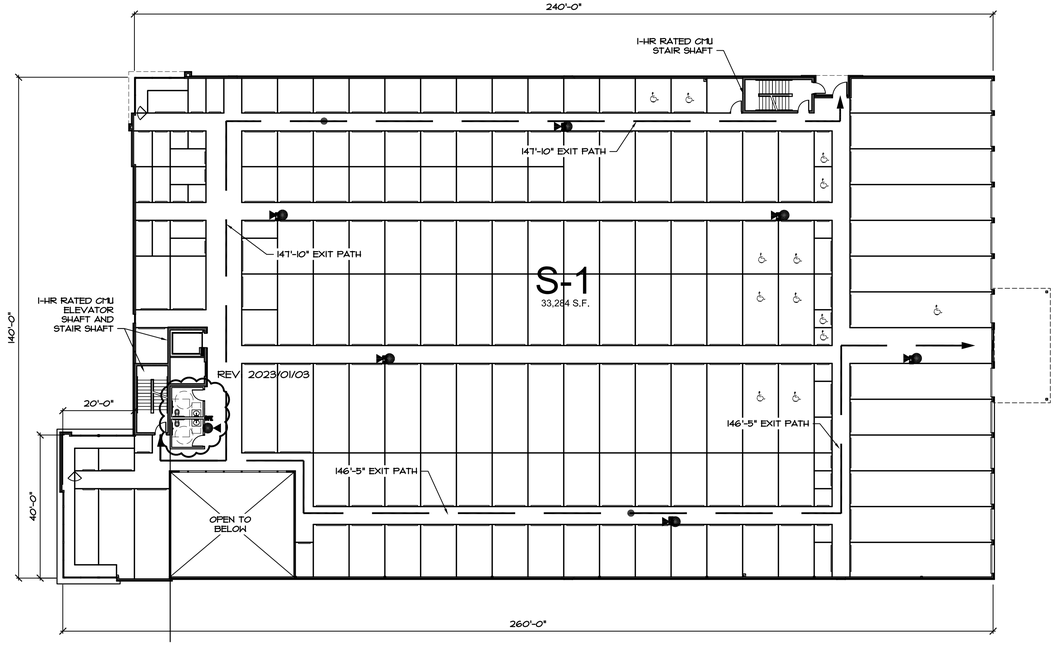
COVER SHEET
SHEET INDEX

Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03
2023/02/10

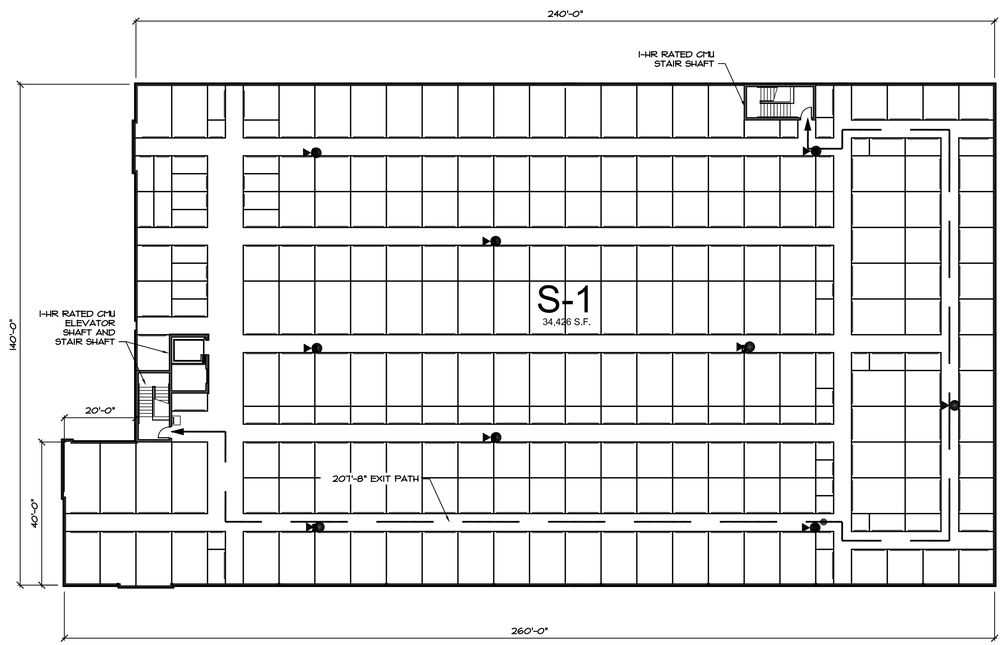
COV



1 FIRST FLOOR CODE PLAN - 34,375 S.F.
1" = 20'-0"



2 SECOND FLOOR CODE PLAN - 33,284 S.F.
1" = 20'-0"



1 THIRD FLOOR CODE PLAN - 34,426 S.F.
1" = 20'-0"

	SELF STORAGE UNITS MARKED WITH A HANDICAP SYMBOL TO BE ACCESSIBLE AND FOLLOW ACCESSIBILITY STANDARDS
TABLE 225.3	
TOTAL SPACES IN FACILITY	MINIMUM NUMBER OF SPACES REQUIRED TO BE ACCESSIBLE
1 TO 200	5%, BUT NOT LESS THAN 1
201 AND OVER	10, PLUS 2% OF THE TOTAL NUMBER OF UNITS OVER 200
SECTION 225.3.1 DISPERSION.	
INDIVIDUAL SELF-SERVICE STORAGE SPACES SHALL BE DISPERSED THROUGHOUT THE VARIOUS CLASSES OF SPACES PROVIDED. WHERE MORE CLASSES OF SPACES ARE PROVIDED THAN THE NUMBER REQUIRED TO BE ACCESSIBLE, THE NUMBER OF SPACES SHALL NOT BE REQUIRED TO EXCEED THAT REQUIRED BY TABLE 225.3. SELF-SERVICE STORAGE SPACES COMPLYING WITH TABLE 225.3 SHALL NOT BE REQUIRED TO BE DISPERSED AMONG BUILDINGS IN A MULTI-BUILDING FACILITY.	
ACCESSIBLE UNITS MUST MEET THE FOLLOWING CRITERIA:	
403.3 ACCESSIBLE ROUTE	THE RUNNING SLOPE OF WALKING SURFACES NOT STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.
404.2.5 THRESHOLDS	1/2" HIGH MAXIMUM
404.2.7 DOOR HARDWARE	OPERABLE PARTS OF HARDWARE SHALL BE 34" MIN. AND 48" MAX. ABOVE FINISHED FLOOR OR GROUND
404.2.9 DOOR OPENING FORCE	5 POUNDS MAXIMUM
ACCESSIBLE UNITS MUST ALSO PROVIDE ACCESSIBLE ROUTES TO ACCESSIBLE MEANS OF EGRESS, PARKING SPACES, AND COMMON USE ELEMENTS & FACILITIES (TOILET ROOMS, DRINKING FOUNTAINS, ETC.).	
PROVIDE JANUS ADA KIT (THREE STRAPS AND ACCESSIBLE SIGN) --JANUS TO INSTALL	
ADA CALCULATIONS: 590 UNITS -200 UNITS 390 UNITS X .02 = 7.8 SPACES + 10 SPACES = 18 SPACES REQUIRED	

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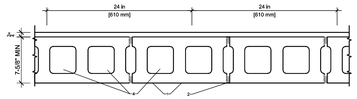
CODE PLANS

Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03

A1.1

CONCRETE MASONRY UNITS, MORTAR - UL DESIGN NO. U904

BEARING WALL RATING: 3 HR. - NONBEARING WALL RATING: 3 HR.



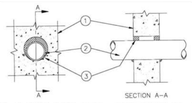
* Indicates such products shall bear the UL Certification Mark for jurisdictions employing the UL Certification.

1. Concrete Blocks* – Various designs. Classification C-3 (3 hr.)
2. Mortar – Blocks laid in full bed of mortar, nom. ¾ in. thick, of not less than 2-1/4 and not more the 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3. Portland Cement Stucco or Gypsum Plaster – Add ¼ hr to Classification if used. Attached to concrete blocks (Item 1).
4. Loose Masonry Fill – If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 1 hr to Classification.

STAIR/ELEV SHAFT WALL (1-HR REQUIRED)

F Ratings – 1, 2, 3 & 4 Hr (See Item 1)
T Ratings – 0 & 1/4 Hr (See Item 2) — **W-J-1040**

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1, 2, 3 and 4 Hr (See Item 1)	F Ratings — 1, 2, 3 and 4 Hr (See Item 1)
T Ratings — 0 and 1/4 Hr (See Item 2)	FT Ratings — 0 and 1/4 Hr See Item 2)
	FH Ratings — 1, 2, 3 and 4 Hr (See Item 1)
	FTH Ratings — 0 and 1/4 Hr (See Item 2)



1. **Wall Assembly** – Min 4-7/8 in., 6-1/8 in., 7-3/8 in. or 8-5/8 in. (124, 156, 187 and 219 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete for 1, 2, 3 or 4 hour rated assemblies, respectively. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 25 in.
   See **Concrete Blocks (CAZT)** category in the Fire Resistance Directory for names of manufacturers.
2. **Through Penetrants** – One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (point contact) to max 1-3/8 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** – The following types and sizes of steel pipes may be used:
      A1. Nom 4 in. diam (or smaller) Schedule 7 (or heavier) steel pipe.
      A2. Nom 8 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
      A3. Nom 10 in. diam (or smaller) Schedule 20 (or heavier) steel pipe.
      A4. Nom 24 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.
      When steel pipe is used, T Rating is 1/4 hr for nom 4 in. diam (or smaller) and 0 hr for steel pipes greater than nom 4 in. diam.
   B. **Iron Pipe** – Nom 24 in. diam (or smaller) cast or ductile iron pipe. When iron pipe is used T Rating is 1/4 hr.
   C. **Conduit** – Nom 4 in. diam (or smaller) steel electrical metallic tubing (EMT). When EMT is used T Rating is 1/4 hr.
   D. **Copper Tubing** – Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing. When copper tube is used T Rating is 0 hr.
   E. **Copper Pipe** – Nom 8 in. diam (or smaller) Regular (or heavier) copper pipe. When copper pipe is used T Rating is 0 hr.
   F. **Stainless Steel Pipe** — Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) stainless steel pipe

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CMU PENETRATION

F Rating – 1, 2, 3 & 4 Hr (See Item 1)
T Rating – 0 & 1/4 Hr (See Item 2) — **W-J-1040**

3. **Fill, Void or Cavity Material*** – **Sealant** – Min 5/8 in. thickness of fill material for 1 hr rated wall assemblies and 1 in. thickness of fill material for 2, 3 and 4 hr rated wall assemblies, applied within the annulus, flush with both surfaces of wall. At point contact location between penetrant and periphery of opening, a min 1/2 in. diam bead of fill material shall be installed at the concrete/penetrant interface on both surfaces of wall.
   Passive Fire Protection Partners – 4800DW, 4100NS, 3600EX

* Bearing the UL Classification Marking

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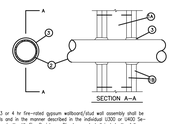
METAL PENETRATION

System No. W. 1001
(Formerly System No. 147)
F Ratings –1, 2, 3 and 4 Hr (See Items 2 and 3))
T Ratings – 0, 1, 2, 3 and 4 Hr (See Item 3)
L Rating At Ambient –less than 1 CFM/sq ft (See Item 3)
L Rating At 400 F – less than 1 CFM/sq ft (See Item 3)



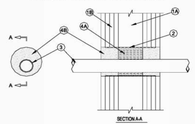
1. **Wall Assembly**– The 1, 2, 3 or 4 hr fire–rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3–5/8 in. wide by 1–3/8 in. deep channels spaced max 24 in. OC.
   B. **Wallboard, Gypsum***– Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The 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 dia. of opening is 4–1/2 in. (114 mm).
2. **Pipe Conduit**– Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 6 in. diam (or smaller) steel conduit, nom 4 in. diam (or smaller) steel electrical metallic tubing or Type L or (or heavier) copper tubing or nom 1 in. diam (or smaller) flexible steel conduit. When copper pipe or flexible steel conduit is used, max F Rating of firestop system (Item 1) is 2hr. Steel pipes or conduits larger than nom 4 in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the firestop system. Pipe or conduit to be installed near center of stud cavity with end to be rigidly supported on both sides of wall assembly.
3. **Fill, Void or Cavity Material*** – **Sealant** – Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min 1/4 in. diam bead of caulk applied to perimeter of pipe or conduit at its egress form the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as listed below:

Max Pipe or Conduit Diam., in	Annular Space, In	F Rating, Hr	T Rating, Hr
1	0 to 3/16	1 or 2	0 + , 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1/4	1 or 2	0
4	1/4 to 1/2	3 or 4	0
12	1/16 to 5/8	1 or 4	0

+ When copper pipe is used, T Rating is 0 h.
   Minnesota Mining & Mfg. Co.– Types CP–25 S/L, CP–25 N/S, CP–25 WB, CP–25 WB+. (Note: L Rating apply only when Type CP–25 WB+ caulk is used.)
*Bearing the UL Classification Marking

PVC PENETRATION

Through-penetration Firestop Systems
UL System No. W-L-0489
F Ratings - 3 and 4 Hr (See Item 1)
T Rating - 0 Hr
L Rating at Ambient - Less Than 1 CFM/sq ft

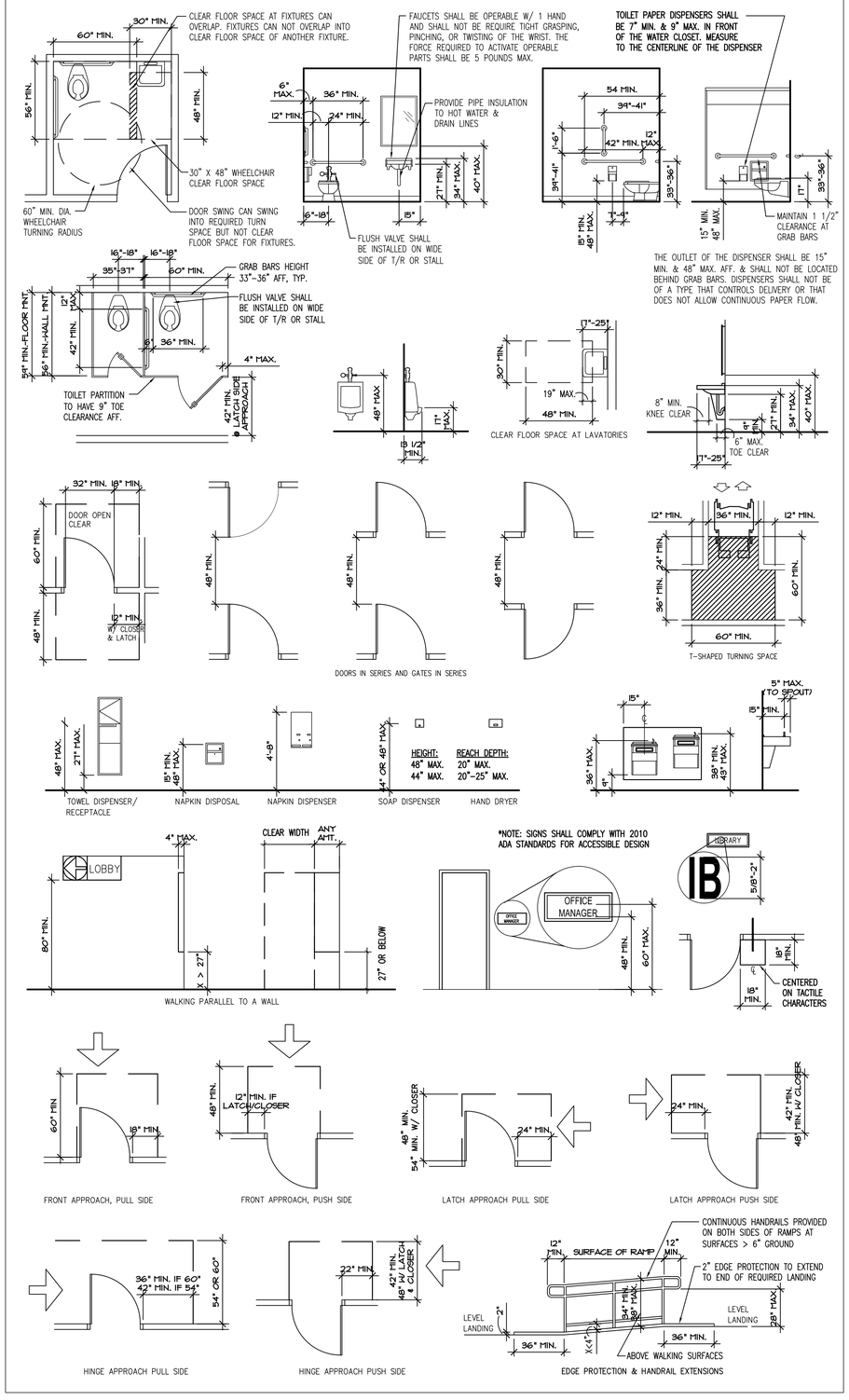


1. **Wall Assembly -** The 3 or 4 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs - Wall framing shall consist of steel channel studs. Steel studs to be min. 1-5/8 in. (41 mm) wide for 4 hr rated walls and min. 2-1/2 in. (64 mm) wide for 3 hr rated walls. Studs to be spaced max. 24 in. (610 mm) OC.
   B. Gypsum Board* - Multiple layers of min. 1/2 in. (13 mm) thick gypsum board. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory. Max. dia. of opening is 4-1/2 in. (114 mm).
2. **Steel Sleeve -** Cylindrical sleeve fabricated from min. 0.013 in. (0.330 mm) thick (No. 30 gauge) to max. 0.056 in. (1.42 mm) (No. 16 gauge) galv steel sheet and having a min 2 in. (51 mm) lap along the longitudinal seam. Length of sleeve to be nom. 1 in. (25 mm) less than thickness of wall. Sleeve to be installed by coiling the sheet metal to a diam smaller than the through opening, inserting the coil through the opening and releasing the coil to let it uncoil against the circular cutouts in the gypsum board layers. Sleeve to be centered within thickness of wall.
3. **Through Penetrants -** One nonmetallic pipe to be installed within the opening. The annular space between the through penetrant and periphery of the opening shall be min. 1/2 in. (13 mm) to max. 1-5/8 in. (41 mm). Pipe to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes may be used:
   A. Polyvinyl Chloride (PVC) Pipe - Nom. 2 in. (51 mm) dia. (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   B. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom. 2 in. (51 mm) dia. Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   C. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom. 2 in. (51 mm) dia. (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

PVC PENETRATION

FIRE RATED CONSTRUCTION DETAILS

2010 - ADA STANDARDS FOR ACCESSIBLE DESIGN



ADA STANDARD DETAILS

1/4" = 1'-0"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
03/01/2023

STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE

4101 NE PORT DRIVE
LEE'S SUMMIT, MO

STATE OF MISSOURI — STANLEY C. HERNLY — A-5721 — REGISTERED ARCHITECT

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CODE DETAILS
FIRE DETAILS

Date: 2022/11/08
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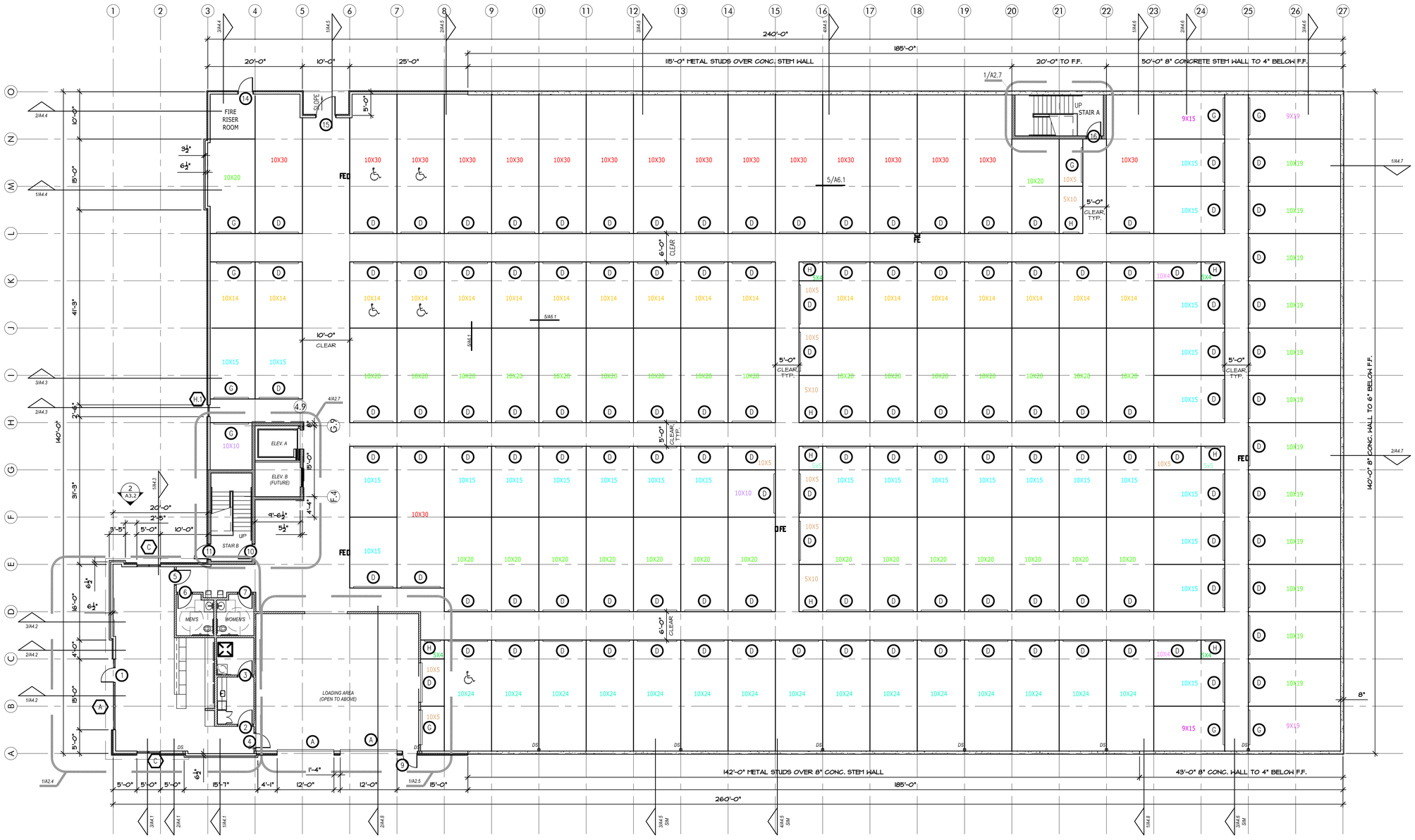
Revisions : 2023/01/03

A1.2



PLAN NORTH

FLOOR PLAN LEGEND

	METAL PARTITION SYSTEM (CORRIDOR SIDE OF PARTITION EXCEPT WHERE NOTED OTHERWISE) HALLWAYS TO BE JANUS CORRUGATED METAL PARTITIONS TYP. –REFER DETAIL 5/A6.1
	INSULATED METAL WALL PANEL –REF. ELEVATIONS SHEET FOR EXTENTS OF EXTERIOR FINISHES.
	GYP. BD. ON METAL STUD FRAMING –REFER PARTITION TYPES, SHEET A6.1
	1–HOUR FIRE–RATED WALL @ STAIRS, ELEVATOR, AND FIRE RISER ROOM
	8" CONCRETE STEM WALL
	INSULATED METAL PARTITION SYSTEM REFER TO DETAIL SHEET 4/A6.1

GENERAL NOTES (TYPICAL ALL SHEETS)

1. INTERIOR AND EXTERIOR STORAGE UNIT SIGNAGE TO BE APPROVED BY OWNER. SIGNAGE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
2. GENERAL CONTRACTOR TO COORDINATE ALL FOUNDATION PENETRATIONS WITH STRUCTURAL ENGINEER.
3. ROOF PANELS TO BE 60 MIL TPO ROOF TO MEET LOCAL WIND LOAD REQUIREMENTS ENGINEERED BY METAL BUILDING MANUFACTURER.
4. GENERAL CONTRACTOR/TPO ROOFING SUBCONTRACTOR TO SIZE/SPACE INTERNAL ROOF DRAINS AS REQUIRED TO MEET LOCAL REQUIREMENTS. SECONDARY ROOF DRAINS TO BE PROVIDED. GENERAL CONTRACTOR TO COORDINATE CONNECTION TO UNDERGROUND STORM DRAIN.
5. GENERAL CONTRACTOR IS TO SUBMIT ALL SAMPLES OF PRODUCTS, ETC. TO OWNER FOR APPROVAL/ SELECTION OF ALL COLORS, FINISHES, ETC. PRIOR TO PURCHASE AND INSTALLATION
6. ALL EXTERIOR WALL DIMENSIONS ARE TO FOUNDATION (INCL. LUG) UNLESS NOTED OTHERWISE. 3RD FLOOR EXTERIOR WALL DIMENSIONS ARE TO FINISH MATERIAL. ALL INTERIOR DIMENSIONS ARE TO OUTER FACE OF MATERIAL USED UNLESS NOTED OTHERWISE.
7. NOT USED.
8. PROVIDE & INSTALL FIRE EXTINGUISHERS (FE) WALL CABINETS. RECESS CABINETS @ 48" A.F.F. RECESSED, FLUSH WITH WALL AT ALL INTERIOR APPLICATIONS. MOUNT TO PIERS, 48" A.F.F. IN HEAVY DUTY OUTDOORS FIRE EXTINGUISHER CABINET AT ALL EXTERIOR APPLICATIONS. LOCATE ONE CLASS 2–A FIRE EXTINGUISHER SO THAT MAX. TRAVEL DISTANCE IS 75 L.F. W/ A MINIMUM OF 1 FOR EVERY 11,250 S.F. PER TABLE 906.3(1) OF THE 2015 INTERNATIONAL FIRE CODE OR AS DIRECTED BY LOCAL AUTHORITIES HAVING JURISDICTION. (KEYED ON FLOOR PLANS) FURR OUT WALL AT FE LOCATIONS W/ 6" METAL STUDS AND METAL WALL PANEL EACH SIDE.
9. FLOOR FINISH CONCRETE TO BE POLISHED CONCRETE IN CORRIDORS ONLY. (EXCLUDING STORAGE UNITS)
10. BUILDING MUST COMPLY W/ LOCAL AMERICAN W/ DISABILITIES ACT –REF. SHEET A2.6
11. FURR OUT WALL IN ELECTRICAL ROOMS TO RECESS ELECTRICAL PANEL.
12. ALL INTERIOR CMU TO BE PAINTED SW PRO CLASSIC B31 SERIES PAINT EXCLUDING INSIDE OF INDIVIDUAL STORAGE UNITS. ALL CMU INSIDE INDIVIDUAL STORAGE UNITS NOT TO BE PAINTED OR SEALED.
13. ~~FIRE RISER ROOM TO HAVE 1–HR FIRE–RATED WALLS AND CEILING. REFER UL FIRE–RATED ASSEMBLES, SHEET A1.3~~
14. GENERAL CONTRACTOR TO COORDINATE STANDPIPE/FIRE SPRINKLER DESIGN WITH ROOM SIZE AND CONFIGURATION.

	SELF STORAGE UNITS MARKED WITH A HANDICAP SYMBOL TO BE ACCESSIBLE AND FOLLOW ACCESSIBILITY STANDARDS
TABLE 225.3	
TOTAL SPACES IN FACILITY	MINIMUM NUMBER OF SPACES REQUIRED TO BE ACCESSIBLE
1 TO 200	5%, BUT NOT LESS THAN 1
201 AND OVER	10, PLUS 2% OF THE TOTAL NUMBER OF UNITS OVER 200
SECTION 225.3.1 DISPERSION.	
INDIVIDUAL SELF–SERVICE STORAGE SPACES SHALL BE DISPERSED THROUGHOUT THE VARIOUS CLASSES OF SPACES PROVIDED. WHERE MORE CLASSES OF SPACES ARE PROVIDED THAN THE NUMBER REQUIRED TO BE ACCESSIBLE, THE NUMBER OF SPACES SHALL NOT BE REQUIRED TO EXCEED THAT REQUIRED BY TABLE 225.3. SELF–SERVICE STORAGE SPACES COMPLYING WITH TABLE 225.3 SHALL NOT BE REQUIRED TO BE DISPERSED AMONG BUILDINGS IN A MULTI–BUILDING FACILITY.	
ACCESSIBLE UNITS MUST MEET THE FOLLOWING CRITERIA:	
403.3 ACCESSIBLE ROUTE	THE RUNNING SLOPE OF WALKING SURFACES NOT STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.
404.2.5 THRESHOLDS	1/2" HIGH MAXIMUM
404.2.7 DOOR HARDWARE	OPERABLE PARTS OF HARDWARE SHALL BE 34" MIN. AND 48" MAX. ABOVE FINISHED FLOOR OR GROUND
404.2.9 DOOR OPENING FORCE	5 POUNDS MAXIMUM
ACCESSIBLE UNITS MUST ALSO PROVIDE ACCESSIBLE ROUTES TO ACCESSIBLE MEANS OF EGRESS, PARKING SPACES, AND COMMON USE ELEMENTS & FACILITIES (TOILET ROOMS, DRINKING FOUNTAINS, ETC.).	
PROVIDE JANUS ADA KIT (THREE STRAPS AND ACCESSIBLE SIGN) –JANUS TO INSTALL	
ADA CALCULATIONS: 590 UNITS –200 UNITS 390 UNITS X .02 = 7.8 SPACES + 10 SPACES = 18 SPACES REQUIRED	

1 FIRST STORY PLAN
3/32" = 1'-0"

STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE
4101 NE PORT DRIVE
LEE'S SUMMIT, MO

STATE OF MISSOURI
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1ST STORY PLAN

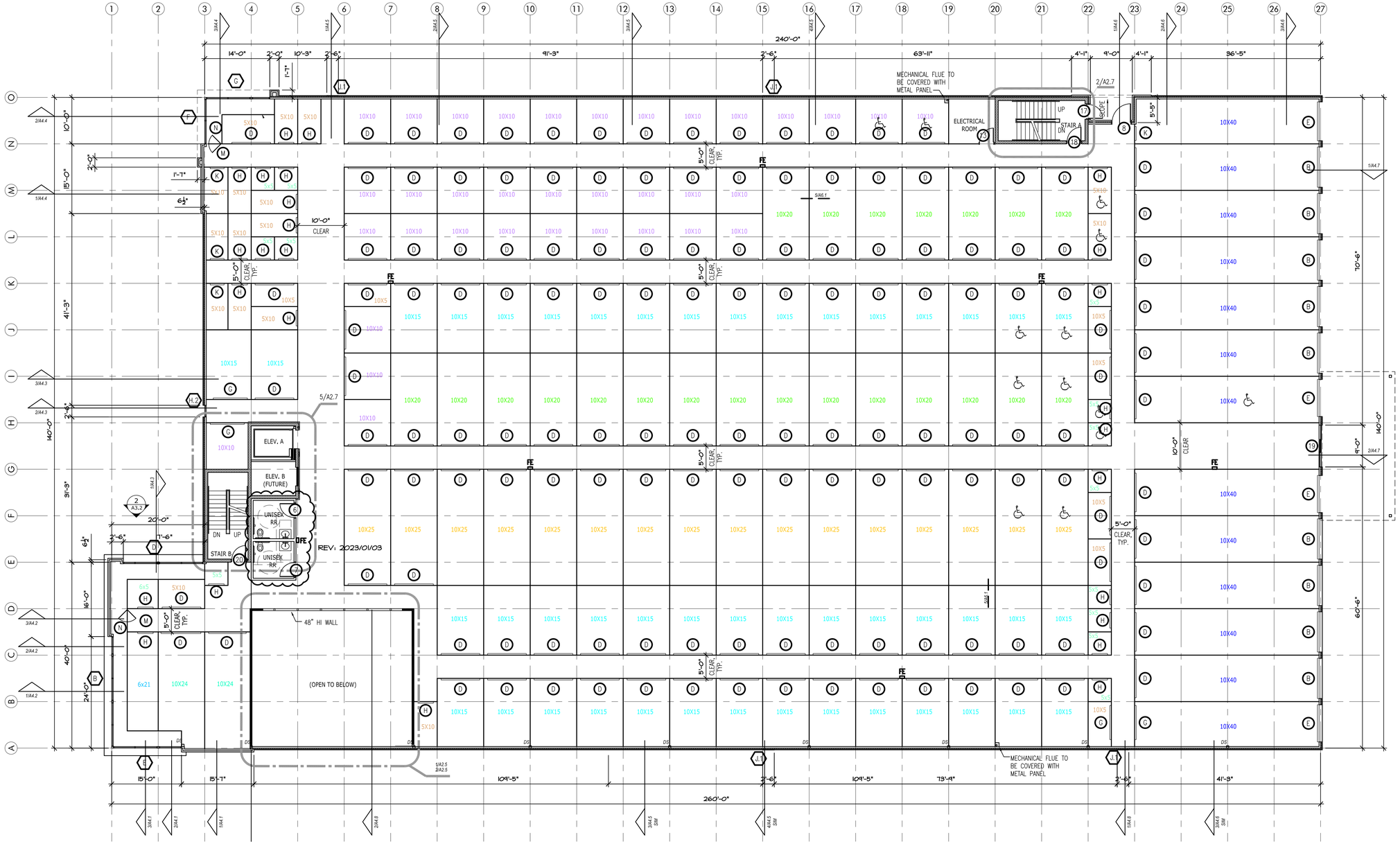
Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2022/01/03

A2.1

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
03/01/2023

STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE
4101 NE PORT DRIVE
LEE'S SUMMIT, MO



PLAN NORTH

FLOOR PLAN LEGEND

	METAL PARTITION SYSTEM (CORRIDOR SIDE OF PARTITION EXCEPT WHERE NOTED OTHERWISE) HALLWAYS TO BE JANUS CORRUGATED METAL PARTITIONS TYP. –REFER DETAIL 5/A6.1
	INSULATED METAL WALL PANEL –REF. ELEVATIONS SHEET FOR EXTENTS OF EXTERIOR FINISHES.
	GYP. BD. ON METAL STUD FRAMING –REFER PARTITION TYPES, SHEET A6.1
	1–HOUR FIRE–RATED WALL @ STAIRS, ELEVATOR, AND FIRE RISER ROOM
	8" CONCRETE STEM WALL
	INSULATED METAL PARTITION SYSTEM REFER TO DETAIL SHEET 4/A6.1

GENERAL NOTES (TYPICAL ALL SHEETS)

1. INTERIOR AND EXTERIOR STORAGE UNIT SIGNAGE TO BE APPROVED BY OWNER. SIGNAGE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
2. GENERAL CONTRACTOR TO COORDINATE ALL FOUNDATION PENETRATIONS WITH STRUCTURAL ENGINEER.
3. ROOF PANELS TO BE 60 MIL TPO ROOF TO MEET LOCAL WIND LOAD REQUIREMENTS ENGINEERED BY METAL BUILDING MANUFACTURER.
4. GENERAL CONTRACTOR/TPO ROOFING SUBCONTRACTOR TO SIZE/SPACE INTERNAL ROOF DRAINS AS REQUIRED TO MEET LOCAL REQUIREMENTS. SECONDARY ROOF DRAINS TO BE PROVIDED. GENERAL CONTRACTOR TO COORDINATE CONNECTION TO UNDERGROUND STORM DRAIN.
5. GENERAL CONTRACTOR IS TO SUBMIT ALL SAMPLES OF PRODUCTS, ETC. TO OWNER FOR APPROVAL/ SELECTION OF ALL COLORS, FINISHES, ETC. PRIOR TO PURCHASE AND INSTALLATION
6. ALL EXTERIOR WALL DIMENSIONS ARE TO FOUNDATION (INCL. LUG) UNLESS NOTED OTHERWISE. 3RD FLOOR EXTERIOR WALL DIMENSIONS ARE TO FINISH MATERIAL. ALL INTERIOR DIMENSIONS ARE TO OUTER FACE OF MATERIAL USED UNLESS NOTED OTHERWISE.
7. NOT USED.
8. PROVIDE & INSTALL FIRE EXTINGUISHERS (FE) WALL CABINETS. RECESS CABINETS @ 48" A.F.F. RECESSED, FLUSH WITH WALL AT ALL INTERIOR APPLICATIONS. MOUNT TO PIERS, 48" A.F.F. IN HEAVY DUTY OUTDOORS FIRE EXTINGUISHER CABINET AT ALL EXTERIOR APPLICATIONS. LOCATE ONE CLASS 2–A FIRE EXTINGUISHER SO THAT MAX. TRAVEL DISTANCE IS 75 L.F. W/ A MINIMUM OF 1 FOR EVERY 11,250 S.F. PER TABLE 906.3(1) OF THE 2015 INTERNATIONAL FIRE CODE OR AS DIRECTED BY LOCAL AUTHORITIES HAVING JURISDICTION. (KEYED ON FLOOR PLANS) FURR OUT WALL AT FE LOCATIONS W/ 6" METAL STUDS AND METAL WALL PANEL EACH SIDE.
9. FLOOR FINISH CONCRETE TO BE POLISHED CONCRETE IN CORRIDORS ONLY. (EXCLUDING STORAGE UNITS)
10. BUILDING MUST COMPLY W/ LOCAL AMERICAN W/ DISABILITIES ACT –REF. SHEET A2.6
11. FURR OUT WALL IN ELECTRICAL ROOMS TO RECESS ELECTRICAL PANEL.
12. ALL INTERIOR CMU TO BE PAINTED SW PRO CLASSIC B31 SERIES PAINT EXCLUDING INSIDE OF INDIVIDUAL STORAGE UNITS. ALL CMU INSIDE INDIVIDUAL STORAGE UNITS NOT TO BE PAINTED OR SEALED.
13. ~~FIRE RISER ROOM TO HAVE 1–HR FIRE–RATED WALLS AND CEILING. REFER UL FIRE–RATED ASSEMBLES, SHEET A1.3~~
14. GENERAL CONTRACTOR TO COORDINATE STANDPIPE/FIRE SPRINKLER DESIGN WITH ROOM SIZE AND CONFIGURATION.

SELF STORAGE UNITS MARKED WITH A HANDICAP SYMBOL TO BE ACCESSIBLE AND FOLLOW ACCESSIBILITY STANDARDS

TABLE 225.3	
TOTAL SPACES IN FACILITY	MINIMUM NUMBER OF SPACES REQUIRED TO BE ACCESSIBLE
1 TO 200	5%, BUT NOT LESS THAN 1
201 AND OVER	10, PLUS 2% OF THE TOTAL NUMBER OF UNITS OVER 200

SECTION 225.3.1 DISPERSION.

INDIVIDUAL SELF–SERVICE STORAGE SPACES SHALL BE DISPERSED THROUGHOUT THE VARIOUS CLASSES OF SPACES PROVIDED. WHERE MORE CLASSES OF SPACES ARE PROVIDED THAN THE NUMBER REQUIRED TO BE ACCESSIBLE, THE NUMBER OF SPACES SHALL NOT BE REQUIRED TO EXCEED THAT REQUIRED BY TABLE 225.3. SELF–SERVICE STORAGE SPACES COMPLYING WITH TABLE 225.3 SHALL NOT BE REQUIRED TO BE DISPERSED AMONG BUILDINGS IN A MULTI–BUILDING FACILITY.

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404.2.5 THRESHOLDS	1/2" HIGH MAXIMUM
404.2.7 DOOR HARDWARE	OPERABLE PARTS OF HARDWARE SHALL BE 34" MIN. AND 48" MAX. ABOVE FINISHED FLOOR OR GROUND
404.2.9 DOOR OPENING FORCE	5 POUNDS MAXIMUM

ACCESSIBLE UNITS MUST ALSO PROVIDE ACCESSIBLE ROUTES TO ACCESSIBLE MEANS OF EGRESS, PARKING SPACES, AND COMMON USE ELEMENTS & FACILITIES (TOILET ROOMS, DRINKING FOUNTAINS, ETC.).

PROVIDE JANUS ADA KIT (THREE STRAPS AND ACCESSIBLE SIGN) –JANUS TO INSTALL

ADA CALCULATIONS:
590 UNITS
–200 UNITS
390 UNITS X .02 = 7.8 SPACES + 10 SPACES = 18 SPACES REQUIRED

1 SECOND STORY PLAN
3/32" = 1'-0"

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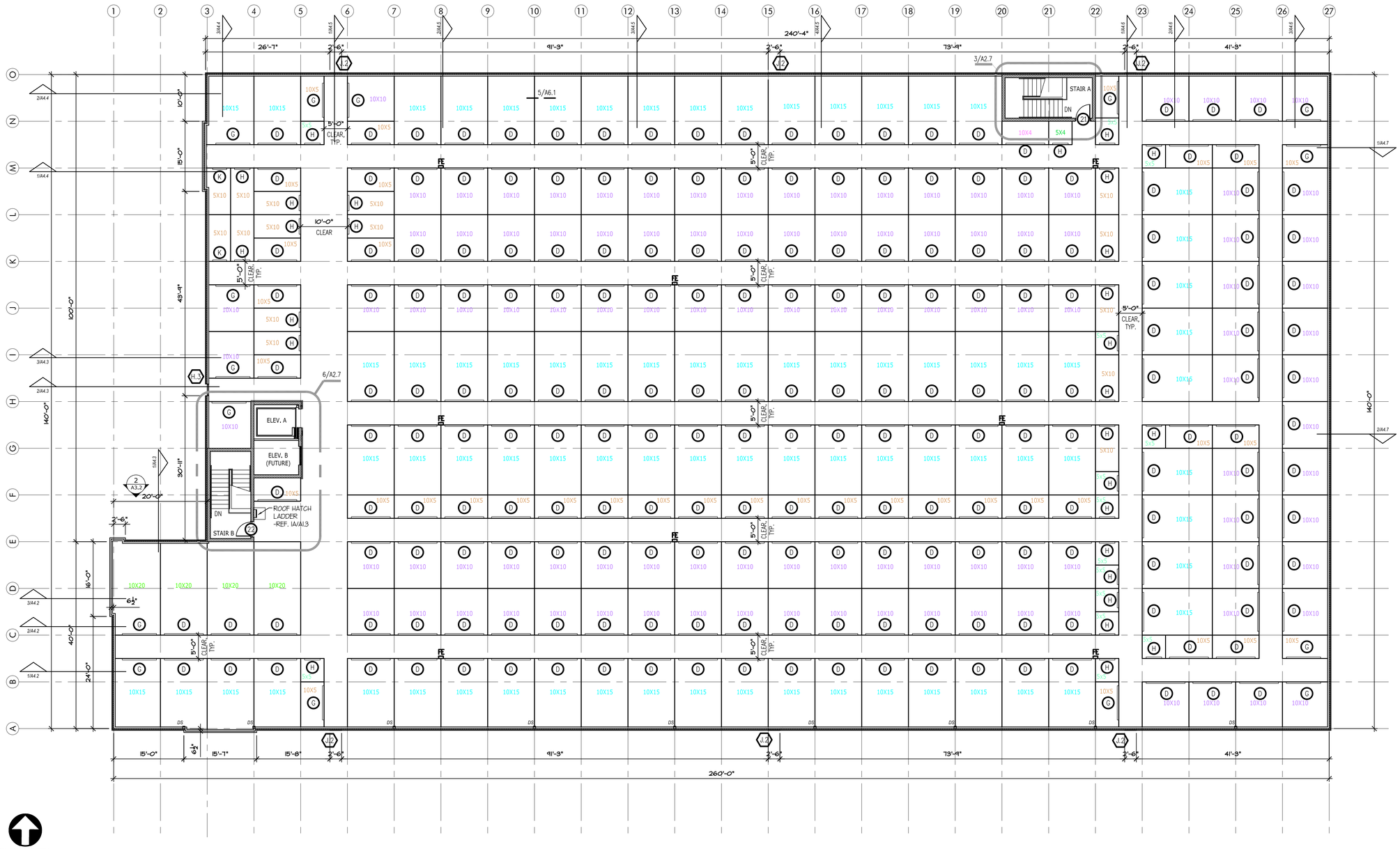
2ND STORY PLAN

Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : ~~2023/01/03~~

A2.2



PLAN NORTH

FLOOR PLAN LEGEND

	METAL PARTITION SYSTEM (CORRIDOR SIDE OF PARTITION EXCEPT WHERE NOTED OTHERWISE) HALLWAYS TO BE JANUS CORRUGATED METAL PARTITIONS TYP. –REFER DETAIL 5/A6.1
	INSULATED METAL WALL PANEL –REF. ELEVATIONS SHEET FOR EXTENTS OF EXTERIOR FINISHES.
	GYP. BD. ON METAL STUD FRAMING –REFER PARTITION TYPES, SHEET A6.1
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	8" CONCRETE STEM WALL
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GENERAL NOTES (TYPICAL ALL SHEETS)

1. INTERIOR AND EXTERIOR STORAGE UNIT SIGNAGE TO BE APPROVED BY OWNER. SIGNAGE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
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PROVIDE JANUS ADA KIT (THREE STRAPS AND ACCESSIBLE SIGN) –JANUS TO INSTALL	
ADA CALCULATIONS: 590 UNITS –200 UNITS 390 UNITS X .02 = 7.8 SPACES + 10 SPACES = 18 SPACES REQUIRED	

1 THIRD STORY PLAN
3/32" = 1'-0"

STRICKLAND CONSTRUCTION COMPANY

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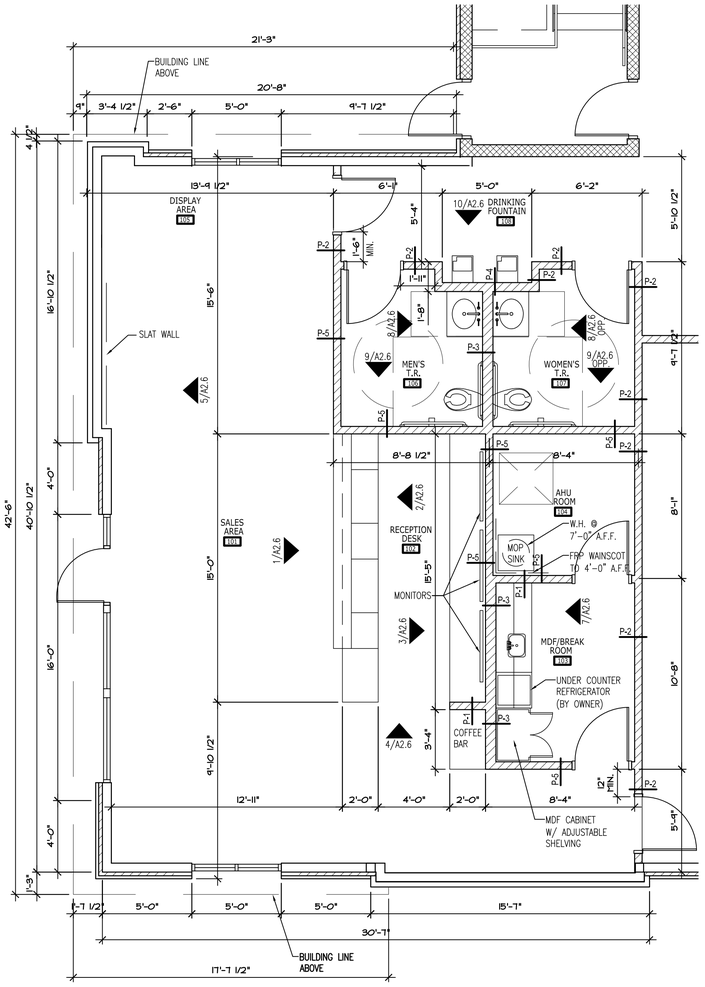
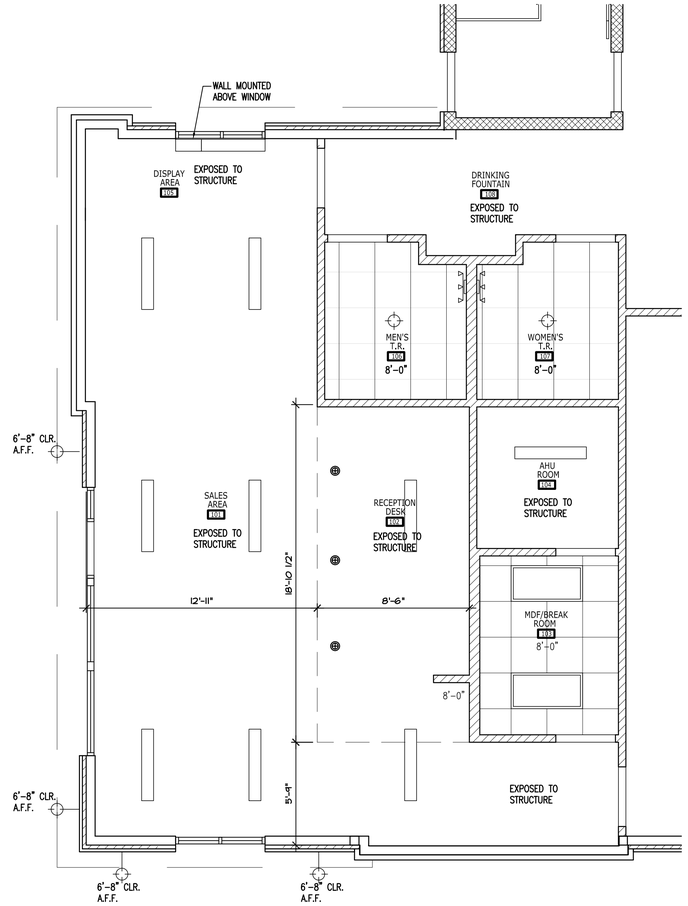
3RD STORY PLAN

Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03

A2.3



PLAN NORTH



PLAN NORTH

ENLARGED FLOOR PLAN LEGEND	
	METAL PARTITION SYSTEM (CORRIDOR SIDE OF PARTITION EXCEPT WHERE NOTED OTHERWISE) HALLWAYS TO BE JANUS CORRUGATED METAL PARTITIONS TYP. –REFER CORRUGATED HALLWAY SYSTEM A6.1
	METAL STUD WALL FRAMING
	INTERIOR METAL STUD WALL FRAMING –REFER PARTITION TYPES SHEET A6.1
	4" STRIPES PAINTED ON PAVING @ 2'–0" O.C. ~~COLOR: SAFETY YELLOW~~

GENERAL NOTES

1. REFERENCE SHEET A6.1 FOR PARTITION TYPES (P–#)
2. BUILDING MUST COMPLY W/ LOCAL AMERICAN W/ DISABILITIES ACT –REF. SHEET A2.6

REFLECTED CEILING PLAN LEGEND			
	SUSPENDED PAINTED GYP. BD. CEILING		EXTERIOR WALL SCONCE –WALL MOUNTED
	2' X 2' OPEN GRID CEILING		VANITY LIGHT
	4' LED LIGHT		PENDANT LIGHT
	2' X 4' LED LIGHT –RECESSED		LARGE PENDANT LIGHT
	RECESSED LIGHT		MEP DIFFUSER

NOTES:
1. REFER MEP FOR FIXTURE SPECIFICATIONS.
2. COORDINATE LIGHT FIXTURES AND MECHANICAL SUPPLY/RETURN PRIOR TO INSTALLATION.
3. PAINT UNDERSIDE OF FLOOR DECK, EXPOSED STRUCTURE AND DUCTS IN OFFICE WHERE VISIBLE. (CALL OUT PT COLOR ON A7.1)

1 OFFICE FLOOR PLAN
1/4" = 1'-0"

2 OFFICE REFLECTED CEILING PLAN
1/4" = 1'-0"

STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE

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PLAN DETAILS

Date: 2022/11/08
Drawn by : SJB
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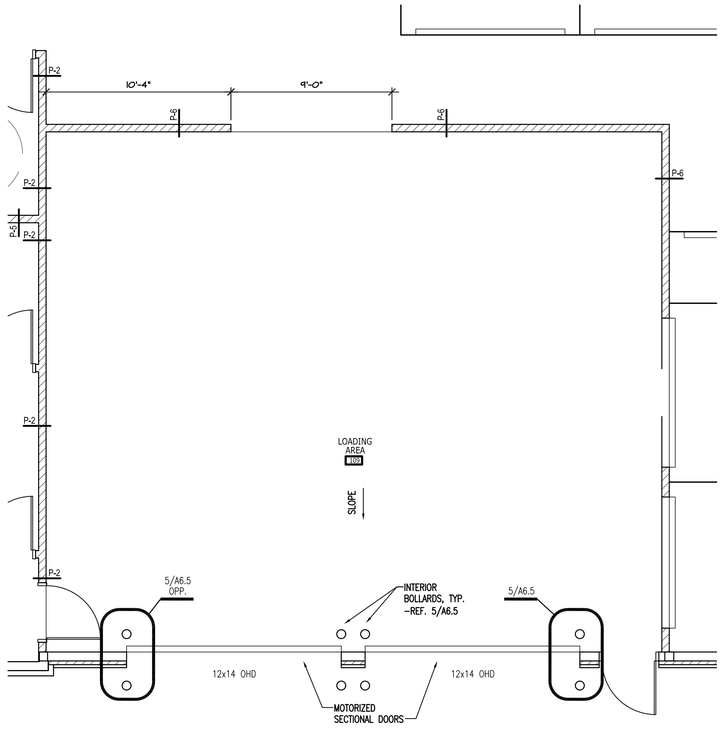
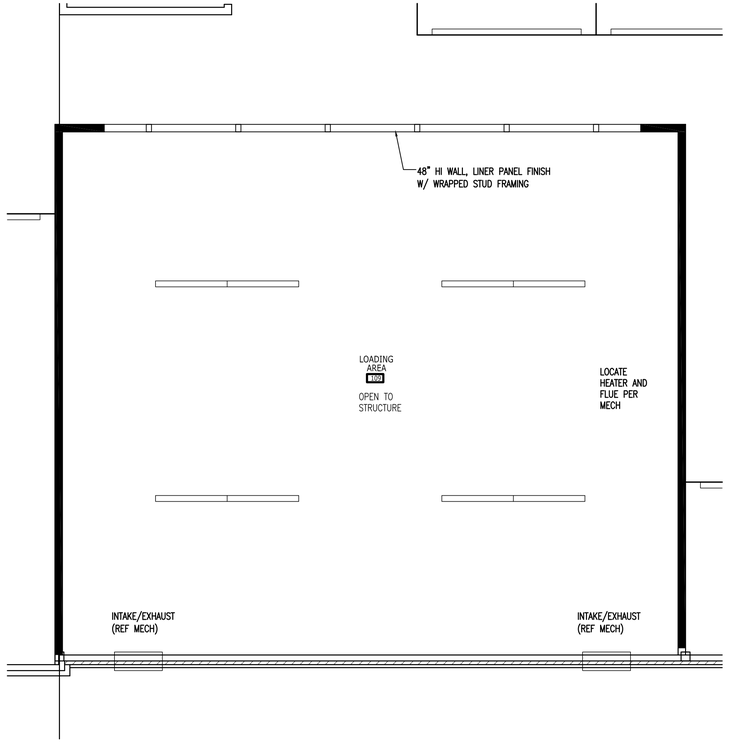
Revisions : 2023/01/03

A2.4



PLAN NORTH



PLAN NORTH

ENLARGED FLOOR PLAN LEGEND	
	METAL PARTITION SYSTEM (CORRIDOR SIDE OF PARTITION EXCEPT WHERE NOTED OTHERWISE) HALLWAYS TO BE JANUS CORRUGATED METAL PARTITIONS TYP. -REFER CORRUGATED HALLWAY SYSTEM A6.1
	METAL STUD WALL FRAMING
	INTERIOR METAL STUD WALL FRAMING -REFER PARTITION TYPES SHEET A6.1
	4" STRIPES PAINTED ON PAVING @ 2'-0" O.C. COLOR: SAFETY YELLOW

GENERAL NOTES

1. REFERENCE SHEET A6.1 FOR PARTITION TYPES (P-#)
2. BUILDING MUST COMPLY W/ LOCAL AMERICAN W/ DISABILITIES ACT -REF. SHEET A2.6

REFLECTED CEILING PLAN LEGEND			
	SUSPENDED PAINTED GYP. BD. CEILING		EXTERIOR WALL SCONCE -WALL MOUNTED
	2' X 2' OPEN GRID CEILING		VANITY LIGHT
	4' LED LIGHT		PENDANT LIGHT
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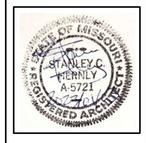
NOTES:
1. REFER MEP FOR FIXTURE SPECIFICATIONS.
2. COORDINATE LIGHT FIXTURES AND MECHANICAL SUPPLY/RETURN PRIOR TO INSTALLATION.
3. PAINT UNDERSIDE OF FLOOR DECK, EXPOSED STRUCTURE AND DUCTS IN OFFICE WHERE VISIBLE. (CALL OUT PT COLOR ON A7.1)

1 LOADING AREA FLOOR PLAN
1/4" = 1'-0"

2 LOADING AREA REFLECTED CEILING PLAN
1/4" = 1'-0"

STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE
4101 NE PORT DRIVE
LEE'S SUMMIT, MO



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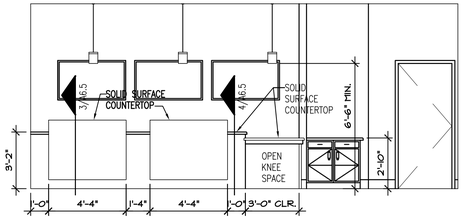
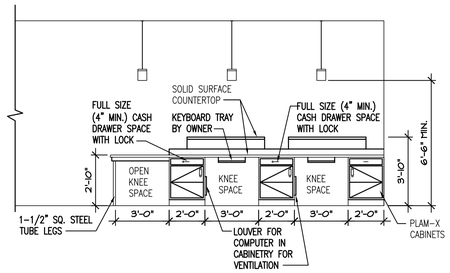
PLAN DETAILS

Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03

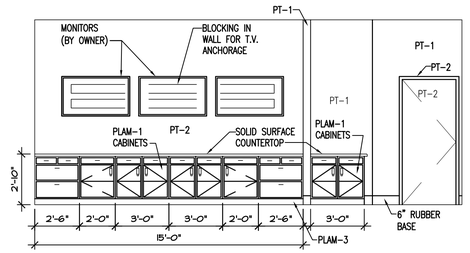
A2.5



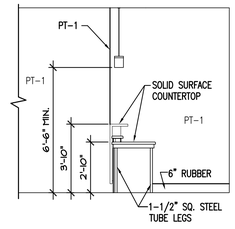
1 RECEPTION DESK ELEVATION
SCALE: 1/4" = 1'-0"



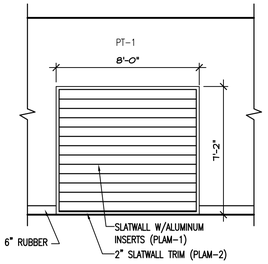
2 RECEPTION DESK ELEVATION
SCALE: 1/4" = 1'-0"



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



4 RECEPTION DESK ELEVATION
SCALE: 1/4" = 1'-0"

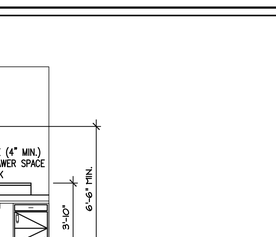


5 SLAT WALL ELEVATION
SCALE: 1/4" = 1'-0"

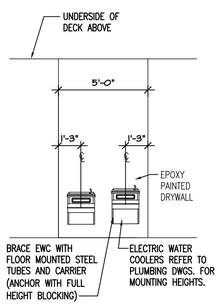
NOTE: ALL CABINETRY TO BE PLAM FINISH SELECTED BY OWNER

7 MDF/BREAK ROOM ELEVATION
SCALE: 1/4" = 1'-0"

8 TOILET ROOM ELEVATION
SCALE: 1/4" = 1'-0"



9 TOILET ROOM ELEVATION
SCALE: 1/4" = 1'-0"



10 DRINKING FOUNTAIN ELEVATION
SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES		
MARK	ITEM	HEIGHT
TA-1	TOILET TISSUE DISPENSER	19" CL
TA-2	HAND DRYERS	48" MAX.
TA-3	42" HORIZONTAL GRAB BAR	34" CL
TA-4	MIRROR	40"
TA-5	36" HORIZONTAL GRAB BAR	34" CL
TA-6	LAVATORY PIPING INSULATION	N/A
TA-7	FEMININE NAPKIN DISPOSAL	48" MAX.
TA-8	SOAP DISPENSER	44" MAX.
TA-9	18" VERTICAL GRAB BAR	40" CL

NOTES
1. FOR CONTROLS OR REACH, HEIGHT IS MAX.
2. FOR MIRRORS, HEIGHT IS TO BOTTOM OF REFLECTIVE EDGE.
3. FOR GRAB BARS, HEIGHT IS TO CENTER OF HORIZONTAL BAR.
4. ALL DESIGN MUST COMPLY W/ LOCAL AMERICAN'S W/DISABILITIES ACT – REF. SHEET A2.6
5. BLOCKING FOR ACCESSORIES BY GENERAL CONTRACTOR
6. SOAP DISPENSER TO BE INSTALLED OVER COUNTERTOP

INTERIOR ELEVATIONS
1/4" = 1'-0"

STRICKLAND CONSTRUCTION COMPANY

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INTERIOR ELEVATIONS

Date: 2022/11/08
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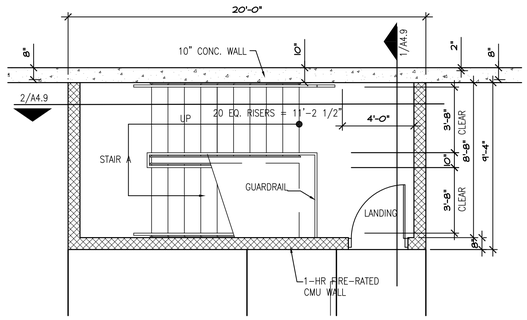
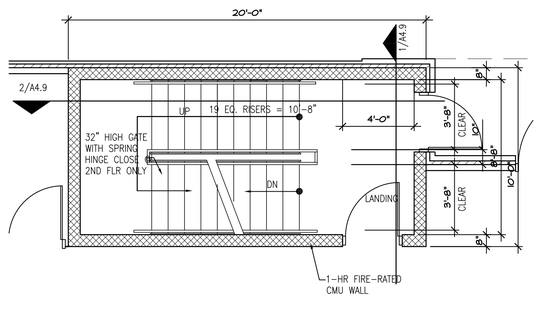
Checked by : SCH
Revisions : 2023/01/03

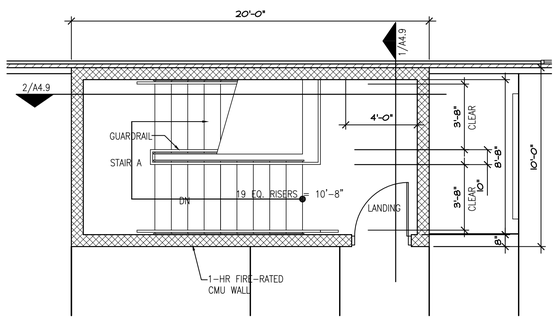
A2.6



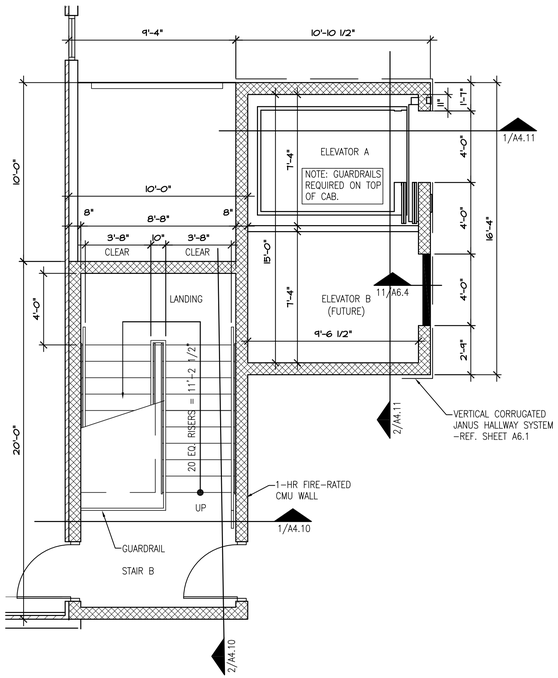
1 IST FLOOR - STAIR A
1/4" = 1'-0"



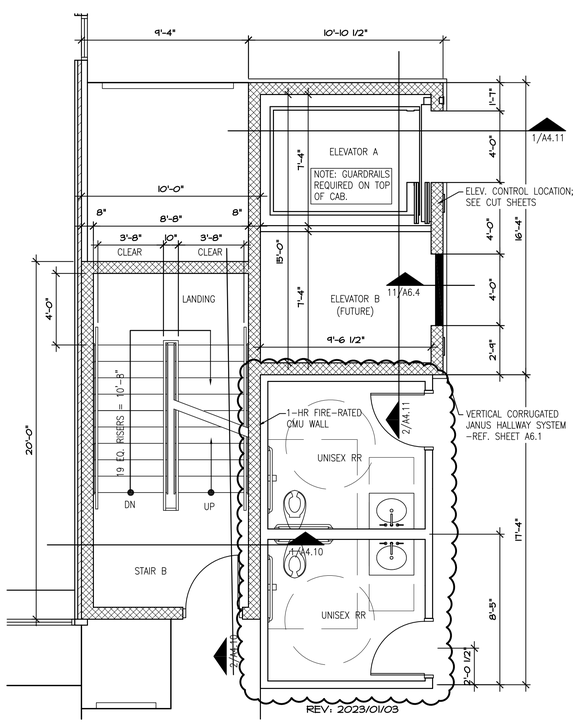
2 2ND FLOOR - STAIR A
1/4" = 1'-0"



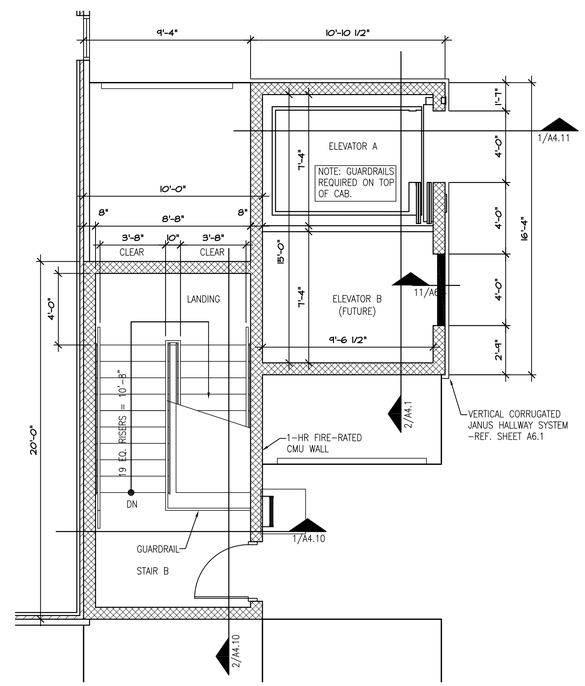
3 3RD FLOOR - STAIR A
1/4" = 1'-0"



4 IST FLOOR - STAIR B / ELEVATOR
1/4" = 1'-0"



5 2ND FLOOR - STAIR B / ELEVATOR
1/4" = 1'-0"



6 3RD FLOOR - STAIR B / ELEVATOR
1/4" = 1'-0"

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PLAN DETAILS

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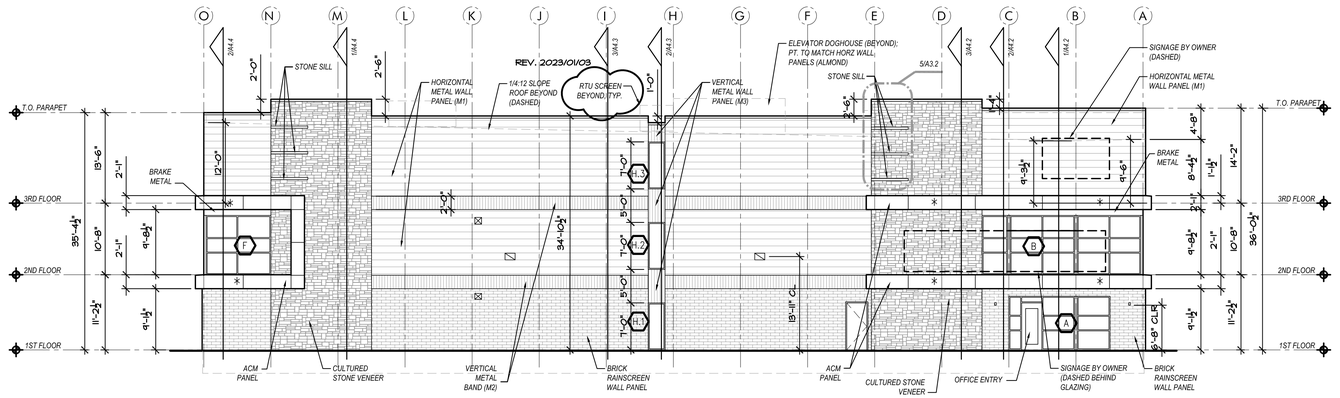
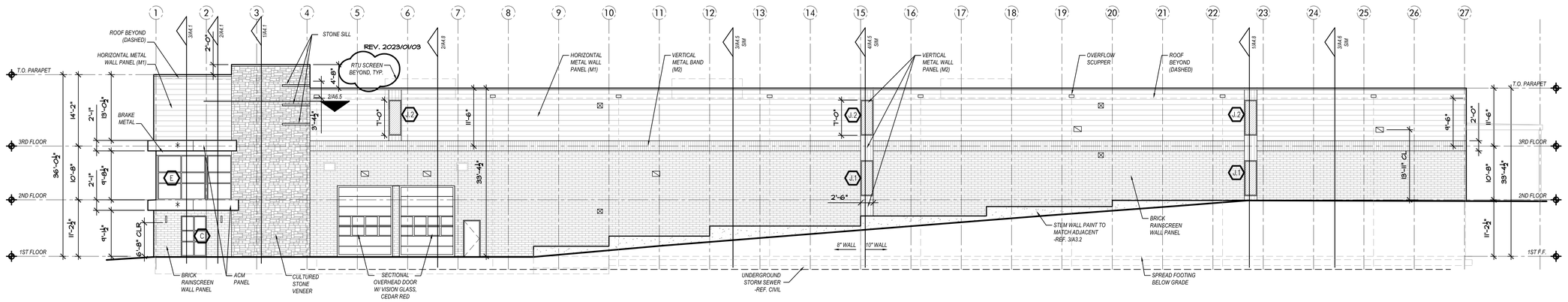
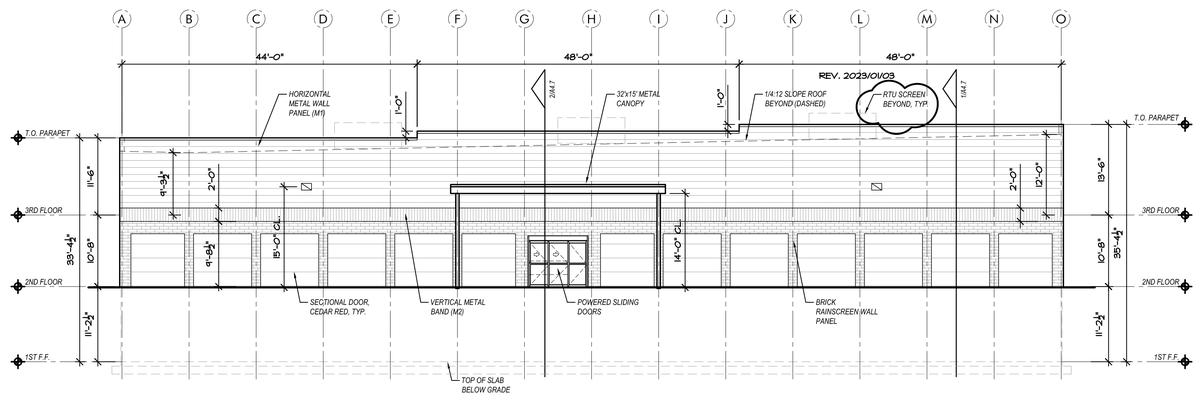
A2.7



1 WEST ELEVATION
3/32" = 1'-0"



2 SOUTH ELEVATION
3/32" = 1'-0"



3 EAST ELEVATION
3/32" = 1'-0"

SPANDREL GLASS

ELEVATION LEGEND		NOTES
	HORIZONTAL METAL WALL PANEL (M1)	MBCI SIGNATURE 300, 'ALMOND'
	VERTICAL METAL BAND (M2)	MBCI SIGNATURE 200 PBD, 'SOLAR WHITE'
*	ACM – ALUMINUM COMPOSITE MATERIAL PANEL	
	BRICK RAINSCREEN WALL PANEL (NICHIHA)	SIM. TO ACME BRICK, MENAWA
	CULTURED STONE VENEER	SIM. TO COBRASTONE, ANTIQUE LEUDERS, 4", 5", 8"
	EXTERIOR ROLL UP DOORS	SIM. TO JANUS, CEDAR RED
	EXTERIOR LIGHT FIXTURE –REF. MEP	
	OVERFLOW SCUPPER –REF. 12/A6.3	
	OUTSIDE AIR LOCATIONS –REF. MEP	

ELEVATION NOTES

1. METAL COPING, TRIM, AND FLASHING TO MATCH COLOR OF ADJACENT MATERIAL.
2. ROOF MATERIAL TO BE TPO ROOF SYSTEM SLOPED AT 1/4" FT WITH INTERNAL ROOF DRAINS TO CONNECT TO UNDERGROUND SEWER
3. OVERFLOW SCUPPERS TO BE 2" ABOVE LOWEST POINT OF ROOF.
4. PAINT MAN DOOR TO MATCH ADJACENT MATERIAL UNLESS NOTED OTHERWISE.
5. GENERAL CONTRACTOR/SIGNAGE COMPANY TO PROVIDE ANCHORAGE, BLOCKING, & WATERPROOFING FOR SIGNAGE.
6. MAX PARAPET HEIGHT TO BE 2'-6" WITHOUT STRUCTURAL SUPPORT.

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ELEVATIONS

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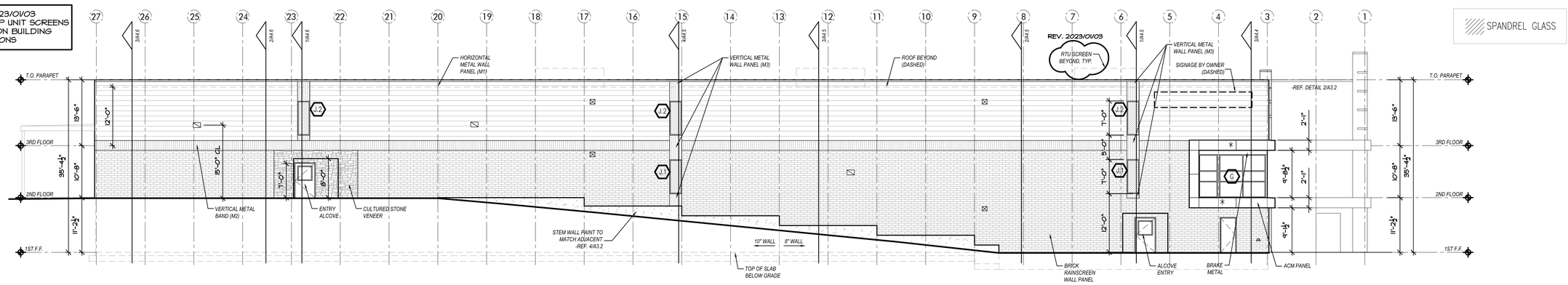
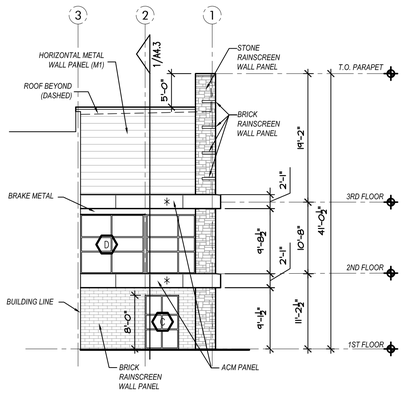
A3.1

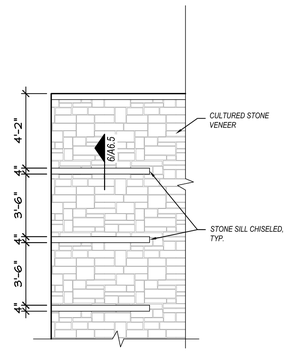
REV. 2023/01/03
ROOFTOP UNIT SCREENS SHOWN ON BUILDING ELEVATIONS



1 NORTH ELEVATION
3/32" = 1'-0"



2 NORTH ELEVATION DETAIL
3/32" = 1'-0"



5 THIRD STORY PLAN
3/32" = 1'-0"

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	HORIZONTAL METAL WALL PANEL (M1)	MBCI SIGNATURE 300, 'ALMOND'
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⊠	OUTSIDE AIR LOCATIONS –REF. MEP	

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RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
03/01/2023

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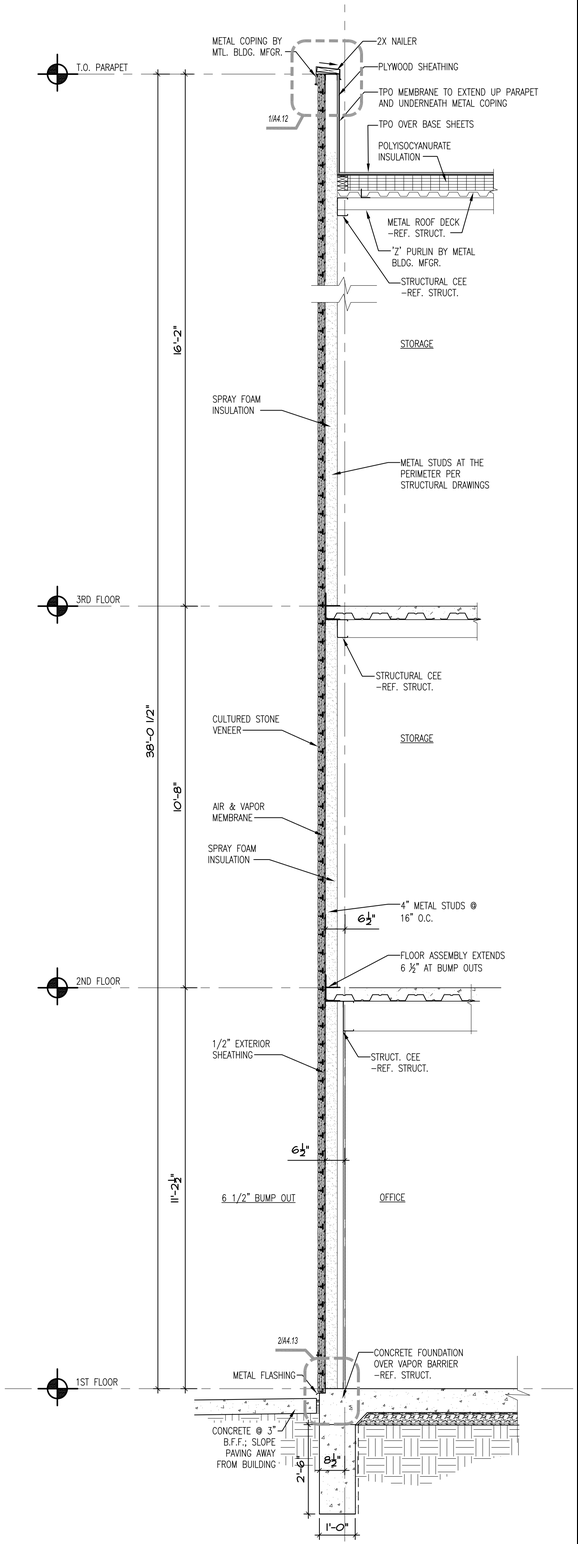
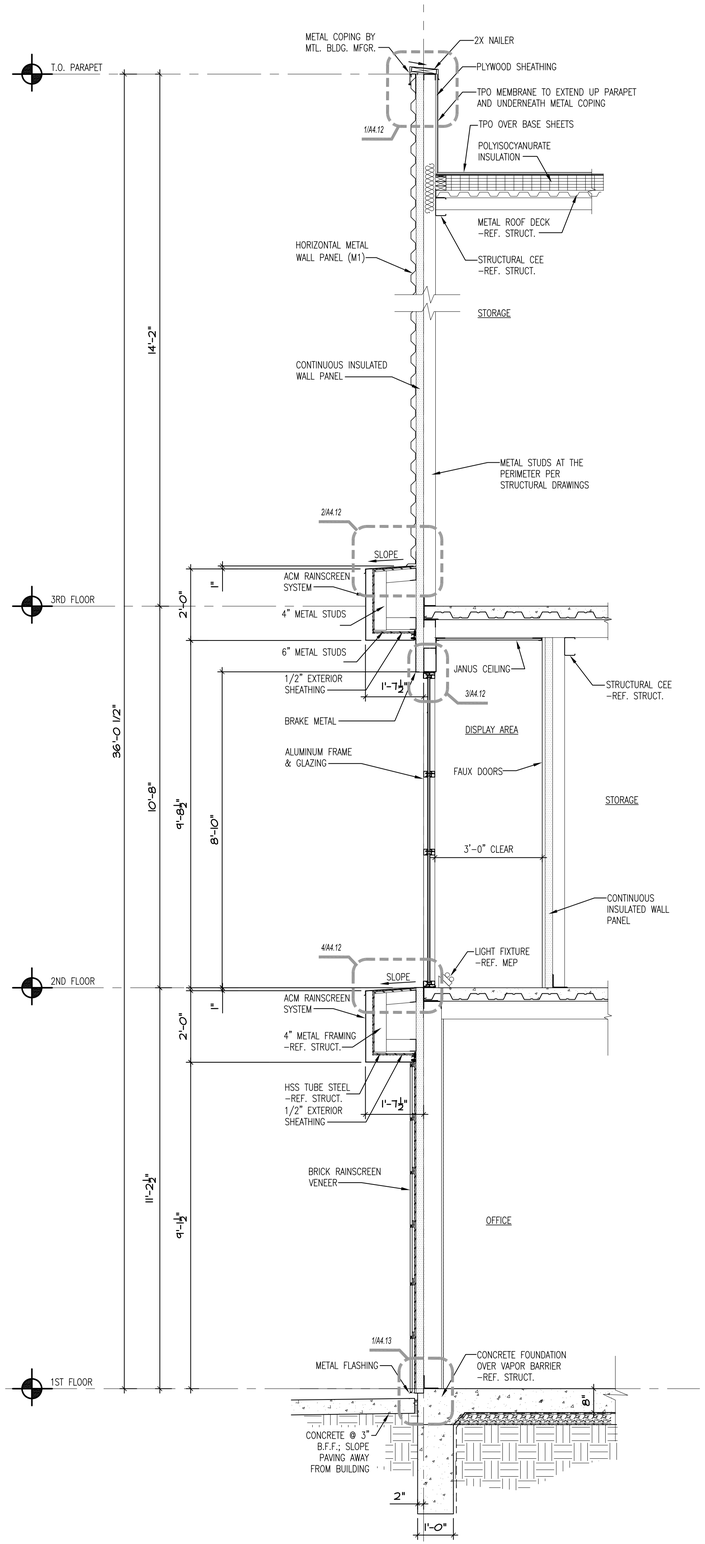
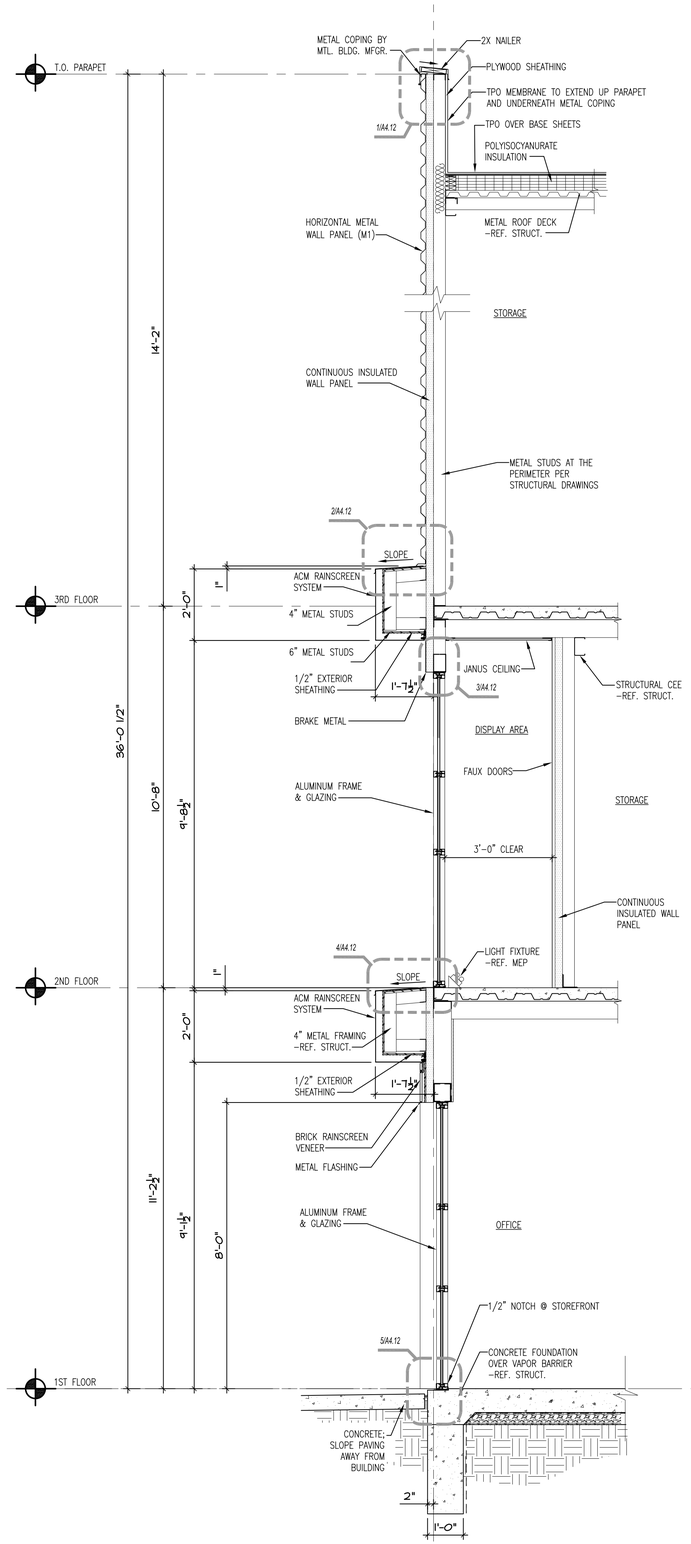
A3.2







1 WALL SECTION
1/2" = 1'-0"

2 WALL SECTION
1/2" = 1'-0"

3 WALL SECTION
1/2" = 1'-0"

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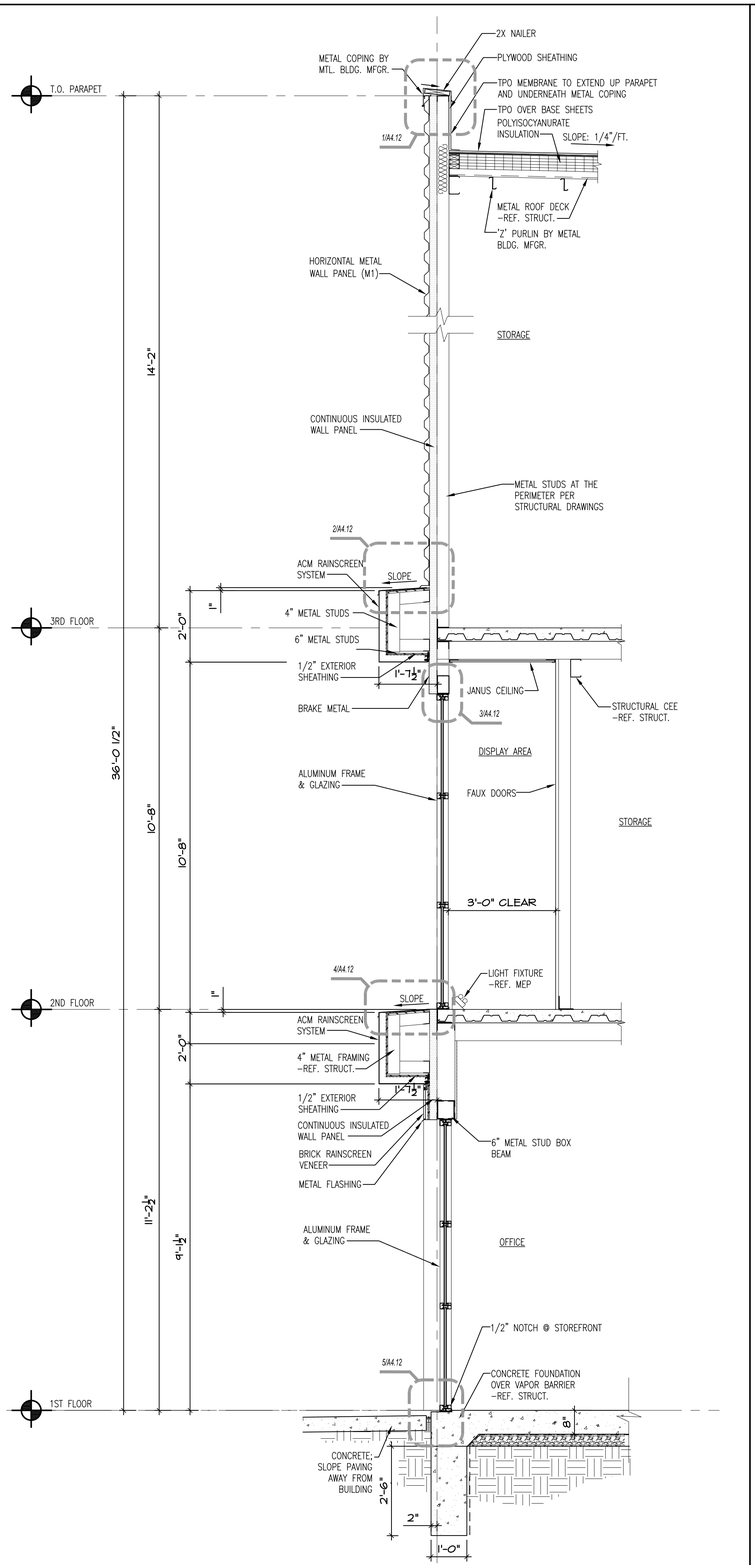
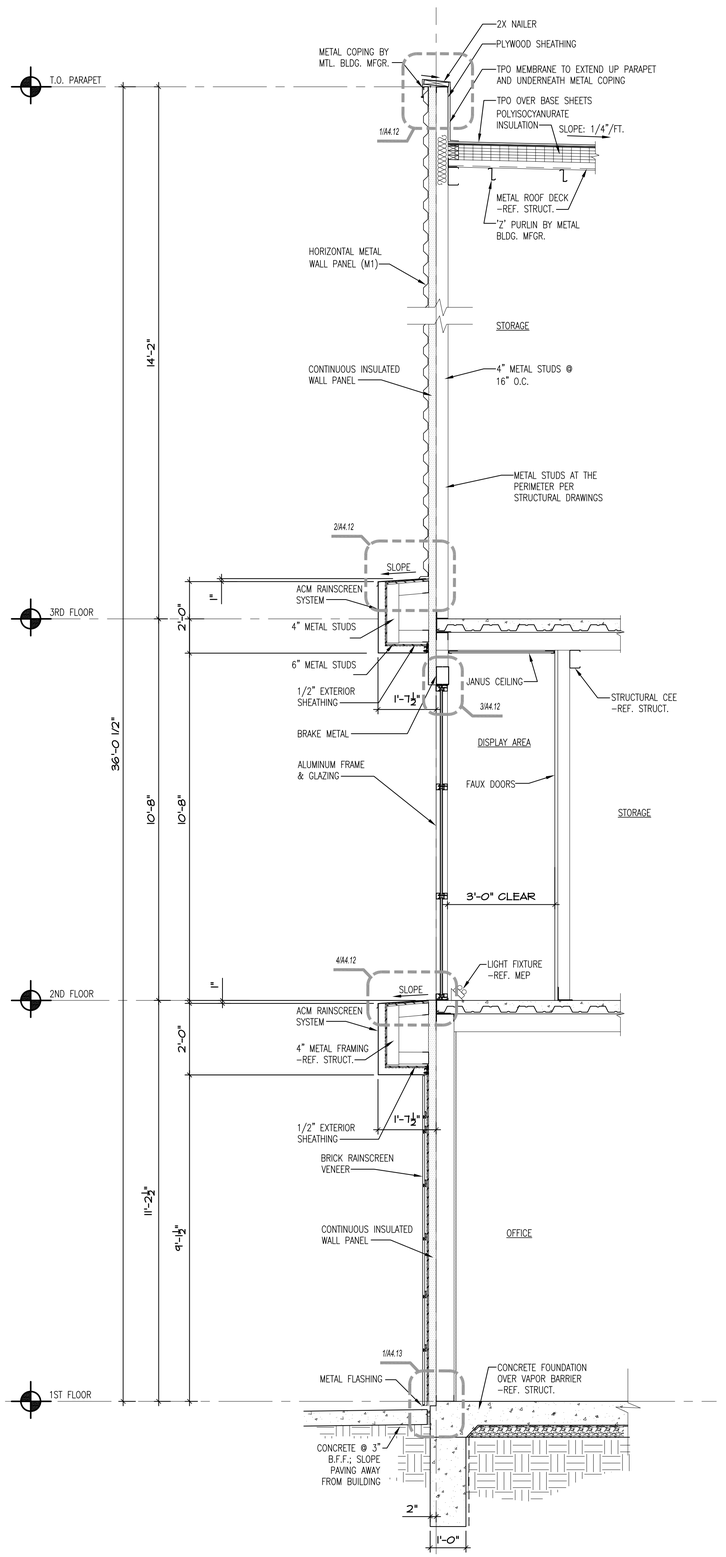
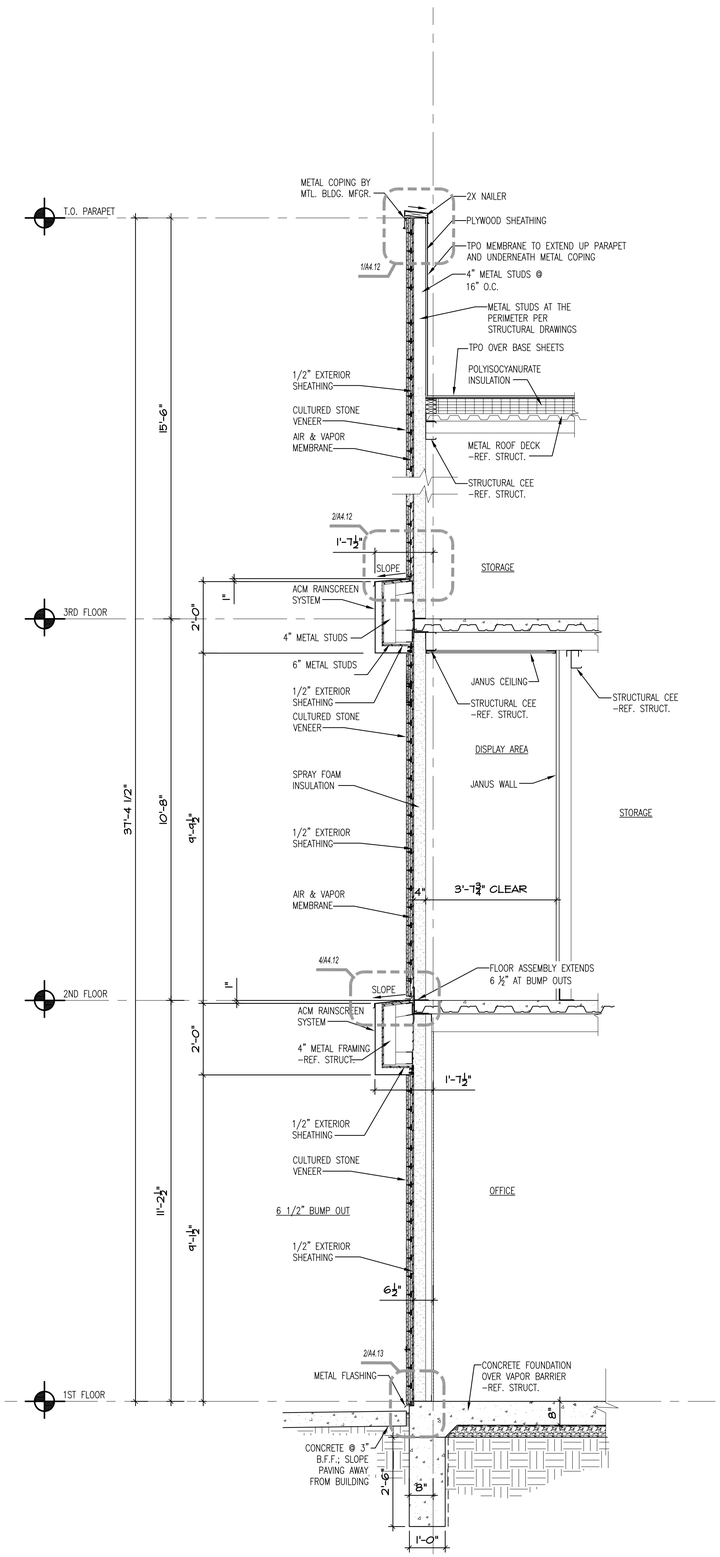
A4.1



1 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
1/2" = 1'-0"

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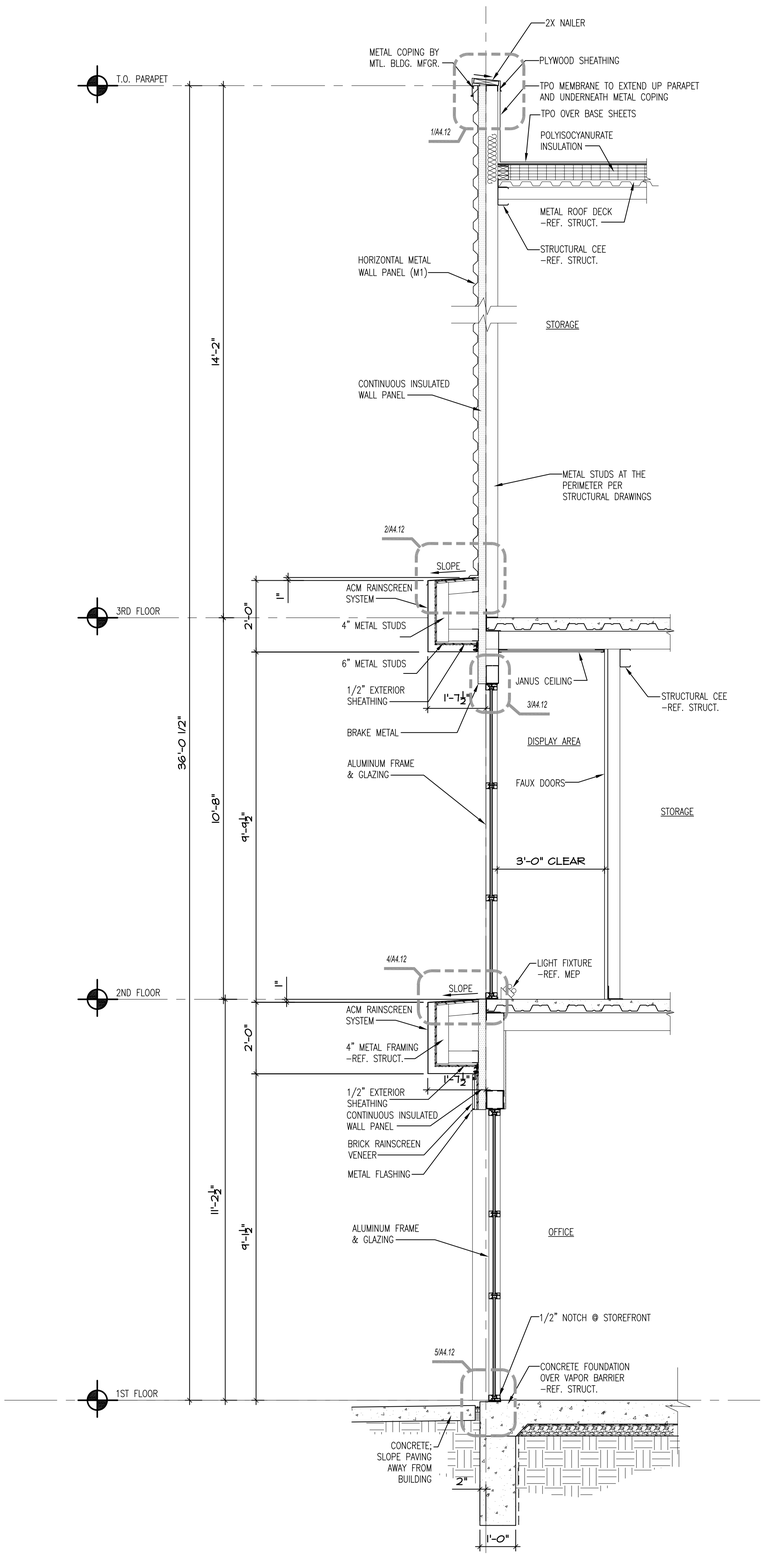

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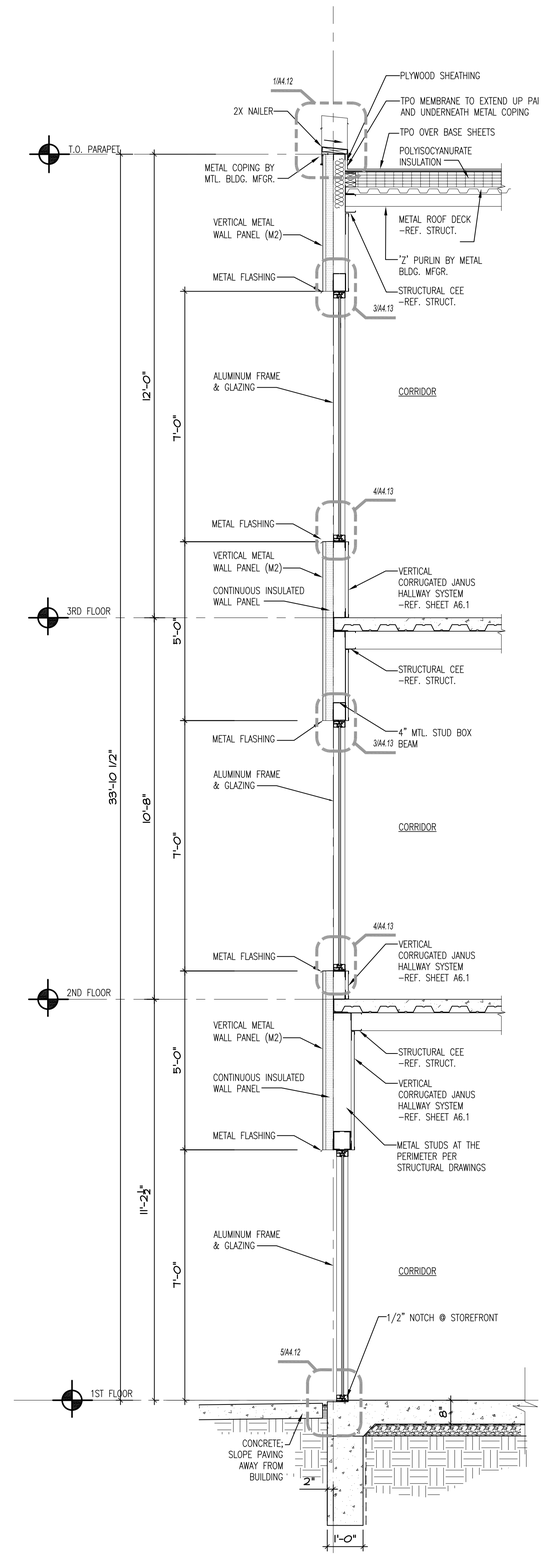
1/2" = 1'-0"



2 WALL SECTION
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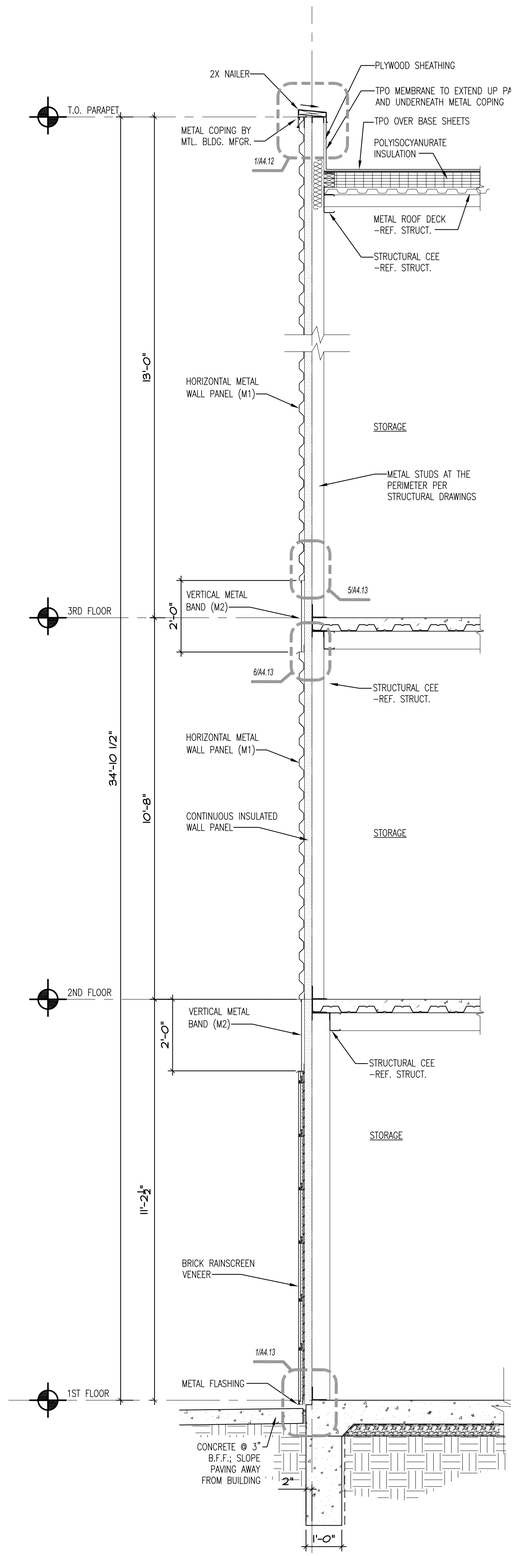

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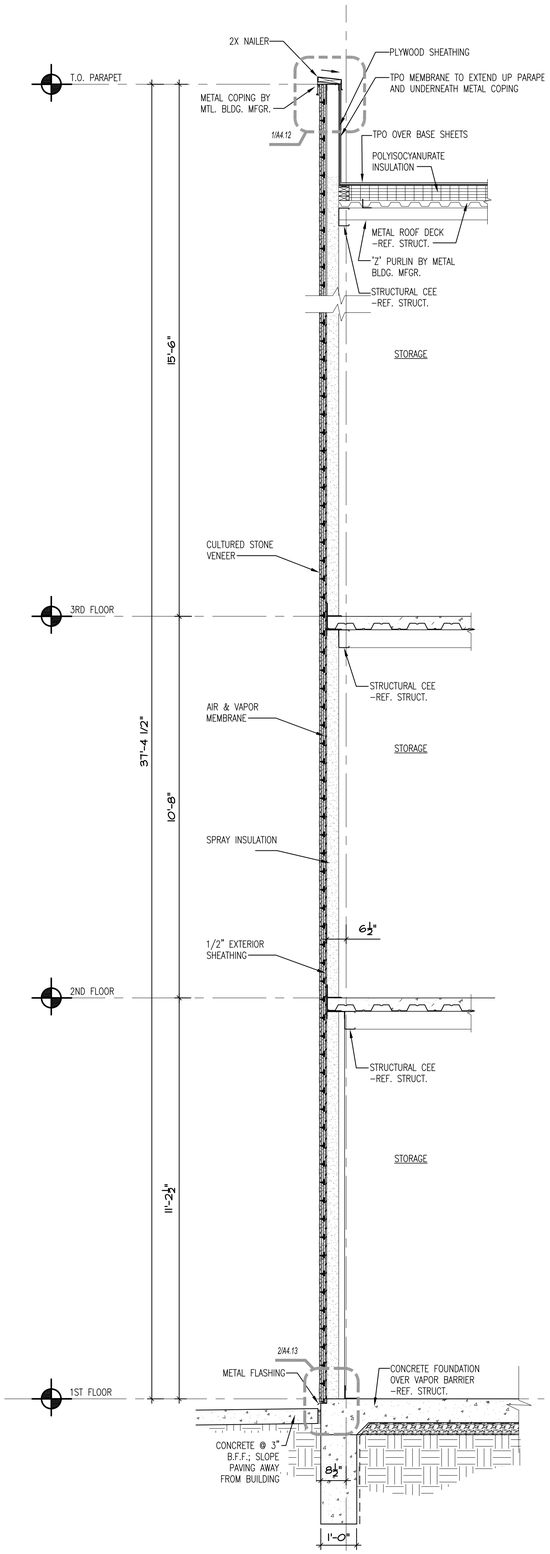
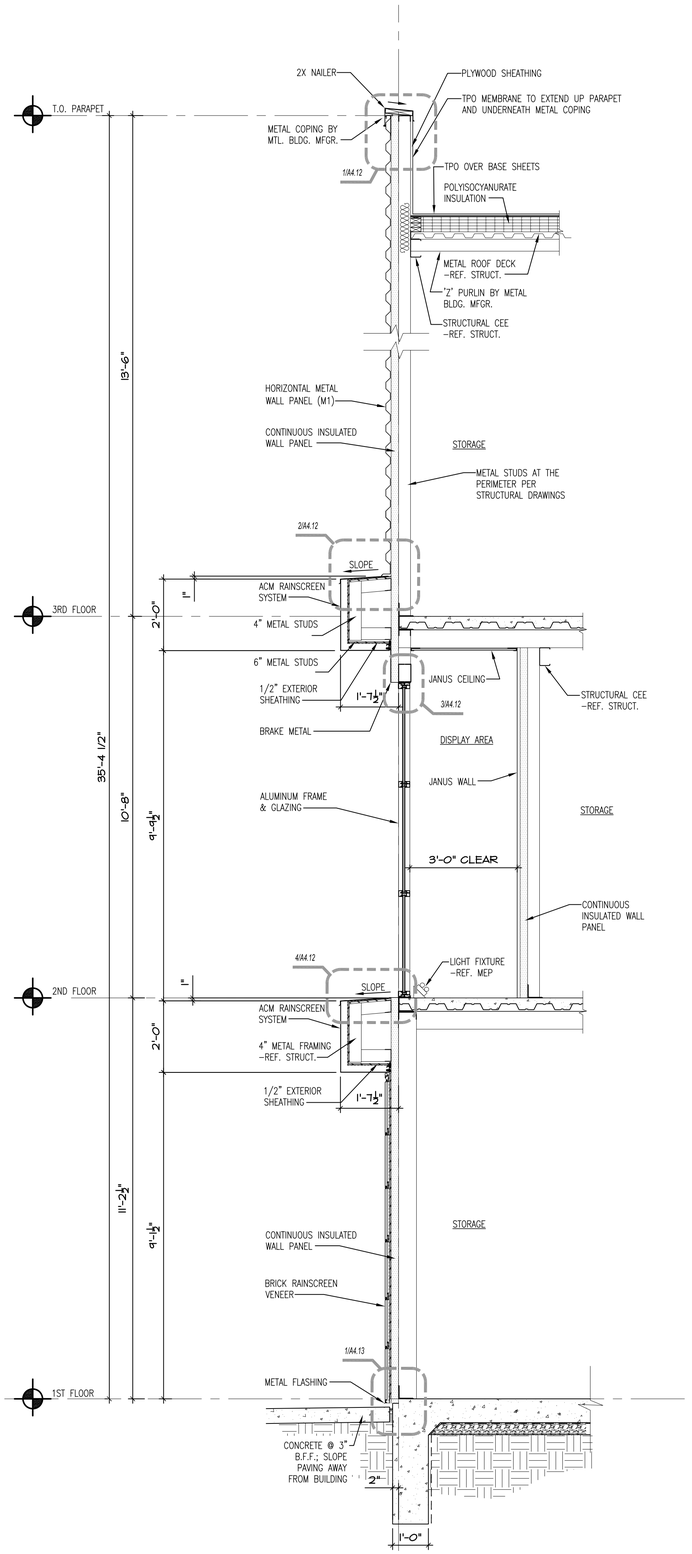
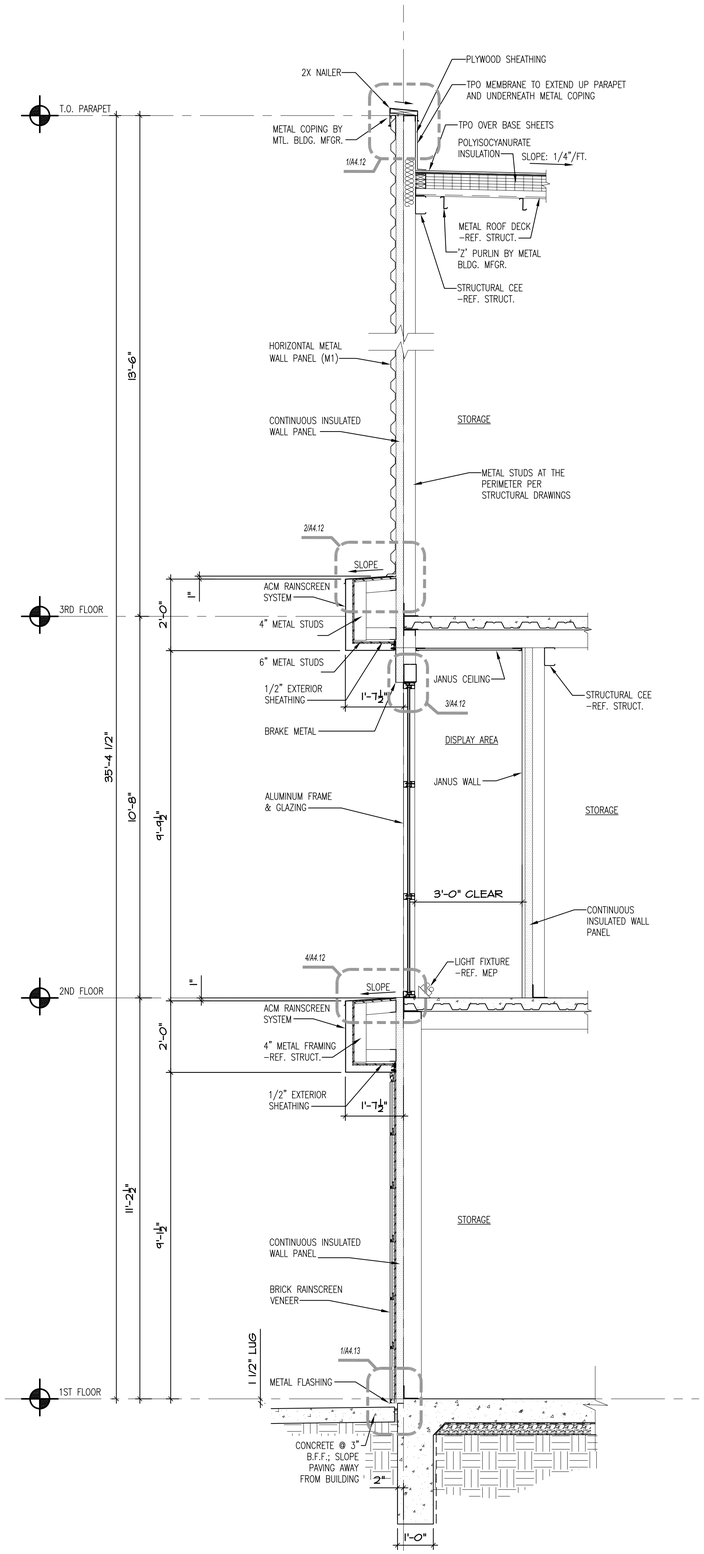
A4.3



1 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
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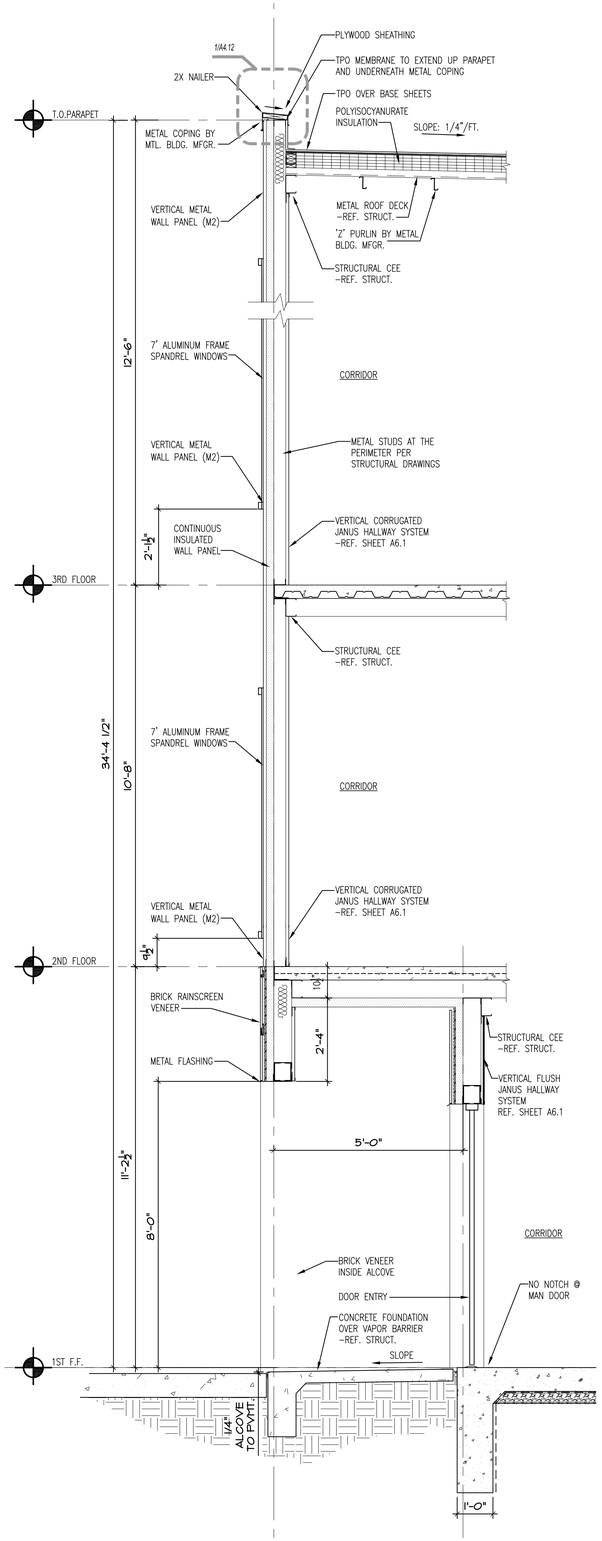
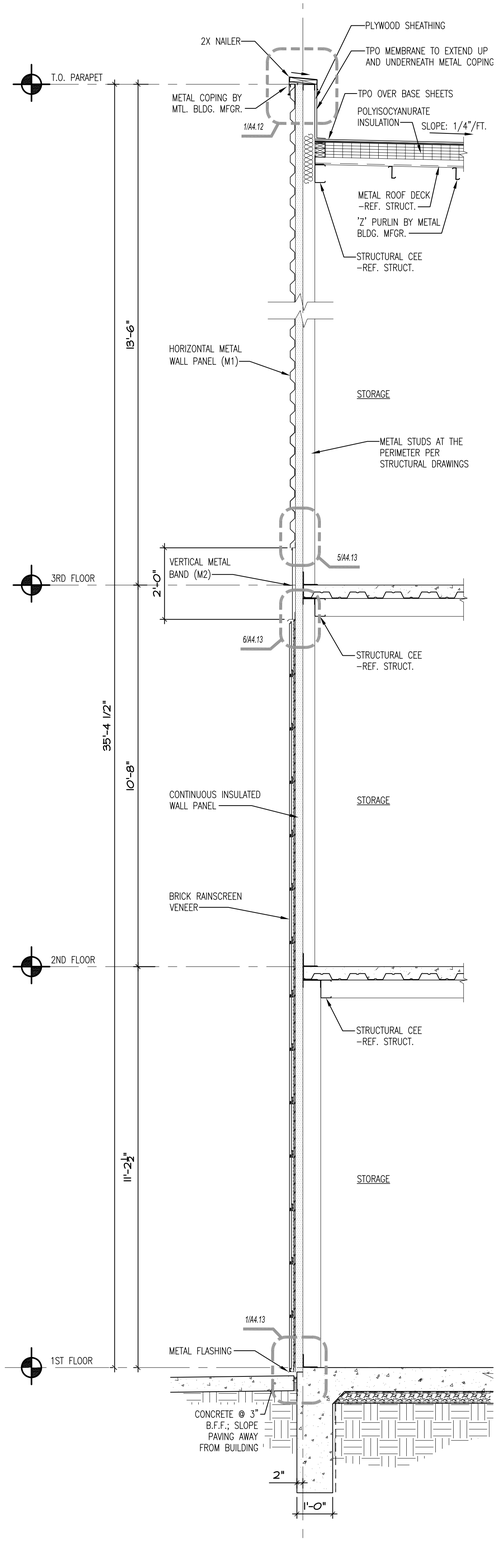
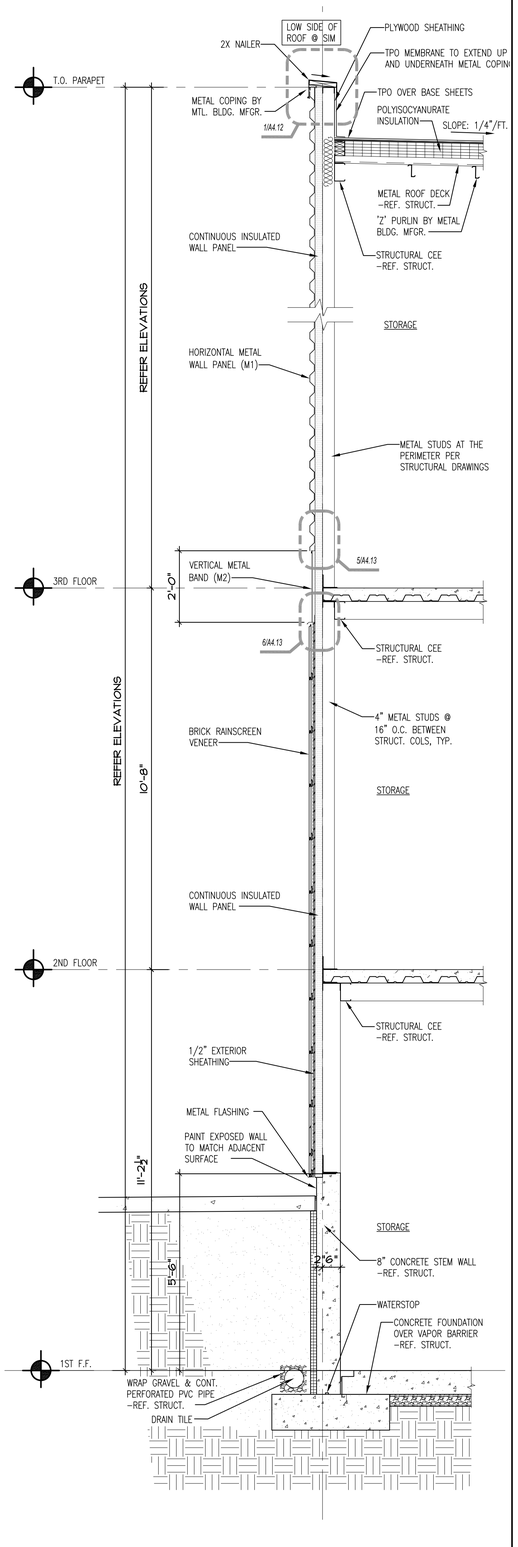
A4.4



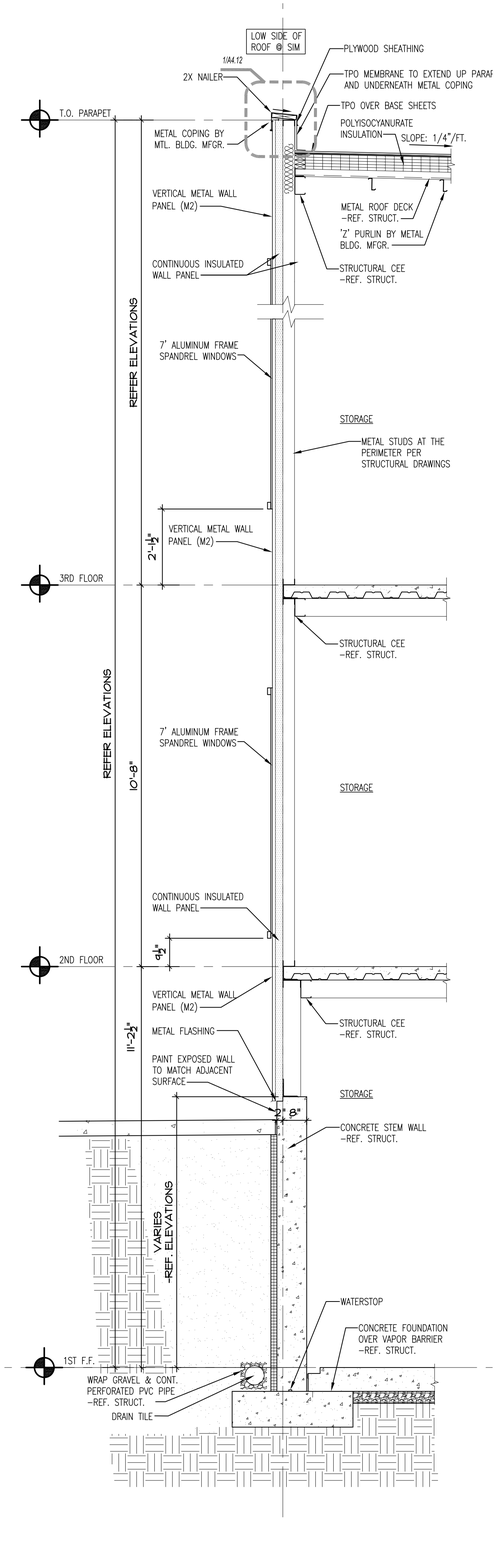
1 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
1/2" = 1'-0"



4 WALL SECTION
1/2" = 1'-0"

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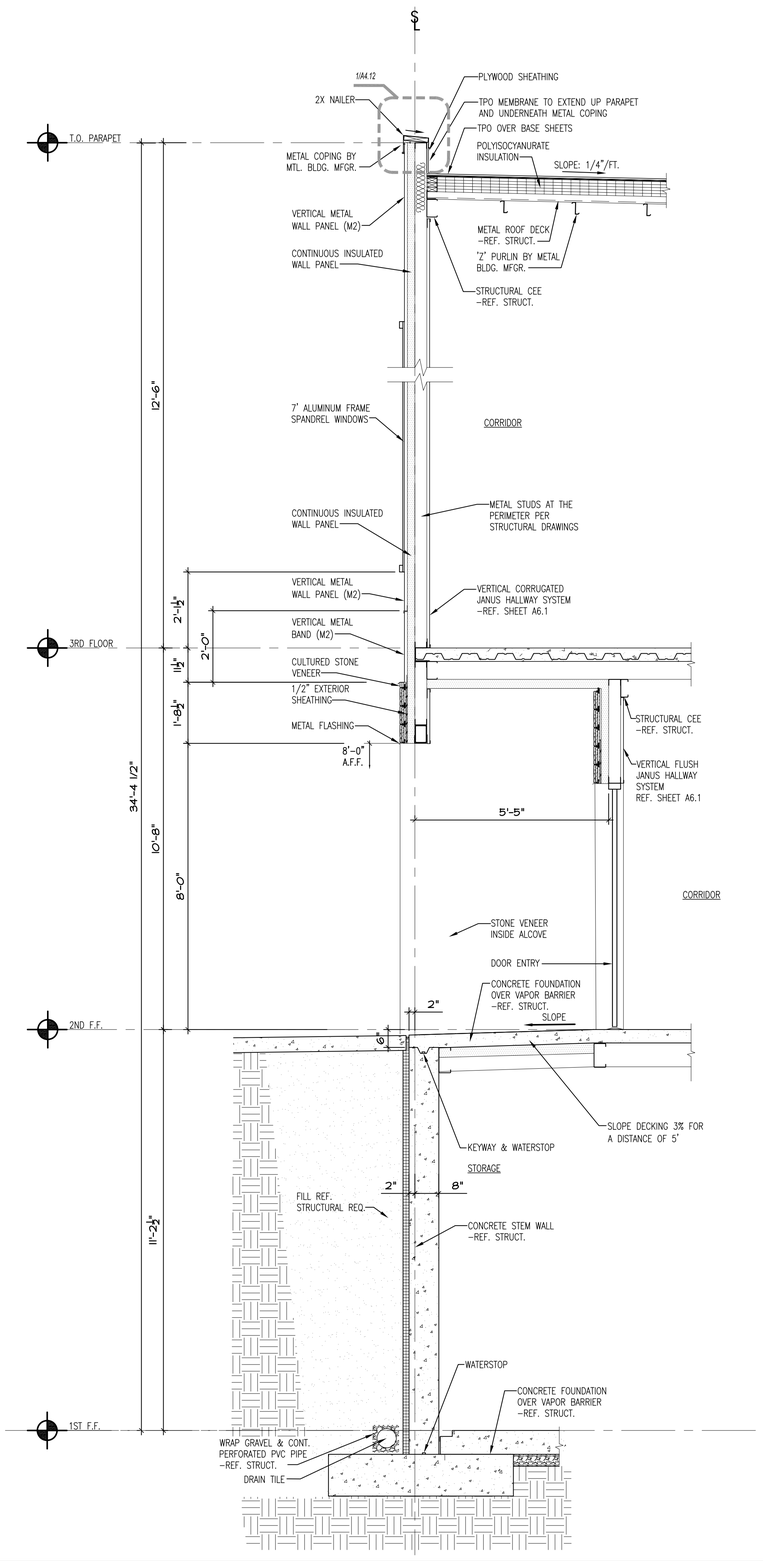

1 WALL SECTION
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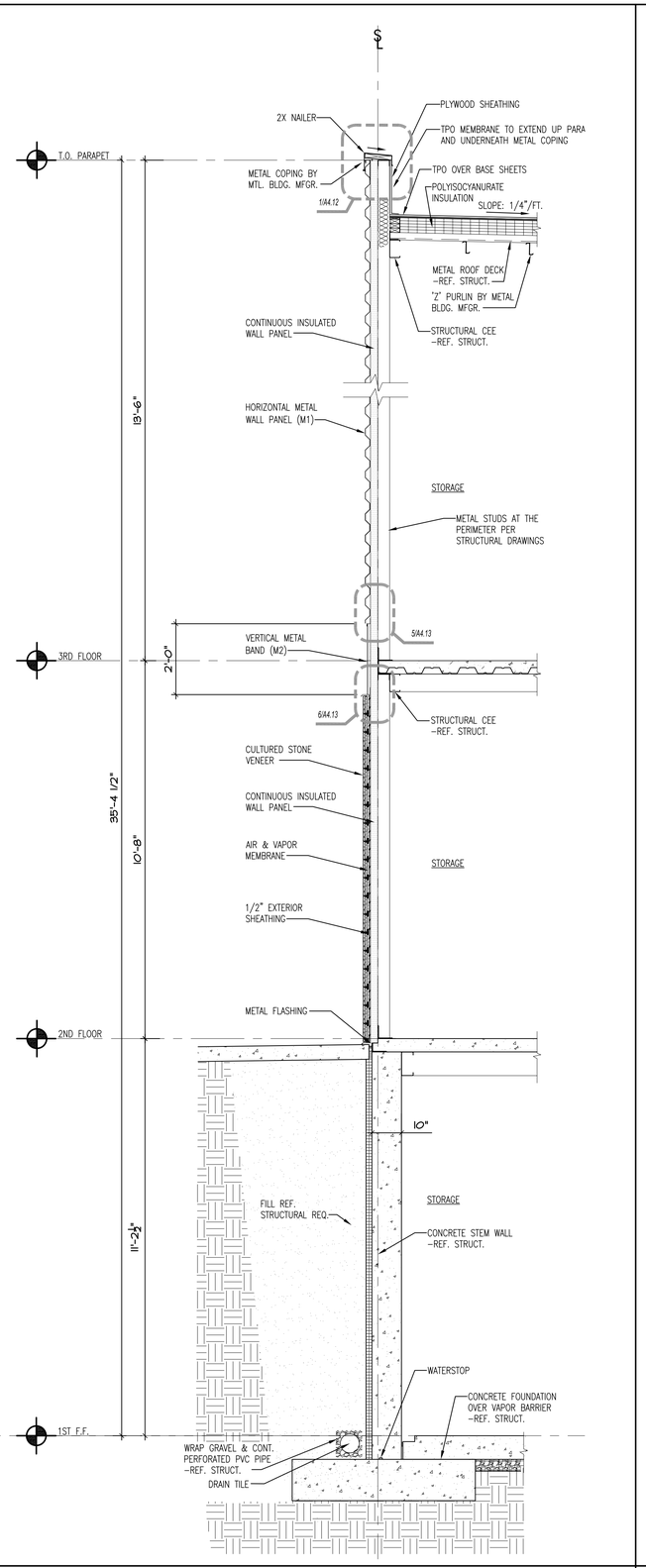
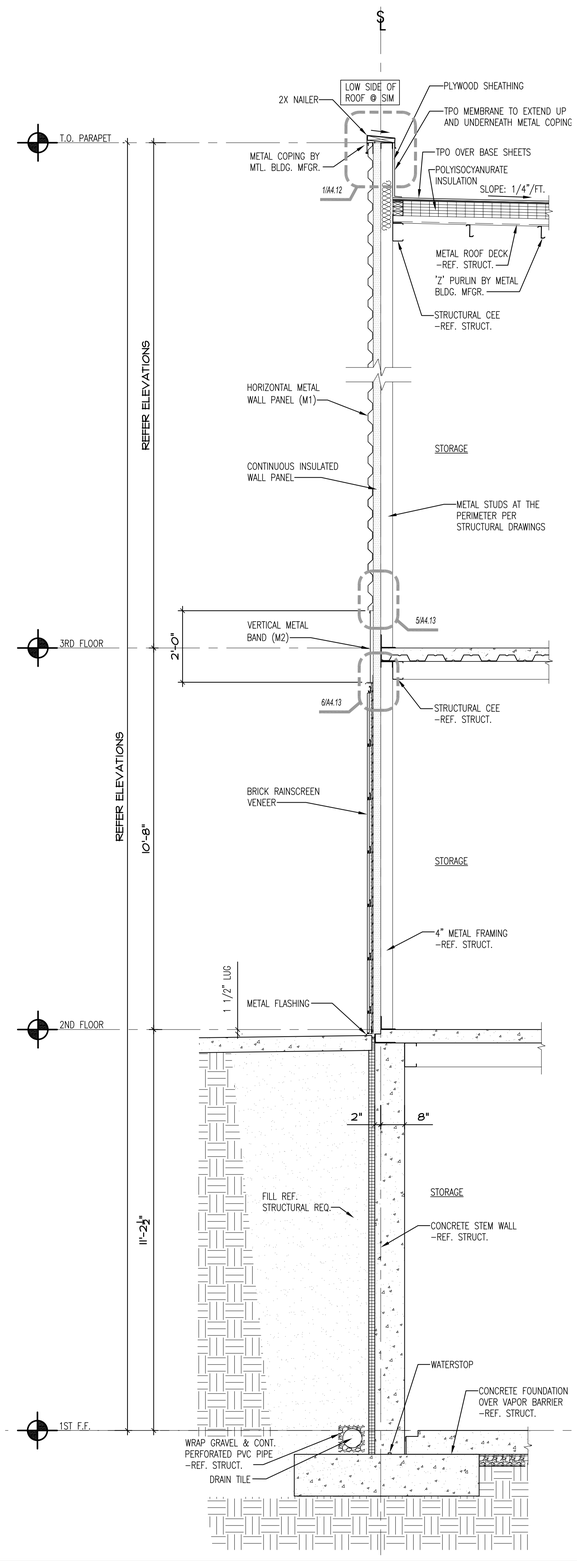


2 WALL SECTION
1/2" = 1'-0"



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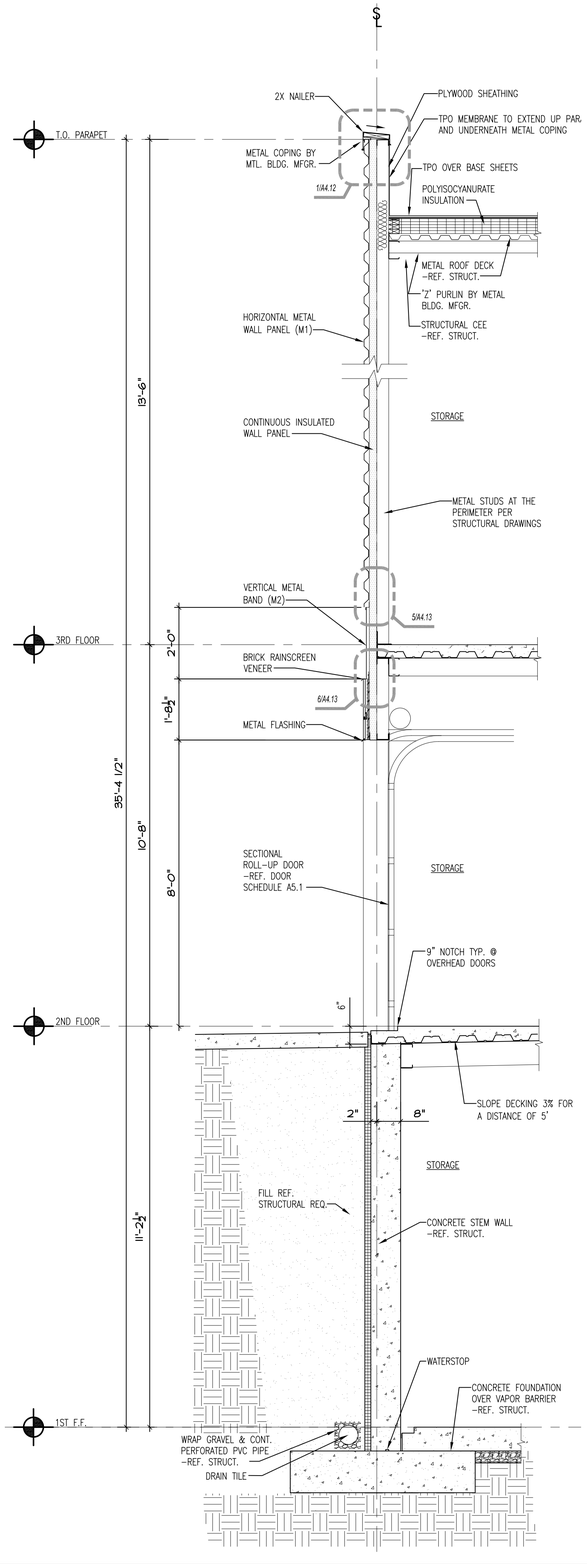
A4.6



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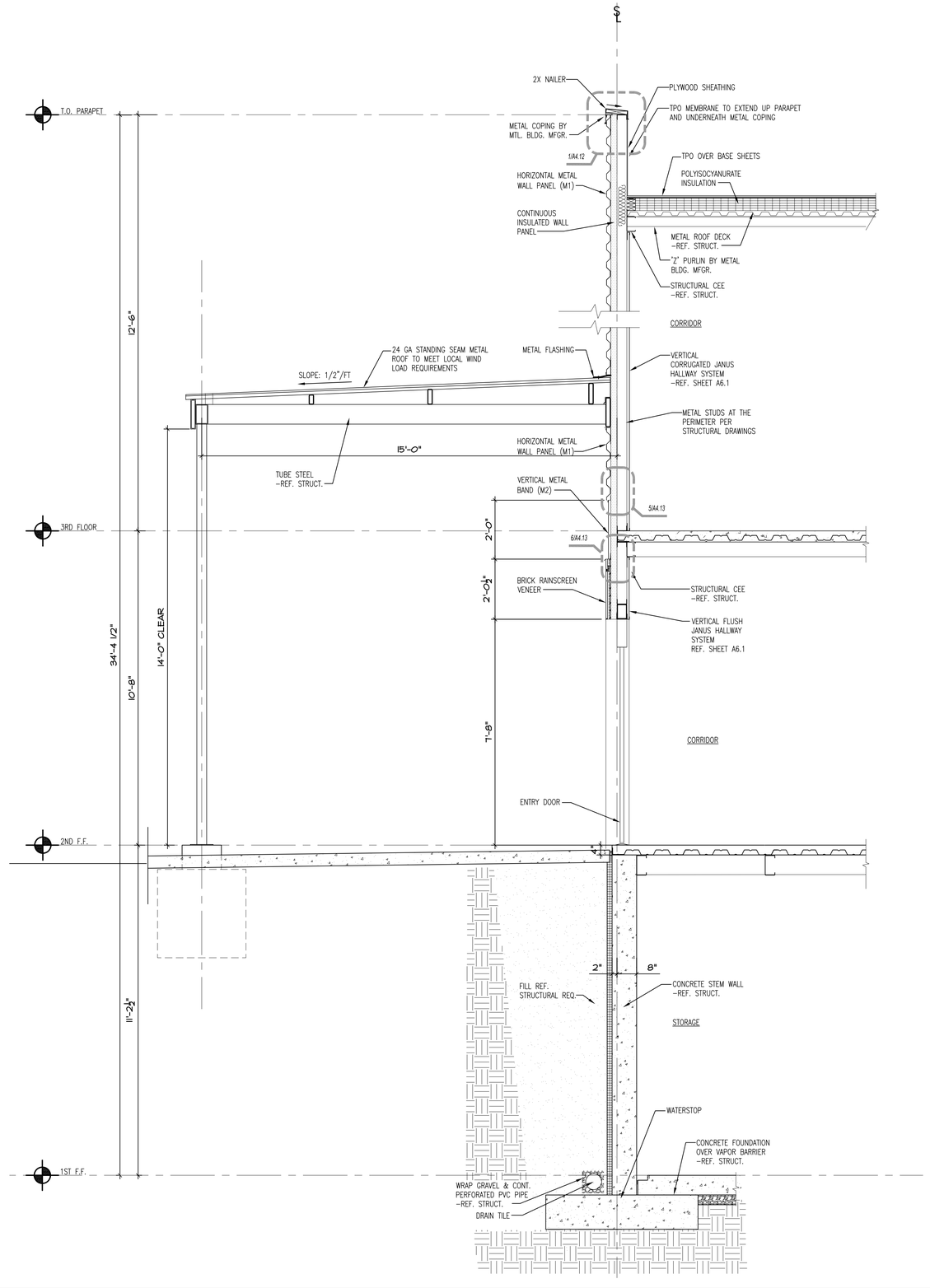

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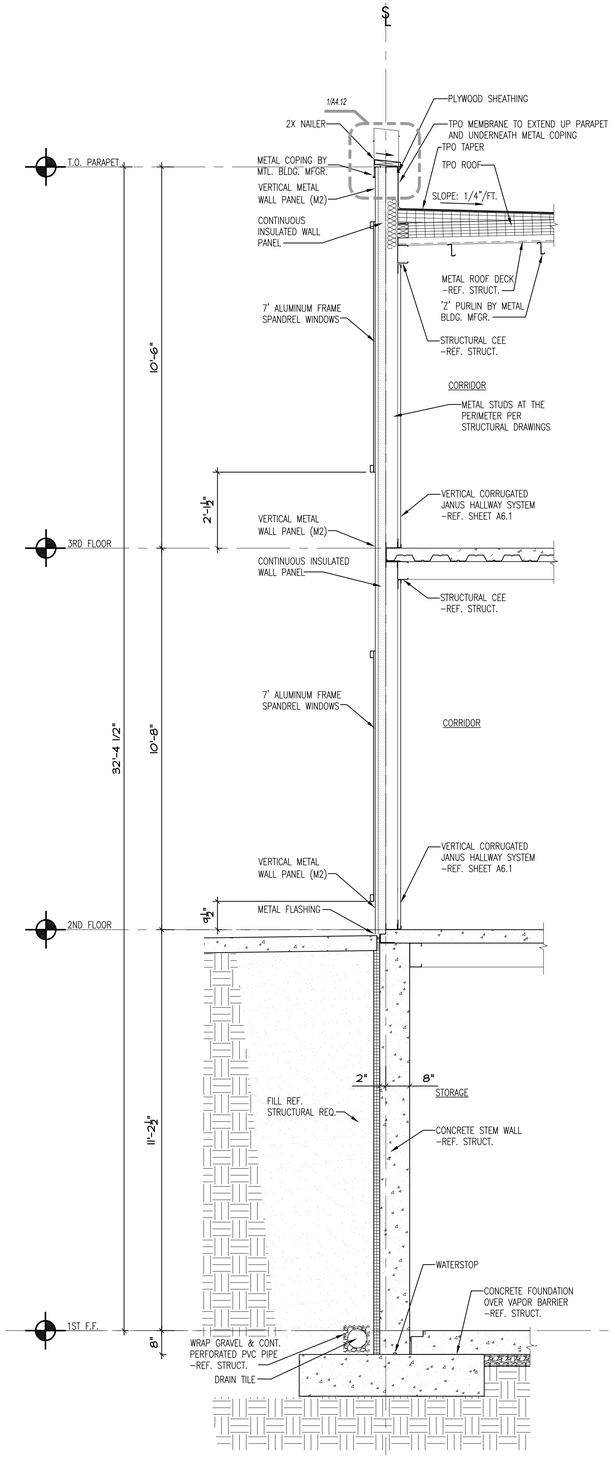

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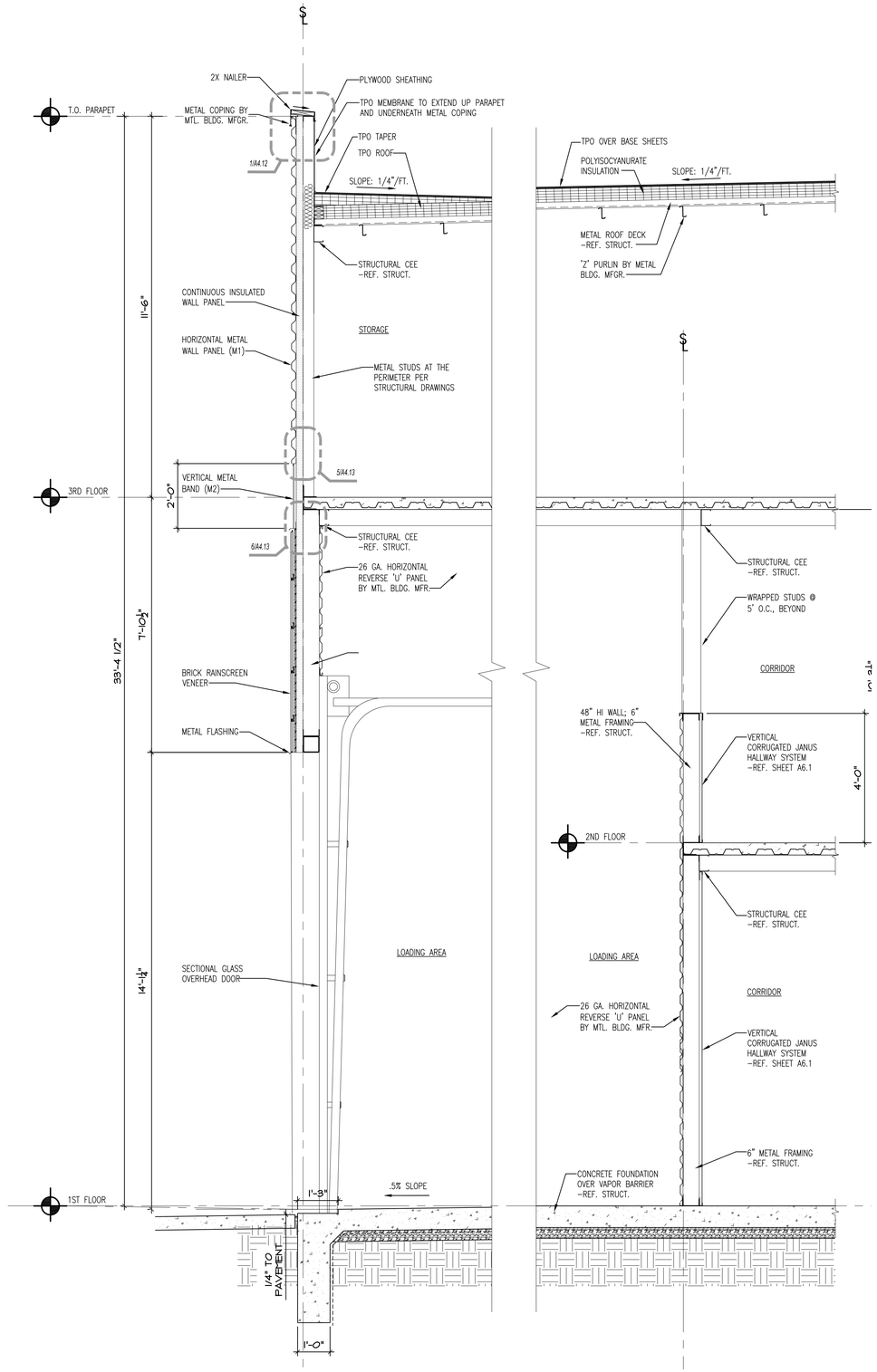

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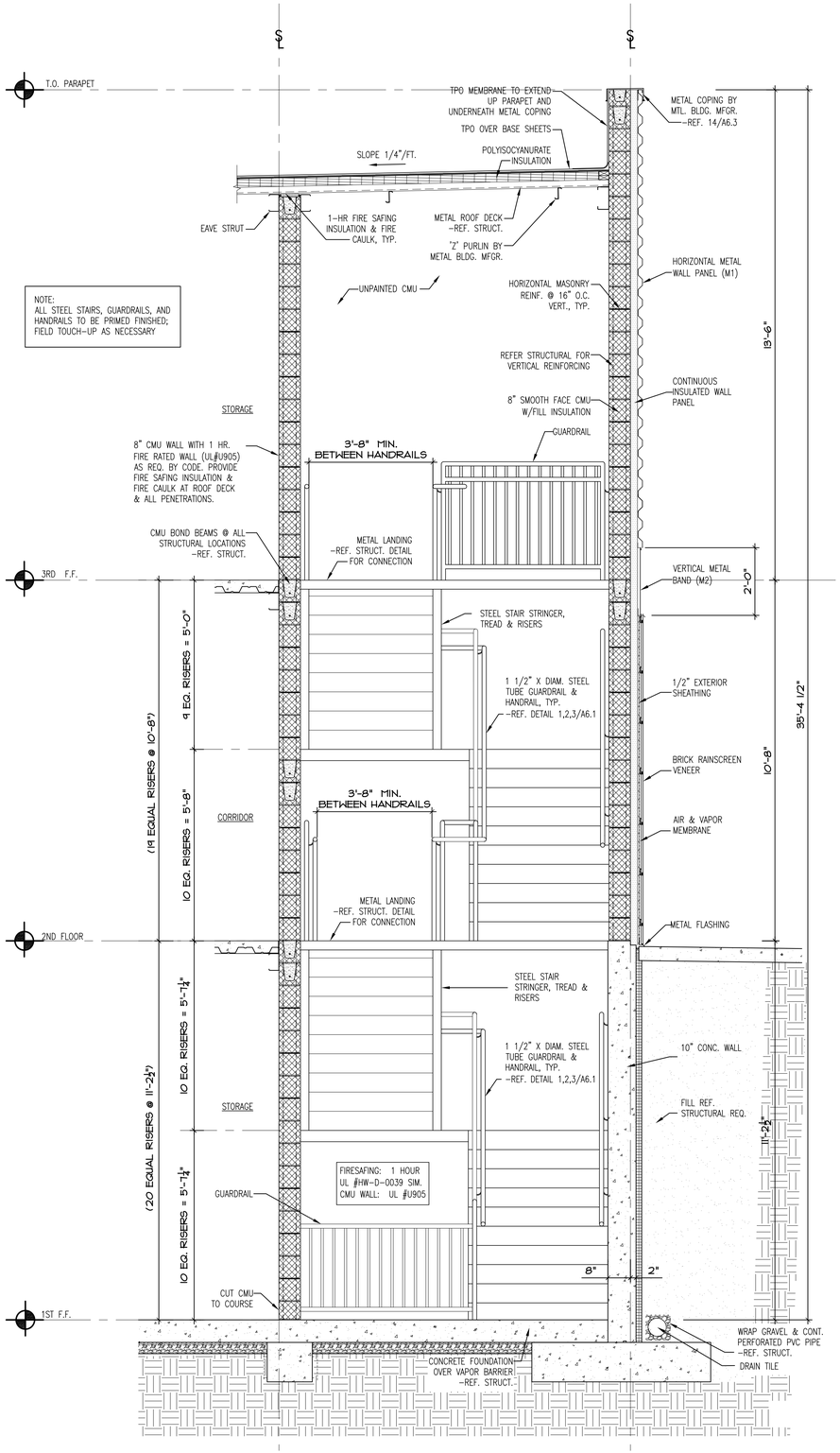
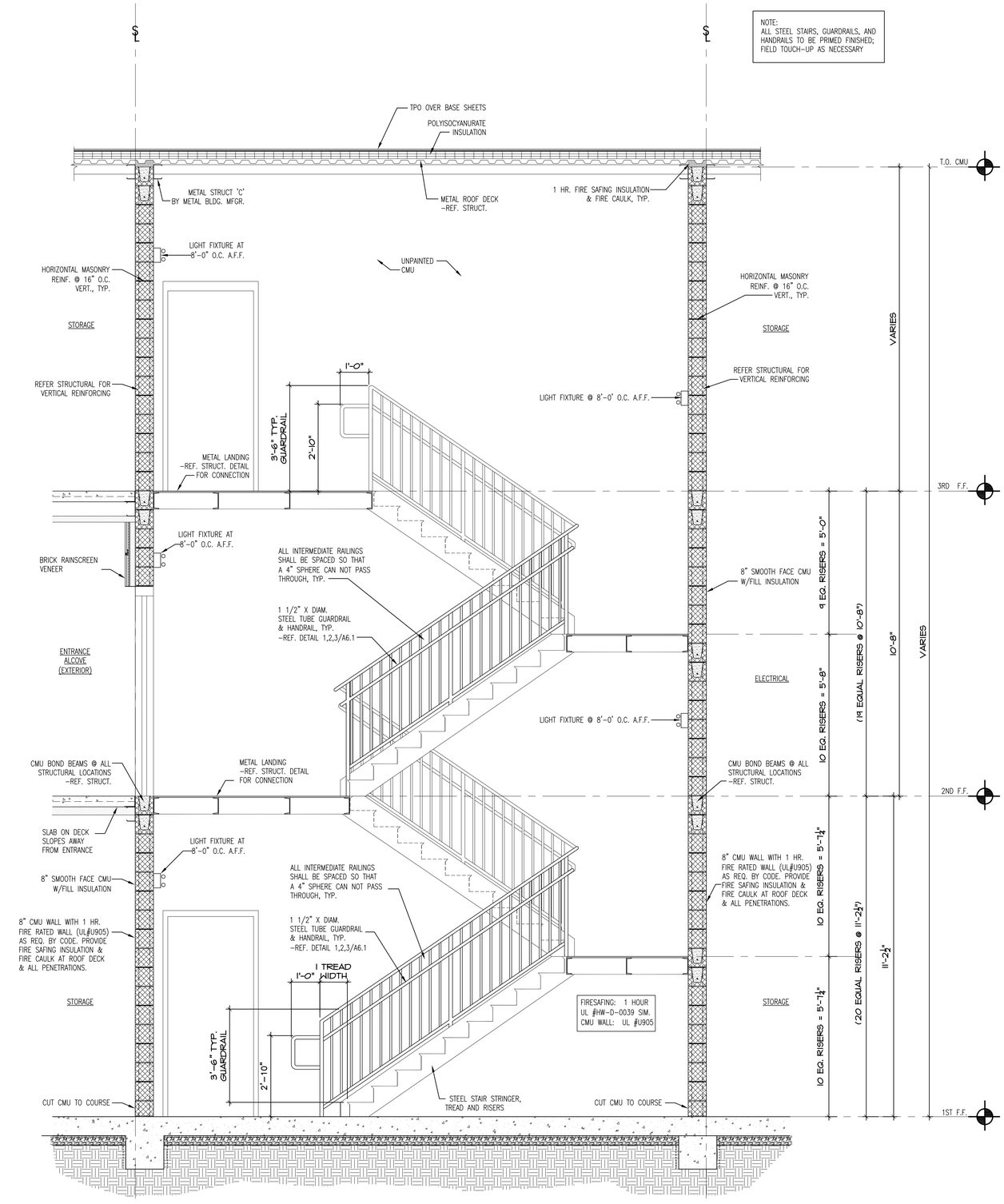
WALL SECTIONS

Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03

A4.8



1 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"

STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE

4101 NE PORT DRIVE
LEE'S SUMMIT, MO

STATE OF MISSOURI
STANLEY C. HERNLY
A-5721
REGISTERED ARCHITECT

Hernly ASSOCIATES
1100 Rhode Island
Lawrence, Kansas
66044
785 - 749 - 5806
FAX 785 - 749 - 1515

WALL SECTIONS

Date: 2022/11/08
Drawn by : SJB
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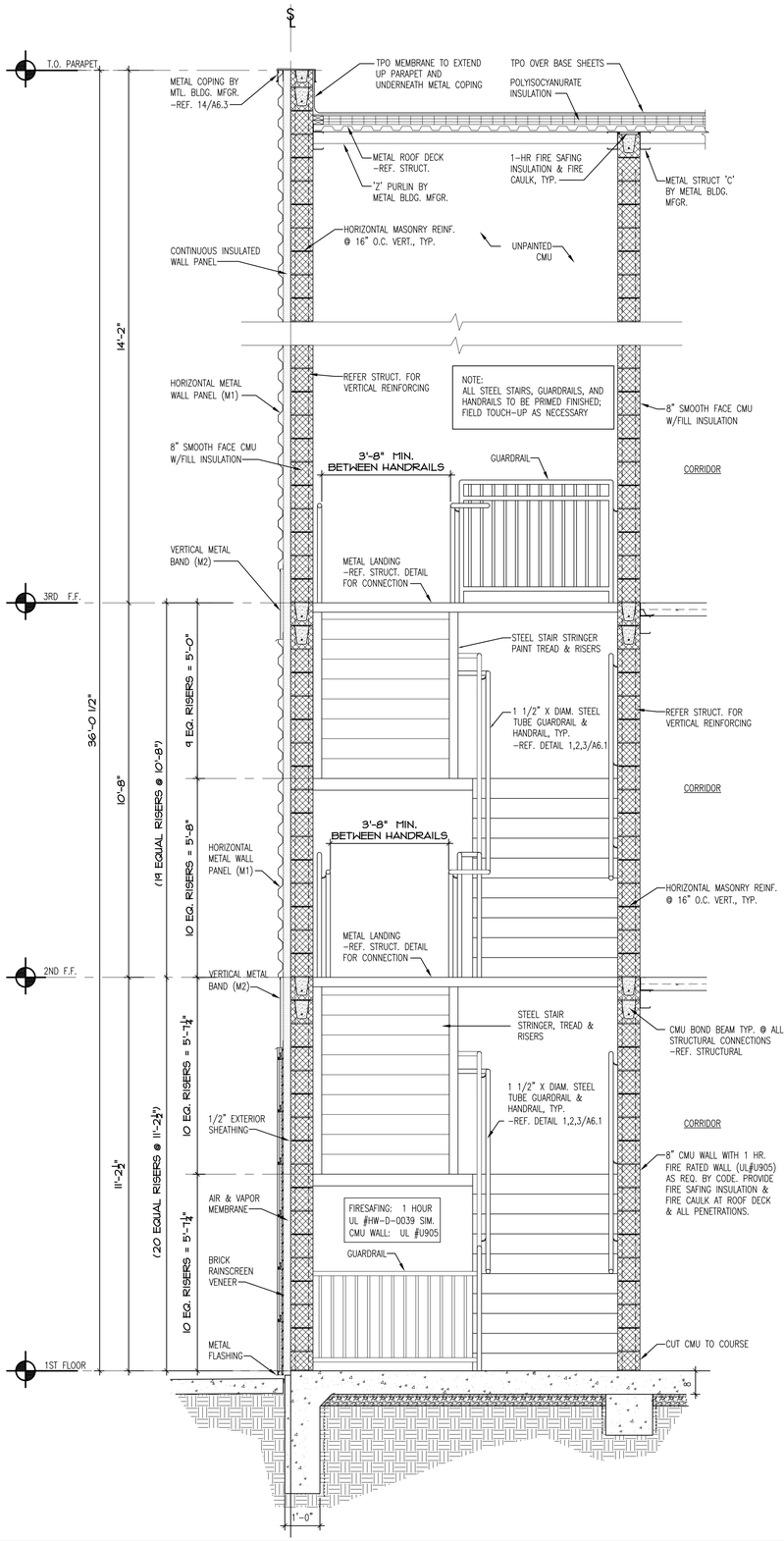
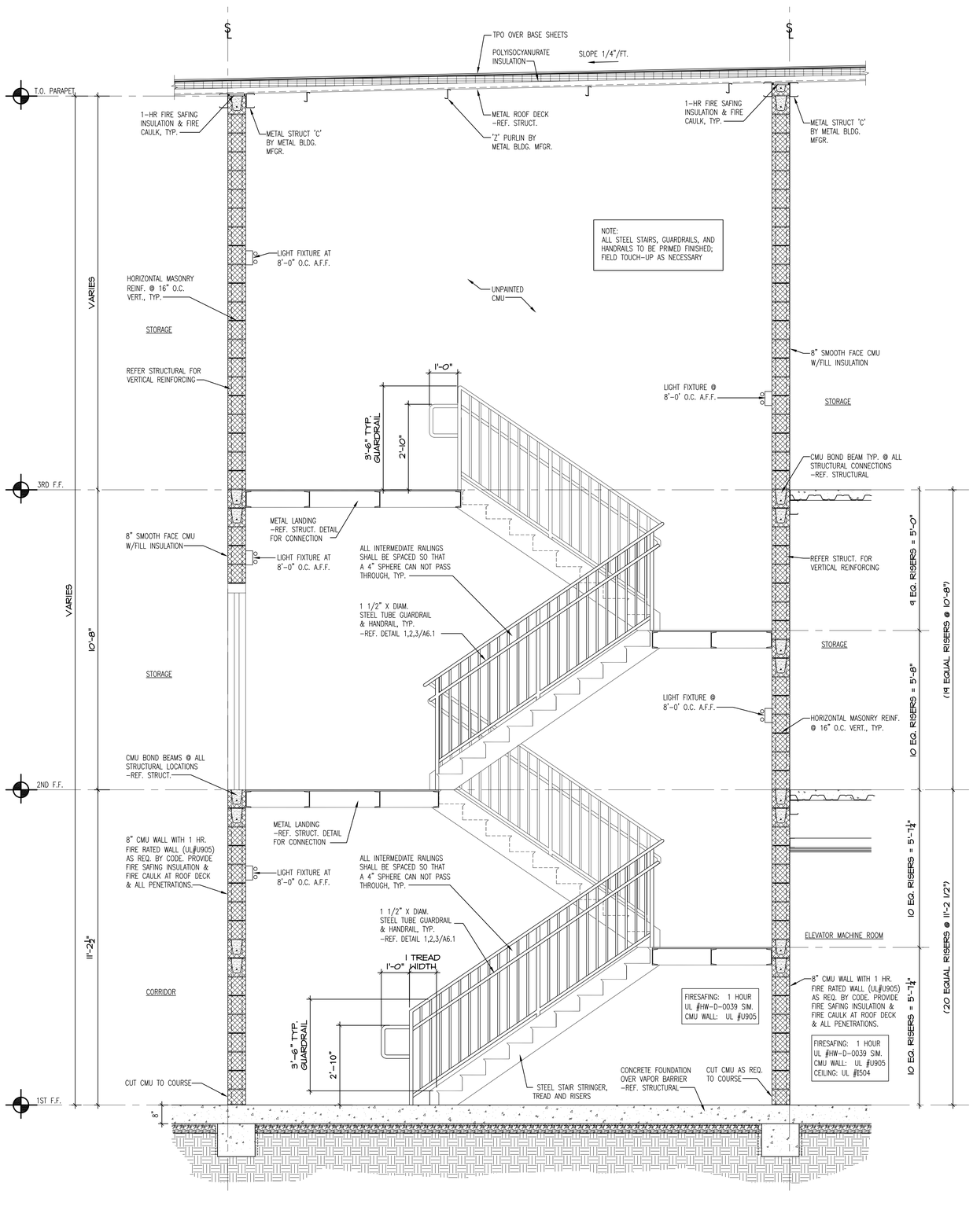
Revisions : 2023/01/03

A4.9



1 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"

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WALL SECTIONS

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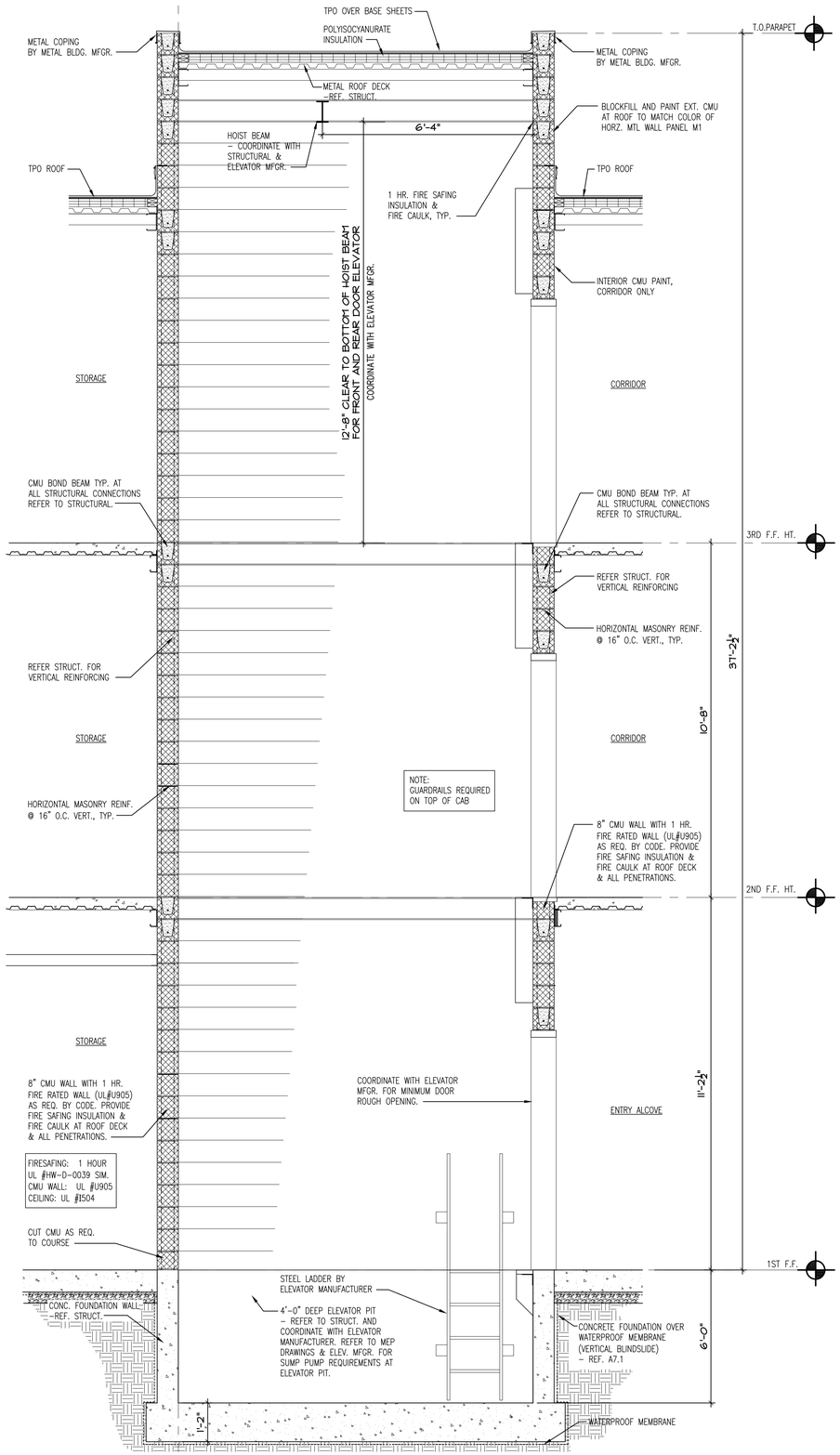
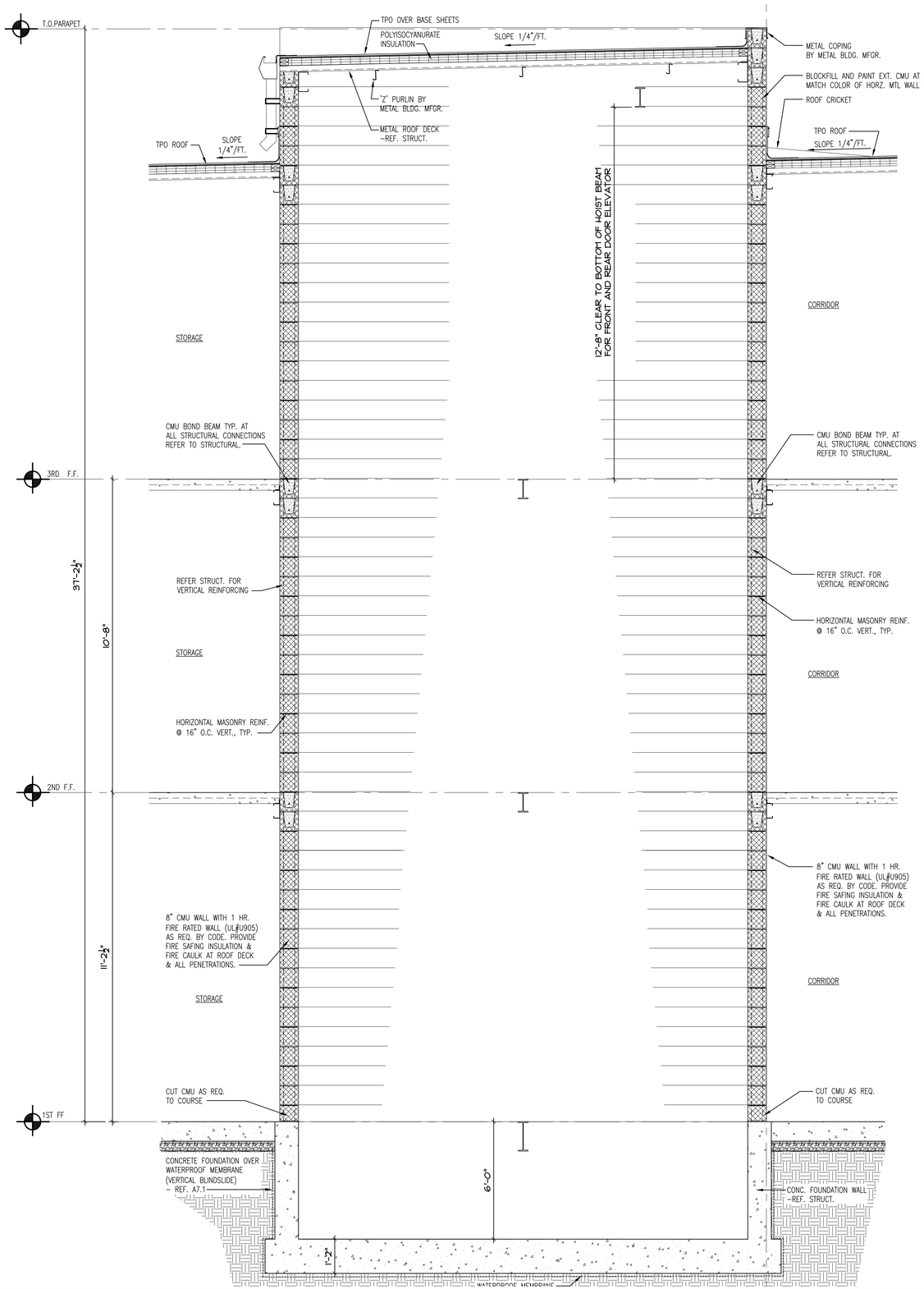
A4.10



1 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"

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WALL SECTIONS

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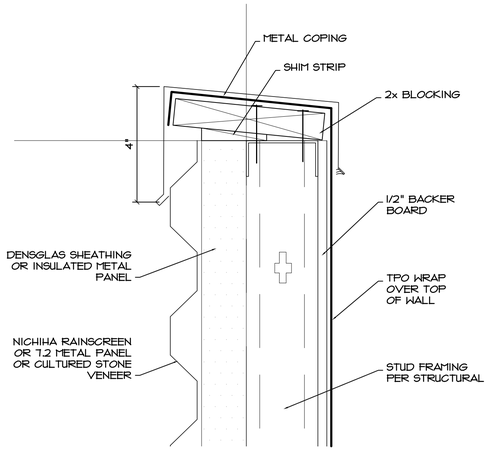
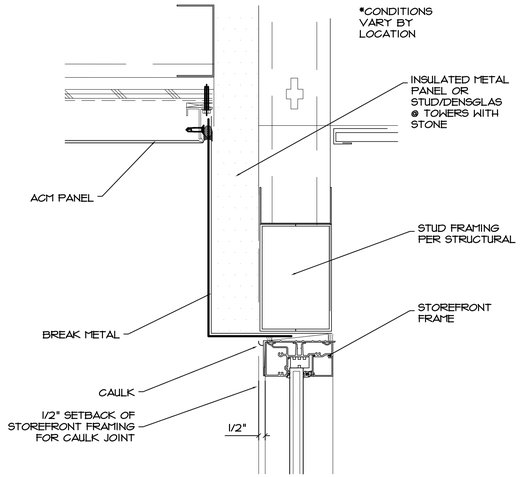
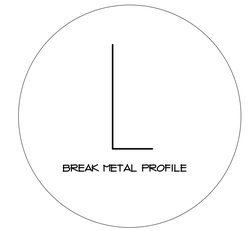
A4.11

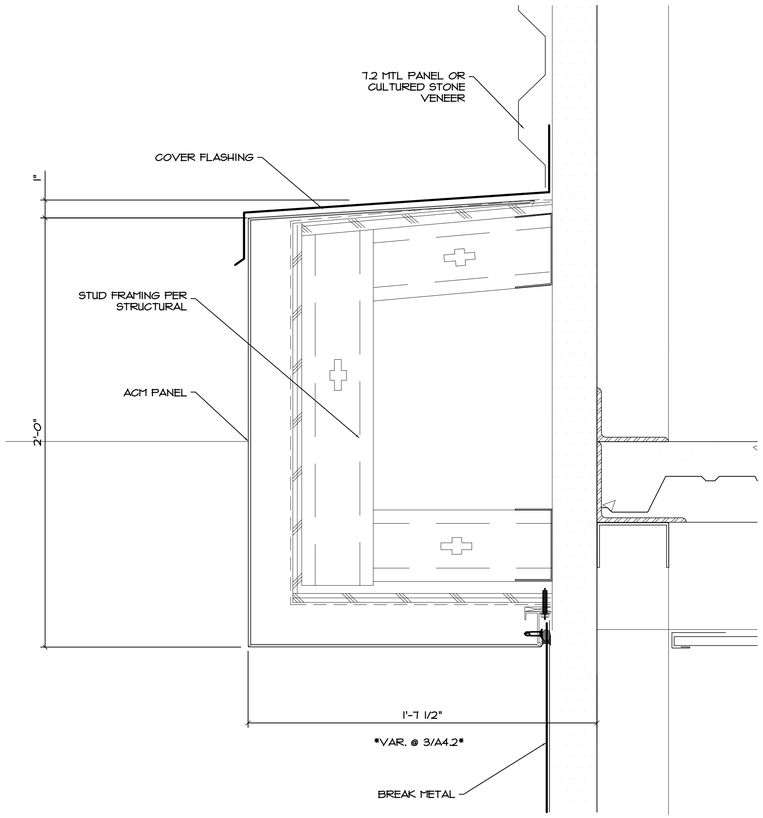


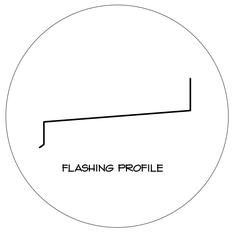
1 SECTION DETAIL
1-1/2" = 1'-0"





3 SECTION DETAIL
1-1/2" = 1'-0"





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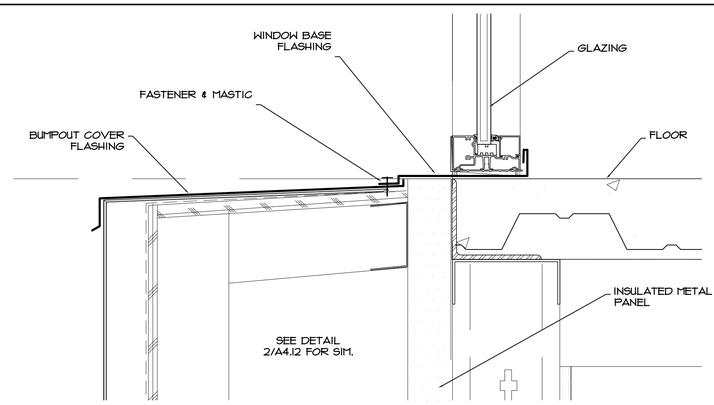
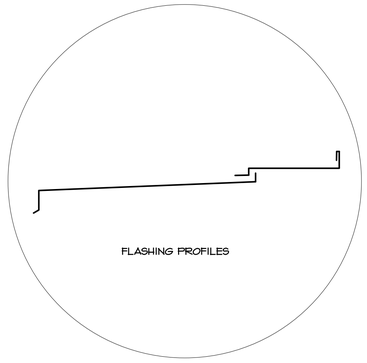
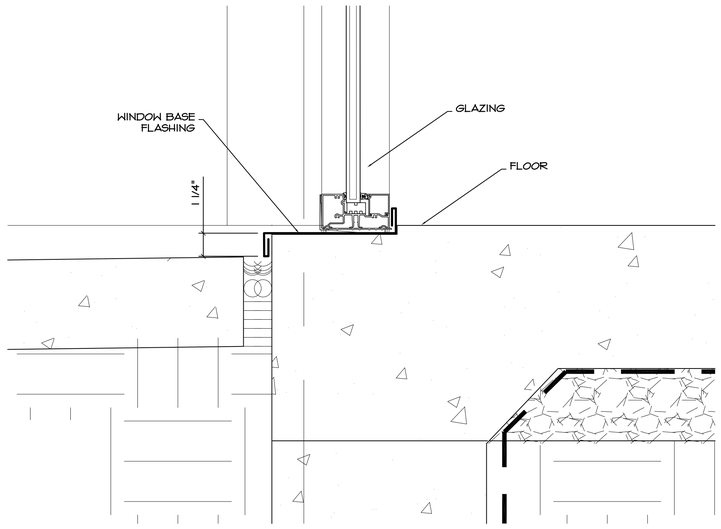
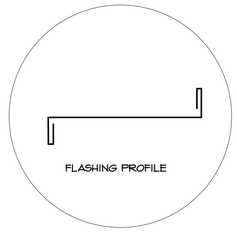
1-1/2" = 1'-0"





4 SECTION DETAIL
1-1/2" = 1'-0"





5 SECTION DETAIL
1-1/2" = 1'-0"

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SECTION DETAILS

Date: 2022/11/08
Drawn by : SJB
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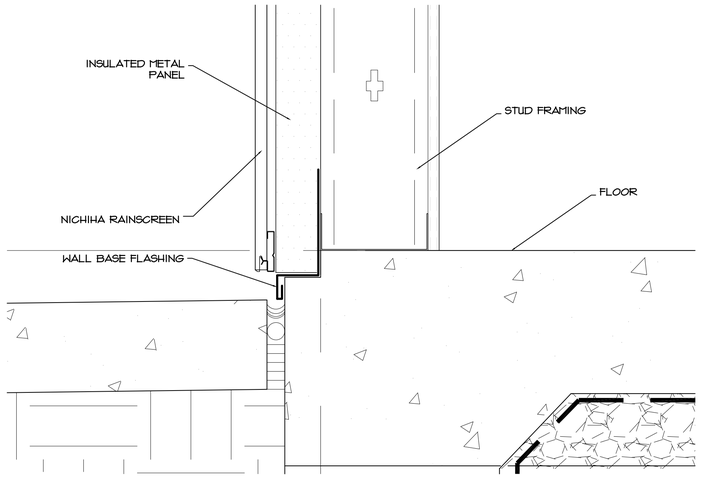
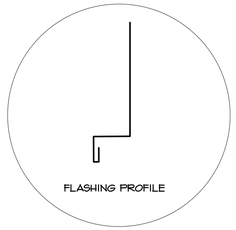
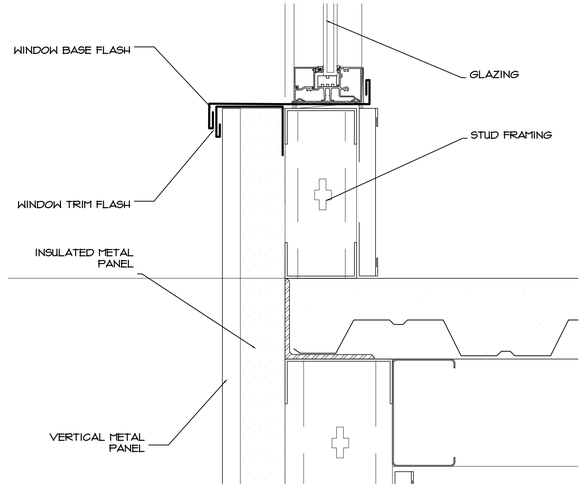
Revisions : 2023/01/03

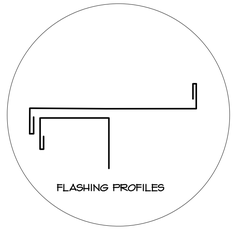
A4.12



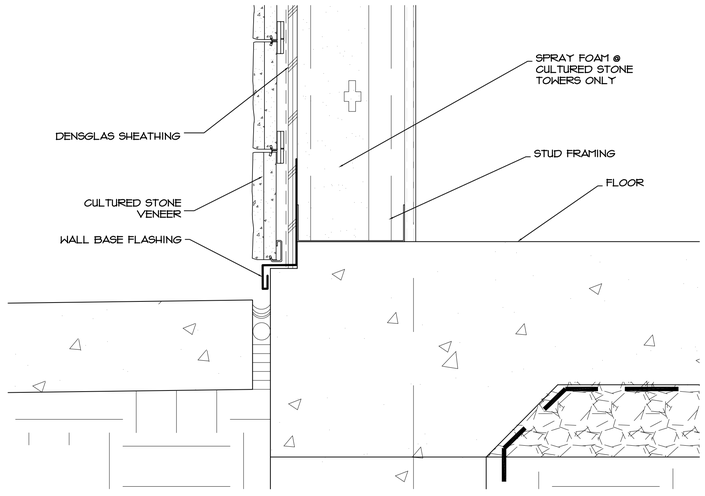


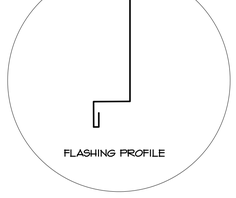
1 SECTION DETAIL
1-1/2" = 1'-0"



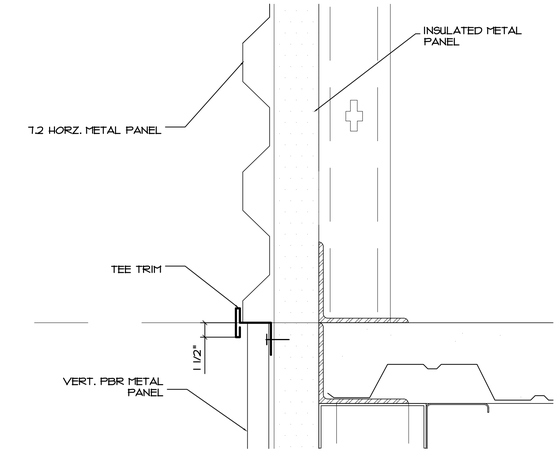


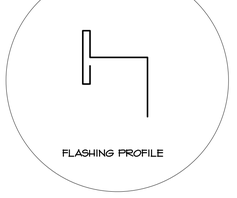
4 SECTION DETAIL
1-1/2" = 1'-0"



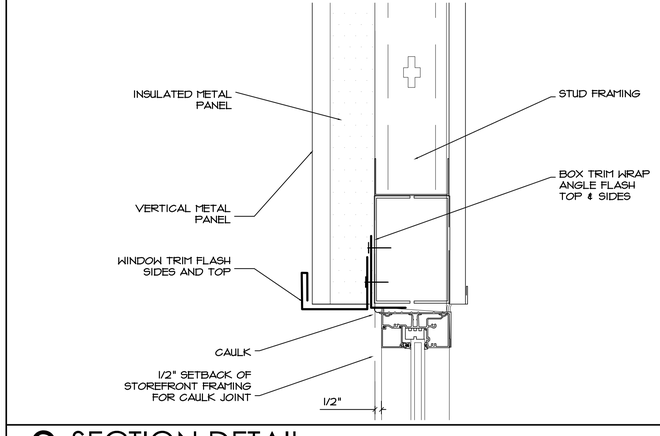


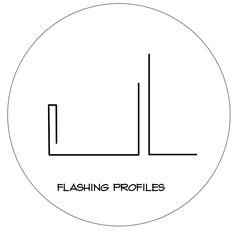
2 SECTION DETAIL
1-1/2" = 1'-0"



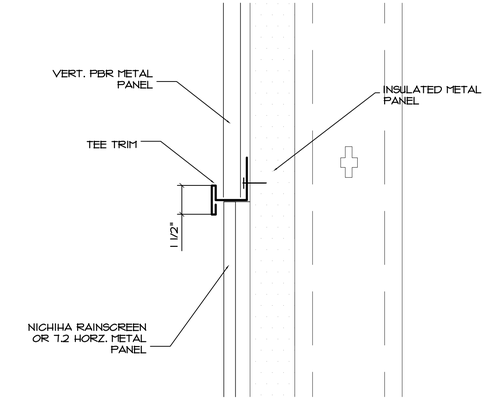


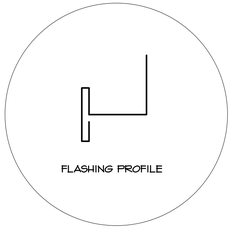
5 SECTION DETAIL
1-1/2" = 1'-0"





3 SECTION DETAIL
1-1/2" = 1'-0"





6 SECTION DETAIL
1-1/2" = 1'-0"

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SECTION DETAILS

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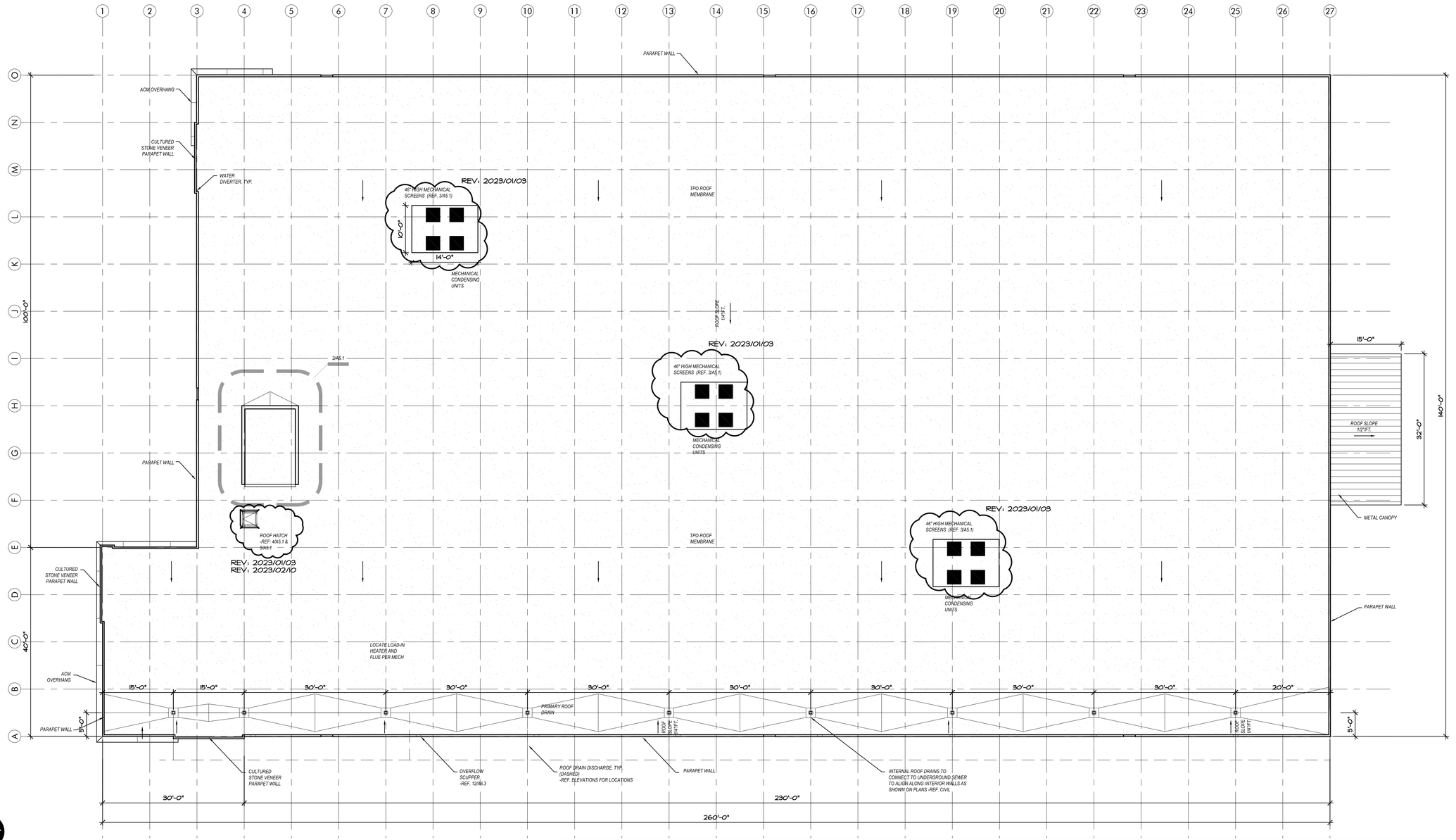
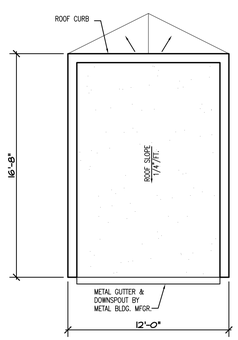
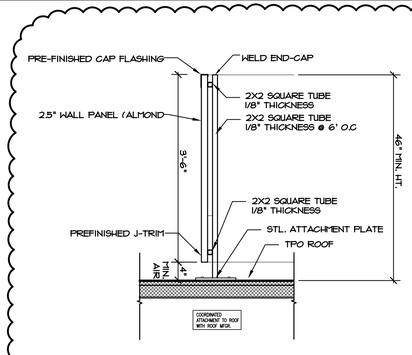
A4.13

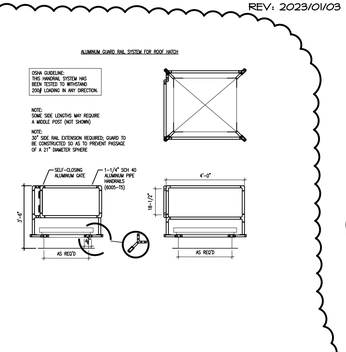


PLAN NORTH



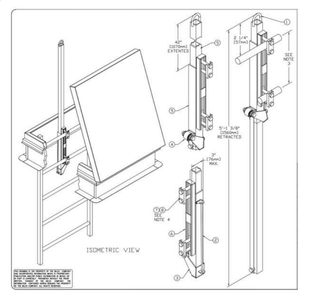


REV: 2023/01/03



REV: 2023/02/10

EQUIP ROOF HATCH LADDER WITH VERTICAL SAFETY POST SIMILAR TO BILCO LADDERUP SAFETY POST



1 ROOF PLAN 3/32" = 1'-0"

2 DETAIL PLAN - ELEV 3/16" = 1'-0"

3 RTU SCREEN DTL 3/4" = 1'-0"

4 ROOF HATCH DETAIL 1/4" = 1'-0"

5 ROOF HATCH DETAIL 1/4" = 1'-0"

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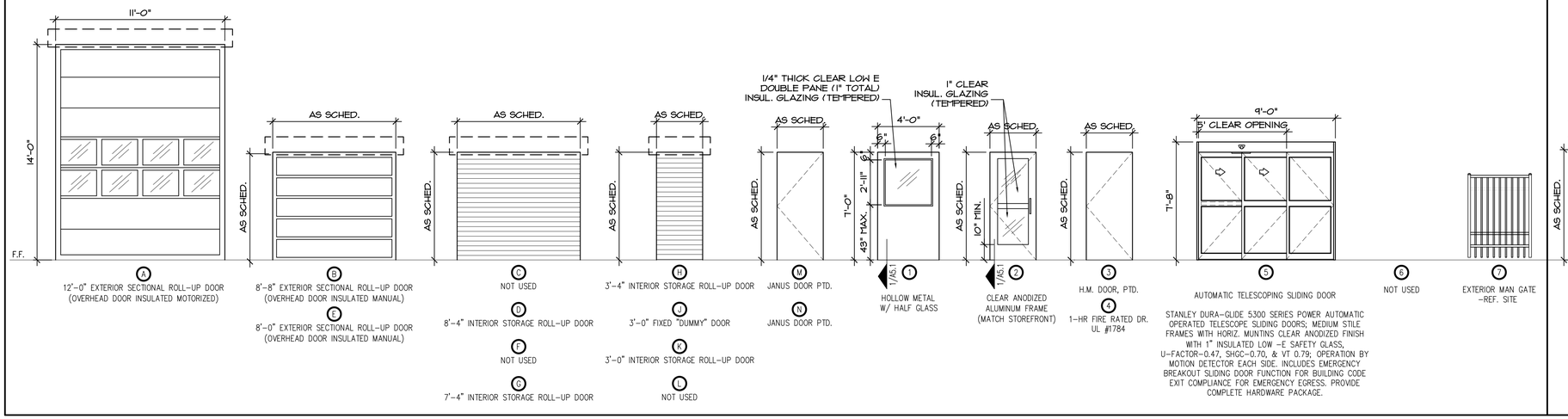
ROOF PLAN

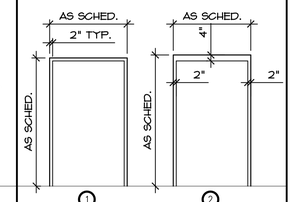
Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03
2023/02/10

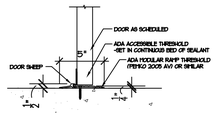
A5.1

DOOR TYPES

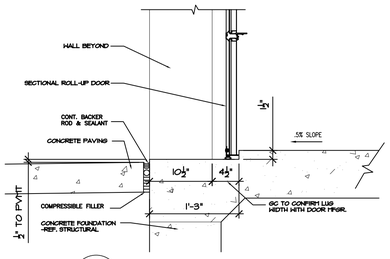


FRAME TYPES

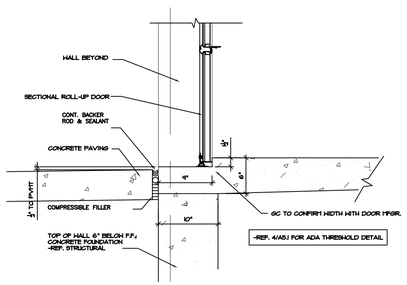




1 THRESHOLD DETAIL
SCALE: 1 1/2" = 1'-0"



2 THRESHOLD DETAIL @ LOAD IN BAYS
SCALE: 1" = 1'-0"



3 THRESHOLD DETAIL @ EXT UNITS
SCALE: 1" = 1'-0"

FINISH SCHEDULE

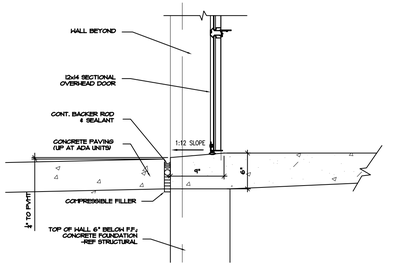
		FLOOR		WALLS				CEILING		KEYED
FIRST FLOOR		MATERIAL	BASE	NORTH	SOUTH	EAST	WEST	HEIGHT	TYPE	NOTES
OFFICE	101 SALES AREA	SC	RUBBER	PT-1	PT-1	-	PT-1	-	ES	-
	102 RECEPTION DESK	SC	RUBBER	PT-1	PT-1	PT-1/PT-2	-	-	ES	-
	103 MDF / BREAK ROOM	SC	RUBBER	PT-1	PT-1	PT-1	PT-1	8'-0"	LAY-IN	
	104 AHU ROOM	SC	-	PT-1	PT-1	PT-1	PT-1	-	ES	
	105 DISPLAY AREA	SC	RUBBER	PT-1	PT-1	PT-1	PT-1	-	ES	2
	106 MENS T.R.	PFT	-	PT-3	PT-3	PT-3	PT-3	8'-0"	LAY-IN	1
	107 WOMENS T.R.	PFT	-	PT-3	PT-3	PT-3	PT-3	8'-0"	LAY-IN	1
	108 DRINKING FOUNTAIN	SC	-	JANUS	JANUS	JANUS	JANUS	-	ES	-
	109 LOADING AREA	SC	-	JANUS	JANUS	JANUS	JANUS	-	ES	-

KEYED NOTES:
1. SMOOTH, HARD, NON-ABSORBANT FINISH REQ'D UP TO 48" (EPOXY PAINT TYP. @ ALL RESTROOMS)
2. DUMMY DOORS PER FLOOR PLANS.

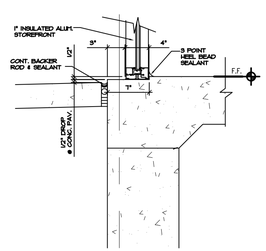
GENERAL NOTES:
A. GENERAL CONTRACTOR TO SUBMIT ALL FINISH SELECTIONS TO OWNER AND ARCHITECT FOR APPROVAL PRIOR TO ORDERING
B. REF. SHEET A7.1 FOR SPECIFICATIONS.
C. GENERAL CONTRACTOR TO PROVIDE ALLOWANCE FOR CERAMIC TILE IN ROOMS 101-105 AS AN ALTERNATE

LEGEND:

ES	EXPOSED STRUCTURE
GRID	2X2 CEILING GRID ONLY
GYP	5/8" TYPE 'X' GYPSUM BOARD
JANUS	JANUS WALL SYSTEM
LAY-IN	2x2 LAY-IN ACOUSTICAL CEILING
PT-1	INTERIOR OFFICE PAINT
PT-2	INTERIOR OFFICE PAINT - ACCENT
PT-3	EPOXY PAINT
RUBBER	RUBBER WALL BASE
WD	PAINTED WOOD BASE
SC	SEALED CONCRETE



4 THRESHOLD DETAIL (ADA)
SCALE: 1" = 1'-0"



5 STOREFRONT DETAIL
SCALE: 1 1/2" = 1'-0"

DOOR NOTES

1: DOOR HARDWARE TO BE APPROVED BY OWNER BASED ON SUBCONTRACTOR SUBMITTAL.

2: CONTRACTOR TO COORDINATE DOOR HARDWARE AND FRAMES WITH SECURITY EQUIPMENT AND MAGNETIC HOLD OPEN DEVICES.

3: PROVIDE MIN. INTERIOR & EXTERIOR ACCESSIBLE HARDWARE, THRESHOLDS, SIGNAGE, ETC. TO COMPLY W/ ADA ACCESSIBILITY STANDARDS. REFERENCE FLOOR PLANS FOR LOCATIONS.

4: NOT USED

5: NOT USED

6: STORAGE ROLL-UP DOORS-PROVIDE ALUM. HANDLES W/ SLIDE BAR LATCH TO FRAME, CONTINUOUS ALUM. BOTTOM PULL BAR, WEATHER SEALS (EXTERIOR) AND REMOVABLE CYLINDER LOCK W/ EMERGENCY OVERRIDE LATCH OPERATOR TO OPERATOR.

7: GLAZING IN ALL EXTERIOR DOORS TO BE INSULATED LOW-E GLAZING W/ 1/4" DOUBLE PANES W/ 1/2" AIR SPACE (1" TOTAL) (TEMPERED).

8. THRESHOLDS 1½" LUGS NOT REQUIRED AT ALCOVE ENTRIES.

9. READILY VISIBLE DURABLE SIGN POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" -REF. SHEET A2.6 FOR INSTALLATION INSTRUCTIONS.

10. FIRE RATED DOORS TO BE SELF CLOSING OR AUTOMATIC CLOSING.

11. READILY VISIBLE DURABLE SIGN POSTED ON EGRESS SIDE ADJACENT TO DOOR STATING: "EXIT" IN TACTILE LETTERS & BRAILLE -REF SHEET A2.6 FOR INSTALLATION INSTRUCTIONS.

12. READILY VISIBLE DURABLE SIGN POSTED ON ENTRY SIDE OF DOOR STATING "ROOM NAME" IN TACTILE LETTERS AND BRAILLE - REF. SHEET A2.6 FOR INSTALLATION INSTRUCTIONS.

13. ROLL UP DOORS TO MEET LOCAL WIND LOAD REQUIREMENTS.

14. CONSTRUCTION CORES TO REMAIN - REKEYING/MASTER KEYING BY OWNER

15. 3'-0" CLEAR MAN GATE - ORNAMENTAL IRON APPLIED METAL SECURITY MESH AT GATE AND ADJACENT FENCE PANEL EXTEND FULL LENGTH OF EITHER SIDE OF LOCKSET. LEVER HARDWARE PER ADA REQUIREMENTS.

16. SLIDING DOOR OPENING TO BE ON SAME SIDE AS MAN DOOR ADJACENT.

17. DOORS TO COMPLY WITH ENERGY CODES SHOWN ON SHEET A7.1.

18. DOORS TO COMPLY WITH LOCAL WIND LOAD CAPACITY.

STORAGE DOOR SCHEDULE

MARK	WIDTH	HEIGHT	DOOR TYPE	FRAME TYPE	REMARKS
A	11'-0"	14'-0"	EXT. SECT.	-	17,28
B	8'-8"	8'-0"	EXT. SECT.	-	17,28
C			NOT USED		
D	8'-4"	7'-0"	INT. ROLL-UP	-	17
E	8'-0"	8'-0"	EXT. SECT.	-	17,28
F			NOT USED		
G	7'-4"	7'-0"	INT. ROLL-UP	-	17
H	3'-4"	7'-0"	INT. ROLL-UP	-	17
J	3'-0"	7'-0"	DUMMY DOOR	-	9,17
K	3'-0"	7'-0"	INT. ROLL-UP	-	17
L			NOT USED		
M	3'-0"	7'-0"	JANUS SWING	-	17
N	3'-0"	7'-0"	JANUS SWING	-	17,29

DOOR SCHEDULE

LOCATION	MARK	WIDTH	HEIGHT	DOOR TYPE	FRAME TYPE	REMARKS
OFFICE ENTRY	1	3'-0"	7'-0"	2	STFT	1,2,3,5,8,9,11,15,16,17,18,23
MDF ROOM	2	3'-0"	7'-0"	3	1	11,15,20
AHU ROOM	3	3'-0"	7'-0"	3	1	7,10,11,20
OFFICE / LOADING	4	3'-0"	7'-0"	1	1	11,15,20
OFFICE / STORAGE	5	3'-0"	7'-0"	3	1	11,15,20
TOILET ROOM	6	3'-0"	7'-0"	3	1	11,14,20,24
TOILET ROOM	7	3'-0"	7'-0"	3	1	11,14,20,24
ALCOVE ENTRY	8	4'-0"	7'-0"	1	1	1,2,3,4,10,11,12,13,16,19,24
LOADING EXIT	9	3'-0"	7'-0"	1	1	1,2,3,8,10,11,12,16,19,24
STAIR B - 1ST FLR	10	3'-0"	7'-0"	4	1	1,2,6,10,11,19,24
STAIR B - EXIT	11	3'-0"	7'-0"	4	1	1,2,3,8,10,11,12,16,19,24
ELEV. ACCESS	12A	3'-0"	7'-0"	3	1	2,3,8,10,11,12,16,20
ELEV. ACCESS	12B	3'-0"	7'-0"	3	1	2,3,8,10,11,12,16,20
ELECTRICAL ROOM	13	3'-0"	7'-0"	3	1	2,3,8,10,11,12,16,20
FIRE RISER ROOM	14	6'-0" PR	7'-0"	3	1	2,3,8,10,11,12,16,20
ALCOVE ENTRY	15	4'-0"	7'-0"	1	1	1,2,3,4,10,11,12,13,16,19,24
STAIR A - 1ST FLR	16	3'-0"	7'-0"	4	2	1,2,6,10,11,19,24
STAIR A - EXIT	17	3'-0"	7'-0"	3	2	1,2,3,8,10,11,12,16,19,24
STAIR A	18	3'-0"	7'-0"	3	2	1,2,3,8,10,11,12,16,19,24
SLIDING DOOR	19	9'-0"	7'-8"	5R	-	3,13,19,21,22,27
STAIR B - 2ND FLR	20	3'-0"	7'-0"	4	2	1,2,6,10,11,19,24
STAIR A - 3RD FLR	21	3'-0"	7'-0"	4	2	1,2,6,10,11,19,24
STAIR B - 3RD FLR	22	3'-0"	7'-0"	4	2	1,2,6,10,11,19,24
MAN GATE	23	3'-0"	6'-0"	7	-	1,2,24,25

REMARKS::
1: PANIC HARDWARE
2: DOOR CLOSER
3: WEATHER STRIPPING / THRESHOLD -REF. DETAIL 1/A5.1
4: MAGNETIC HOLD OPEN DOORS W/ 15 MINUTE TIMER
5: DEADBOLT
6: FIRE RATED - 1-HR (REF. NOTE 10)
7: VENTED AT AHU LOCATIONS
8: DRIP FLASHING
9: FIXED "DUMMY DOORS
10: STORAGE LOCKSET
11: DOOR STOP
12: INSULATED
13: KEY PAD
14: TR LOCKSET
15: OFFICE LOCKSET
16: DOOR SWEEP
17: COLOR: REF. SHEET A7.1
18: DOOR SIGNAGE @ ENTRY (REF. NOTE 9)
19: DOOR SIGNAGE @ EXITS (REF. NOTE 11)
20: DOOR SIGNAGE @ IDENTIFYING ROOMS (REF. NOTE 12)
21: STANLEY ACCESS CONTROL (PANIC BAR & ELECTRIC LOCK)
22: STANLEY TIMER
23: MAIL-SLOT
24: KICKPLATE ON PUSH SIDE
25: MAN GATE KEYSET
26: NOT USED
27: RIGHT HAND OPENING
28: INSULATED SECTIONAL ROLL-UP DOOR
29: CLASP ON LATCH PUSH SIDE
30: LEFT HAND OPENING

STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE

4101 NE PORT DRIVE
LEE'S SUMMIT, MO

STATE OF MISSOURI
STANLEY C. HERNLY
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REGISTERED ARCHITECT

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SCHEDULES

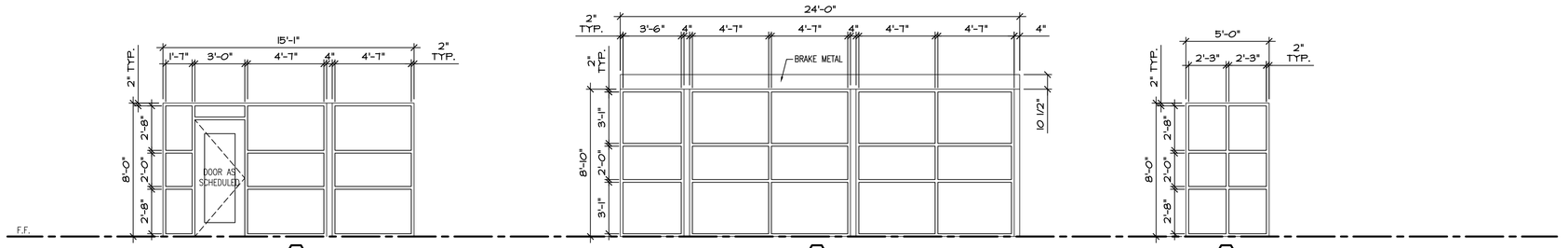
Date: 2022/II/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03

A6.1

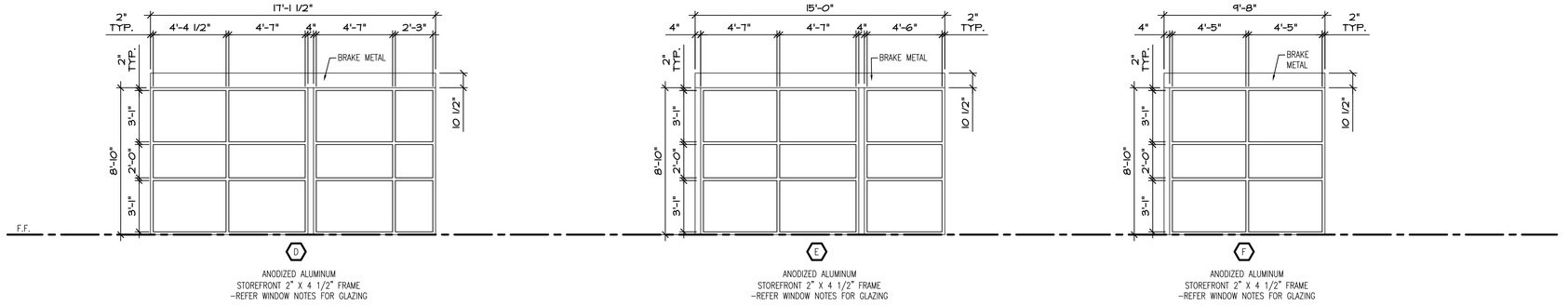
WINDOW NOTES

1. VERIFY ALL ROUGH OPENING DIMENSIONS IN RELATION TO STRUCTURAL DRAWINGS. FRAME SIZES TO BE ADJUSTED AS NECESSARY FOR PROPER SHIM, FLASHING, AND THERMAL EXPANSION.
2. SAFETY (TEMPERED) GLAZING IS REQUIRED IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24-INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE (IBC 2406.3.6).
3. STOREFRONT INSULATED LOW-E GLAZING TO BE 1/4" DOUBLE PANES WITH 1/2" AIR SPACE(1" TOTAL)(TEMPERED).
4. EXTERIOR INSULATED LOW-E GLAZING TO BE 1/4" DOUBLE PANES WITH 1/2" AIR SPACE (1" TOTAL) (TEMPERED).
5. FLASH AND WEATHERSTRIP ALL EXTERIOR WINDOWS TO PROVIDE WATER RESISTANT ASSEMBLY.
6. WINDOW DIMENSION @ FIRST FINISHED FLOOR IS FROM LUG TO SILL.
7. WINDOW AND DOOR DIMENSIONS ARE ROUGH OPENINGS. DOORS, FRAMES, WINDOWS, ETC. ARE TO BE SIZED TO ALLOW SHIMS AND TOLERANCES TO MEET INDUSTRY STANDARDS AND THERMAL EXPOSION (DEFINE IN SHOP DRAWINGS).
8. STOREFRONTS TO BE ANODIZED ALUMINUM.

WINDOW SCHEDULE / TYPES



ANODIZED ALUMINUM STOREFRONT 2" X 4 1/2" FRAME –REFER WINDOW NOTES FOR GLAZING



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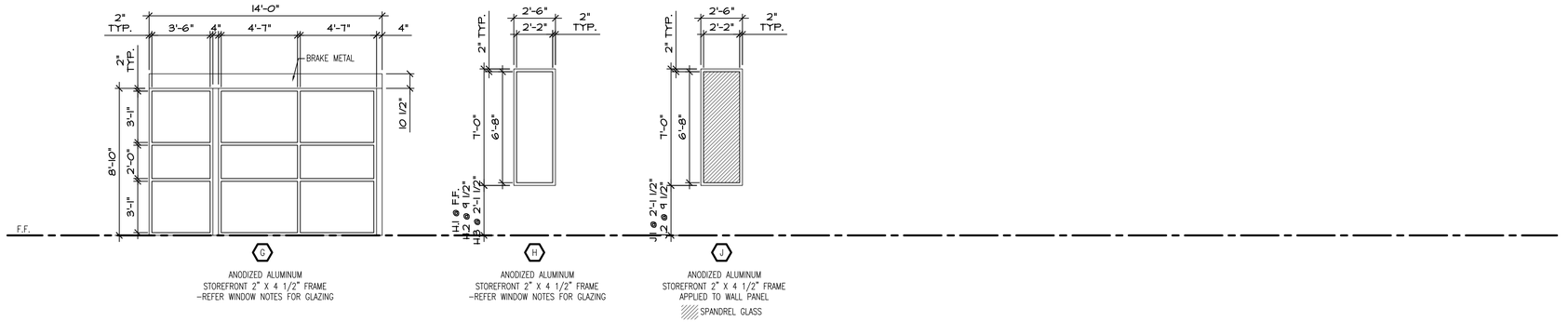

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ANODIZED ALUMINUM STOREFRONT 2" X 4 1/2" FRAME –REFER WINDOW NOTES FOR GLAZING

ANODIZED ALUMINUM STOREFRONT 2" X 4 1/2" FRAME APPLIED TO WALL PANEL
SPANDREL GLASS

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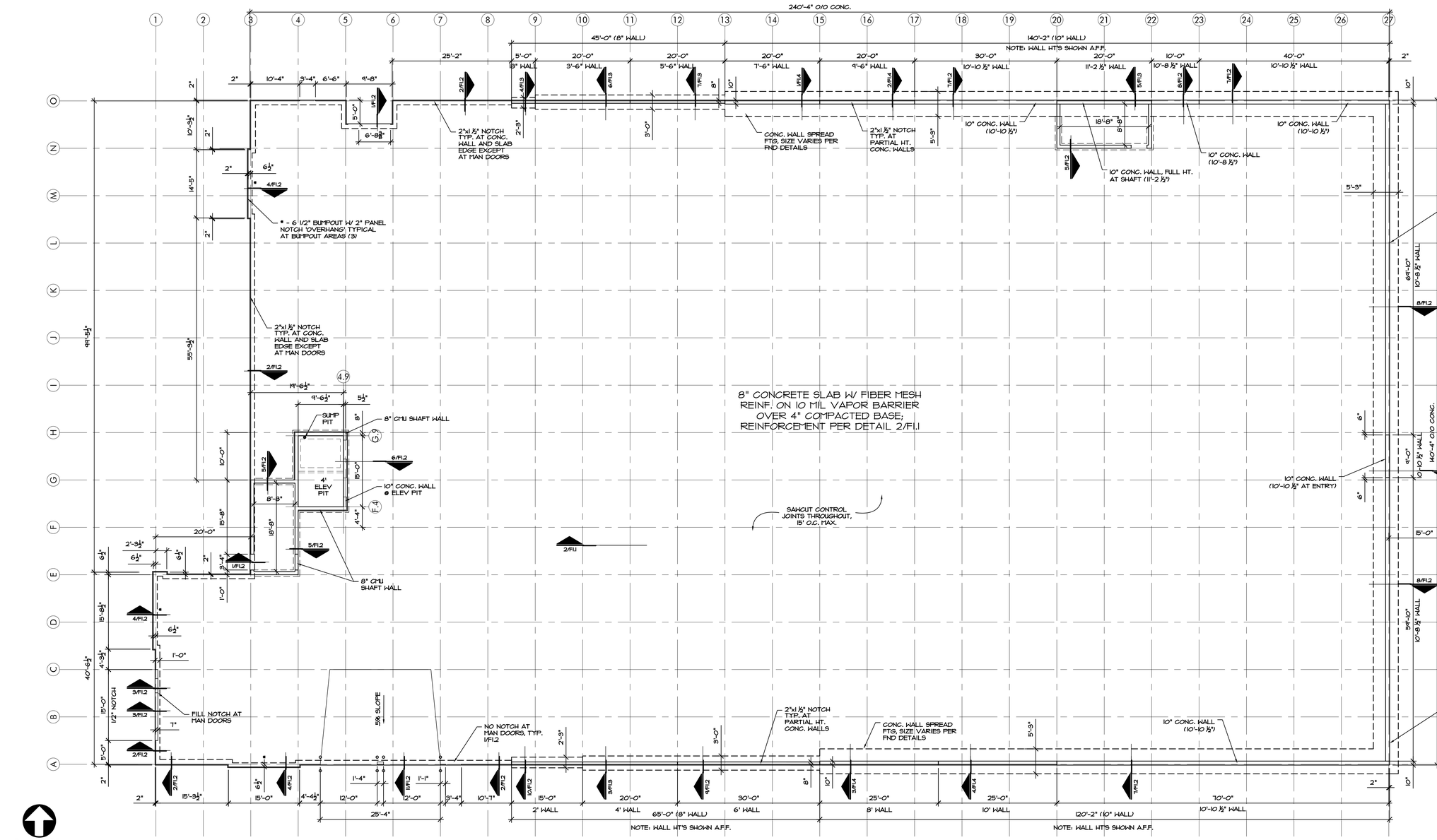
Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03

A6.2

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
03/01/2023

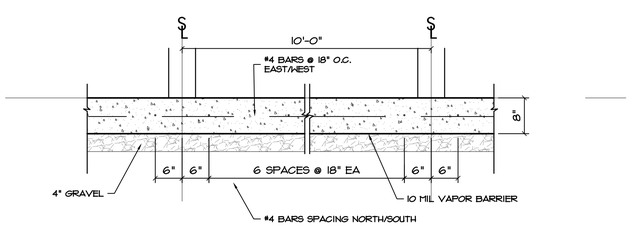
STRICKLAND CONSTRUCTION COMPANY

LAKEWOOD STORAGE
4101 NE PORT DRIVE
LEE'S SUMMIT, MO



8" CONCRETE SLAB W/ FIBER MESH REINF. ON 10 MIL VAPOR BARRIER OVER 4" COMPACTED BASE; REINFORCEMENT PER DETAIL 2/F1.1

1 FOUNDATION PLAN
3/32" = 1'-0"



2 SLAB REINFORECEMENT DETAIL
3/32" = 1'-0"

FOUNDATION NOTES

CONCRETE NOTES:
1. Foundation Wall Backfill: Perform at least two filed density tests at locations and elevations as directed. Backfill all poured walls with ¾" rock in 8" lifts. Compact with plate compactor.
2. Specifications:
   A. Compressive Strength: 4000 psi slab on grade, 3500 psi walls, 3000 psi footings, 4000 psi suspended slabs, minimum at 28 days, unless otherwise indicated.
   B. Water-Cement Ratio: 0.45 maximum unless otherwise indicated.
   C. Slump Range: 8" for concrete containing high-range water-reduced admixture (super plasticized); 4" for footings & 5" for slabs and walls.
   D. Air Content: 5% to 8%
   E. Soil Bearing Strength: Minimum allowable per Soils Report, or 1500 psf in lieu of Soils Report.
3. Preparation:
   A. Remove loose material from compacted subbase surface immediately before placing concrete.
   B. Proofroll prepared subbase surface to check for unstable areas and need for additional compaction. If subgrade is "pumping" under a wheel load - STOP and consult engineer.
4. Check completed form work for grade and alignment to following tolerances:
   A. Top of forms not more than 1/8" in 10'.
   B. Vertical face on longitudinal axis, not more than ½" in 10'.
5. Concrete Placement: Do not place concrete until subbase and forms have been checked for line and grade. Moisten subbase if required to provide a uniform dampened condition at time concrete is placed. Do not place concrete around floor drains or other structures until they are at required finish elevation and alignment.
6. Use bonding agent at locations where fresh concrete is placed against hardened or partially hardened concrete surfaces.
7. Deposit and spread concrete in a continuous operation between transverse joints, as far as possible. If interrupted for more than 1/2 hour, place a construction joint.
8. Construction Joints: Place construction joints at end of placements and at location where placement operations are stopped for a period of more than 1/2 hour, except where such placements terminate at expansion joints.
9. Provide premolded joint filler for expansion joints @ 100' minimum.
10. After flooring, test surface for trueness with a 10' straightedge. Distribute concrete as required
11. Use membrane-forming curing methods or curing compound or approved moisture-curing methods.
12. Slump Limits: Proportion and design mixes to result in concrete slump at point of placement as follows:
   A. Ramps, slabs, and sloping surfaces - Not more than 5"
   B. Reinforced foundation systems - Not less than 1" and not more than 4".
   C. Concrete containing HRWR admixture (super plasticized) - Not more than 8" after addition of HRWR to site-verified 2" to 3" slump concrete.
   D. Other concrete - Not more than 4" (except for masonry fill as noted above).
13. When air temperature is between 85 degrees F and 90 degrees F, reduce mixing and delivery time from 1-1/2 hours to 75 minutes, and when air temperature is above 90 degrees F, reduce mixing and delivery time to 60 minutes.
14. Cover compacted subgrade with granular material and compact to a depth as shown on drawings.
15. If joint pattern is not shown, provide joints not exceeding 15' in either direction and located to conform to bay spacing wherever possible (at column centerlines, half-bays, third-bays). Saw cut 1/8" x 1/4 of slab surface within 12 hours of application of curing compound.
16. Grout care should be given to pulling wire or fiber mesh up ½ way into poured concrete.
17. Hot Weather Placing: When hot weather conditions exist that would seriously impair quality and strength of concrete:
   A. Cool ingredients before mixing to maintain concrete temperature at time of placement below 90 degrees F. Mixing water may be chilled, or chopped ice may be used to control temperature provided water equivalent of ice calculated to total amount of mixing water.
   B. Fog spray forms, reinforcing steel, and subgrade just before concrete is placed.
18. Cold Weather Placing:
   A. Cold weather concrete procedures are to be followed when the average daily outside temperature (average over 24 hour period) is below 40 degree for three consecutive days, and the temperature is not greater than 50 degrees for more than half of a 24 hour period.
   B. Concrete shall not be placed on frozen subgrade. Remove all snow and ice from all concrete forms and the subbase before placing the concrete.
   C. Check the temperature of, and heat if necessary, the subbase and any other surfaces that come in contact with the concrete to ensure they are not below 32 degrees F.
   D. Concrete ready mix temperature at time of placement to be 55 degrees F minimum for slab on grade and 50 degrees F minimum for footings.
   E. Slump shall be 4 inches or less.
   F. Cover the newly placed concrete with blankets to retain the heat generated by the hydration process to protect the concrete from freezing for 3 days.
   G. During periods not cold enough to meet the "cold weather" definition in Note A, but when freezing temperatures may occur, concrete shall be protected from freezing for the first 24 hour period after placement.
19. Providing curbing and sealing compound to exposed interior slabs and to exterior slabs, walks, and curbs as follows:
   A. Apply specified curing and sealing compound to concrete slabs as soon as final finishing operations are complete (within 2 hours and after water sheen has disappeared). Apply uniformly in continuous operation by power spray or roller in accordance with manufacturer's directions. Re-coat areas subjected to heavy rainfall within 3 hours after initial application. Maintain continuity of coating and repair damage during curing period.
a. Use membrane curing compounds that will not affect surfaces to be covered with finish materials applied directly to concrete.
20. The General Contractor shall be responsible for reviewing the Geotechnical Report and shall follow the recommendations specified therein, including, but no limited to, subgrade preparations, ground water management and steep slope best management practices.
21. Provide special inspections in accordance with Chapter 17 of the 2018 IBC
22. Design Criteria 2018 IBC
23. Design values for allowable soil pressure are 2,000 psf at continuous footings and 2,500 psf at spread footings.

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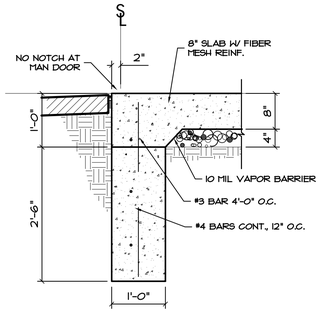
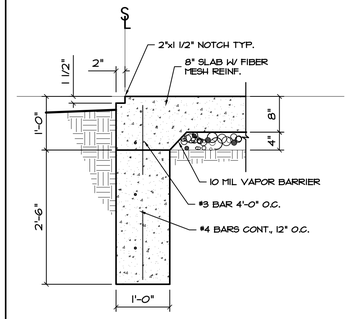
FOUNDATION PLAN CONC NOTES

Date: 2022/11/08
Drawn by: SJB
Checked by: SCH
Revisions: 2023/01/03

F1.1



1 FOUNDATION DTL
3/4" = 1'-0"



2 FOUNDATION DTL
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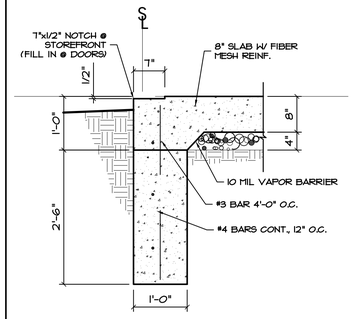

3 FOUNDATION DTL
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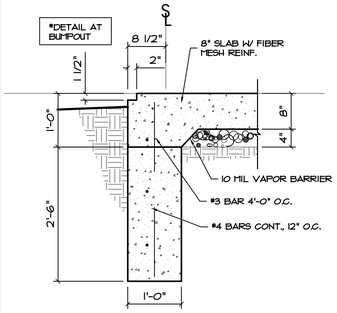

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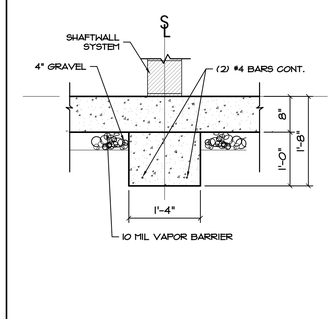
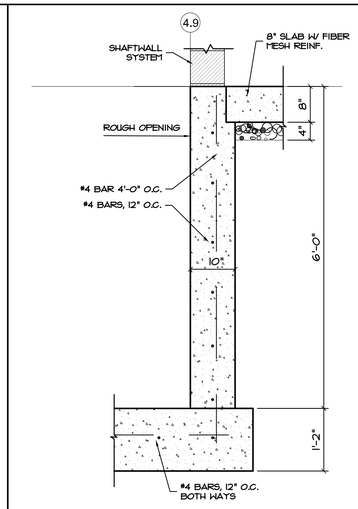
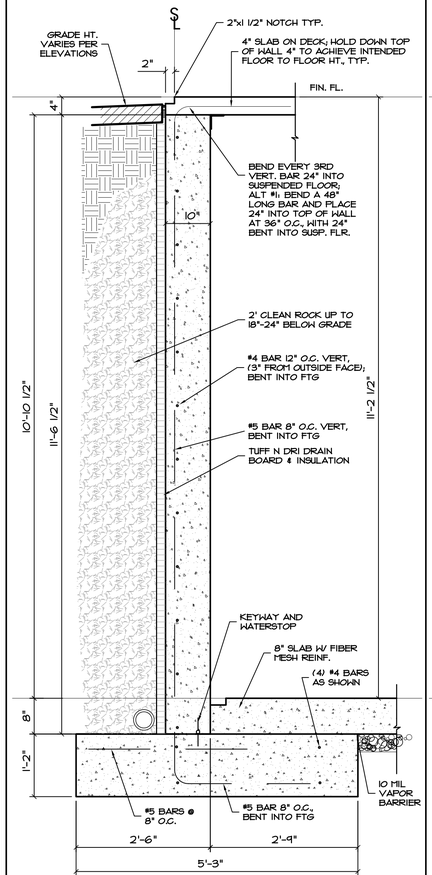


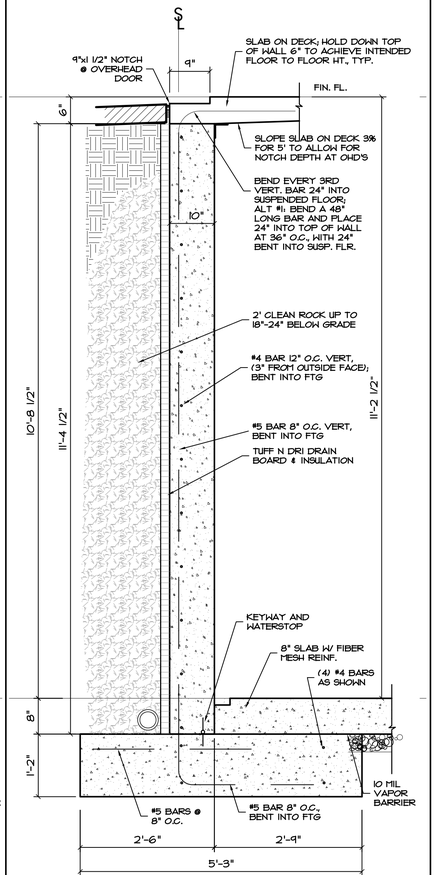
5 FOUNDATION DTL
3/4" = 1'-0"



6 FOUNDATION DTL
3/4" = 1'-0"



7 FOUNDATION DTL
3/4" = 1'-0"



8 FOUNDATION DTL
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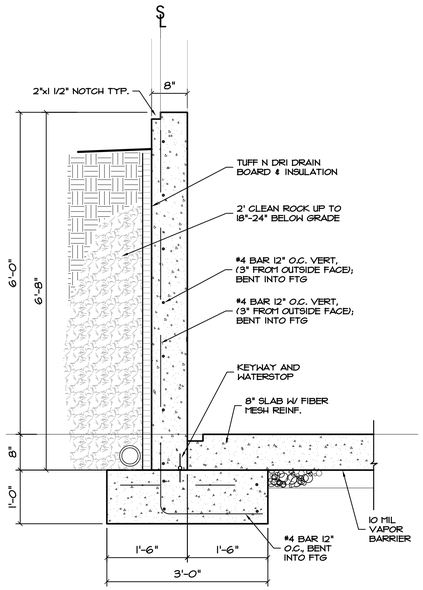
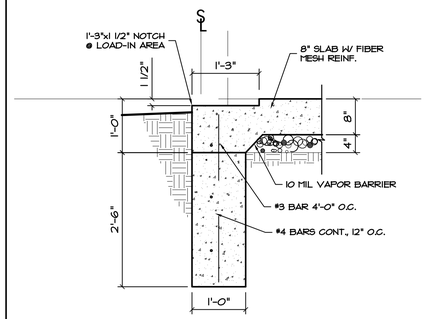
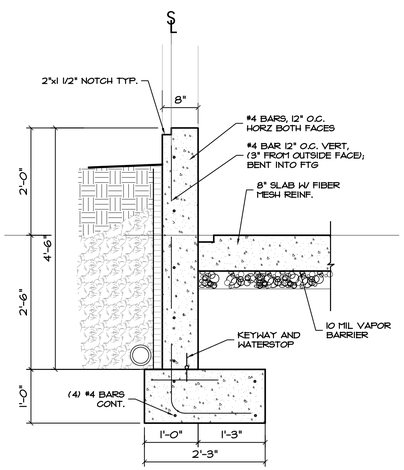


9 FOUNDATION DTL
3/4" = 1'-0"



11 FOUNDATION DTL
3/4" = 1'-0"



10 FOUNDATION DTL
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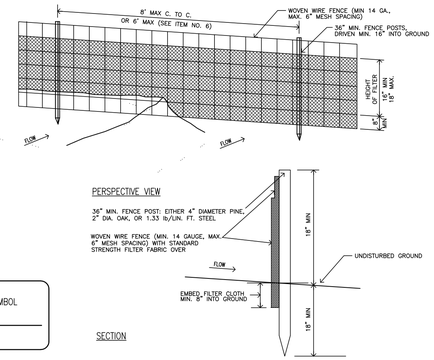

STANDARD SYMBOL

SILT FENCE DETAIL
N.T.S.

A.
1. Use a synthetic filter fabric or a pervious sheet of polypropylene, nylon, polyester, or polyethylene yard, which is certified by the manufacturer or supplier as conforming to the requirements shown

SEDIMENT FENCE FABRIC SPECIFICATIONS

PHYSICAL PROPERTY	MINIMUM REQUIREMENTS
Filtering Efficiency	85%
Tensile Strength @ 20% (max) elongation	Standard Strength – 30 lb/lin. in. Extra Strength – 50 lb/lin. in.
Slurry Flow Rate	0.3 gal/sq. ft./min

Synthetic filter fabric should contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable construction time at a temperature range of 0 to 120° F

B. CONSTRUCTION
1. Construct the sediment barrier of standard strength or extra strength synthetic filter fabrics.
2. Ensure that the height of the sediment fence does not exceed 18 inches above the ground surface. (Higher fences may impound volumes of water sufficient to cause failure to the structure.)
3. Construct the filter fabric from a continuous roll cut to the length of the barrier to avoid joints. When joints are necessary, securely fasten the filter cloth only at a support post with overlap to the next post.
4. Support standard strength filter fabric by wire mesh fastened securely to the upslope side of the posts using heavy duty wire staples at least 1 inch long, or tie wires. Extend the wire mesh support to the bottom of the trench.
5. When a wire mesh support fence is used, space posts a maximum of 8 ft apart. Support posts should be driven securely into the ground to a minimum of 18 inches.
6. Extra strength filter fabric with 6-ft post spacing does not require wire mesh support fence. Staple or wire the filter fabric directly to the posts.
7. Excavate a trench approximately 4 inches wide and 8 inches deep along the proposed line of posts and upslope from the barrier.
8. Backfill the trench with compacted soil or gravel placed over the filter fabric.
9. Do not attach filter fabric to existing trees.

MAX. DRAINAGE AREA: 1/4 ACRE / 100 FT. FENCE

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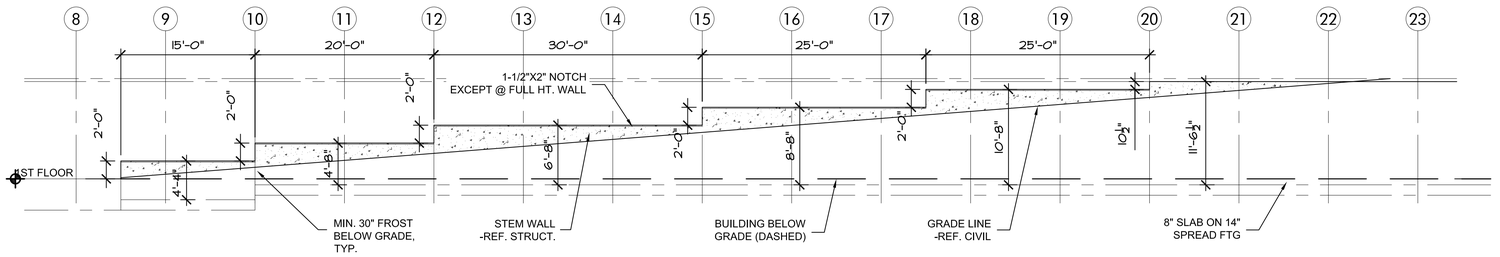
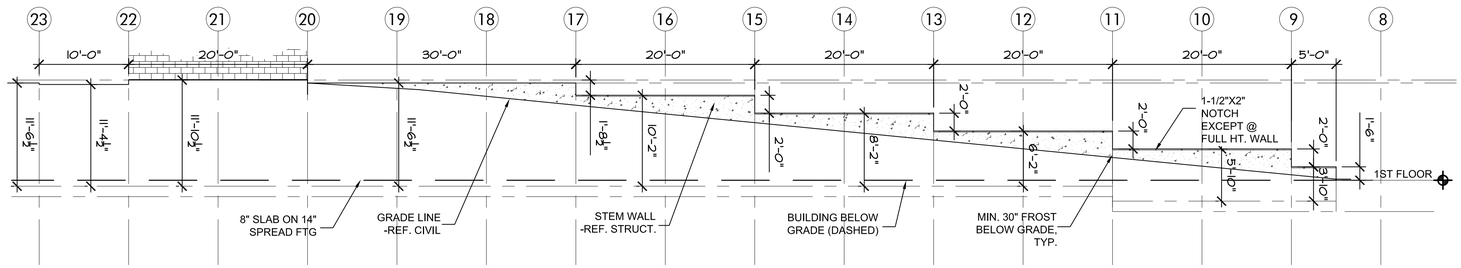
FOUNDATION DETAILS

Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03

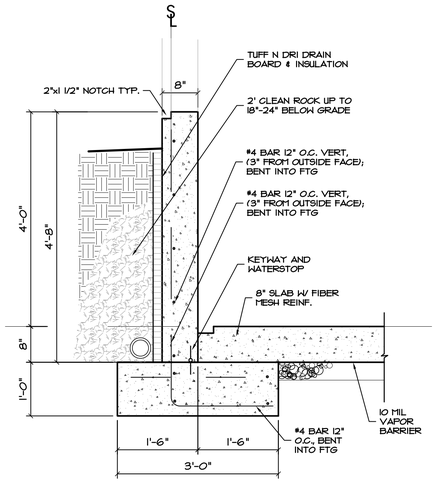
F1.2



1 SOUTH STEM WALL
1/8" = 1'-0"



2 NORTH STEM WALL
1/8" = 1'-0"



3 FOUNDATION DTL
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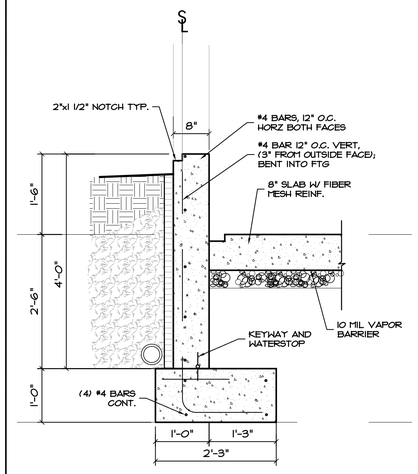

4 FOUNDATION DTL
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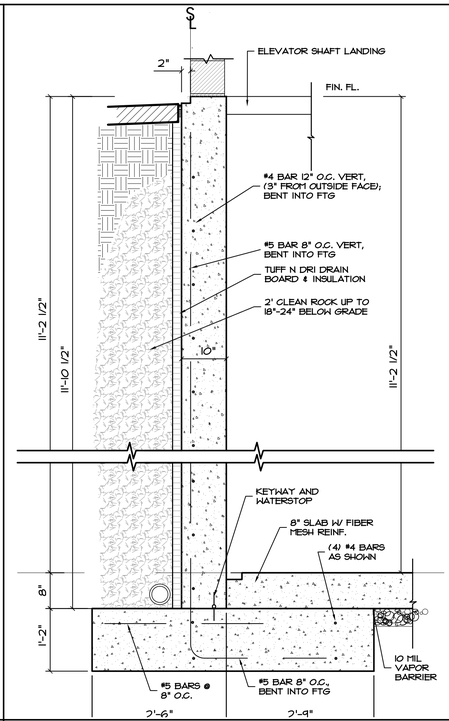
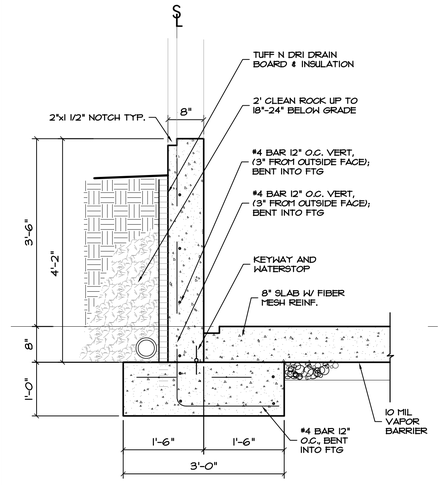
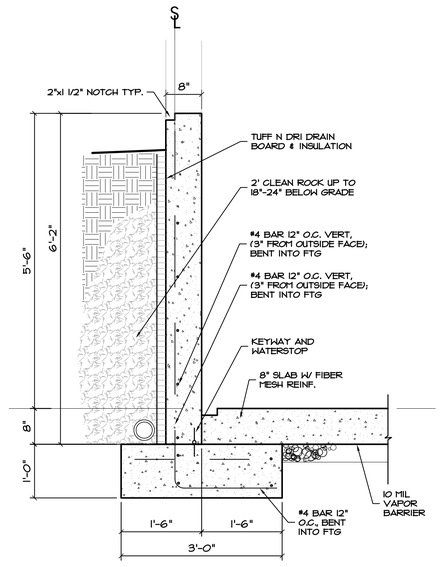


5 FOUNDATION DTL
3/4" = 1'-0"



6 FOUNDATION DTL
3/4" = 1'-0"



7 FOUNDATION DTL
3/4" = 1'-0"

LAKEWOOD STORAGE
4101 NE PORT DRIVE
LEE'S SUMMIT, MO

STRICKLAND CONSTRUCTION COMPANY

STATE OF MISSOURI
JOHN E. RICHARDSON
NUMBER E-17880
REGISTERED PROFESSIONAL ENGINEER

Hernly ASSOCIATES
1100 Rhode Island
Lawrence, Kansas
66044
785 - 749 - 5806
FAX 785 - 749 - 1515

FOUNDATION DETAILS

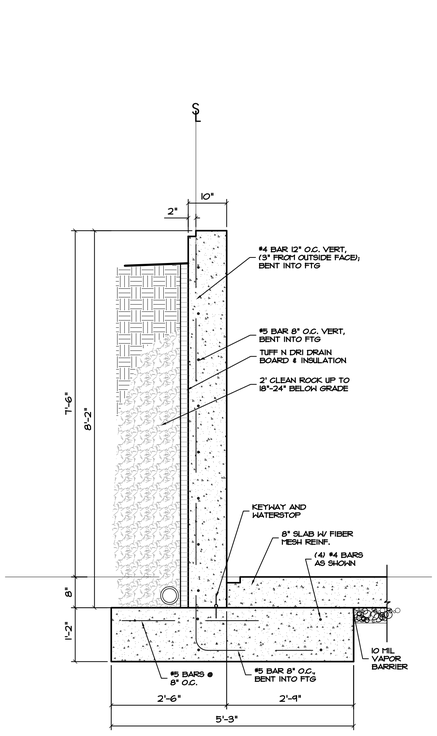
Date: 2022/11/08
Drawn by : SJB
Checked by : SCH
Revisions : 2023/01/03

F1.3

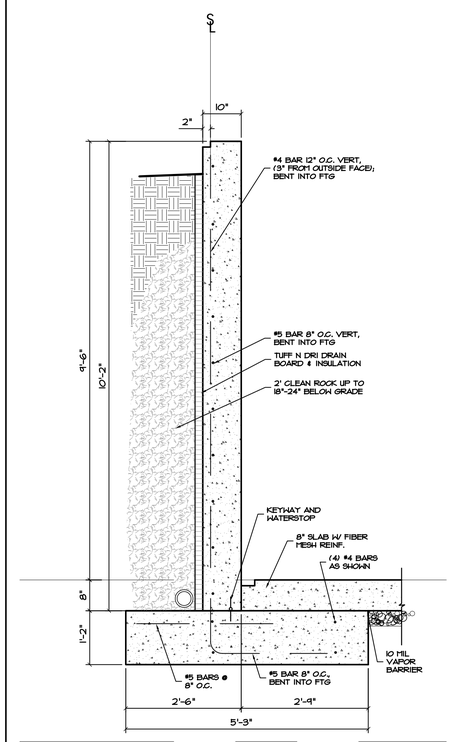
STRICKLAND
CONSTRUCTION COMPANY

LAKEWOOD STORAGE

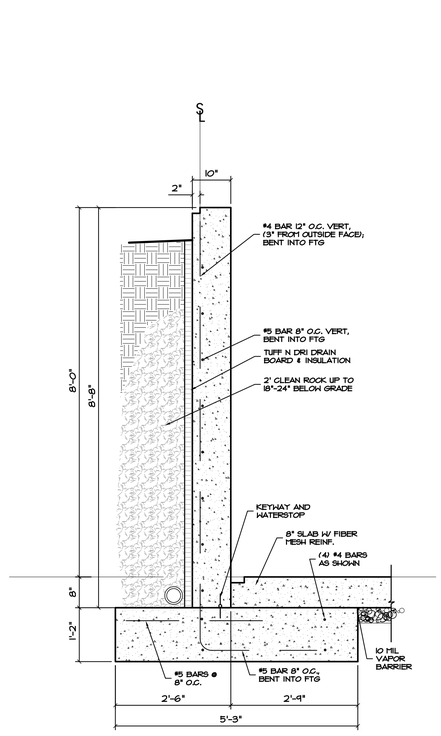
4101 NE PORT DRIVE
LEE'S SUMMIT, MO



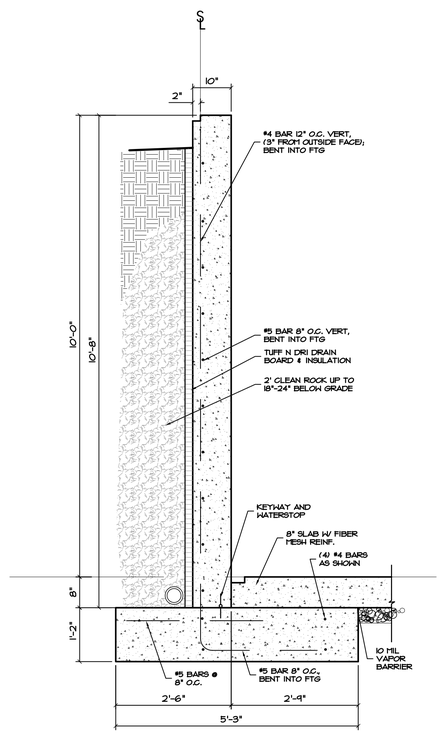
1 FOUNDATION DTL
3/4" = 1'-0"



2 FOUNDATION DTL
3/4" = 1'-0"



3 FOUNDATION DTL
3/4" = 1'-0"



4 FOUNDATION DTL
3/4" = 1'-0"

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F1.4